RADIO TEST REPORT ETSI EN 300 440 V2.2.1 (2018-07)

Product : Mobile Phone Trade Mark : Blackview Model Name : A85 Family Model : N/A Report No. : STR22102801005E

Prepared for

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Prepared by

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TEST RESULT CERTIFICATION

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Applicant's name:: DOKE COMMUNICATION (HK) LIMITED
Address
Manufacturer's Name: : Shenzhen DOKE Electronic Co.,Ltd
Address
Product description
Product name: Mobile Phone
Trademark: Blackview
Model and/or type reference : A85
Family Model: N/A
Standards : ETSI EN 300 440 V2.2.1 (2018-07)
This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the of article 3.2 of the Directive 2014/53/EU requirements. And it is applicable only to the tested sample identified in the report. This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personnel only, and shall be noted in the revision of

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Test Sample Number	T221028001R003
Date of Test	
Date (s) of performance of tests:	Oct 28, 2022 ~ Nov 17, 2022
Date of Issue	Nov 17, 2022
Test Result:	Pass

Testing Engineer

Muhzi Lee

(Mukzi Lee)

Authorized Signatory :

(Alex Li)

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Revision History				
Report No.	Version	Description	Issued Date	
STR22102801005E	Rev.01	Initial issue of report	Nov 17, 2022	
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1. SUMMARY OF TEST RESULTS

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Test procedures according to the technical standards: ETSI EN 300 440 V2.2.1 (2018-07)

Clause	Description of Test Item	Remarks	Results		
	Transmitter Parameters				
4.2.2	-6 dB channel bandwidth	Conducted	Pass		
4.2.2	Effective isotropic radiated power	Conducted	Pass		
4.2.3	Permitted range of operation frequencies	Conducted	Pass		
4.2.4	Unwanted emissions in the spurious domain	Radiated	Pass		
4.2.5	Duty cycle	Conducted	Pass		
4.2.6	Additional requirements for FHSS equipment	Conducted	N/A		
	Receiver Parameters				
4.3.3	Adjacent channel selectivity(For Receiver	Conducted	N/A		
4.3.4	4.3.4 Blocking or desensitization(For Receiver category 1,2,3)		Pass		
4.3.5	Spurious emissions(For Receiver category 1,2,3)	Radiated	Pass		

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Note: The antenna gain provided by customer is used to calculate the EIRP result. NTEK is not responsible for the accuracy of antenna gain parameter

1.1 TEST FACILITY

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1.2 MEASUREMENT UNCERTAINTY

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The reported uncertainty of measurement $y\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of ~k=2, providing a level of confidence of approximately 95 % $^\circ$

No.	Item	Uncertainty	
1	Radio frequency	±1 x 10-7	
2	RF power (conducted)	±2,5 dB	
3	Radiated emission of transmitter, valid to 26,5 GHz	±6 dB	
4	Radiated emission of transmitter, valid between 26,5 GHz and 66 GHz	±8 dB	
5	Radiated emission of receiver, valid to 26,5 GHz	±6 dB	
6 Radiated emission of receiver, valid between 26,5 ±8 dB GHz and 66 GHz			
7	Temperature	±1 ℃	
8	Humidity	±5 %	
9	Voltage (DC)	±1 %	
10	Voltage (AC, < 10 kHz)	±2 %	
NOTE: For radiated emissions above 26,5 GHz it may not be possible to			

achieve measurement uncertainties complying with the levels specified in this table. In these cases alone it is acceptable to employ the alternative interpretation procedure specified in EN 300440 V2.2.1 clause 5.9.1.

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2. GENERAL INFORMATION 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone		
Trade Mark	Blackview		
Model Name	A85		
Family Model	N/A		
Model Difference	N/A		
	Operation Frequency:	5745-5825 MHz for 802.11a/n20/ac20; 5755-5795 MHz for 802.11n40/ac40; 5775MHz for 802.11 ac80;	
	Data Rate:	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS7; 802.11ac(VHT20/ VHT40/VHT80): NSS1, MCS0-MCS9, NSS2	
Product Description	Modulation	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM	
Product Description	Channel No.:	5 channels for 802.11a/n20/ac20 in the 5745-5825MHz band ; 2 channels for 802.11 n40/ac40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band ;	
	Antenna Designation:	PIFA Antenna	
	Antenna Gain(Peak)	0.57 dBi	
Receiver category	 Category 1: Highly reliable SRD communication media; e.g. serving human life inherent systems (may result in a physical risk to a person). Category 2: Medium reliable SRD communication media e.g. causing inconvenience to persons, which cannot simply be overcome by other means. Category 3: Standard reliable SRD communication media e.g. Inconvenience to persons, which can simply be overcome by other means (e.g. manual). 		
Channel List	Refer to below		
Adapter	Model: QZ-01800EA00 Input: 100-240V~50/60Hz 0.5A Output: 5.0V3.0A or 7.0V2.0A or 9.0V2.0A or 12.0V1.5A (18.0W)		
Battery	DC 3.85V, 448	0mAh, 17.248Wh	
Rating	DC 3.85V from battery or DC 5V from adapter		
Hardware Version	S681_V1		
Software Version	A85_EEA_S60	063_V1.1	

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Note:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2. Channel list:

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Frequency and Channel list for 802.11a/n/ac(20 MHz) band IV (5745-5825MHz):

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802.11a/n/ac(20 MHz) Carrier Frequency Channel							
Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

Frequency and Channel list for 802.11n/ac(40MHz) band IV (5755-5795MHz):

802.11n/ac 40MHz Carrier Frequency Channel					
Channel Frequency (MHz) Channel Frequency (MHz) Frequency (MHz)					
151	5755	159	5795	-	-

Frequency and Channel list for 802.11ac(80MHz) band IV (5775MHz):

802.11ac 80MHz Carrier Frequency Channel		
Channel Frequency (MHz)		
155	5775	

2.2 TEST CONDITIONS

	Normal Test Conditions	Extreme Test Conditions	
Temperature	15°C - 35°C	-10°C ~ 40°C _{Note1}	
Relative Humidity	20% - 75%	N/A	
Power Rating	DC 3.85V	N/A	
Test voltage	DC 3.85V	DC 4.2V-DC 3.4V Note2	

Note:

(1) The temperature range as declared by the manufacturer; or one of the following specified temperature ranges:

- Temperature category I (General): -20 °C to +40 °C;

- Temperature category II (Portable): -10 °C to +40 °C;

- Temperature category III (Equipment for normal indoor use): 5 °C to +35 °C.

(2) The High Voltage 4.2V and Low Voltage 3.4V was declarated by manufacturer.

2.3 DESCRIPTION OF TEST CONDITIONS

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For Conducted Test				
Pretest Mode Description				
Mode 1	802.11a /n/ ac 20 CH149/ CH157/ CH 165			
Mode 2	802.11n/ ac40 CH 151 / CH 159			
Mode 3	802.11 ac80 CH 155			

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For Radiated Test				
Final Test Mode Description				
Mode 1 802.11a /n/ ac 20 CH149/ CH157/ CH 165				
Mode 2	802.11n/ ac40 CH 151 / CH 159			
Mode 3	802.11 ac80 CH 155			



2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

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Item	Equipment	Model/Type No.	Series No.	Note
E-1	Mobile Phone	A85	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in ^rLength _l column.
- (3) "YES" means "shielded" or "with ferrite core";"NO" means "unshielded" or "without ferrite core"

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2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

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EQUIPMENT TYPE	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
EMI Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
Turn Table	EM	SC100_1	60531	N/A	N/A	N/A
Antnna Mast	EM	SC100	N/A	N/A	N/A	N/A
Horn Antenna	EM	EM-AH-10180	2011071402	2022.03.31	2023.03.30	1 year
Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2022.04.01	2023.03.31	1 year
Test Cable (30MHz-1GHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
Test Cable (1-18GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
Pre-Amplifier	EMC	EMC051835SE	980246	2022.06.17	2023.06.16	1 year
Spectrum Analyzer	Agilent	E4407B	MY45108040	2022.04.01	2023.03.31	1 year
Filter	TRILTHIC	2400MHz	29	2020.04.07	2023.04.06	3 year
Attenuator	Weinschel	33-10-33	AR4010	2020.04.07	2023.04.06	3 year
Attenuator	Weinschel	24-20-34	BP4485	2020.04.07	2023.04.06	3 year
MXA Signal Analyzer	Agilent	N9020A	MY49100060	2022.06.17	2023.06.16	1 year
ESG VETCTOR SIGNAL GENERAROR	Agilent	E4438C	MY45093347	2022.04.01	2023.03.31	1 year
Power Splitter	Mini-Circuits/ USA	ZN2PD-63-S+	SF025101428	2020.04.07	2023.04.06	3 year
Coupler	Mini-Circuits	ZADC-10-63-S +	SF794101410	2020.04.07	2023.04.06	3 year
Directional Coupler	MCLI/USA	CB11-20	0D2L51502	2020.07.17	2023.07.16	3 year
Attenuator	Agilent	8495B	MY42147029	2020.04.13	2023.04.12	3 year
Power Meter	DARE	RPR3006W	15I00041SNO 84	2022.06.17	2023.06.16	1 year
MXG Vector Signal Generator	Agilent	N5182A	MY47070317	2022.06.16	2023.06.15	1 year
Wideband Radio Communication Tester Specifications	R&S	CMW500	148500	2022.06.16	2023.06.15	1 year
temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

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3. EQUIVALENT ISOTROPICALLY RADIATED POWER (E.I.R.P.)

3.1 APPLICABILITY

The equivalent isotropically radiated power requirement shall apply to all transmitters.

3.2 LIMITS

Table 2: Maximum radiated peak power (e.i.r.p.)

Frequency Bands	Power	Application	Notes
2 400 MHz to 2 483,5 MHz	10 mW e.i.r.p.	Non-specific short range devices	
2 400 MHz to 2 483,5 MHz	25 mW e.i.r.p.	Radio determination devices	
(a) 2 446 MHz to 2 454 MHz	500 mW e.i.r.p.	Radio Frequency Identification (RFID) devices	See also table 4 and annex D
(b) 2 446 MHz to 2 454 MHz	4 W e.i.r.p.	Radio Frequency Identification (RFID) devices	See also table 4 and annex D
5 725 MHz to 5 875 MHz	25 mW e.i.r.p.	Non-specific short range devices	
9 200 MHz to 9 500 MHz	25 mW e.i.r.p.	Radio determination devices	
9 500 MHz to 9 975 MHz	25 mW e.i.r.p.	Radio determination devices	
10,5 GHz to 10,6 GHz	500 mW e.i.r.p.	Radio determination devices	
13,4 GHz to 14,0 GHz	25 mW e.i.r.p.	Radio determination devices	
17,1 GHz to 17,3 GHz	400 mW e.i.r.p.	Radio determination devices	See annex F
24,00 GHz to 24,25 GHz	100 mW e.i.r.p.	Non-specific short range devices and	
		Radio determination devices	

3.3 GENERAL REQUIREMENTS

1. To measure e.i.r.p. it is first necessary to determine the appropriate method of measurement: see EN 300440 V2.2.1 clauses 4.2.2.3.1 and 4.2.2.3.2. The -6 dB transmitter bandwidth shall be determined using a 100 kHz measuring bandwidth in order to establish which measurement method is applicable:

Со	Condition		
Non spread spectrum transmitters with a -6 dB bandwidth of up to 20 MHz and spread	Non spread spectrum equipment with a -6 dB bandwidth of 20 MHz or less and a duty cycle above 50 %;	Refer to section 3.4.1	
spectrum transmitters with channel bandwidth of up to 1 MHz;	Spread spectrum equipment with a -6 dB channel bandwidth of 1 MHz or less.		
☐ for all other transmitter bandwidths.	□equipment with a -6 dB bandwidth greater than 20 MHz, and equipment with a duty cycle below 50 %;; ⊠spread spectrum equipment with a channel bandwidth above 1 MHz	Refer to section 3.4.2	

2. Measurements shall be performed at normal test conditions.

3.4 TEST PROCEDURES

3.4.1 FOR NON SPREAD SPECTRUM TRANSMITTERS

The measurement shall be repeated at the lowest, the middle, and the highest frequency of the stated frequency range. These frequencies shall be recorded. **Equipment measured as constant envelope modulation equipment**

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For practical reasons, measurements shall be performed only at the highest power level at which the transmitter is intended to operate. The measurement arrangement in figure 2 shall be used. The measurement shall be performed preferably in the absence of modulation.

When it is not possible to measure it in the absence of modulation, this fact shall be stated in test reports.

The transmitter shall be set in continuous transmission mode. If this is not possible, the measurements shall be carried

out in a period shorter than the duration of the transmitted burst. It may be necessary to extend the duration of the burst.

The transmitter shall be connected to an artificial antenna (see clause 5.8.2) and the power delivered to this artificial antenna shall be measured.

The equivalent isotropically radiated power is then calculated from the measured value, the known antenna gain, relative to an isotropic antenna, and if applicable, any losses due to cables and connectors in the measurement system.

Equipment measured as non-constant envelope modulation equipment

The measurement shall be performed with test signals D-M2 or D-M3 as appropriate. The transmitter shall be preferably set in continuous transmission mode. If this is not possible, the measurement can be performed in discontinuous mode.

The transmitter shall be connected to an artificial antenna (see clause 5.8.2) and the power delivered to this artificial antenna shall be measured. The measuring instrument shall have a measurement bandwidth not less than sixteen times the channel bandwidth.

The equivalent isotropically radiated power is then calculated from the measured value, the known antenna gain, relative to an isotropic antenna, and if applicable, any losses due to cables and connectors in the measurement system.

3.4.2 FOR ALL OTHER TRANSMITTER BANDWIDTHS

Step 1:

• using a suitable means, the output of the transmitter shall be coupled to a matched diode detector;

• the output of the diode detector shall be connected to the vertical channel of an oscilloscope;

• the combination of the diode detector and the oscilloscope shall be capable of faithfully

reproducing the envelope peaks and the duty cycle of the transmitter output signal;

• the observed duty cycle of the transmitter (Tx on/(Tx on + Tx off)) shall be noted as x, (0 < x < 1)And recorded.

Step 2:

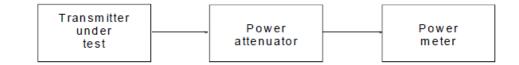
• the average output power of the transmitter shall be determined using a wideband, calibrated RF power meter with a matched thermocouple detector or an equivalent thereof and, where applicable, with an integration period that exceeds the repetition period of the transmitter by a factor 5 or more. The observed value shall be recorded as "A" (in dBm);

• the e.i.r.p. shall be calculated from the above measured power output A, the observed duty cycle x, and the applicable antenna assembly gain "G" in dBi, according to the formula:

 $-P = A + G + 10 \log (1/x);$

- P should be EIRP POWER.

