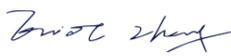


Prüfbericht-Nr.: <i>Test Report No.:</i>	50284810 001	Auftrags-Nr.: <i>Order No.:</i>	244152843	Seite 1 von 30 <i>Page 1 of 30</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	244022658	Auftragsdatum: <i>Order date:</i>	24.06.2019	
Auftraggeber: <i>Client:</i>	Lumi United Technology Co., Ltd. F8, Jingqizhigu office building, No. 1 Tangling Rd., Liuxian Ave., Taoyuan Sub-dist., Nanshan Dist., Shenzhen, P.R. China			
Prüfgegenstand: <i>Test item:</i>	Smart Plug			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	SP-EUC01			
Auftrags-Inhalt: <i>Order content:</i>	Certificate of Conformity Approval (AK) for RED Directive			
Prüfgrundlage: <i>Test specification:</i>	EN 300 328 V2.1.1:2016	EN IEC 61058-1:2018		
	EN 301 489-1 V2.1.1:2017	EN 61058-1-1:2016		
	EN 301 489-17 V3.1.1:2017	EN 62479:2010		
Wareneingangsdatum: <i>Date of receipt:</i>	24.06.2019			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000951375-001~002			
Prüfzeitraum: <i>Testing period:</i>	Refer to test report			
Ort der Prüfung: <i>Place of testing:</i>	MRT Technology (Suzhou) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
				
04.09.2019	Elliot Zhang / PE	04.09.2019	Hongfei Wu / Reviewer	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other				
<i>This report only includes the results of EN 300 328 V2.1.1:2016 and EN 62479:2010, other requirements of RED 2014/53/EU, please refer to clause 6 of this report.</i>				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend
	5 = mangelhaft			
	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient
	5 = poor			
	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.				
<i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

v04

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TEST SUMMARY

5.1.1 RF OUTPUT POWER

RESULT: PASS

5.1.2 POWER SPECTRAL DENSITY

RESULT: PASS

5.1.3 DUTY CYCLE, TX-SEQUENCE, TX-GAP

RESULT: PASS

5.1.4 MEDIUM UTILISATION FACTOR

RESULT: PASS

5.1.5 ADAPTIVITY

RESULT: N/A

5.1.6 OCCUPIED CHANNEL BANDWIDTH

RESULT: PASS

5.1.7 TRANSMITTER UNWANTED EMISSIONS IN THE OOB DOMAIN

RESULT: PASS

5.1.8 TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN

RESULT: PASS

5.2.1 RECEIVER SPURIOUS EMISSIONS

RESULT: PASS

5.2.2 RECEIVER BLOCKING

RESULT: PASS

6.1.1 ELECTRICAL SAFETY REQUIREMENT

RESULT: PASS

6.1.2 HUMAN EXPOSURE TO EM FIELDS

RESULT: PASS

6.2.1 ELECTROMAGNETIC COMPATIBILITY REQUIREMENT

RESULT: PASS

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1. General Remarks

1.1 Complementary Materials

Null.

1.2 Test Specifications

The following standards were applied.

Table 1: Applied Standard and Test Levels

Radio
EN 300 328 V2.1.1:2016
Health
EN 62479:2010

2. Test Sites

2.1 Test Facilities

MRT Technology (Suzhou) Co., Ltd.
D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China

The used test equipment is in accordance with CISPR 16-1 series standards for measurement of radio interference.

MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.

2.2 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

RF Output Power

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
Power Meter	Agilent	U2021XA	MRTSUE06030	16.11.2019
Programmable Temperature & Humidity Chamber	BAOYT	BYH-1500L	MRTSUE06051	16.11.2019
Thermohygrometer	Testo	608-H1	MRTSUE06401	08.08.2020

Power Spectral Density

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9020A	MRTSUE06106	15.04.2020
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	11.07.2020
Thermohygrometer	Testo	608-H1	MRTSUE06401	08.08.2020

Occupied Channel Bandwidth

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9020A	MRTSUE06106	15.04.2020

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EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	11.07.2020
Thermohygrometer	Testo	608-H1	MRTSUE06401	08.08.2020

Transmitter Unwanted Emissions in the OOB Domain

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
Vector Signal Generator	Agilent	E4438C	MRTSUE06026	16.11.2019
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	11.07.2020
Thermohygrometer	Testo	608-H1	MRTSUE06401	08.08.2020

Transmitter Spurious Emissions and Receiver Spurious Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	01.08.2020
PXA Signal Analyzer	Keysight	N9030B	MRTSUE06395	25.09.2019
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	16.11.2019
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	11.06.2020
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	30.03.2020
Broad Band Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06023	19.10.2019
Thermohygrometer	Testo	608-H1	MRTSUE06403	08.08.2020
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	30.04.2020

Receiver Blocking

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
Vector Signal Generator	Agilent	E4438C	MRTSUE06026	16.11.2019
Spectrum Analyzer	Agilent	N9020A	MRTSUE06106	15.04.2020
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06457	18.07.2020
Directional Coupler	Narda	4216-20	MRTSUE06065	26.03.2020
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	16.11.2019
Power Splitter	Mini-Circuits	ZFRSC-123-S+	MRTSUE06122	N/A
Thermohygrometer	Testo	608-H1	MRTSUE06402	08.08.2020

2.3 Measurement Uncertainty

Table 3: Emission Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	± 5 %
RF output power, conducted	± 1.5 dB
Power Spectral Density, conducted	± 3 dB
Unwanted Emissions, conducted	± 3 dB
All emissions, radiated	± 6 dB
Temperature	± 3 °C
Supply voltages	± 3 %
Time	± 5 %

3. General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is a smart plug which support Zigbee.

For details refer to the User Manual, Circuit Diagram and clause 3.2 of this report.

