



RF Test Report

Product Name: Remote Radio Unit

Product Model: RU3260

Report Number: SYBH(R)01486578EB-1

FCC ID: QISRU3260

IC ID: 6369A-RU3260

Reliability Laboratory of Huawei Technologies Co., Ltd.

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District,
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Notice

1. The laboratory has Passed the accreditation by China National Accreditation Service for Conformity Assessment (CNAS). The accreditation number is L0310.
2. The laboratory has Passed the accreditation by The American Association for Laboratory Accreditation (A2LA). The accreditation number is 2174.01.
3. The laboratory has been listed by the US Federal Communications Commission to perform electromagnetic emission measurements.
 - The recognition number for the test site located in Shenzhen is 97456.
 - The recognition number for the test site located in Shanghai is 684868.
 - The recognition number for the test site located in Chengdu is 216797.
4. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements.
 - The recognition number for the test site located in Shenzhen is 6369A, which contains 6369A-1 (3m chamber in G2), 6369A-2 (3m chamber in K3) and 6369A-3 (10m chamber in K3).
 - The recognition numbers for the test site located in Shanghai is 6369D, which contains 6369D-1 (3m chamber) and 6369D-2 (10m chamber).
 - The recognition number for the test site located in Chengdu is 6369E-1.
5. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
6. The test report is invalid if there is any evidence of erasure and/or falsification.
7. The test report is only valid for the test samples.
8. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.



Applicant: Huawei Technologies Co., Ltd.
Address: Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District, Shenzhen, 518129, P.R.C
Product Name: Remote Radio Unit
Product Model: RU3260

Date of Receipt Sample: 2013-07-05
Start Date of Test: 2013-07-06
End Date of Test: 2014-09-05

Test Result: Pass

**Approved by Senior
Engineer:**

2014-09-11

Date

Zhang Xinghai

Name

Zhang Xing hai

Signature

Prepared by:

2014-09-11

Date

Li Guo

Name

Li Guo

Signature



Modification Record

No.	Last Report No.	Modification Description
1	---	First report.



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1 General Information

1.1 Applied Standard

Applied Rules:	47 CFR FCC Part 2 (10-1-13 Edition) 47 CFR FCC Part 27 (10-1-13 Edition) IC RSS-Gen (Issue 3, December 2010) IC RSS-199 (Issue 1, January 2010)
Test Method:	FCC KDB 971168 D01 Power Meas License Digital Systems v02r01 FCC KDB 662911 D01 Multiple Transmitter Output v01r02 (if applicable) FCC KDB 662911 D02 MIMO with Cross-Polarized Antennas v01 (if applicable)

1.2 Test Location

Test Location 1:	Reliability Laboratory of Huawei Technologies Co., Ltd.
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

1.3 Test Environment Condition

Ambient Temperature:	19.5 to 25 °C
Ambient Relative Humidity:	45 to 55 %
Atmospheric Pressure:	Not applicable

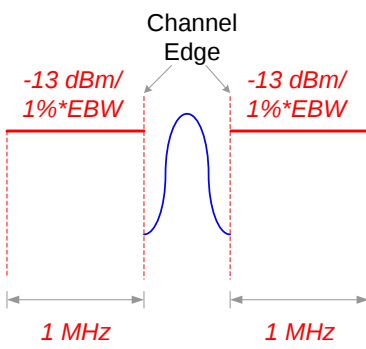
2 Test Summary

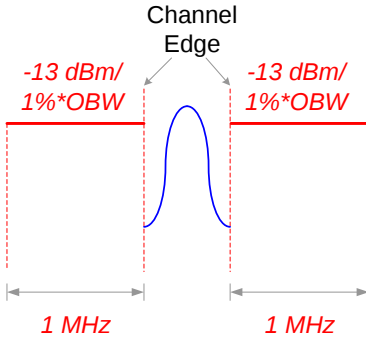
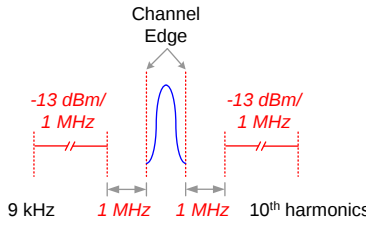
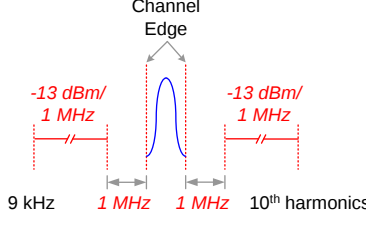
2.1 BRS&EBS Band (2620-2690 MHz with 2500-2570 MHz)

2.1.1 Non-measurement Technical Requirements

Description	FCC Rule No.	IC Rule No.	Requirements	Test Result	Verdict (NOTE)
Modulation Characteristics	§2.1047	RSS-199, §4.1	Digital modulation.	See technical specification description.	Comply
Channel Bandwidth	---	RSS-199, §4.2	ChBW ≥ 1 MHz.	See technical specification description.	Comply
NOTE: For the verdict, the "N/A" denotes "not applicable".					