3.5 TEST SETUP LAYOUT



3.6 EUT OPERATION DURING TEST

Where possible, the equipment shall be able to operate in a continuous transmit mode for testing purposes.



3.7 TEST RESULT FOR -6 DB BANDWIDTH

EUT :	Mobile Phone	Model Name :	A85
Temperature :	26°C	Relative Humidity :	60 %
Pressure :	1012 hPa	Test Voltage :	DC 3.85V (NORMAL)
Test Mode :	Mode 1/2/3		

Test data reference attachment



3.8 TEST RESULT FOR E.I.R.P

EUT :	Mobile Phone	Model Name :	A85
Temperature :	26°C	Relative Humidity :	60 %
Pressure :	1012 hPa	Test Voltage :	DC 3.85V (NORMAL)
Test Mode :	Mode 1/2/3		

Test data reference attachment

4. PERMITTED RANGE OF OPERATING FREQUENCIES

4.1 APPLIED PROCEDURES / LIMIT

The Permitted range of operating frequencies shall apply to all transmitters.

Limits: The width of the power spectrum envelope is fH -fL for a given operating frequency. In equipment that allows adjustment or selection of different operating frequencies, the power envelope takes up different positions in the allowed band. The frequency range is determined by the lowest value of fL and the highest value of fH resulting from the adjustment of the equipment to the lowest and highest operating frequencies.

The occupied bandwidth (i.e. the bandwidth in which 99 % of the wanted emission is contained) of the transmitter shall fall within the assigned frequency band.

For all equipment the frequency range shall lie within the frequency band given by section 3.2, table 2. For non-harmonized frequency bands the available frequency range may differ between national administrations.

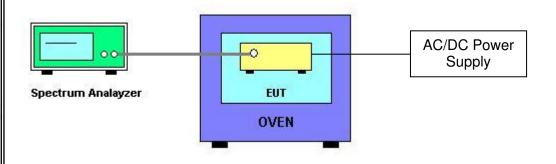
4.2 TEST PROCEDURES

These measurements shall be performed under both normal and extreme operating conditions except for the occupied bandwidth assessment for which measurement at normal operating conditions is sufficient.

The measurement procedure shall be as follows:

- a) put the spectrum analyser in video averaging mode with a minimum of 50 sweeps selected;
- b) select the lowest operating frequency of the equipment under test and activate the transmitter with modulation applied. The RF emission of the equipment shall be displayed on the spectrum analyser;
- c) using the marker of the spectrum analyser, find the lowest frequency below the operating frequency at which the spectral power density drops below the level given in clause 4.2.3. This frequency shall be recorded in the test report;
- d) select the highest operating frequency of the equipment under test and find the highest frequency at which the spectral power density drops below the value given in clause 4.2.3. This frequency shall be recorded in the test report;
- e) the difference between the frequencies measured in steps c) and d) is the operating frequency range. It shall be recorded in the test report.

4.3 TEST SETUP LAYOUT



4.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

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4.5 TEST RESULTS

EUT :	Mobile Phone	Model Name :	A85
Temperature :	26°C	Relative Humidity :	60 %
Pressure :	1012 hPa	Test Voltage :	DC 3.85V (NORMAL)
Test Mode :	ТХ		

802.11a

Extreme condition			Frequency range (MHz)		
			F _L CH149	F _н CH165	
		V max (V)	4.2	5735.547	5835.093
T min (°C)	-10	V nom (V)	3.85	5735.932	5835.205
		V min (V)	3.4	5735.625	5834.686
	40	V max (V)	4.2	5735.982	5835.500
T max (°C)		V nom (V)	3.85	5735.950	5835.190
		V min (V)	3.4	5735.628	5835.340
T normal (°C)	24	V nom (V)	3.85	5736.283	5834.579
Min. f_L / Max. f_H Band Edges			5735.547	5835.500	
Indoor Use Limits			F _L > 5725.0 MHz	$F_L < 5875.0 \text{ MHz}$	
Result			Con	nplies	

802.11n20

Extreme condition				Frequency range (MHz)		
	ztrem	e condition	F _L CH149	F _н CH165		
		V max (V)	4.2	5736.032	5835.297	
T min (°C)	-10	V nom (V)	3.85	5736.440	5834.840	
		V min (V)	3.4	5735.794	5834.754	
	40	V max (V)	4.2	5735.971	5835.397	
T max (°C)		V nom (V)	3.85	5735.710	5834.822	
		V min (V)	3.4	5736.311	5835.071	
T normal (°C)	24	V nom (V)	3.85	5736.137	5835.160	
Min. f _L / Max. f _H Band Edges				5735.710	5835.397	
Indoor Use Limits				F _L > 5725.0 MHz	$F_L < 5875.0 \text{ MHz}$	
Result				Complies		

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802.11n40					
	Tytkom	o condition	Frequency range (MHz)		
	Extreme condition			F _L CH151	F _н CH159
		V max (V)	4.2	5737.383	5813.529
T min (°C)	-10	V nom (V)	3.85	5736.681	5814.234
		V min (V)	3.4	5737.324	5814.122
		V max (V)	4.2	5737.275	5813.637
T max (°C)	40	V nom (V)	3.85	5737.340	5813.505
		V min (V)	3.4	5737.351	5813.704
T normal (°C)	24	V nom (V)	3.85	5737.010	5814.062
Min. f_L / Max. f_H Band Edges				5736.681	5814.234
	Indoor Use Limits				$F_L < 5875.0 \text{ MHz}$
	Result				nplies

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802.11ac20

Extreme condition				Frequency range (MHz)			
	ztrem	econumon	F _L CH149	F _н CH165			
		V max (V)	4.2	5736.216	5835.385		
T min (°C)	-10	V nom (V)	3.85	5736.033	5835.496		
		V min (V) 3.4		5735.551	5834.650		
	40	V max (V)	4.2	5735.973	5834.564		
T max (°C)		V nom (V)	3.85 5736.150		5834.565		
		V min (V)	3.4 5735.570		5834.614		
T normal (°C)	24	V nom (V)	3.85	5735.987	5834.514		
Min. f_L / Max. f_H Band Edges				5735.551	5835.496		
Indoor Use Limits				F _L > 5725.0 MHz	$\mathbf{F}_{L}~<~5875.0~\text{MHz}$		
	Result				Complies		

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802.11ac40					
					range (MHz)
	Extreme condition			F _L CH151	F _н CH159
		V max (V)	4.2	5737.356	5813.869
T min (°C)	-10	V nom (V)	3.85	5737.361	5813.650
		V min (V)	3.4	5737.377	5813.561
		V max (V)	4.2	5736.798	5814.233
T max (°C)	40	V nom (V)	3.85	5737.354	5813.678
		V min (V)	3.4	5736.748	5813.825
T normal (°C)	24	V nom (V)	3.85	5737.445	5813.840
Min. f	Min. f_L / Max. f_H Band Edges			5736.748	5814.233
	Indoor	Use Limits		F _L > 5725.0 MHz	$F_L < 5875.0 \text{ MHz}$
	Result				nplies

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802.11ac80

Extreme condition				Frequency range (MHz)		
	xtrem	econdition	F _L CH155	F _н CH155		
		V max (V)	4.2	5736.547	5814.392	
T min (°C)	-10	V nom (V)	3.85	5736.806	5813.736	
		V min (V)	3.4	5737.083	5813.737	
		V max (V)	4.2	5736.587	5814.143	
T max (°C)	40	V nom (V)	3.85	5737.123	5813.593	
		V min (V)	3.4	5736.659	5814.108	
T normal (°C)	24	V nom (V)	3.85	5736.547	5814.392	
Min. f _L / Max. f _H Band Edges				5736.780	5814.414	
Indoor Use Limits				F_L > 5725.0 MHz	$F_L < 5875.0 \text{ MHz}$	
	Result			Con	nplies	

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5. UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN

5.1 APPLIED PROCEDURES / LIMIT

The unwanted emissions in the spurious domain requirement shall apply to all transmitters.

	47 MHz to 74 MHz		
State	87.5 MHz to 118 MHz	Other frequencies	Frequencies
Sidle	174 MHz to 230 MHz	≤□ 1 000 MHz	> 1 000 MHz
	470 MHz to 862 MHz		
Operating	4 nW /-54dBm	250 nW/-36dBm	1 µW /-30dBm
Standby	2 nW /-57dBm	2 nW /-57dBm	20 nW /-47dBm

5.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	30 MHz
Stop Frequency	40GHz
Detector	Positive Peak
Sweep Time	Auto
RB	For frequency 30MHz~1G:100 kHz~120 kHz For frequency above 1G:1MHz

5.3 TEST PROCEDURES

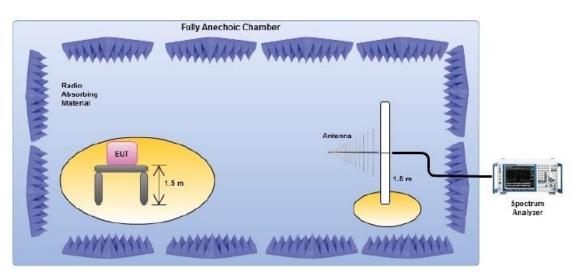
- a. The EUT was placed on the top of the turntable in open test site area.
- b. The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- c. This measurement shall be repeated with the transmitter in standby mode where applicable.
- d. For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. For above 1G, using Horn antenna .
- e. The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- f. Replace the EUT by standard antenna and feed the RF port by signal generator.
- g. Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- h. Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- i. The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- j. If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.
- k. The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

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5.4 TEST SETUP LAYOUT

Radiated Emission Test Set-Up



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5.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

5.6 RESULTS OF STANDBY MODE SPURIOUS EMISSIONS

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

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5.7 TEST RESULTS

EUT :	Mobile Phone	Model Name :	A85
Temperature :	24 ℃	Relative Humidity :	54%
Pressure :	1010 hPa	Test Power :	DC 3.85V (NORMAL)
Test Mode :	TX-802.11n20 mode		

Below 1G :

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(H/V)	(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	Туре
V	41.65	-70.29	15.44	-54.85	-36	-18.85	peak
V	71.12	-71.58	8.84	-62.74	-54	-8.74	peak
V	105.79	-80.63	10.32	-70.31	-54	-16.31	peak
V	181.16	-81.05	12.03	-69.02	-54	-15.02	peak
V	271.30	-61.02	12.46	-48.56	-36	-12.56	peak
V	482.69	-90.77	17.61	-73.16	-54	-19.16	peak
Н	45.69	-63.08	13.32	-49.76	-36	-13.76	peak
Н	64.98	-73.79	6.22	-67.57	-54	-13.57	peak
Н	112.62	-79.76	10.84	-68.92	-54	-14.92	peak
Н	180.99	-79.18	12.15	-67.03	-54	-13.03	peak
Н	342.29	-60.80	14.84	-45.96	-36	-9.96	peak
Н	620.90	-88.61	20.85	-67.76	-54	-13.76	peak

Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit

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Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detecto		
(H/V)	(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	Туре		
operation frequency:5745 MHz									
V	1197.05	-45.26	2.11	-43.15	-30	-13.15	peak		
V	1696.70	-44.79	3.27	-41.52	-30	-11.52	peak		
V	2196.28	-52.17	8.87	-43.30	-30	-13.30	peak		
V	5758.98	-59.63	9.18	-50.45	-30	-20.45	peak		
Н	1696.36	-46.83	3.75	-43.08	-30	-13.08	peak		
Н	3822.93	-64.00	8.74	-55.26	-30	-25.26	peak		
Н	5759.53	-58.91	9.11	-49.80	-30	-19.80	peak		
Н	9382.43	-58.63	14.89	-43.74	-30	-13.74	peak		
		оре	eration frequency	y:5785 MHz					
V	1196.63	-45.37	2.63	-42.74	-30	-12.74	peak		
V	1697.18	-44.98	3.96	-41.02	-30	-11.02	peak		
V	2197.99	-51.05	8.68	-42.37	-30	-12.37	peak		
V	3885.43	-61.00	7.87	-53.13	-30	-23.13	peak		
V	5822.40	-59.49	9.04	-50.45	-30	-20.45	peak		
Н	1698.04	-47.28	3.62	-43.66	-30	-13.66	peak		
Н	2198.10	-51.77	8.25	-43.52	-30	-13.52	peak		
Н	5821.76	-56.37	9.15	-47.22	-30	-17.22	peak		
Н	9387.30	-54.10	14.39	-39.71	-30	-9.71	peak		
		оре	eration frequency	y:5825 MHz			•		
V	1696.82	-45.88	3.40	-42.48	-30	-12.48	peak		
V	2197.66	-50.73	8.61	-42.12	-30	-12.12	peak		
V	2634.71	-57.58	9.43	-48.15	-30	-18.15	peak		
V	5822.28	-60.87	8.52	-52.35	-30	-22.35	peak		
V	6168.59	-50.91	10.96	-39.95	-30	-9.95	peak		
Н	1696.53	-47.02	3.13	-43.89	-30	-13.89	peak		
Н	2195.82	-52.34	9.13	-43.21	-30	-13.21	peak		
Н	2633.24	-58.60	9.99	-48.61	-30	-18.61	peak		
Н	5821.07	-55.80	9.05	-46.75	-30	-16.75	peak		

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit

Note: Only the worst case 802.11n20 mode recorded in the report.

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6. DUTY CYCLE

6.1 APPLICABILITY AND DESCRIPTION

Duty Cycle (DC) shall apply to all transmitting equipment except those which utilize Listen Before Talk (LBT) clause 4.4.2, or Detect And Avoid (DAA), clause 4.4.3. RFID transmitters operating in the 2 446 MHz to 2 454 MHz frequency band that transmit at a maximum radiated peak power level of less than 500 mW e.i.r.p. are also excluded.

Duty cycle is the ratio expressed as a percentage, of the cumulative duration of transmissions T_{on_cum} within an observation interval T_{obs} .

$$DC = \left(\frac{T_{on_cum}}{T_{obs}}\right)F_{obs}$$

on an observation bandwidth Fobs.

Unless otherwise specified, $T_{\mbox{\tiny obs}}$ is 1 hour and the observation bandwidth $F_{\mbox{\tiny obs}}$ is the operational frequency band

Each transmission consists of an RF emission, or sequence of RF emissions separated by intervals $< T_{Dis}$.