The aim of this report is to evaluate the Zigbee RF characteristics of the EUT.

3.2 System Details

Table 4: Technical Specification of EUT

General Description of EUT	
Product Name:	Smart Plug
Model No.:	SP-EUC01
Rated Voltage:	250V AC, 50/60 Hz , 10 A, MAX. 2300 W
Extreme operating temperature:	0~35°C
Technical Specification of Zigbee	
Frequency Range:	2405~2480MHz
Modulation Type:	OQPSK
Antenna Type:	Internal antenna
Antenna Gain:	3 dBi
Receiver Category:	2
Adaptivity:	Non-adaptivity device

3.3 Independent Operation Modes

Table 5: Independent Operation Modes

Test Mode			Channel Number	Channel Frequency [MHz]
Tx	Rx	Normal		
TM1	TM4	TM7	11	2405
TM2	TM5	TM8	18	2440
TM3	TM6	TM9	26	2480

Note: The EUT was set into continuous transmitting or receiving mode in Tx or Rx mode.

Table 6: Power Parameter Setting Value

Channel Number	Channel Frequency [MHz]	Power Parameter Setting Value
11	2405	6
18	2440	6
26	2480	6

3.4 Noise Suppressing Parts

Refer to schematics.

4. Test Set-up and Operation Modes

4.1 Test Methodology

Radio: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Physical Configuration for Testing

The EUT was designed to get into related working mode with the control of computer.
Notes:

For antenna conducted measurements, the antenna was replaced by a 50Ω antenna connector.

For antenna radiated measurements, the associated cables and computer were removed.

For more details, refer to section: Photographs of the Test Set-Up.

4.3 Test Operation and Test Software

Null.

4.4 Special Accessories and Auxiliary Equipment

Null.

4.5 Countermeasures to achieve EMC Compliance

Null.

5. Test Results RADIO

5.1 Transmitter Parameters

5.1.1 RF output power

RESULT:

PASS

Date of testing : 31.07.2019
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa
 Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.2
 Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.2.2
 Normal test voltage : AC 250V, 50Hz
 Low test temperature : 0°C
 Normal test temperature : 25°C
 High test temperature : 35°C
 Test modes applied : TM1 to TM3

Table 7: RF output power, Normal Temperature

Temp. [□]	Test Mode	Ch. No.	Freq. [MHz]	Pburst [dBm]	Antenna Gain [dBi]	E.I.R.P [dBm]	Limit [dBm]
25	TM1	11	2405	6.60	3	9.60	20.00
	TM2	18	2440	6.62	3	9.62	20.00
	TM3	26	2480	6.72	3	9.72	20.00

Note:

$E.I.R.P = P_{burst} + Antenna\ Gain.$

P_{burst} : The highest burst power value measured in observant duration.

Table 8: RF output power, Extreme Low Temperature

Temp. [□]	Test Mode	Ch. No.	Freq. [MHz]	Pburst [dBm]	Antenna Gain [dBi]	E.I.R.P [dBm]	Limit [dBm]
0	TM1	11	2405	6.75	3	9.75	20.00
	TM2	18	2440	6.79	3	9.79	20.00
	TM3	26	2480	6.90	3	9.90	20.00

Note:

$E.I.R.P = P_{burst} + \text{Antenna Gain}$.

P_{burst} : The highest burst power value measured in observant duration.

Table 9: RF output power, Extreme High Temperature

Temp. [□]	Test Mode	Ch. No.	Freq. [MHz]	Pburst [dBm]	Antenna Gain [dBi]	E.I.R.P [dBm]	Limit [dBm]
40	TM1	11	2405	6.61	3	9.61	20.00
	TM2	18	2440	6.65	3	9.65	20.00
	TM3	26	2480	6.80	3	9.80	20.00

Note:

$E.I.R.P = P_{burst} + \text{Antenna Gain}$.

P_{burst} : The highest burst power value measured in observant duration.

5.1.2 Power Spectral Density

RESULT:

PASS

Date of testing : 31.07.2019
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa
Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.3
Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.3.2
Normal test voltage : AC 250V, 50Hz
Test modes applied : TM1 to TM3

Table 10: Power spectral density

Test Mode	Ch. No.	Freq. [MHz]	Total PSD [dBm/MHz]	Limit [dBm/MHz]
TM1	11	2405	8.40	10.00
TM2	18	2440	8.35	10.00
TM3	26	2480	8.45	10.00

5.1.3 Duty Cycle, Tx-sequence, Tx-gap

RESULT:

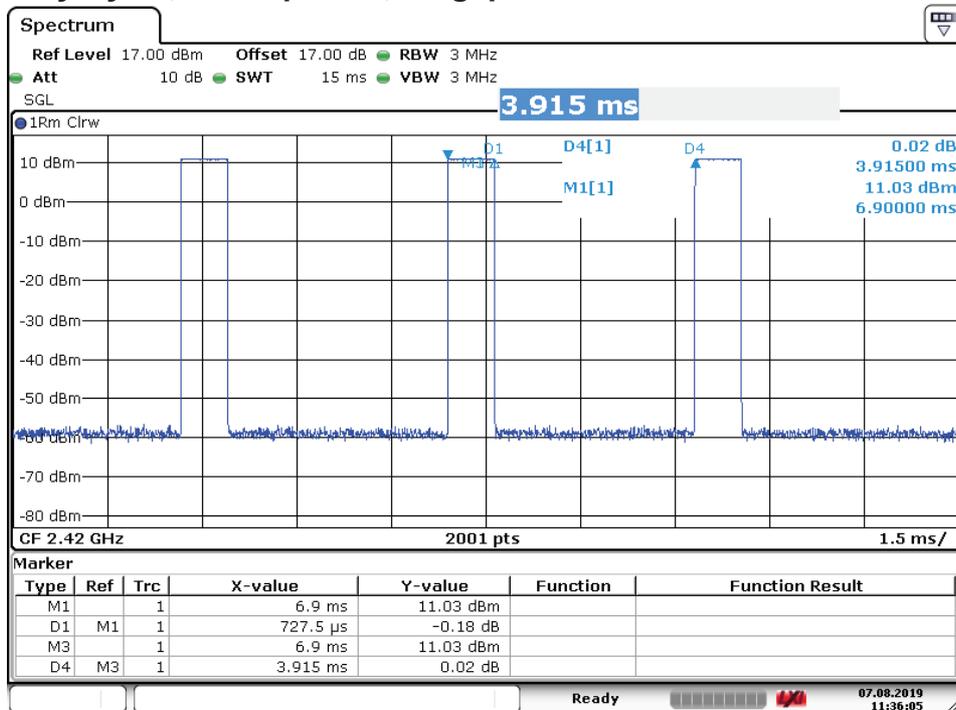
PASS

Date of testing : 07.08.2019
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa
 Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.4
 Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.2.2.1.4
 Normal test voltage : AC 250V, 50Hz

Table 11: Duty Cycle, Tx-sequence, Tx-gap

	Value	Limit	Result
Tx-sequence	727.5us	≤10ms	Pass
Tx-gap	3.915ms	≥3.5ms	Pass
Duty Cycle	15.67%	≤ maximum value declared by the manufacturer	Pass

Figure 1: Duty Cycle, Tx-sequence, Tx-gap



5.1.4 Medium Utilisation Factor

RESULT:

PASS

Date of testing : 07.08.2019
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa
Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.5
Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.2.2.1.4
Normal test voltage : AC 250V, 50Hz

Table 12: Medium Utilisation Factor

MU Value	Limit	Result
1.53%	≤ 10%	Pass

Note:

$$MU = (P/100mW) * DC$$

Where:

MU is Medium Utilization

P is the RF output power expressed in mW

DC is the Duty Cycle expressed in %

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5.1.5 Adaptivity

RESULT:

N/A

Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.6

Note:

This requirement does not apply to non-adaptive equipment or adaptive equipment operating in a non-adaptive mode providing the equipment complies with the requirements and/or restrictions applicable to non-adaptive equipment.

In addition, this requirement does not apply for equipment with a maximum declared RF Output power level of less than 10dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

Therefore, this measurement is not required.

5.1.6 Occupied Channel Bandwidth

RESULT:

PASS

Date of testing : 31.07.2019
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa
Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.7
Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.7.2
Normal test voltage : AC 250V, 50Hz
Test modes applied : TM1, TM3

Table 13: Occupied channel bandwidth

Test Mode	Frequency [MHz]	99% Bandwidth [MHz]	Verdict
TM1	2405	2.0682	PASS
TM3	2480	2.0807	PASS

Note:

The Occupied Channel Bandwidth for each frequency fall completely within the band given in clause 1 '2.4 GHz to 2.4835 GHz'.