6.2 LIMITS

Table 4 defines the maximum duty cycle within a 1 hour period. Table 4: Duty cycle limits

Frequency Band	Duty cycle	Application	Notes
2 400 MHz to 2 483,5 MHz	No Restriction	Generic use	
2 400 MHz to 2 483,5 MHz	No Restriction	Detection, movement and alert	
		applications	
(a) 2 446 MHz to 2 454 MHz	No Restriction	RFID	Limits shown in
			annex D shall apply
(b) 2 446 MHz to 2 454 MHz	≤ 15 %	RFID	Limits shown in
			annex D shall apply
5 725 MHz to 5 875 MHz	No Restriction	Generic use	
9 200 MHz to 9 500 MHz	No Restriction	Radiodetermination:	
		radar, detection, movement and	
		alert applications	
9 500 MHz to 9 975 MHz	No Restriction	Radiodetermination:	
		radar, detection, movement and	
		alert applications	
10,5 GHz to 10,6 GHz	No Restriction	Radiodetermination:	
		radar, detection, movement and	
		alert applications	
13,4 GHz to 14,0 GHz	No Restriction	Radiodetermination:	
		radar, detection, movement and	
17.1.011.1.17.0.011		alert applications	
17,1 GHz to 17,3 GHz	DAA or	Radiodetermination:	Limits shown in
	equivalent	GBSAR detecting and movement	annex F shall apply
04.00.011.1.04.05.C.:	techniques	and alert applications	
24,00 GHz to 24,25 GHz	No Restriction	Generic use and for	
		Radiodetermination:	
		radar, detection, movement and	
	1	alert applications	

For devices with a 100 % duty cycle transmitting an unmodulated carrier most of the time, a time-out shut-off facility shall be implemented in order to improve the efficient use of spectrum. The method of implementation shall be declared by the manufacturer.

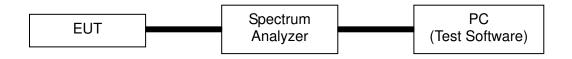
6.4 METHOD OF MEASUREMENT

Please refer to EN 300440 V2.2.1 Clause 4.2.5.3.

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6.5 TEST SETUP



6.6 TEST RESULTS

EUT:	Mobile Phone	Model Name:	A85
Temperature:	26°C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage:	DC 3.85V (NORMAL)
Test Mode:	Mode 1/2/3		

Test data reference attachment

7. SPURIOUS EMISSIONS - RX

7.1 APPLIED PROCEDURES / LIMIT

Clause	Test Item	Frequency(MHz)	Limit	
4.3.5.4	Spurious emissions	30-1000	-57dBm	
	(radiated)	Above 1000	-47dBm	

7.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	30 MHz
Stop Frequency	40GHz
Detector	Positive Peak
Sweep Time	Auto
RB	For frequency 30MHz~1G:100 kHz~120 kHz For frequency above 1G:1MHz

7.3 TEST PROCEDURES

- a. The EUT was placed on the top of the turntable in open test site area.
- b. The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- c. For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.For above 1G, using Horn antenna .
- d. The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- e. Replace the EUT by standard antenna and feed the RF port by signal generator.
- f. Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- g. Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- h. The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- i. The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

7.5 TEST SETUP LAYOUT

This test setup layout is the same as that shown in section 5.4.

7.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously receiving mode.

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7.7 TEST RESULTS

EUT :	Mobile Phone	Model Name :	A85
Temperature :	26°C	Relative Humidity :	53 %
Pressure :	1012 hPa	Test Power :	DC 3.85V (NORMAL)
Test Mode :	RX-802.11n20 mode		

Below 1G :

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
	(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	Туре
V	34.46	-91.19	18.38	-72.81	-57	-15.81	peak
V	51.92	-81.18	9.74	-71.44	-57	-14.44	peak
V	117.20	-80.61	10.39	-70.22	-57	-13.22	peak
V	164.71	-79.90	11.92	-67.98	-57	-10.98	peak
V	233.98	-79.21	11.20	-68.01	-57	-11.01	peak
V	369.74	-80.11	15.10	-65.01	-57	-8.01	peak
Н	50.57	-77.06	10.56	-66.50	-57	-9.50	peak
Н	91.50	-80.27	10.15	-70.12	-57	-13.12	peak
Н	171.81	-81.30	13.13	-68.17	-57	-11.17	peak
Н	198.91	-79.08	12.25	-66.83	-57	-9.83	peak
Н	392.38	-90.86	14.83	-76.03	-57	-19.03	peak
Н	556.97	-90.11	19.15	-70.96	-57	-13.96	peak

Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit

Above 1G :

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
	(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	Туре
V	1197.07	-61.87	2.30	-59.57	-47	-12.57	peak
V	1698.12	-62.23	3.32	-58.91	-47	-11.91	peak
V	2198.48	-65.48	8.55	-56.93	-47	-9.93	peak
V	2636.07	-68.44	9.90	-58.54	-47	-11.54	peak
V	8447.13	-76.28	16.54	-59.74	-47	-12.74	peak
Н	1198.69	-58.14	1.73	-56.41	-47	-9.41	peak
Н	1697.26	-58.41	3.22	-55.19	-47	-8.19	peak
Н	2197.90	-63.01	8.92	-54.09	-47	-7.09	peak
Н	3822.48	-70.38	8.83	-61.55	-47	-14.55	peak
Н	10698.06	-79.67	23.83	-55.84	-47	-8.84	peak

Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit

8. ADJACENT CHANNEL SELECTIVITY

NTEK 北测

8.1 APPLICABILITY

This requirement applies to channelized Category 1 receivers..

8.2 LIMITS

The adjacent channel selectivity of the equipment under specified conditions shall not be less than -30 dBm + k.

The correction factor, k, is as follows:

 $k = -20\log f - 10\log BW$

Where:

- f is the frequency in GHz;

- BW is the channel bandwidth in MHz.

The factor k is limited within the following:

- -40 dB < k < 0 dB.

8.3 METHODS OF MEASUREMENT

This measurement shall be conducted under normal conditions.

Two signal generators A and B shall be connected to the receiver via a combining network to the receiver, either:

a) via a test fixture or a test antenna to the receiver integrated, dedicated or test antenna; or b) directly to the receiver permanent or temporary antenna connector.

The method of coupling to the receiver shall be stated in the test report.

Signal generator A shall be at the nominal frequency of the receiver, with normal modulation of the wanted signal.

Signal generator B shall be unmodulated and shall be adjusted to the adjacent channel centre frequency immediately

above that of the wanted signal.

Initially signal generator B shall be switched off and using signal generator A the level that still gives sufficient

response shall be established. The output level of generator A shall then be increased by 3 dB. Signal generator B is then switched on and adjusted until the wanted criteria are met. This level shall be recorded.

The measurements shall be repeated with signal generator B unmodulated and adjusted to the adjacent channel centre immediately below the wanted signal.

The adjacent channel selectivity shall be recorded for the upper and lower adjacent channels as the level in dBm of the unwanted signal.

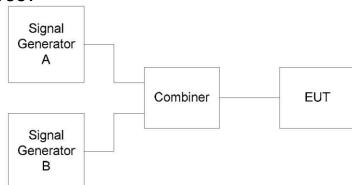
For tagging systems (e.g. RF identification, anti-theft, access control, location and similar systems) signal generator A may be replaced by a physical tag positioned at 70 % of the measured system range in metres.

In this case, the adjacent selectivity shall be recorded as the level in dBm of lowest level of the unwanted signal

(generator B) resulting in a non-read of the tag.

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8.4 TEST SETUP LAYOUT



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8.5 TEST RESULTS

EUT:	Mobile Phone	Model Name :	A85
Temperature :	24 ℃	Relative Humidity :	54%
Pressure :	1010 hPa	Test Voltage :	N/A
Test Mode :	N/A		

Not applicable.

9. BLOCKING OR DESENSITIZATION

9.1 APPLICABILITY

This requirement applies to all Category 1, 2, and 3 SRD communication media receivers.

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9.2 LIMITS

The blocking level, for any frequency within the specified ranges, shall not be less than the values given in table 6, except at frequencies on which spurious responses are found.

Receiver category	Limit
1	-30 dBm + k
2	-45 dBm + k
3	-60 dBm + k

The correction factor, k, is as follows:

 $k = \Box$ -20log f -10log BW

Where:

- f is the frequency in GHz;

- BW is the channel bandwidth in MHz.

The factor k is limited within the following:

- -40 dB < k < 0 dB.

9.3 TEST PROCEDURES

This measurement shall be conducted under normal conditions.

Two signal generators A and B shall be connected to the receiver via a combining network to the receiver, either:

a) via a test fixture or a test antenna to the receiver integrated, dedicated or test antenna; or

b) directly to the receiver permanent or temporary antenna connector.

The method of coupling to the receiver shall be stated in the test report.

Signal generator A shall be at the nominal frequency of the receiver, with normal modulation of the wanted signal.Signal generator B shall be unmodulated and shall be adjusted to a test frequency at approximately 10 times, 20 times and 50 times of the occupied bandwidth above upper band edge of occupied bandwidth.Initially signal generator B shall be switched off and using signal generator A the level which still gives sufficient response shall be established. The output level of generator A shall then be increased by 3 dB.Signal generator B is then switched on and adjusted until the wanted criteria are met. This level shall be recorded.

The measurement shall be repeated with the test frequency for signal generator B at 10 times, 20 times and 50 times of the occupied bandwidth below the lower band edge of the occupied bandwidth The blocking or desensitization shall be recorded as the level in dBm of lowest level of the unwanted signal(generator B).

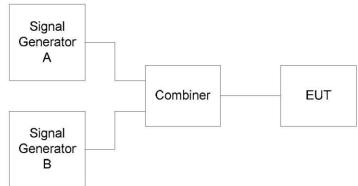
For tagging systems (e.g. RF identification, anti-theft, access control, location and similar systems) signal generator A may be replaced by a physical tag positioned at 70 % of the measured system range in metres. In this case, the blocking or desensitization shall be recorded as the ratio in dB of lowest level of the unwanted signal (generator B) resulting in a non-read of the tag. to the declared sensitivity of the receiver +3 dB.



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9.4 TEST RESULTS

EUT :	Mobile Phone	Model Name :	A85
Temperature :	24 ℃	Relative Humidity :	54%
Pressure :	1010 hPa	Test Voltage :	DC 3.85V (NORMAL)
Test Mode :	RX		

802.11a

5745 MHz

Flow= 5736.793MHz; Fhigh= 5753.179MHz, occupied bandwidth=16.386MHz

Receiver category	Frequency offset	Test Frequency (MHz)	Measurement Vause(dB) (Generator A)	Measurement Vause(dB) (Generator B)	≧Limit(dB)
3	5745 MHz	5745	-64.69	-	-
	10 times lower band edge of the occupied bandwidth	5571.669	-	-29.81	-87.36(Note ¹)
	20 times lower band edge of the occupied bandwidth	5406.569	-	-36.41	-87.36
	50 times lower band edge of the occupied bandwidth	4911.269	-	-36.12	-87.36
	10 times upper band edge of the occupied bandwidth	5918.379	-	-30.22	-87.36
	20 times upper band edge of the occupied bandwidth	6083.479	-	-35.34	-87.36
	50 times upper band edge of the occupied bandwidth	6578.779	-	-31.19	-87.36

Note1:

The limit : -60 dBm + k

The correction factor, k, is as follows:

 $k = -20\log f - 10\log BW$

k = -27.33

Where:

- f is the frequency in GHz;

- BW is the occupied bandwidth in MHz.

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802.11a

5825 MHz

Flow= 5816.785MHz; Fhigh= 5833.183MHz, occupied bandwidth=16.398MHz

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Receiver category	Frequency offset	Test Frequency (MHz)	Measurement Vause(dB) (Generator A)	Measurement Vause(dB) (Generator B)	\geq Limit(dB)
3	5825 MHz	5825	-65.36	-	-
	10 times lower band edge of the occupied bandwidth	5652.805	-	-30.70	-87.45(Note ¹)
	20 times lower band edge of the occupied bandwidth	5488.825	-	-34.32	-87.45
	50 times lower band edge of the occupied bandwidth	4996.885	-	-36.03	-87.45
	10 times upper band edge of the occupied bandwidth	5997.163	-	-31.20	-87.45
	20 times upper band edge of the occupied bandwidth	6161.143	-	-35.22	-87.45
	50 times upper band edge of the occupied bandwidth	6653.083	-	-31.50	-87.45

Note1:

The limit :

-60 dBm + k

The correction factor, k, is as follows:

 $k = -20 \log f - 10 \log BW$

k = -27.45

Where:

- f is the frequency in GHz;

- BW is the occupied bandwidth in MHz.

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802.11n40

5755 MHz

Flow= 5737.05MHz; Fhigh= 5772.886MHz, occupied bandwidth=35.836MHz

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Receiver category	Frequency offset	Test Frequency (MHz)	Measurement Vause(dB) (Generator A)	Measurement Vause(dB) (Generator B)	≧Limit(dB)
	5755 MHz	5755	-65.33	-	-
	10 times lower band edge of the occupied bandwidth	5378.69	-	-30.74	-90.74(Note ¹)
	20 times lower band edge of the occupied bandwidth	5020.33	-	-35.63	-90.74
3	50 times lower band edge of the occupied bandwidth	3945.25	-	-35.98	-90.74
	10 times upper band edge of the occupied bandwidth	6131.246	-	-29.76	-90.74
	20 times upper band edge of the occupied bandwidth	6489.606	-	-35.40	-90.74
	50 times upper band edge of the occupied bandwidth	7564.686	-	-32.09	-90.74

Note1:

The limit :

-60 dBm + k

The correction factor, k, is as follows:

k = -20log f -10logBW

k = -30.74

Where:

- f is the frequency in GHz;

- BW is the occupied bandwidth in MHz.

Report No.: STR22102801005E

802.11n40

5795 MHz

Flow= 5776.954MHz; Fhigh= 5812.974MHz, occupied bandwidth=36.02MHz

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Receiver category	Frequency offset	Test Frequency (MHz)	Measurement Vause(dB) (Generator A)	Measurement Vause(dB) (Generator B)	\geq Limit(dB)
	5795 MHz	5795	-64.91	-	-
	10 times lower band edge of the occupied bandwidth	5416.754	-	-30.09	-90.83(Note ¹)
	20 times lower band edge of the occupied bandwidth	5056.554	-	-34.66	-90.83
3	50 times lower band edge of the occupied bandwidth	3975.954	-	-35.29	-90.83
	10 times upper band edge of the occupied bandwidth	6173.174	-	-29.72	-90.83
	20 times upper band edge of the occupied bandwidth	6533.374	-	-35.20	-90.83
	50 times upper band edge of the occupied bandwidth	7613.974	-	-30.85	-90.83

Note1:

The limit :

-60 dBm + k

The correction factor, k, is as follows:

k = -20log f -10logBW

k = -30.83

Where:

- f is the frequency in GHz;

- BW is the occupied bandwidth in MHz.

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802.11ac80

5775 MHz

Flow= 5737.324MHz; Fhigh= 5812.66MHz, occupied bandwidth=75.336MHz

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Receiver category	Frequency offset	Test Frequency (MHz)	Measurement Vause(dB) (Generator A)	Measurement Vause(dB) (Generator B)	≧Limit(dB)
	5795 MHz	5775	-65.30	-	-
	10 times lower band edge of the occupied bandwidth	4983.964	-	-29.61	-94.00(Note ¹)
	20 times lower band edge of the occupied bandwidth	4230.604	-	-34.29	-94.00
3	50 times lower band edge of the occupied bandwidth	1970.524	-	-34.51	-94.00
	10 times upper band edge of the occupied bandwidth	6566.020	-	-30.25	-94.00
	20 times upper band edge of the occupied bandwidth	7319.380	-	-35.01	-94.00
	50 times upper band edge of the occupied bandwidth	9579.460	-	-30.69	-94.00

Note1:

The limit :

-60 dBm + k

The correction factor, k, is as follows:

 $k = -20\log f - 10\log BW$

k = -34.00

Where:

- f is the frequency in GHz;

- BW is the occupied bandwidth in MHz.

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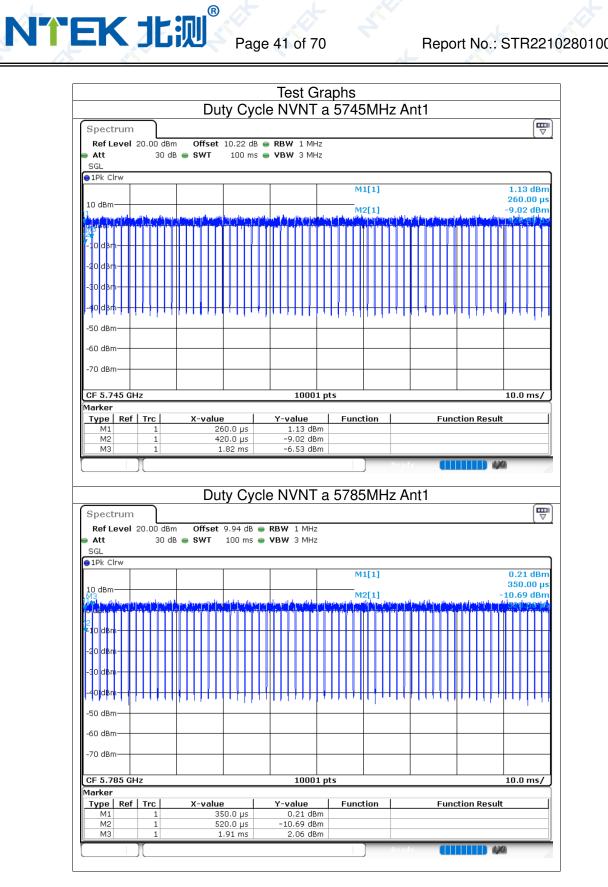
Report No.: STR22102801005E

10. TEST RESULTS

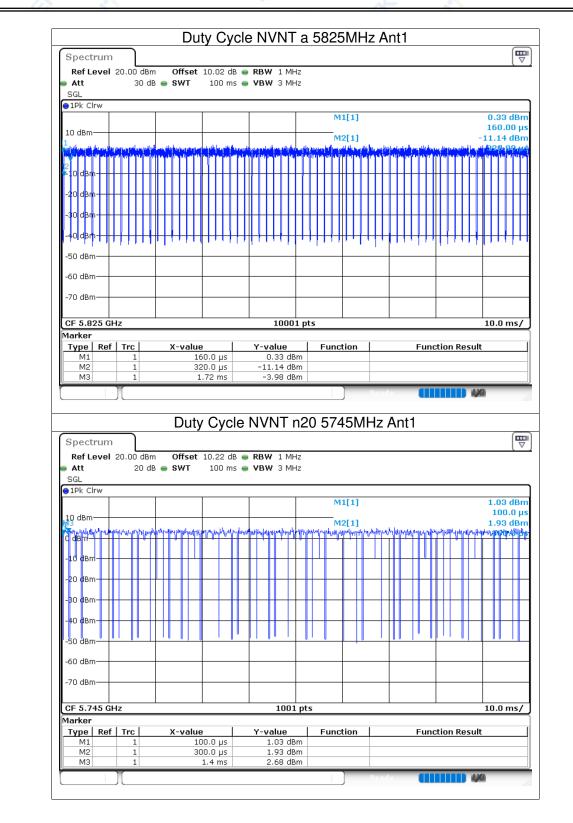
10.1 DUTY CYCLE

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	а	5745	Ant1	90.27	0.44	0.71
NVNT	а	5785	Ant1	90.33	0.44	0.72
NVNT	а	5825	Ant1	90.33	0.44	0.71
NVNT	n20	5745	Ant1	95.5	0.2	0.91
NVNT	n20	5785	Ant1	94.41	0.25	0.91
NVNT	n20	5825	Ant1	95.2	0.21	0.4
NVNT	n40	5755	Ant1	90.31	0.44	2
NVNT	n40	5795	Ant1	90.11	0.45	1.67
NVNT	ac20	5745	Ant1	88.4	0.54	0.84
NVNT	ac20	5785	Ant1	85.59	0.68	0.84
NVNT	ac20	5825	Ant1	88.97	0.51	0.84
NVNT	ac40	5755	Ant1	79.92	0.97	1.67
NVNT	ac40	5795	Ant1	79.96	0.97	1.69
NVNT	ac80	5775	Ant1	67.67	1.7	3.45

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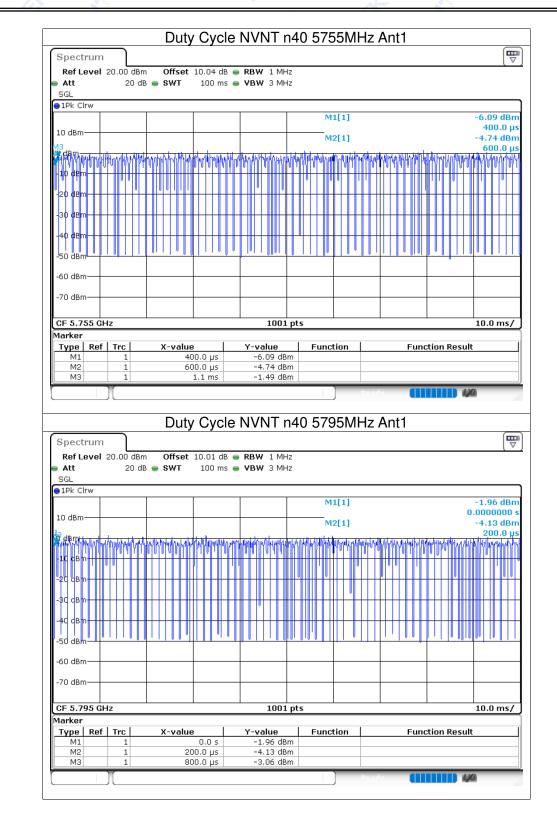
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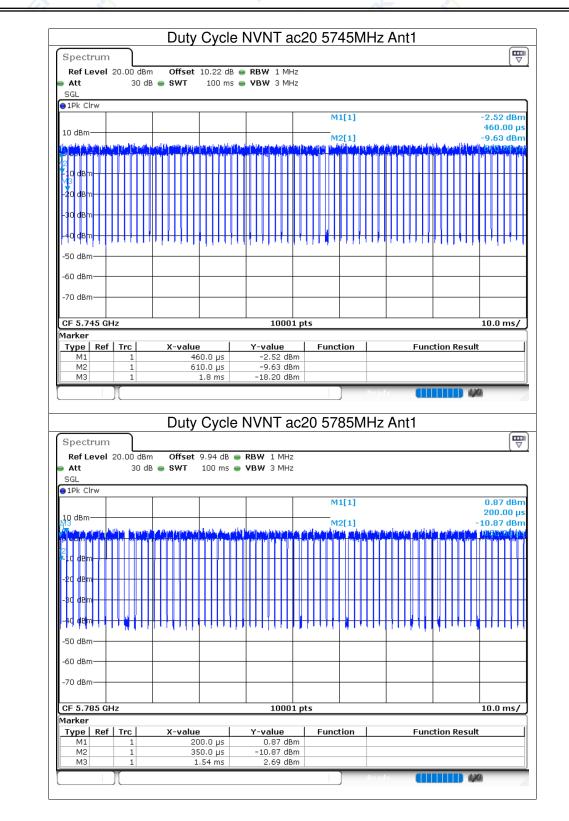


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Report No.: STR22102801005E



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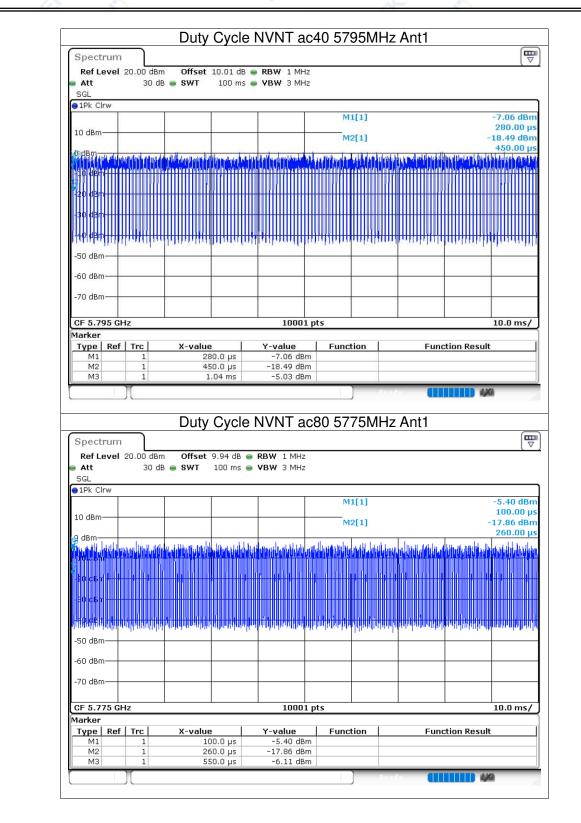
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10.2 -6DB EMISSION BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	а	5745	Ant1	16.32	0.5	Pass
NVNT	а	5785	Ant1	16.47	0.5	Pass
NVNT	а	5825	Ant1	16.32	0.5	Pass
NVNT	n20	5745	Ant1	17.28	0.5	Pass
NVNT	n20	5785	Ant1	17.64	0.5	Pass
NVNT	n20	5825	Ant1	17.28	0.5	Pass
NVNT	n40	5755	Ant1	35.52	0.5	Pass
NVNT	n40	5795	Ant1	35.64	0.5	Pass
NVNT	ac20	5745	Ant1	17.25	0.5	Pass
NVNT	ac20	5785	Ant1	17.1	0.5	Pass
NVNT	ac20	5825	Ant1	17.58	0.5	Pass
NVNT	ac40	5755	Ant1	35.82	0.5	Pass
NVNT	ac40	5795	Ant1	35.34	0.5	Pass
NVNT	ac80	5775	Ant1	75.12	0.5	Pass

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)		IVNT a 5	02310112				
Spectrum Ref Level 20.0	0 dBm Offcot	10.02 dp 🚗	RBW 100 kH;	2				[7
Att	30 dB SWT		VBW 300 kHz		ito FFT			
SGL Count 100/1 1Pk Max	.00							
		1		M1[1]			-3.22 dB
10 dBm							5.8	287160 G
				M2[1			5.8	-7.63 dB 168100 GI
0 dBm	M2			1 1 A A	7	M3		T
-10 dBm	Junemen	requestion	mension p	anterrelated	humburn	Mura		
-20 dBm	1		V					
100	and the				2	"h	1947 - S	
39.4Bm mapale	u N	-					malifian	Manhan
-40 dBm								
-to abin								2
-50 dBm								-
-60 dBm								
-70 dBm		-						-
CF 5.825 GHz			1001 p	ots		11-	Spar	n 30.0 MH
Marker Type Ref Tro	c X-valu	e l	Y-value	Function	n l	Fund	tion Resul	ť
M1	1 5.8287	16 GHz	-3.22 dBm		-	, and		-
		681 GHz	-7.63 dBm -8.52 dBm					
MI3	1 5.833	313 GHz	-8.52 dBm					
Spectrum	E	BW N\	/NT n20	5745MH	lz Ant1			0
Spectrum Ref Level 20.0			/NT n20		Rendy Iz Ant1			۵ ا
Ref Level 20.0 Att	0 dBm Offset 20 dB SWT	10.22 dB 🥌		2				9
Ref Level 20.0 Att SGL Count 1000/	0 dBm Offset 20 dB SWT	10.22 dB 🥌	RBW 100 kH:	2				9
Ref Level 20.0 Att SGL Count 1000/	0 dBm Offset 20 dB SWT	10.22 dB 🥌	RBW 100 kH:	2 2 Mode Au	ito FFT			
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max	0 dBm Offset 20 dB SWT	10.22 dB 🥌	RBW 100 kH:	2	ito FFT		5.74	-1.80 dB
Ref Level 20.0 Att SGL Count 1000/	0 dBm Offset 20 dB SWT	10.22 dB 🥌	RBW 100 kH:	2 2 Mode Au	ito FFT			-1.80 dB +99750 GH -7.51 dB
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	ш р 		-1.80 dB +99750 Gł
Ref Level 20.0 Att SGL Count SGL Count 1000/ 1Pk Max 10 dBm 0 dBm 0	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH:	2 2 Mode Au M1[1 	uto FFT	Ma www.hump		-1.80 dB +99750 GH -7.51 dB
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	MA probability		-1.80 dB +99750 GH -7.51 dB
Ref Level 20.0 Att SGL Count SGL Count 1000/ 1Pk Max 10 dBm 0 dBm 0	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 10 dBm 0 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ IPk Max 10 dBm -10 dBm -20 dBm -30 dBm top for the form form form form form form form form	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 GH -7.51 dB
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 10 dBm 0 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ IPk Max 10 dBm -10 dBm -20 dBm -30 dBm top for the form form form form form form form form	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 2 Mode Au M1[1 	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	0 dBm Offset 20 dB SWT 1000	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH: VBW 300 kH:	2 Mode Au M1[1 M2[1	uto FFT	1	5.7	-1.80 dB +99750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm/ -50 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm	M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	10.22 dB 🖷 75.9 µs 🖷	RBW 100 kH; VBW 300 kH; VW VVVV VVVVVVVVVVVVVVVVVVVVVVVVVVVVVV	2 Mode Au M1[1 M2[1 0000/\u00fty/hallow/	Ito FFT		5.7: Www.Wh Span	-1.80 dB 199750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max - - 10 dBm - - -10 dBm - - -20 dBm - - -30 dBm - - -50 dBm - - -60 dBm - - -70 dBm - -	D dBm Offset 20 dB SWT 1000	10.22 dB 75.9 μs 	RBW 100 kH; VBW 300 kH; ////////////////////////////////////	2 Mode Au M1[1 M2[1 	Ito FFT		5.7	-1.80 dB 199750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max	0 dBm Offset 20 dB SWT /1000	10.22 dB 75.9 µs	RBW 100 kH; VBW 300 kH; WMMMMM P 1001 p Y-value -1.80 dBm	2 Mode Au M1[1 M2[1 mm/\underset mm/\un	Ito FFT		5.7: Www.Wh Span	-1.80 dB 199750 Gł -7.51 dB 364800 Gł
Ref Level 20.0 Att SGL Count 1000/ 1Pk Max	C X-value 1 5.7369	10.22 dB 75.9 μs 	RBW 100 kH; VBW 300 kH; ////////////////////////////////////	2 Mode Au M1[1 M2[1 M2[1	Ito FFT		5.7: Www.Wh Span	-1.80 dB 199750 Gł -7.51 dB 364800 Gł