Figure 2: Occupied Channel Bandwidth, TM1

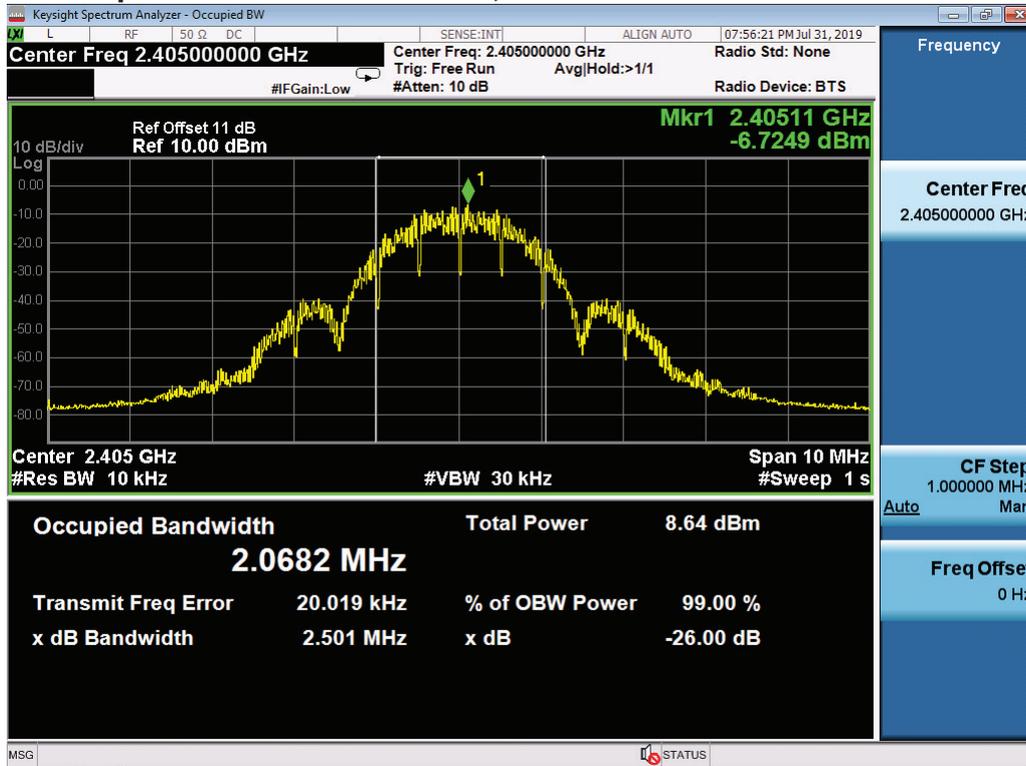
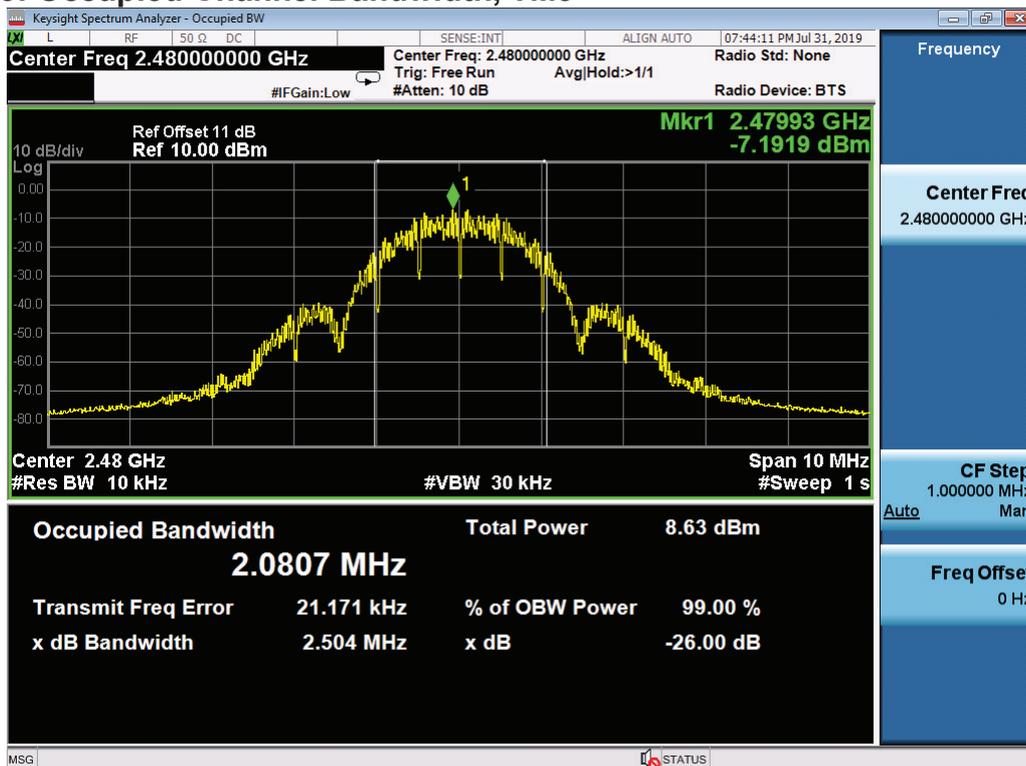


Figure 3: Occupied Channel Bandwidth, TM3



5.1.7 Transmitter unwanted emissions in the OOB domain

RESULT:

PASS

Date of testing : 31.07.2019
 Ambient temperature : 25°C
 Relative humidity : 54%
 Atmospheric pressure : 101kPa
 Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.8
 Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.8.2
 Normal test voltage : AC 250V, 50Hz
 Test modes applied : TM1, TM3

Table 14: Transmitter unwanted emissions in the OOB domain

Mode	Domain	Reading Values [dBm/MHz]	Gain [dBi]	Max measured Values [dBm/MHz]	Limit [dBm/MHz]
TM1	2400-2BW ~ 2400-BW	-63.46	3	-60.46	-20
	2400-BW ~ 2400	-59.30		-56.30	-10
TM3	2483.5 ~ 2483.5+BW	-55.92		-52.92	-10
	2483.5+BW ~ 2483.5+2BW	-61.68		-58.68	-20

Note:

Max measured Values = Reading Values + Antenna gain

5.1.8 Transmitter unwanted emissions in the spurious domain

RESULT:

PASS

Date of testing : 01.08.2019
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa
 Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.9
 Test procedure : EN 300 328 V2.1.1:2016, clause 5.3.9.2
 Normal test voltage : AC 250V, 50Hz
 Test modes applied : TM1, TM3