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				VNT n20	0700		11.1		
Spectrum									ſ
Ref Level 2				RBW 100 kH		a an annan			
SGL Count 10	30 dB 00/100	SWT 75.	.9 µs 📟	VBW 300 kH	z Mode	Auto FFT			
1Pk Max						1.1.1.1			
					M	1[1]		5 7	-4.84 dE 819130 G
10 dBm	1				M	2[1]		0.7	-10.82 dE
0 dBm				MIL		1	1	5.7	761200 G
-10 dBm	M	2010 marine marine	www.	Anonymung	manuture	monson	an hardy any	13	
	ſ			1				1	
-20 dBm	N	-						10	
-30 dBm	mym							N.	
-40 dBm							_	and	mww
-50 dBm									
-60 dBm							-	2	
-70 dBm							_	-	
CF 5.785 GH	z			1001	pts			Spa	n 30.0 MH
1arker Type Ref	Trol	V uslue	T	Y-value	L Euro	tion	Fue	ction Resu	14
M1	1	X-value 5.781913	GHz	-4.84 dB			Fui	ction Resu	IL.
M2 M3	1	5.77612 5.79376		-10.82 dB -10.05 dB					
1915	1	5.79370	GHZ						
Cu o otru um		EB	SW NY	VNT n20) ЛНz А	nt1	4) (1
Spectrum				VNT n20) 5825N) ЛНz А	nti	(1111) 4	1
Sector record	20.00 dBm 20 dB	Offset 10.	.02 dB 🥃) 5825N			(11111) 4	اللار ا
Ref Level 2 Att SGL Count 10	20 dB	Offset 10.	.02 dB 🥃	VNT n20) 5825N))) [1
Ref Level 2 Att	20 dB	Offset 10.	.02 dB 🥃	VNT n20) 5825N ^{Hz} Mode	Auto FF1			
Ref Level 2 Att SGL Count 10 1Pk Max	20 dB	Offset 10.	.02 dB 🥃	VNT n20) 5825N ^{Hz} Mode	Auto FF1		5.8	-2.75 dE 1187060 G
Ref Level 2 Att SGL Count 10	20 dB	Offset 10. SWT 7	.02 dB 🥃	VNT n20) 5825N ^{Hz} Mode	Auto FF1			-2.75 dE 187060 G -8.75 dE
Ref Level 2 Att SGL Count 10 1Pk Max	20 dB	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G
Ref Level 2 Att SGL Count 10 1Pk Max	20 dB	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n20) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE
Ref Level 2 Att SGL Count 10 SGL Count 10 IPk Max 10 dBm - -10 dBm -	20 dB	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 SGL Count 10 IPk Max 10 dBm - -10 dBm -	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N ^{Hz} Mode M	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm -70 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶) 5825N Hz Mode M purph who have	Auto FF1		5.8	-2.75 dl 1187060 G -8.75 dl 1161800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -60 dBm -70 dBm -70 dBm -70 dBm	20 dB 000/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶	VNT n2C) 5825N Hz Mode M purph who have	Auto FF1		5.8	-2.75 dE 187060 G -8.75 dE 161800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm -70 dBm	20 dB 300/1000	Offset 10. SWT 75	.02 dB 🖷 5.9 µs 🖶) 5825N Hz Mode M purph who have	Auto FF 1	Mar Marine Ma Marine Ma	5.8	-2.75 dt 1187060 G -8.75 dt 1161800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -60 dBm -60 dBm -60 dBm -70 dBm	20 dB 000/1000	Offset 10. SWT 7: M1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	02 dB 5.9 μs 	VNT n2C) 5825N Hz Mode M m pure Mode M m m m Func m	Auto FF 1	Mar Marine Ma Marine Ma	5.8	-2.75 dt 1187060 G -8.75 dt 1161800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -50 dBm -60 dBm -70 dBm	20 dB 100/1000	Offset 10. SWT 7: M1 22 WWWADWADWA	02 dB 5.9 μs 	VNT n20 RBW 100 k VBW 300 k 1001 1001 Y-value	D 5825N	Auto FF 1	Mar Marine Ma Marine Ma	5.8	-2.75 dt 1187060 G -8.75 dt 1161800 G

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Customer				VNT n40	57551		11 1		ſ
Spectrum Ref Level 2	0.00 dBm	Offset 1	10.04 dB (■ RBW 100 kH	łz				
Att SGL Count 10	20 dB			● VBW 300 kH		Auto FFT			
⊜1Pk Max				a		0.000			
					M	1[1]		E .	-4.30 dl 7587160 G
10 dBm					M	2[1]		э.	-9.09 di
0 dBm			-		MI	10		5.	7374200 G
	P	12	8 G I	1144	al Julia	hulmber	heles and	yiB	
-10 dBm		Intertation	w when the set	which and the color	1 0 00 Cd) - 5-4		ALCONOL -2	1	
-20 dBm			-	4	,		2	-	
-30 dBm]							Land	n and
-30 dBm	herter							. Arr W	Mangal
Hab demover			0					2	
-50 dBm				_			-	-	
60 d0m									
-60 dBm									
-70 dBm						-		0	. 55
					- 2.4				
CF 5.755 GH	z			1001	pts			Spa	an 60.0 MH
Marker Type Ref	Trc	X-value	• 1	Y-value	Func	tion	Fur	nction Resu	ılt
M1	1	5.7587	16 GHz	-4.30 dBr	n				
M2 M3	1		42 GHz 94 GHz	-9.09 dBr -10.23 dBr					
THO I	-	5.112		10.20 001					
		F	BW N	VNT n40	5795N] ου ΛΗτ Δr	nt1		ya.
	_	E	BW N	VNT n40	5795N) /Hz Ar	nt1		90
Spectrum) /Hz Ar	nt1		9 80
Ref Level 2		Offset 1	10.01 dB (■ RBW 100 kH	Iz		nt1		(
Marine and an and a second	20 dB	Offset 1	10.01 dB (Iz) <u> IHz Ar</u> Auto FFT	<u>nt1</u>		(1
Ref Level 2 Att SGL Count 10	20 dB	Offset 1	10.01 dB (■ RBW 100 kH	iz iz Mode	Auto FFT	nt1		(1
Ref Level 2 Att SGL Count 10	20 dB	Offset 1	10.01 dB (■ RBW 100 kH	iz iz Mode		nt1		-4.15 di
Ref Level 2 Att SGL Count 10 1Pk Max	20 dB	Offset 1	10.01 dB (■ RBW 100 kH	iz iz Mode M	Auto FFT	nt1	5.	-4.15 dl 7786960 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm	20 dB	Offset 1	10.01 dB (■ RBW 100 kH	iz iz Mode M	Auto FFT	nt1		-4.15 di 7786960 G -9.73 di
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm 0 dBm	20 dB	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT			-4.15 di 7786960 di -9.73 di
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm	20 dB 100/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (■ RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 di 7786960 di -9.73 di
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm 0 dBm	20 dB 100/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 di 7786960 G -9.73 di
Ref Level 2 Att SGL Count 10 IPk Max 10 10 dBm - -10 dBm - -20 dBm -	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max ID 10 dBm ID -10 dBm ID	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 10 dBm - -10 dBm - -20 dBm -	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 di 7786960 G -9.73 di 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz iz Mode M	Auto FFT		5.	-4.15 dt 7786960 G -9.73 dt 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm	20 dB 000/1000	Offset 1 SWT 1	10.01 dB (132.7 µs (RBW 100 kH	iz Mode M M	Auto FFT		5.	-4.15 dl 7786960 G -9.73 dl 7768800 G
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm 10 dBm - - -10 dBm - - -20 dBm - - -30 dBm - - -50 dBm - - -60 dBm - - -70 dBm - - -70 dBm - - -70 dBm - -	20 dB 000/1000	Offset : SWT :	10.01 dB (132.7 µs (RBW 100 kH	tz Mode M M M	Auto FFT 1[1] 2[1] 	hodyethankeshin	Spa	-4.15 dl 7786960 G -9.73 dl 7768800 G
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20 dB 000/1000	Offset : SWT : M1 July Multure X-value	10.01 dB (132.7 µs (RBW 100 kH	iz Mode	Auto FFT 1[1] 2[1] 	hodyethankeshin	5.	-4.15 dl 7786960 G -9.73 dl 7768800 G
Ref Level 2 Att SGL Count 10 SGL Count 10 Interview 10 dBm - - -10 dBm - - -20 dBm - - -30 dBm - - -50 dBm - - -60 dBm - - -70 dBm - - </td <td>20 dB 100/1000</td> <td>Offset : SWT : M1 J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.</td> <td>10.01 dB (132.7 µs (</td> <td>RBW 100 kF VBW 300 kF</td> <td>pts</td> <td>Auto FFT 1[1] 2[1] </td> <td>hodyethankeshin</td> <td>Spa</td> <td>-4.15 di -7786960 G -9.73 di 7768800 G</td>	20 dB 100/1000	Offset : SWT : M1 J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.J.	10.01 dB (132.7 µs (RBW 100 kF VBW 300 kF	pts	Auto FFT 1[1] 2[1] 	hodyethankeshin	Spa	-4.15 di -7786960 G -9.73 di 7768800 G

Report No.: STR22102801005E

		EE	3W N\	/NT ac2	0 5745	oMHz	: Ant1			
Spectrum										[
Ref Level 20			Statistic and the state	• RBW 100 k			222			
SGL Count 100	30 dB /100	SWT	75.9 hs 🖷	VBW 300 k	Hz Mod	le Auto I	FFT			
1Pk Max										
					1	M1[1]				-1.94 dl
10 dBm						M2[1]			э.,	7437110 G -7.79 di
0 dBm				M1		0.00			5.3	7365100 G
1000000000000	M	manul	molena	unhanhan	monauler	hermon	Margaret	under MA		
-10 dBm	10				V.					
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-30 dBrittentur	A not.									and a control
-40 dBm	-			-						1
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-60 dBm										
-70 dBm						-				0
CF 5.745 GHz				100	1 pts				Spa	an 30.0 MH
1arker Type Ref 1	re l	X-value	1	Y-value	E	nction	1	Fue	ction Resu	ult
M1	1	5.74371	1 GHz	-1.94 dE	Bm	ISCIDIT		run	AIOH KESI	
M2 M3	1	5.7365		-7.79 de						
IVI3	1	5.7537	O GHZ							
		FF				-) 5MHz	Peady Ant1	a		
		EE	3W N\	/NT ac2		5MHz	Peady Ant1			
Spectrum	<u></u>			/NT ac2	0 578	5MHz	esode Ant1	a		1)KI [1
Spectrum Ref Level 20	.00 dBm 30 dB	Offset 9	.94 dB 🥌	/NT ac2 RBW 100 kH	0 578	10 1000 1000		UI) (1
Ref Level 20 Att SGL Count 100	30 dB	Offset 9	.94 dB 🥌	/NT ac2	0 578	5MHz		a		(1
Ref Level 20 Att	30 dB	Offset 9	.94 dB 🥌	/NT ac2 RBW 100 kH	0 578 12 12 Mode	e Auto Fl		a		
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Ref Level 20 Att SGL Count 100	30 dB	Offset 9 SWT 7	.94 dB 🥌	/NT ac2 RBW 100 kH	0 5785	e Auto Fl				-2.29 dt 7787360 G -8.07 dt
Ref Level 20 Att SGL Count 100 1Pk Max	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT			-2.29 di 7787360 G
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 0 dBm 0 0	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	Ma		-2.29 dt 7787360 G -8.07 dt
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	M3		-2.29 dt 7787360 G -8.07 dt
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 0 dBm 0 0	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	Ma		-2.29 dt 7787360 G -8.07 dt
Ref Level 20 Att SGL Count 100 SGL Count 100 100 IPk Max 100 dBm -100 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	Ma	5.3	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	M3 whyluets Kong	5.3	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 SGL Count 100 100 IPk Max 100 dBm -100 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	M3 whybels have	5.3	-2.29 dt 7787360 G -8.07 dt
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	M3 whybuls by	5.3	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 IPk Max 10 10 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm -	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	M3	5.3	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 IPk Max 10 10 dBm 0 -10 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	Win M3	5.3	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 IPk Max 10 10 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm -	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2 RBW 100 kH VBW 300 kH	0 5785	• Auto Fi M1[1] M2[1]	FT	M3 With Mithing	5.3	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 10 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2	0 578	• Auto Fi M1[1] M2[1]	FT	WM M3	S.T	-2.29 di 7787360 G -8.07 di 7762100 G
Ref Level 20 Att SGL Count 100 SGL Count 100 10k Max 10 dBm 0 0 dBm	30 dB /100	Offset 9 SWT 7	.94 dB 🖷 5.9 µs 🖷	/NT ac2	0 5785	• Auto Fi M1[1] M2[1]	FT	M3 while here	S.T	-2.29 df 7787360 G -8.07 df 7762100 G
Ref Level 20 Att SGL Count 100 IPk Max 10 10 dBm 0 -10 dBm	30 dB /100	Offset 9 SWT 7	.94 dB • 5.9 µs •	/NT ac2	0 5785	• Auto Fi M1[1] M2[1]	FT		S.T	-2.29 di 7787360 G -8.07 di 7762100 G
Ref Level 20 Att SGL Count 100 IPk Max 10 ID dBm - 0 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -60 dBm - -70 dBm - <t< td=""><td>30 dB /100</td><td>Offset 9 SWT 7 M1 W///////////////////////////////////</td><td>.94 dB ● 5.9 µs ● www.Mayty/M</td><td>/NT ac2 RBW 100 kF VBW 300 kF </td><td>0 5785</td><td>• Auto Fi</td><td>FT</td><td></td><td>Spc</td><td>-2.29 di 7787360 G -8.07 di 7762100 G</td></t<>	30 dB /100	Offset 9 SWT 7 M1 W///////////////////////////////////	.94 dB ● 5.9 µs ● www.Mayty/M	/NT ac2 RBW 100 kF VBW 300 kF 	0 5785	• Auto Fi	FT		Spc	-2.29 di 7787360 G -8.07 di 7762100 G
Ref Level 20 Att SGL Count 100 IPk Max 10 IPk Max 10 0 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -60 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm - -70 dBm </td <td>30 dB /100</td> <td>Offset 9 SWT 7</td> <td>.94 dB ● 5.9 µs ● www.Marthy/M</td> <td>/NT ac2 RBW 100 kH VBW 300 kH </td> <td>0 5785</td> <td>• Auto Fi</td> <td>FT</td> <td></td> <td>Spc</td> <td>-2.29 di 7787360 G -8.07 di 7762100 G</td>	30 dB /100	Offset 9 SWT 7	.94 dB ● 5.9 µs ● www.Marthy/M	/NT ac2 RBW 100 kH VBW 300 kH 	0 5785	• Auto Fi	FT		Spc	-2.29 di 7787360 G -8.07 di 7762100 G