Table 15: Transmitter unwanted emissions in the spurious domain

Mode	Freq. [MHz]	Measure Level [dBm]	Reading Level [dBm]	Over Limit [dB]	Limit [dBm]	Correct Factor [dB]	Detector Type	Pol.
TM1	45.520	-63.885	-91.506	-27.885	-36	27.621	PK	H
	202.180	-63.558	-90.360	-9.558	-54	26.802	RMS	
	4812.875	-53.201	-70.136	-23.201	-30	16.935	PK	
	V	50.855	-64.052	-88.724	-10.052	-54	24.672	PK
		95.960	-62.561	-95.935	-8.561	-54	33.374	PK
		4812.875	-51.418	-68.808	-21.418	-30	17.390	PK
		7421.375	-50.930	-75.037	-20.930	-30	24.107	PK
TM3	49.885	-68.071	-93.995	-14.071	-54	25.924	PK	H
	200.255	-66.479	-92.670	-12.479	-54	26.191	RMS	
	5089.000	-54.494	-72.644	-24.494	-30	18.150	PK	
	7656.375	-49.975	-73.228	-19.975	-30	23.253	PK	
	V	95.960	-61.617	-94.991	-7.617	-54	33.374	PK
		107.600	-62.773	-92.477	-8.773	-54	29.704	PK
		4501.500	-52.832	-69.332	-22.832	-30	16.500	PK
		6175.875	-51.403	-72.120	-21.403	-30	20.717	PK

5.2 Receiver Parameters

5.2.1 Receiver Spurious Emissions

RESULT:

PASS

Date of testing : 01.08.2019
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa
 Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.10
 Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.10.2
 Normal test voltage : AC 250V, 50Hz
 Test modes applied : TM4, TM6

Table 16: Receiver Spurious Emissions

Mode	Freq. [MHz]	Measure Level [dBm]	Reading Level [dBm]	Over Limit [dB]	Limit [dBm]	Correct Factor [dB]	Detector Type	Pol.
TM4	133.024	-69.999	-86.370	-12.999	-57	16.371	RMS	H
	202.850	-66.859	-93.640	-9.859	-57	26.781	RMS	
	5077.250	-53.641	-71.846	-6.641	-47	18.205	PK	
	6193.500	-53.596	-72.925	-6.596	-47	19.329	PK	
	70.025	-70.981	-91.305	-13.981	-57	20.324	RMS	V
	95.850	-65.444	-99.014	-8.444	-57	33.570	RMS	
	5106.625	-53.482	-71.381	-6.482	-47	17.899	PK	
6193.500	-53.596	-74.026	-6.596	-47	20.430	PK		
TM6	120.275	-70.411	-87.690	-13.411	-57	17.279	RMS	H
	200.750	-64.858	-91.560	-7.858	-57	26.702	RMS	
	5000.875	-53.469	-70.814	-6.469	-47	17.345	PK	
	6616.500	-52.036	-72.677	-5.036	-47	20.641	PK	
	74.250	-67.830	-88.036	-10.830	-57	20.206	RMS	V
	95.975	-65.678	-99.025	-8.678	-57	33.347	RMS	
	4807.000	-53.066	-70.514	-6.066	-47	17.448	PK	
	5406.250	-54.520	-72.361	-7.520	-47	17.841	PK	

5.2.2 Receiver Blocking

RESULT:

PASS

Date of testing : 01.08.2019
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa
 Test requirement : EN 300 328 V2.1.1:2016, clause 4.3.2.11
 Test procedure : EN 300 328 V2.1.1:2016, clause 5.4.11.2
 Normal test voltage : AC 250V, 50Hz
 Test modes applied : TM7, TM9

Table 17: Receiver Blocking, TM7

P _{min} [dBm]	Wanted signal mean power from companion device [dBm]	Blocking signal frequency [MHz]	Blocking signal power [dBm]	PER [%]	Limit [%]	Verdict
-108	-102	2300	-44	0	10	Pass
		2380	-54	0	10	Pass
		2503.5	-54	0	10	Pass
		2583.5	-44	0	10	Pass

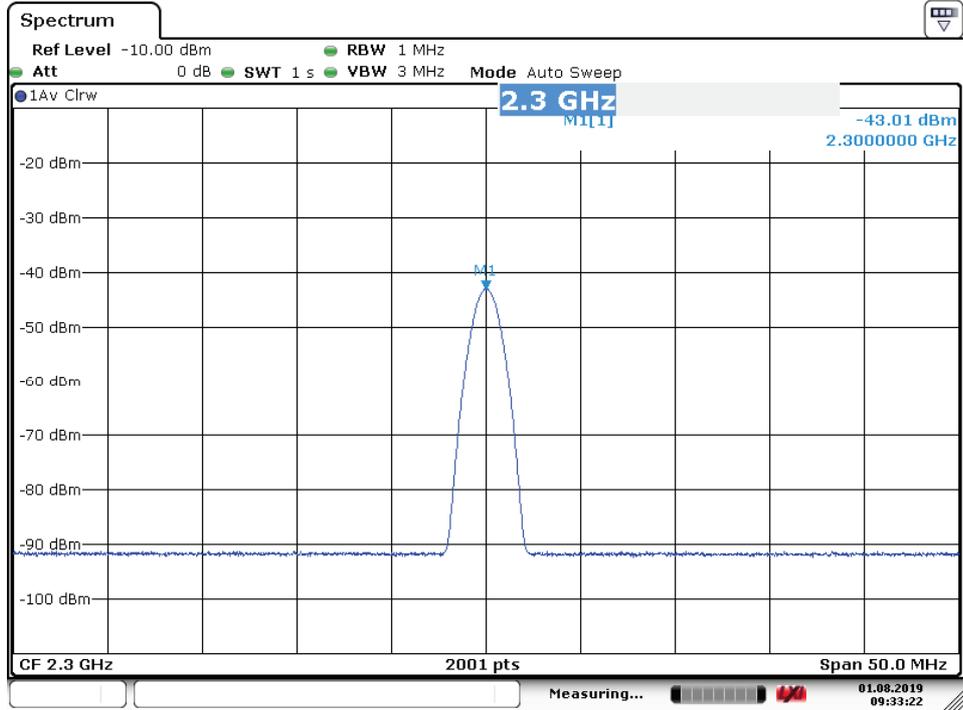
Note: The levels specified in the standards are the levels in front of the UUT antenna. In case of conducted measurements, the levels have to be corrected by the actual antenna assembly gain.