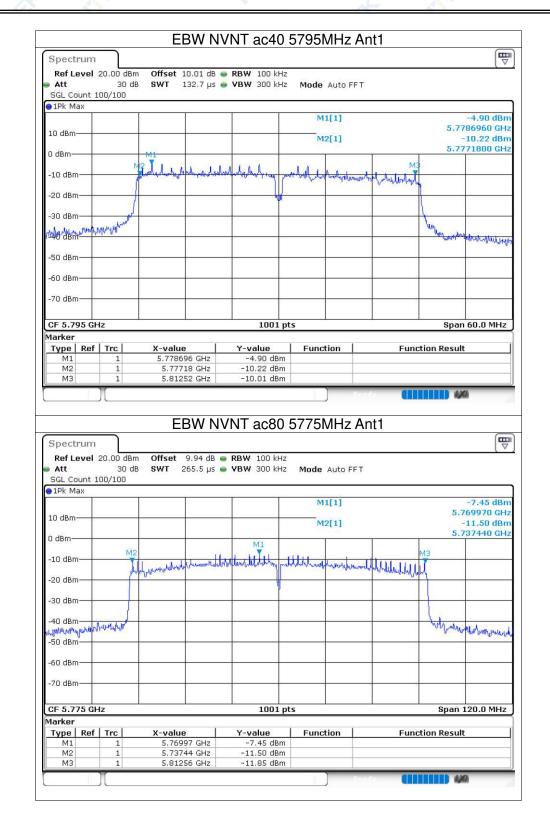
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0)		/NT ac20		12 AM	1		ſ
Spectrum Ref Level 20.0		set 10.02 dB 🖷	RBW 100 kHz					(
Att SGL Count 100/1	30 dB SW		VBW 300 kHz		O FFT			
1Pk Max	.00	~						
				M1[1]				-4.68 dE
10 dBm				M2[1]	í		5.8	-10.27 dE
0 dBm			201	(inter a)	1		5.8	161800 G
O UBIII	M2	montemperature	T		000	M	3	
-10 dBm	purulle	sharly when we are the	and the for the for	walnum fritan-	M. Albertan	mellin marine		
-20 dBm			N					
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K3 Rod BOD Company of Cal	MANN						And and a	man
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CF 5.825 GHz			1001 p	tc			0	in 30.0 MH
Harker			1001 p	ls			spa	IN 30.0 MF
Type Ref Tr	c X-1	value	Y-value	Function	1	Fun	ction Resu	ilt
M1	1 5.	823711 GHz	-4.68 dBm					
		5.81618 GHz 5.83376 GHz	-10.27 dBm -10.42 dBm					
		EBW N\	/NT ac40	5755MF	eed Iz Ant	() 1		<i>3</i> 0
Spectrum		EBW N\	/NT ac40	5755MF	lz Ant	1)0) [1
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Ref Level 20.0 Att	30 dB SW	set 10.04 dB 🦷	/NT ac40 RBW 100 kHz VBW 300 kHz			1) 1
Ref Level 20.0 Att SGL Count 100/1	30 dB SW	set 10.04 dB 🦷	• RBW 100 kHz			(1))) [1
Ref Level 20.0 Att	30 dB SW	set 10.04 dB 🦷	• RBW 100 kHz	Mode Aut	O FFT	1		
Ref Level 20.0 Att SGL Count 100/1 1Pk Max	30 dB SW	set 10.04 dB 🦷	• RBW 100 kHz		O FFT	1	5.7	-7.05 dt 2587160 G
Ref Level 20.0 Att SGL Count 100/1	30 dB SW	set 10.04 dB 🦷	• RBW 100 kHz	Mode Aut	o FFT	1		-7.05 dE 2587160 G -10.55 dE
Ref Level 20.0 Att SGL Count 100/1 1Pk Max	30 dB SW	set 10.04 dB 🦷	• RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1		-7.05 dE 2587160 G
Ref Level 20.0 Att SGL Count 100/1 SGL Count 100/1 10/1 IPk Max 10 dBm 0 dBm 0 0	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut	o FFT	1		-7.05 dE 2587160 G -10.55 dE
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm 10 dBm	30 dB SW 100	set 10.04 dB 🦷	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 townshare		-7.05 dE 2587160 G -10.55 dE
Ref Level 20.0 Att SGL Count 100/1 SGL Count 100/1 10/1 IPk Max 10 dBm 0 dBm 0 0	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 tomotomere		-7.05 dE 2587160 G -10.55 dE
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 10 10 dBm - - -10 dBm - - -20 dBm - -	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 .1	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 10 10 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 tomotome	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 10 10 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 ;	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm -0 dBm -20 dBm -30 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 ;	5.7	-7.05 dE 2587160 G -10.55 dE
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 10 10 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 ;e-wobroors	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm -0 dBm -20 dBm -30 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 ;p-styderweg	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut M1[1] M2[1]	o FFT	1 	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz VBW 300 kHz	Mode Aut [1] [] [] [] [] [] [] [] [] [] [o FFT	1 	5.7	-7.05 dt /587160 G -10.55 dt /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm -0 dBm -20 dBm -30 dBm -50 dBm -60 dBm	30 dB SW 100	set 10.04 dB Т 132.7 µs	RBW 100 kHz	Mode Aut [1] [] [] [] [] [] [] [] [] [] [o FFT	1 	5.7	-7.05 dE 587160 G -10.55 dE /374200 G
Ref Level 20.0 Att SGL Count 100/1 SGL Count 100/1 IPk Max - 10 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -60 dBm - -70 dBm -	30 dB SW 100 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	set 10.04 dB T 132.7 μs	RBW 100 kHz	Mode Aut [1] [] [] [] [] [] [] [] [] [] [o FFT	Serdyabray Se	5.7	-7.05 dt -70.55 dt -10.55 dt /374200 G
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 10 1D dBm - - -10 dBm - - -20 dBm - - -30 dBm - - -60 dBm - - -60 dBm - - -70 dBm - -	30 dB SW 100 PH2 PH2 PH2 PH2 PH2 PH2 PH2 PH2 PH2 PH2	set 10.04 dB T 132.7 μs	RBW 100 kHz VBW 300 kHz Image: state sta	Mode Aut M1[1] M2[1] M1 M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]	o FFT	Serdyabray Se	5.7	-7.05 dt -70.55 dt -10.55 dt /374200 G
Ref Level 20.0 Att SGL Count 100/1 SGL Count 100/1 IPk Max 10 IPk Max 10 0 dBm - -10 dBm - -20 dBm - -30 dBm - -60 dBm - -70 dBm -	30 dB SW 100 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	set 10.04 dB T 132.7 μs	RBW 100 kHz	Mode Aut M1[1] M2[1] M1 M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]	o FFT	Serdyabray Se	5.7	-7.05 dt -70.55 dt -10.55 dt /374200 G

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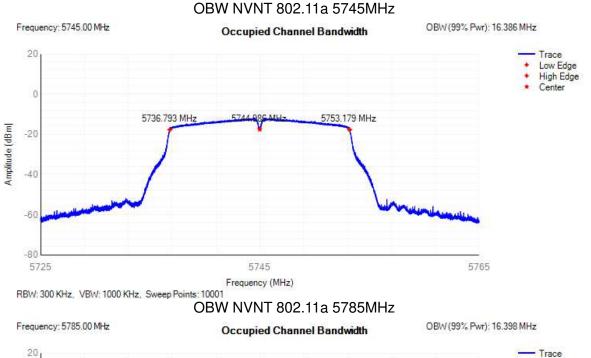


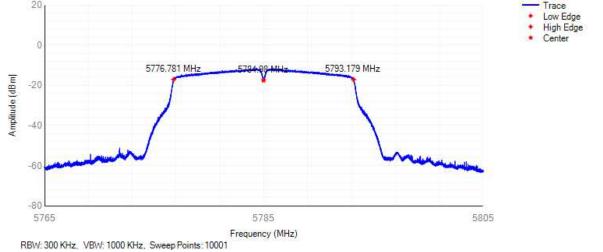
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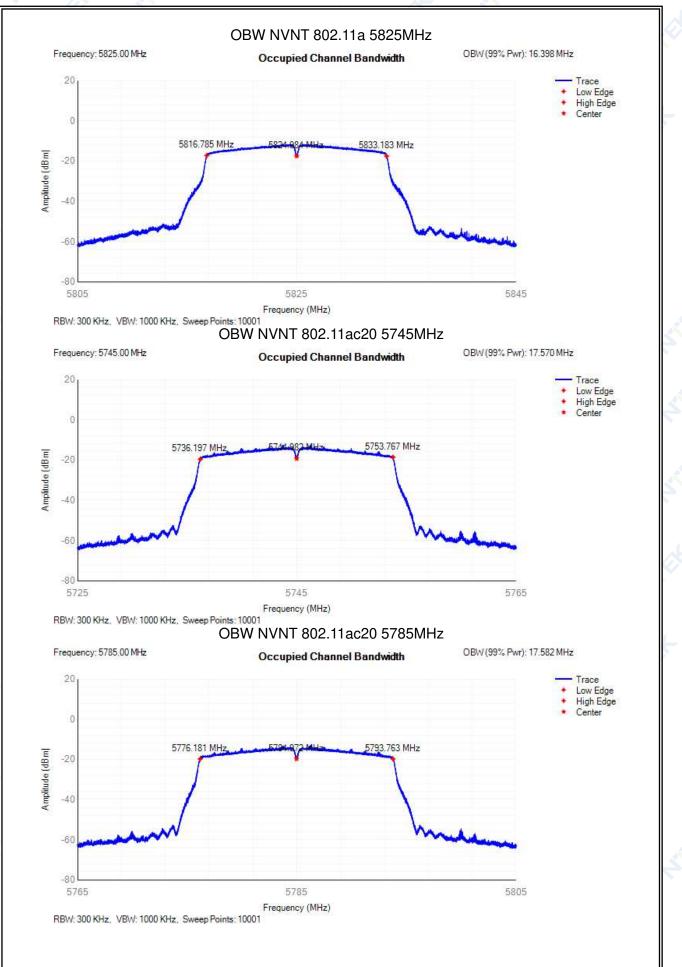
10.3 OCCUPIED CHANNEL BANDWIDTH

ED OHANNEL DA						
Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Limit (MHz)	Upper Limit(MHz)	Verdict
802.11a	5745	5744.986	16.386	16	20	Pass
802.11a	5785	5784.98	16.398	16	20	Pass
802.11a	5825	5824.984	16.398	16	20	Pass
802.11ac20	5745	5744.982	17.57	16	20	Pass
802.11ac20	5785	5784.972	17.582	16	20	Pass
802.11ac20	5825	5824.982	17.586	16	20	Pass
802.11ac40	5755	5754.96	35.804	32	40	Pass
802.11ac40	5795	5794.968	35.996	32	40	Pass
802.11ac80	5775	5774.992	75.336	64	80	Pass
802.11n(HT20)	5745	5744.984	17.582	16	20	Pass
802.11n(HT20)	5785	5784.978	17.594	16	20	Pass
802.11n(HT20)	5825	5824.982	17.586	16	20	Pass
802.11n(HT40)	5755	5754.968	35.836	32	40	Pass
802.11n(HT40)	5795	5794.964	36.02	32	40	Pass
	Mode 802.11a 802.11a 802.11a 802.11ac20 802.11ac20 802.11ac20 802.11ac40 802.11ac40 802.11ac40 802.11ac80 802.11n(HT20) 802.11n(HT20) 802.11n(HT20) 802.11n(HT40)	Mode (MHz) 802.11a 5745 802.11a 5785 802.11a 5825 802.11ac20 5745 802.11ac20 5745 802.11ac20 5785 802.11ac20 5785 802.11ac20 5785 802.11ac20 5785 802.11ac40 5755 802.11ac40 5795 802.11ac40 5795 802.11ac40 5795 802.11ac40 5795 802.11ac40 5775 802.11ac40 5775 802.11n(HT20) 5745 802.11n(HT20) 5785 802.11n(HT20) 5825 802.11n(HT20) 5825 802.11n(HT40) 5755	ModeFrequency (MHz)Center Frequency (MHz)802.11a57455744.986802.11a57855784.98802.11a58255824.984802.11ac2057455744.982802.11ac2057455744.982802.11ac2057855784.972802.11ac2058255824.984802.11ac2057855784.972802.11ac2057855754.96802.11ac4057555754.96802.11ac4057955794.968802.11ac8057755774.992802.11n(HT20)57855784.978802.11n(HT20)57855784.978802.11n(HT20)57855784.984802.11n(HT20)57855784.978802.11n(HT20)57855784.978802.11n(HT20)57855784.978802.11n(HT20)57855784.978802.11n(HT20)57855784.978802.11n(HT40)57555754.968	ModeFrequency (MHz)Center Frequency (MHz)OBW (MHz)802.11a57455744.98616.386802.11a57855784.9816.398802.11a58255824.98416.398802.11ac2057455744.98217.57802.11ac2057855784.97217.582802.11ac2057855784.97217.582802.11ac2058255824.98217.586802.11ac2057555754.9635.804802.11ac4057555754.9635.996802.11ac4057555774.99275.336802.11ac4057755774.99275.336802.11ac4057755774.99275.336802.11n(HT20)57855784.97817.594802.11n(HT20)57855824.98217.586802.11n(HT20)57855784.97817.594802.11n(HT20)57855754.96835.836802.11n(HT20)57555754.96835.836	ModeFrequency (MHz)Center Frequency (MHz)OBW (MHz)Lower Limit (MHz) $802.11a$ 5745 5744.986 16.386 16 $802.11a$ 5785 5784.98 16.398 16 $802.11a$ 5825 5824.984 16.398 16 $802.11a$ 5825 5744.982 17.57 16 $802.11ac20$ 5745 5744.982 17.57 16 $802.11ac20$ 5785 5784.972 17.582 16 $802.11ac20$ 5825 5824.982 17.586 16 $802.11ac20$ 5825 5754.96 35.804 32 $802.11ac40$ 5755 5774.968 35.996 32 $802.11ac40$ 5775 5774.992 75.336 64 $802.11n(HT20)$ 5745 5784.978 17.582 16 $802.11n(HT20)$ 5785 5784.978 17.594 16 $802.11n(HT20)$ 5785 5784.982 17.586 16 $802.11n(HT20)$ 5785 5784.982 17.586 16 $802.11n(HT20)$ 5785 5784.982 17.586 16 $802.11n(HT20)$ 5755 5754.968 35.836 32	ModeFrequency (MHz)Center Frequency (MHz)OBW (MHz)Lower Limit (MHz)Upper Limit(MHz)802.11a57455744.98616.3861620802.11a57855784.9816.3981620802.11a58255824.98416.3981620802.11a58255824.98416.3981620802.11ac2057455744.98217.571620802.11ac2057855784.97217.5821620802.11ac2058255824.98217.5861620802.11ac4057555754.9635.8043240802.11ac4057955794.96835.9963240802.11ac4057955774.99275.3366480802.11ac4057755774.99275.3366480802.11n(HT20)57855784.97817.5941620802.11n(HT20)58255824.98217.5861620802.11n(HT20)57855784.97817.5941620802.11n(HT20)58255824.98217.5861620802.11n(HT20)57555754.96835.8363240