Table 18: Receiver Blocking, TM9

P _{min} [dBm]	Wanted signal mean power from companion device [dBm]	Blocking signal frequency [MHz]	Blocking signal power [dBm]	PER [%]	Limit [%]	Verdict
-109	-103	2300	-44	0	10	Pass
		2380	-54	0	10	Pass
		2503.5	-54	0	10	Pass
		2583.5	-44	0	10	Pass

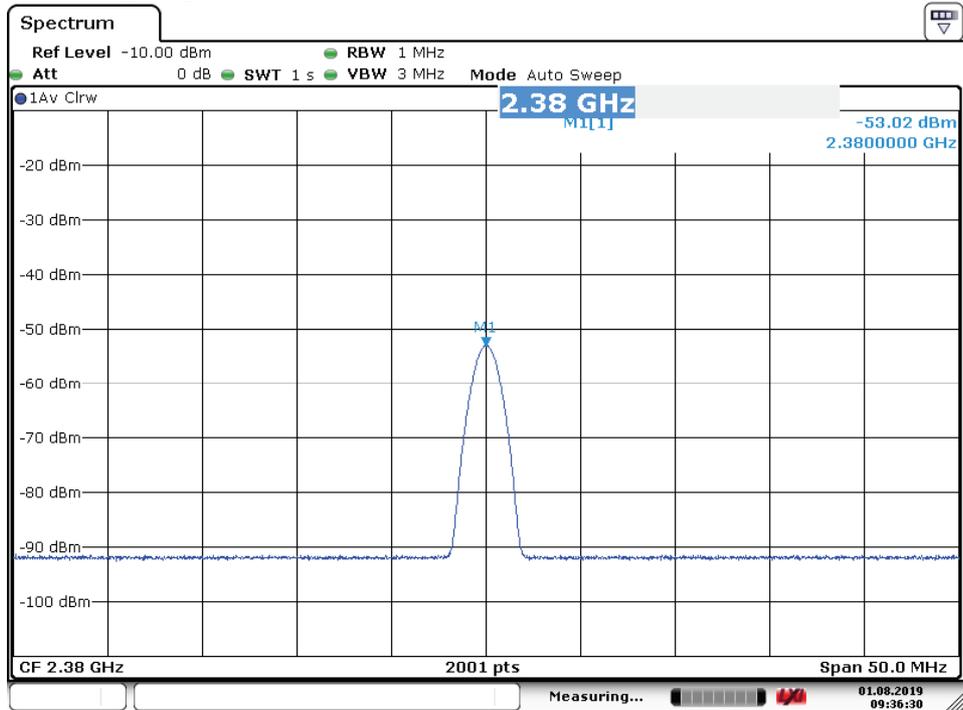
Note: The levels specified in the standards are the levels in front of the UUT antenna. In case of conducted measurements, the levels have to be corrected by the actual antenna assembly gain.

Figure 4: Blocking Signal, 2300MHz



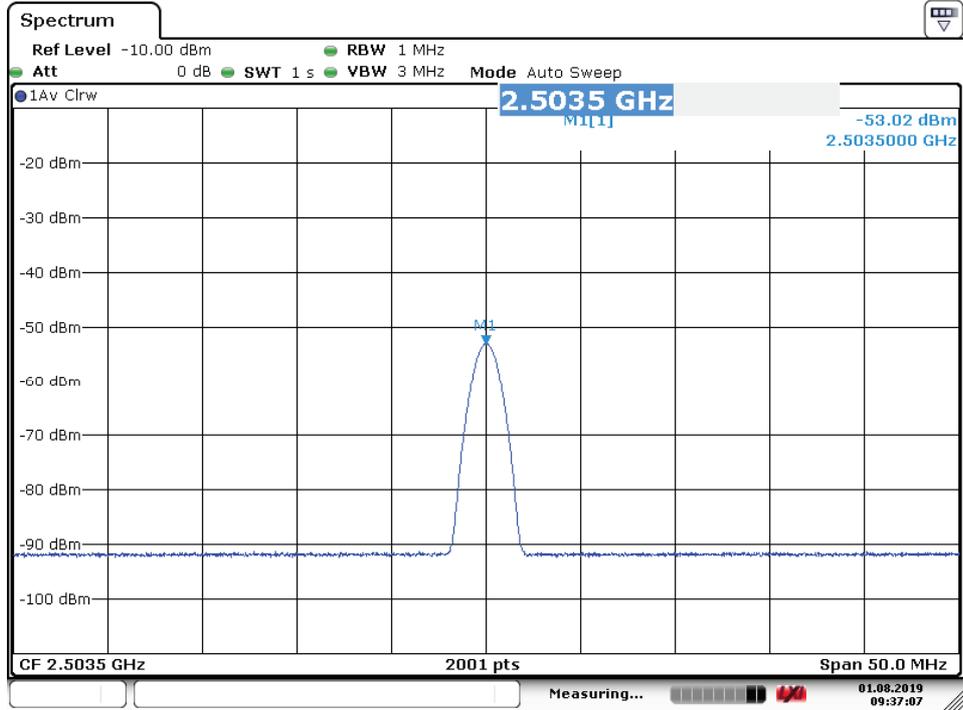
Date: 1.AUG.2019 09:33:22

Figure 5: Blocking Signal, 2380MHz



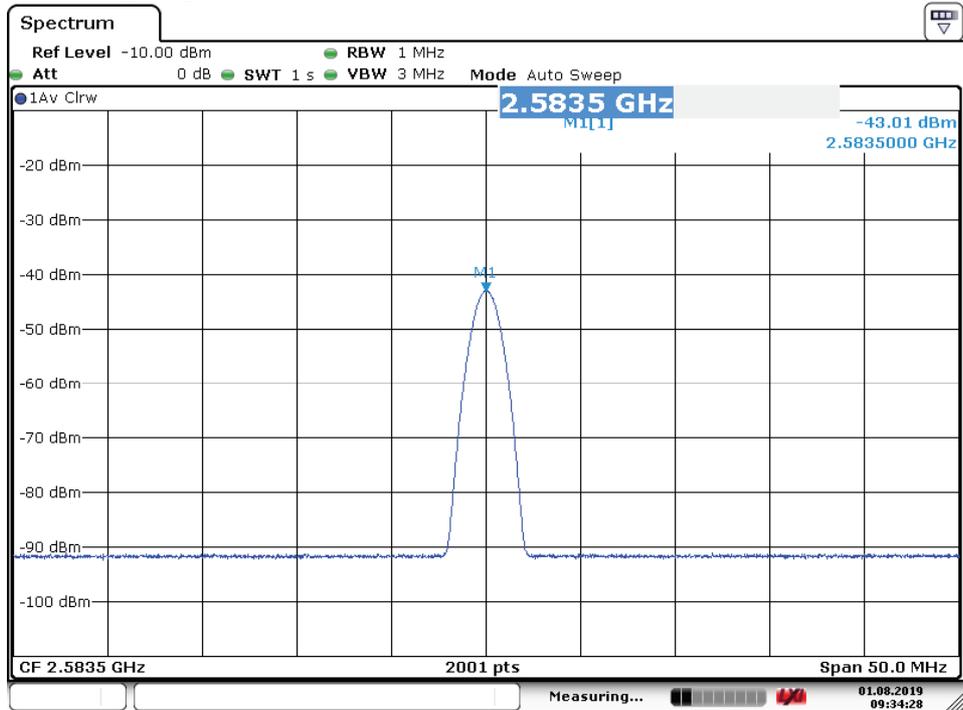
Date: 1.AUG.2019 09:36:30

Figure 6: Blocking Signal, 2503.5MHz



Date: 1.AUG.2019 09:37:07

Figure 7: Blocking Signal, 2583.5MHz



Date: 1.AUG.2019 09:34:28

6. Other Evaluation of RED 2014/53/EU

6.1 Article 3.1a

6.1.1 Electrical Safety Requirement

RESULT: **PASS**

Evaluation procedure : EN IEC 61058-1:2018
EN 61058-1-1:2016

Test details refer to test report 50283429 001 issued by TUV Rheinland (Shanghai) Co., Ltd.

6.1.2 Human Exposure to EM Fields

RESULT: **PASS**

Evaluation procedure : EN 62479:2010

Based on effective radiated power and spurious radiation measurement results, the emitted power of the sample is far less than P_{max} : 20 mW. According to annex A.3 of EN 62479:2010, the sample is deemed to comply with the low-power exclusion level defined in clause 4.2.

6.2 Article 3.1b

6.2.1 Electromagnetic Compatibility Requirement

RESULT: **PASS**

Evaluation procedure : EN IEC 61058-1:2018
EN 61058-1-1:2016

Test details refer to test report 50275968 001 issued by TUV Rheinland (Shanghai) Co., Ltd.

Evaluation procedure : EN 301 489-1 V2.1.1:2017
EN 301 489-17 V3.1.1:2017

Test details refer to test report 50275960 001 issued by TUV Rheinland (Shanghai) Co., Ltd.