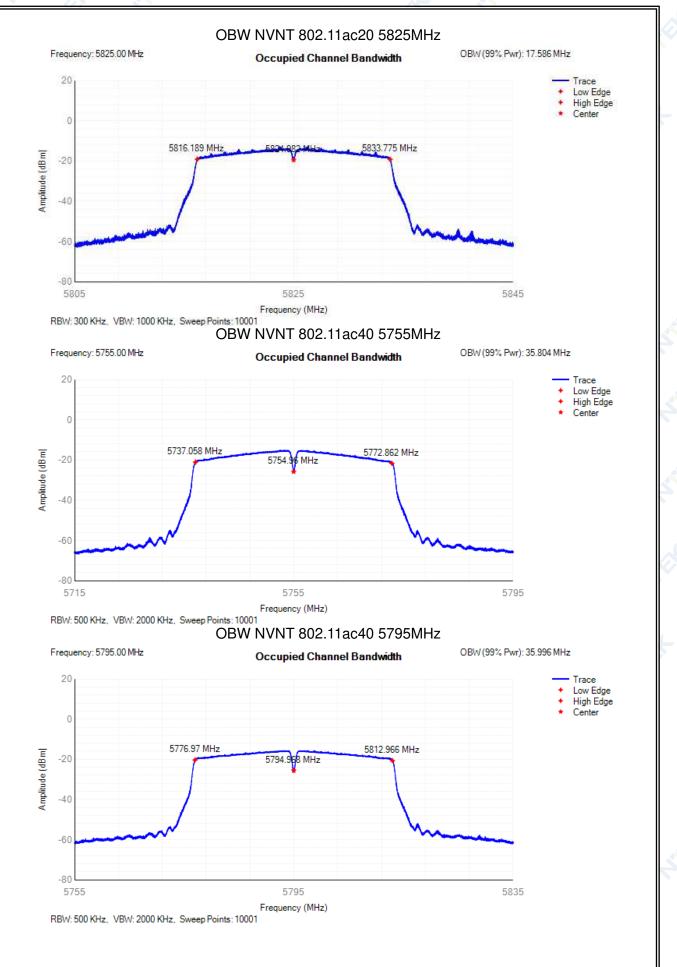




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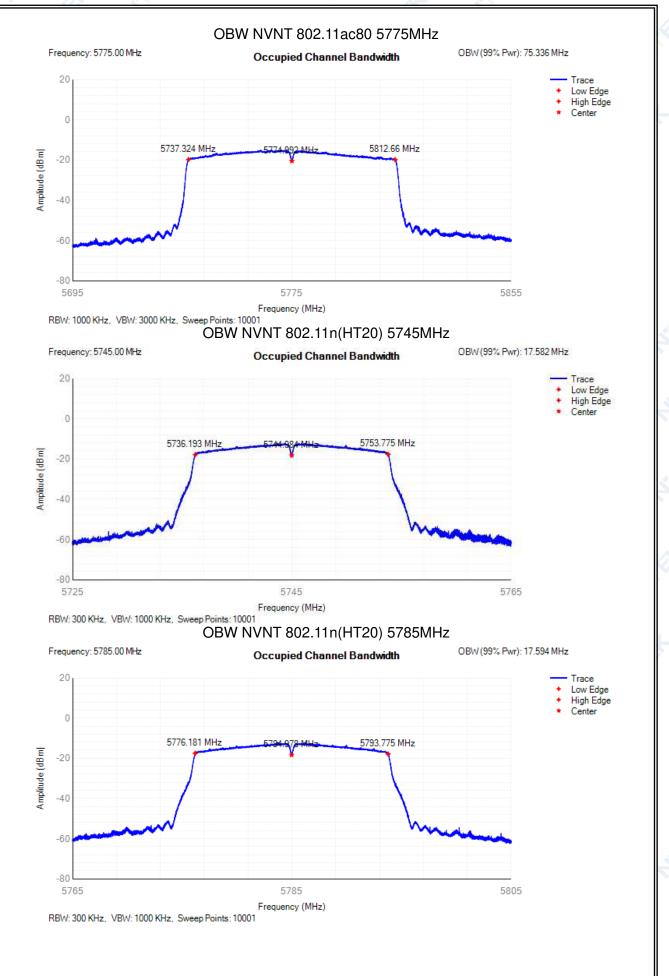


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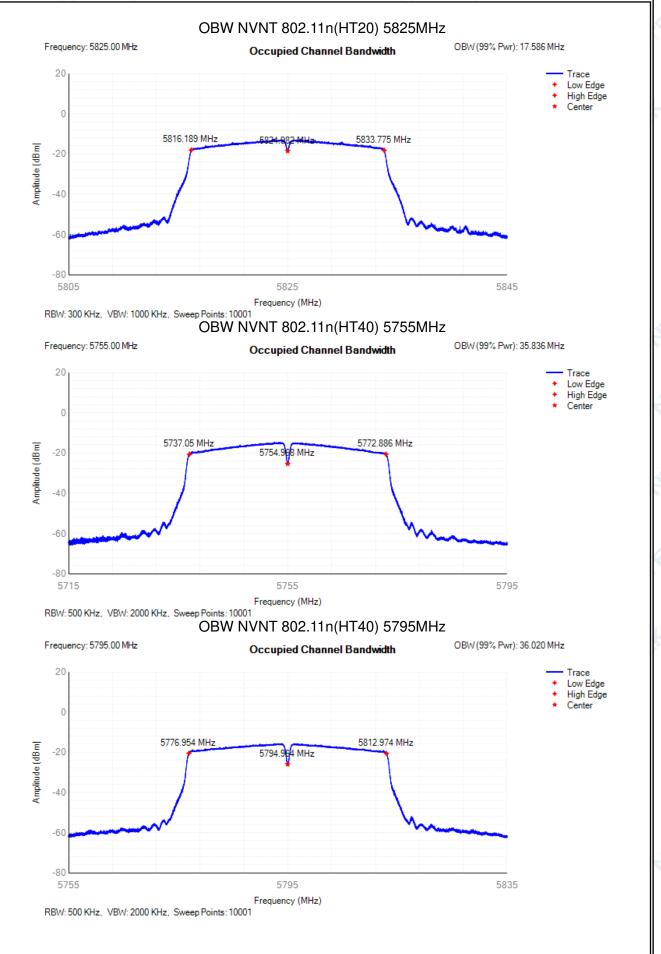


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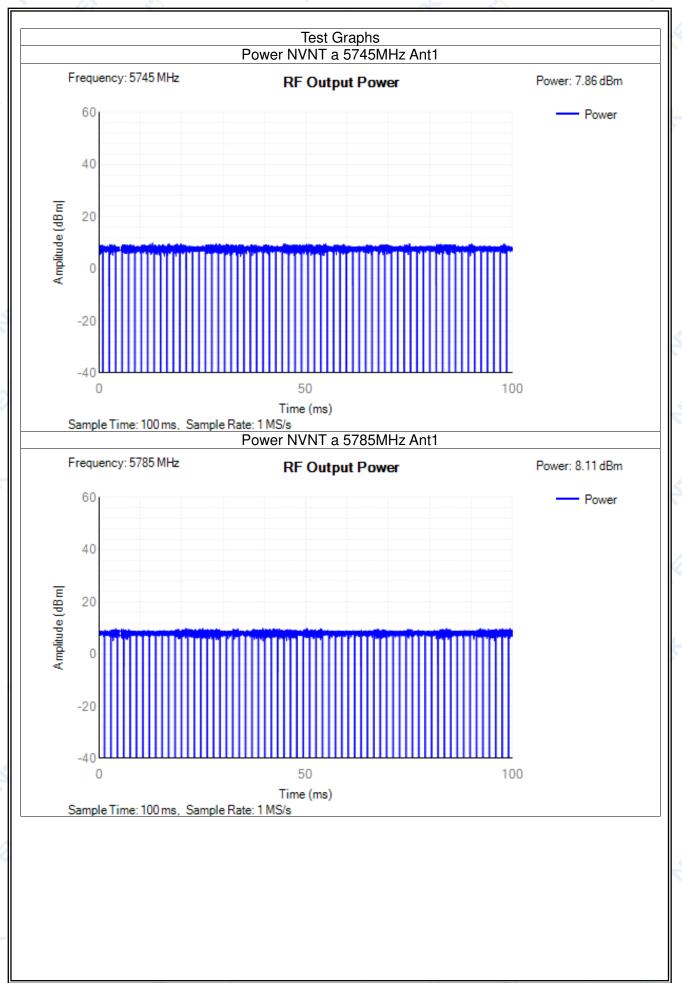
10.4 RF OUTPUT POWER

0.4 NF		UTPOW	LN	Marr				
Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	а	5745	Ant1	7.86	65	8.43	13.98	Pass
NVNT	а	5785	Ant1	8.11	65	8.68	13.98	Pass
NVNT	а	5825	Ant1	7.1	66	7.67	13.98	Pass
NVNT	n20	5745	Ant1	7.83	76	8.4	13.98	Pass
NVNT	n20	5785	Ant1	8	75	8.57	13.98	Pass
NVNT	n20	5825	Ant1	7.08	76	7.65	13.98	Pass
NVNT	n40	5755	Ant1	8.32	134	8.89	13.98	Pass
NVNT	n40	5795	Ant1	8.07	134	8.64	13.98	Pass
NVNT	ac20	5745	Ant1	7.78	76	8.35	13.98	Pass
NVNT	ac20	5785	Ant1	7.92	75	8.49	13.98	Pass
NVNT	ac20	5825	Ant1	6.99	75	7.56	13.98	Pass
NVNT	ac40	5755	Ant1	7.51	134	8.08	13.98	Pass
NVNT	ac40	5795	Ant1	7.3	134	7.87	13.98	Pass
NVNT	ac80	5775	Ant1	7.58	221	8.15	13.98	Pass
LVLT	а	5745	Ant1	7.80	65	8.37	13.98	Pass
LVLT	а	5785	Ant1	8.06	65	8.63	13.98	Pass
LVLT	а	5825	Ant1	7.08	66	7.65	13.98	Pass
LVLT	n20	5745	Ant1	7.76	76	8.33	13.98	Pass
LVLT	n20	5785	Ant1	7.90	75	8.47	13.98	Pass
LVLT	n20	5825	Ant1	7.02	76	7.59	13.98	Pass
LVLT	n40	5755	Ant1	8.25	134	8.82	13.98	Pass
LVLT	n40	5795	Ant1	8.05	134	8.62	13.98	Pass
LVLT	ac20	5745	Ant1	7.71	76	8.28	13.98	Pass
LVLT	ac20	5785	Ant1	7.88	75	8.45	13.98	Pass
LVLT	ac20	5825	Ant1	6.90	75	7.47	13.98	Pass
LVLT	ac40	5755	Ant1	7.50	134	8.07	13.98	Pass
LVLT	ac40	5795	Ant1	7.29	134	7.86	13.98	Pass
LVLT	ac80	5775	Ant1	7.57	221	8.14	13.98	Pass
LVHT	а	5745	Ant1	7.69	65	8.26	13.98	Pass
LVHT	а	5785	Ant1	8.04	65	8.61	13.98	Pass
LVHT	а	5825	Ant1	6.91	66	7.48	13.98	Pass
LVHT	n20	5745	Ant1	7.74	76	8.31	13.98	Pass
LVHT	n20	5785	Ant1	7.89	75	8.46	13.98	Pass
LVHT	n20	5825	Ant1	6.88	76	7.45	13.98	Pass
LVHT	n40	5755	Ant1	8.20	134	8.77	13.98	Pass
LVHT	n40	5795	Ant1	8.02	134	8.59	13.98	Pass
LVHT	ac20	5745	Ant1	7.73	76	8.30	13.98	Pass
LVHT	ac20	5785	Ant1	7.78	75	8.35	13.98	Pass
LVHT	ac20 ac20	5825	Ant1	6.91	75	7.48	13.98	Pass
LVHT	ac20 ac40	5755	Ant1	7.47	134	8.04	13.98	Pass
LVHT	ac40 ac40	5795	Ant1	7.25	134	7.82	13.98	Pass
LVHT	ac40 ac80	5795	Ant1	7.43	221	8.00	13.98	Pass
	2000	5115	7000	UT. 1		0.00	10.00	1 433