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7. Photographs of the Sample and Test Setup

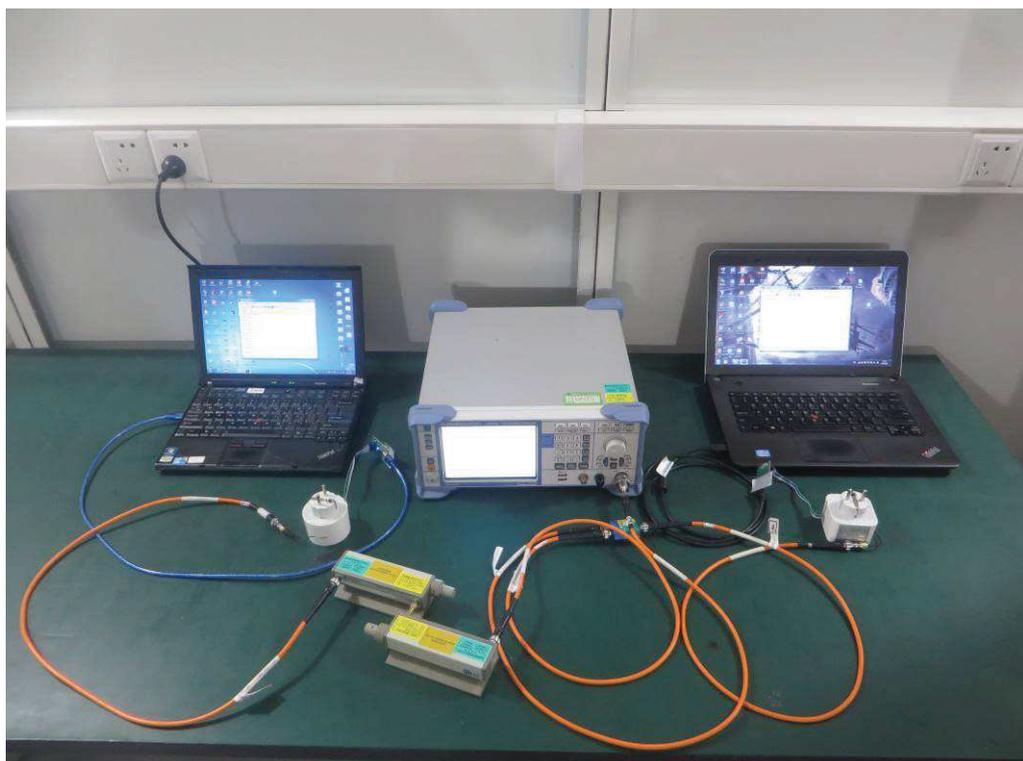
Photograph 1: Photographs of the EUT



Photograph 2: Set-up for conducted RF test



Photograph 3: Set-up for Receiver Blocking tests



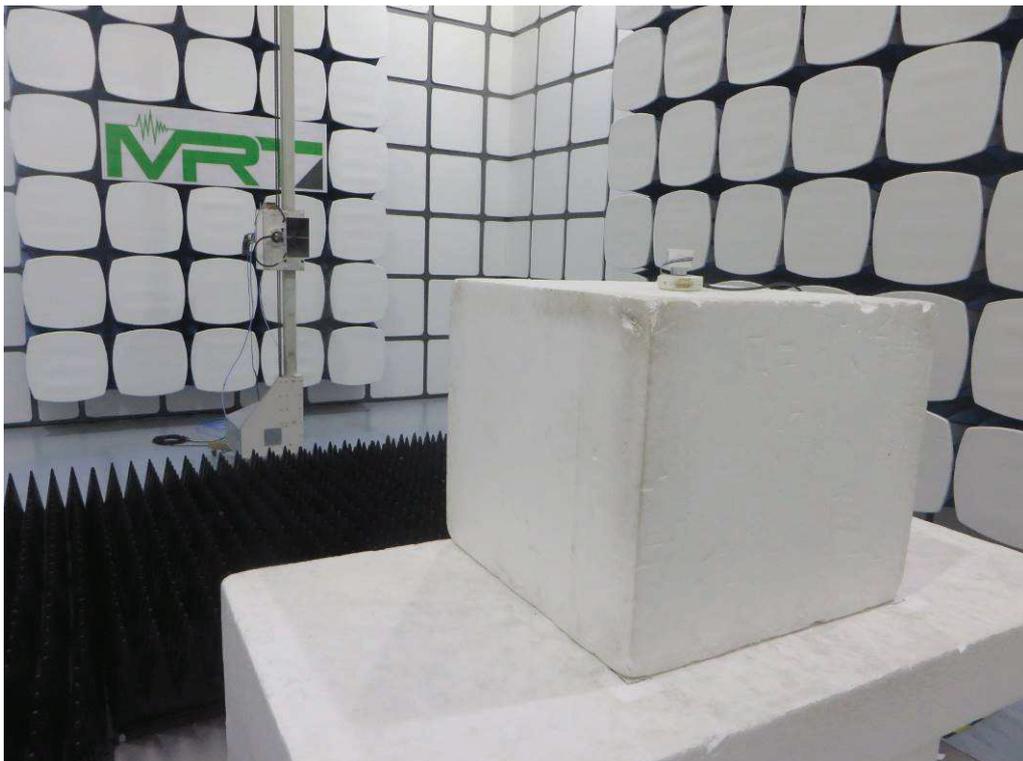
Prüfbericht - Nr.: 50284810 001
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Photograph 4: Set-up for radiated spurious emission, 30MHz – 1GHz



Photograph 5: Set-up for radiated spurious emission, 1GHz – 18GHz



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