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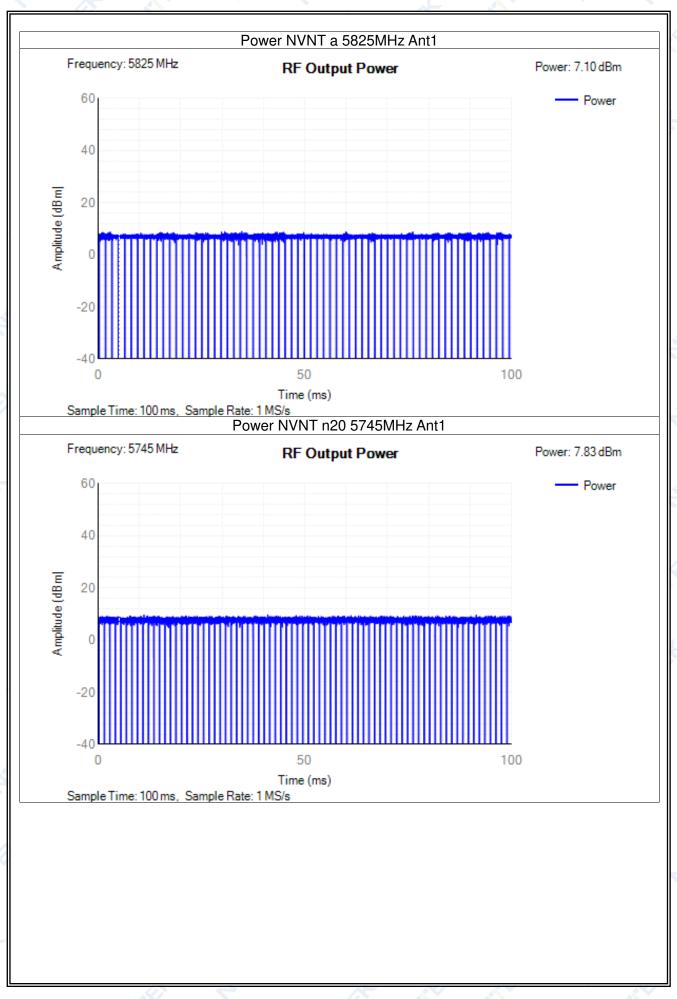
HVHT	а	5745	Ant1	7.80	65	8.37	13.98	Pass
HVHT	а	5785	Ant1	7.91	65	8.48	13.98	Pass
HVHT	а	5825	Ant1	7.09	66	7.66	13.98	Pass
HVHT	n20	5745	Ant1	7.81	76	8.38	13.98	Pass
HVHT	n20	5785	Ant1	8.00	75	8.57	13.98	Pass
HVHT	n20	5825	Ant1	7.04	76	7.61	13.98	Pass
HVHT	n40	5755	Ant1	8.27	134	8.84	13.98	Pass
HVHT	n40	5795	Ant1	7.99	134	8.56	13.98	Pass
HVHT	ac20	5745	Ant1	7.60	76	8.17	13.98	Pass
HVHT	ac20	5785	Ant1	7.88	75	8.45	13.98	Pass
HVHT	ac20	5825	Ant1	6.84	75	7.41	13.98	Pass
HVHT	ac40	5755	Ant1	7.32	134	7.89	13.98	Pass
HVHT	ac40	5795	Ant1	7.18	134	7.75	13.98	Pass
HVHT	ac80	5775	Ant1	7.41	221	7.98	13.98	Pass
HVLT	а	5745	Ant1	7.75	65	8.32	13.98	Pass
HVLT	а	5785	Ant1	8.08	65	8.65	13.98	Pass
HVLT	а	5825	Ant1	6.93	66	7.50	13.98	Pass
HVLT	n20	5745	Ant1	7.82	76	8.39	13.98	Pass
HVLT	n20	5785	Ant1	7.86	75	8.43	13.98	Pass
HVLT	n20	5825	Ant1	7.00	76	7.57	13.98	Pass
HVLT	n40	5755	Ant1	8.23	134	8.80	13.98	Pass
HVLT	n40	5795	Ant1	8.01	134	8.58	13.98	Pass
HVLT	ac20	5745	Ant1	7.63	76	8.20	13.98	Pass
HVLT	ac20	5785	Ant1	7.87	75	8.44	13.98	Pass
HVLT	ac20	5825	Ant1	6.88	75	7.45	13.98	Pass
HVLT	ac40	5755	Ant1	7.49	134	8.06	13.98	Pass
HVLT	ac40	5795	Ant1	7.15	134	7.72	13.98	Pass
HVLT	ac80	5775	Ant1	7.45	221	8.02	13.98	Pass

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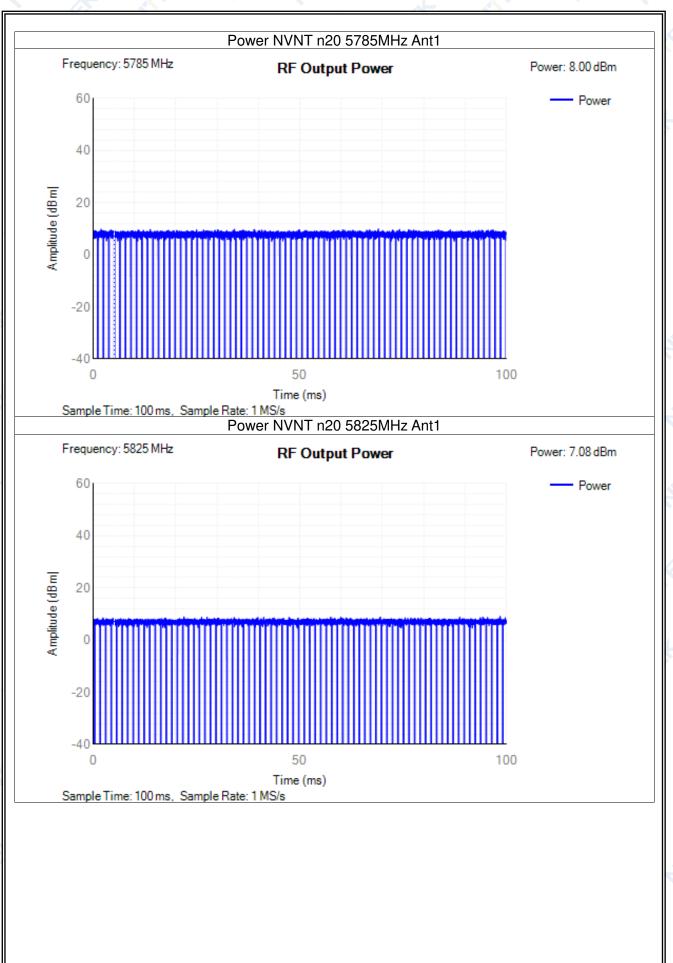


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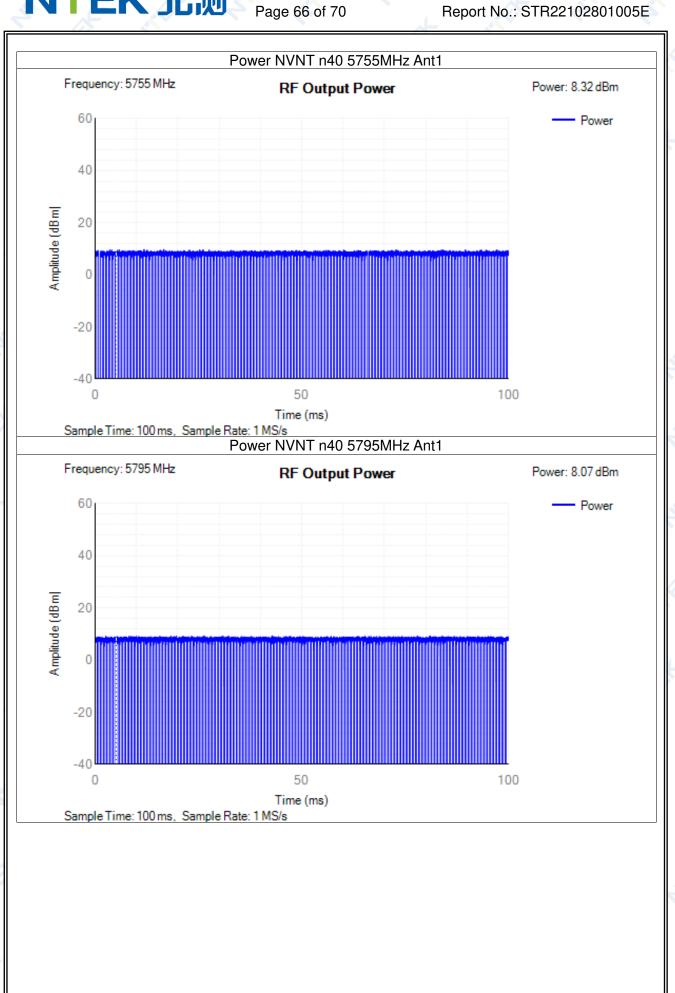


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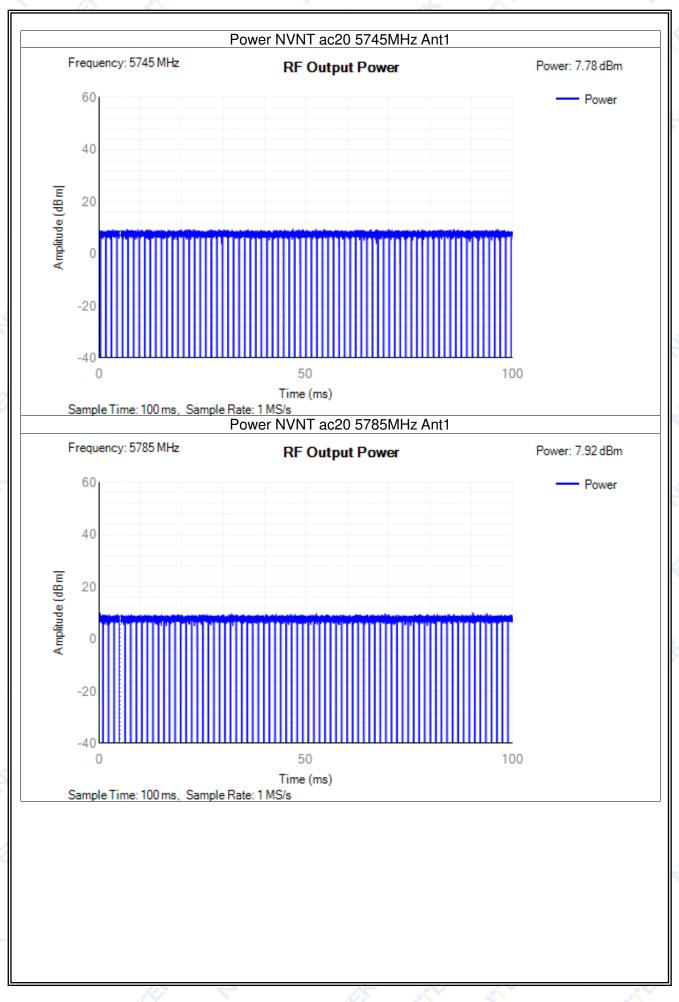
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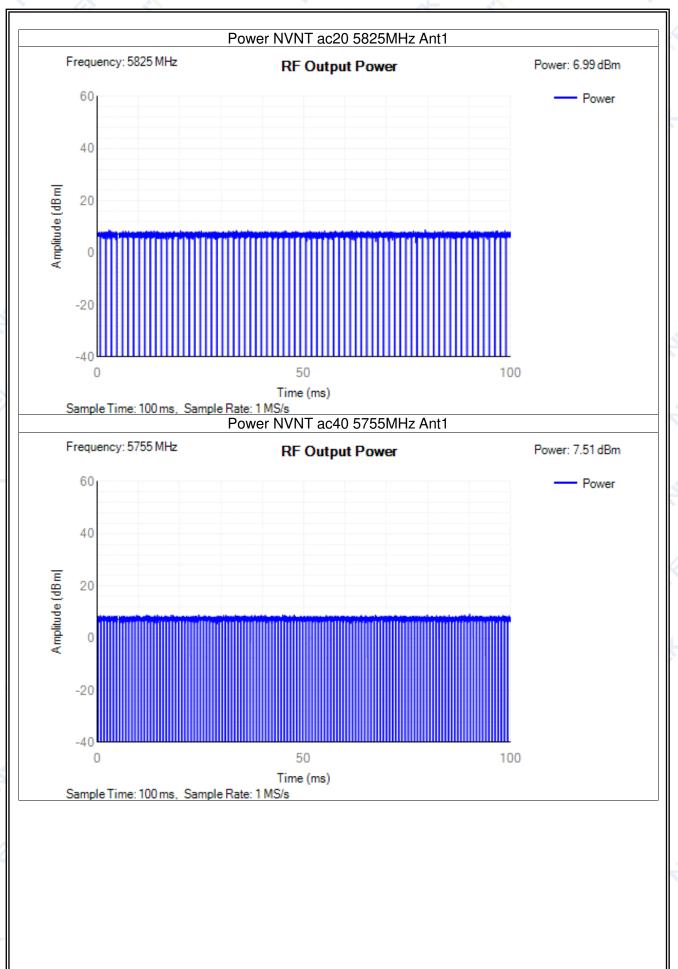


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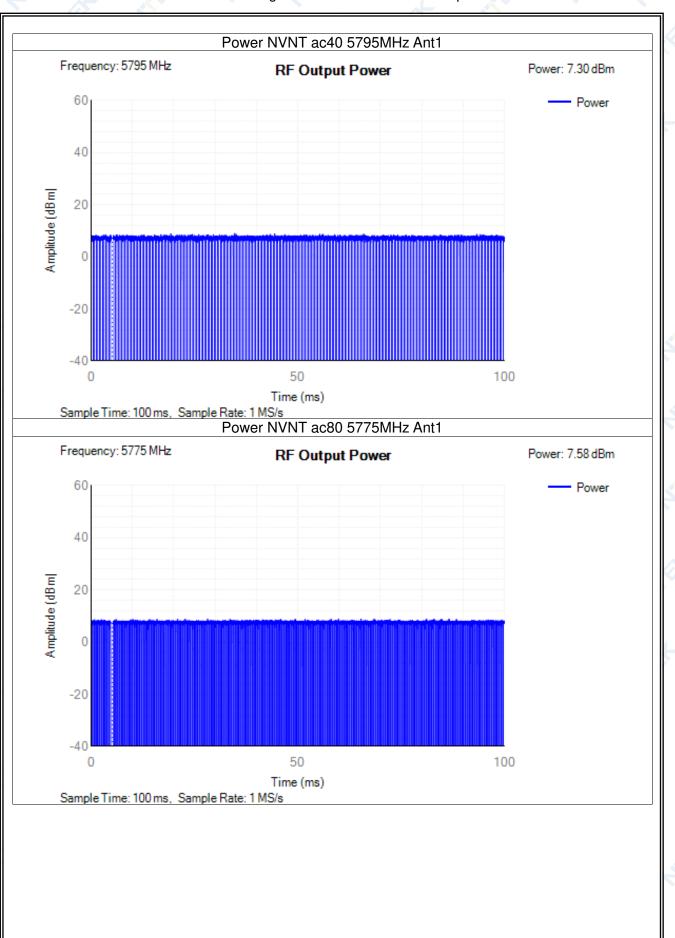
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11. EUT TEST PHOTO

SPURIOUS EMISSIONS MEASUREMENT PHOTOS





END OF REPORT