2.1.2 Base Station

Test Item	FCC Rule No.	IC Rule No.	Requirements	Test Result	Verdict (NOTE 2)
Effective Isotropic Radiated Power	§2.1046, §27.50(h)	RSS-Gen, §4.8; RSS-199, §4.4	FCC: EIRP ≤ 33 dBW + 10 lg(X/Y) dBW + 10 lg(360/beamwidth) dBW. IC: EIRP ≤ 33.3 W/100 kHz.	NA	No integral antenna
RF Power Output-Conduct	§2.1046, §27.50(h)	RSS-Gen, §4.8; RSS-199, §4.4	FCC: ≤ 33 dBW + 10 lg(X/Y) dBW. IC: ≤ 33.3 W/100 kHz.	Appendix A	Pass
Bandwidth	§2.1049	RSS-Gen, §4.6	OBW: No limit. EBW: No limit.	Appendix B	Pass
Band Edges Compliance(NOTE 3)	§2.1051, §27.53(m)	RSS-Gen, §4.9; RSS-199, §4.5; RSS-199, §4.2	FCC:  IC:	Appendix C	Pass

Test Item	FCC Rule No.	IC Rule No.	Requirements	Test Result	Verdict (NOTE 2)
					
Spurious Emission at Antenna Terminals(NOTE 3)	§2.1051, §27.53(m)	RSS-Gen, §4.9; RSS-199, §4.5; RSS-199, §4.2		Appendix D	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	RSS-Gen, §4.9; RSS-199, §4.5		Appendix E	Pass
Frequency Stability	§2.1055, §27.54	RSS-Gen, §4.7; RSS-199, §4.3	Within authorized bands of operation/frequency block.	Appendix F	Pass
Receiver Spurious Emissions (NOTE 1)	---	RSS-Gen, §4.10; RSS-Gen, §6; RSS-199, §4.6	Radiated limit: RSS-Gen, §6.1 field strength limit. Conducted limit: ≤ -57 dBm/120 kHz (CISPR-QP), from 30 MHz to 1000 MHz, and ≤ -53 dBm/1 MHz (AV), from 1 GHz to 3 rd harmonics.	Appendix G	N/A
NOTE 1: For Receiver Spurious Emissions, If the receiver has a detachable antenna of known impedance, antenna conducted spurious emissions measurement is permitted as an alternative to radiated measurement. However, the radiated method is recommended. The antenna conducted test shall be performed with the antenna disconnected and the receiver antenna terminals connected to a measuring instrument having equal impedance to that specified for the antenna. NOTE 2: For the verdict, the "N/A" denotes "not applicable". According to the RSS- GEN, the receiver is not classified Category I Equipment Receivers. NOTE 3&NOTE 4: For the EUT has two TRX ports, which supports MIMO, so the total limit is -13dBm and the limit for each port is $-13\text{dBm}-10\lg 2=-16\text{dBm}$;					

3 Description of the Equipment under Test (EUT)

3.1 General Description

The RU3260 is the outdoor remote radio unit which is powered by a power cabinet. It is the radio frequency (RF) module of the distributed eNodeB and is installed close to the antenna.

3.2 EUT Identity

NOTE: Unless otherwise noted in the report, the functional boards installed in the units shall be selected from the below list, but not means all the functional boards listed below shall be installed in one unit.

3.2.1 Board

Board	
Board Name	Description
RU3260	Remote Radio Unit

3.2.2 Sub-Assembly

Sub-Assembly			
Sub-Assembly Name	Model	Manufacturer	Description
LBBP	--	Huawei	LTE baseband Unit
LMPT	--	Huawei	LTE Main Processing Unit



3.3 Technical Specification

Characteristics	Description	
Radio System Type	Single Radio Access Technology (Single-RAT):	☐ GSM ☐ UMTS ☒ LTE ☐ CDMA ☐ WiMAX
	Multi-Standard Radio (MSR):	☐ GSM & UMTS ☐ GSM & LTE ☐ GSM & UMTS & LTE ☐ WiMAX & LTE ☐ CDMA & LTE
Equipment Type	☒ Base Station, ☐ Subscriber Station, ☐ Fixed Station, ☐ Mobile Station, ☐ Portable Station	
Supported Frequency Range	Transmission (TX):	2620 to 2690 MHz
	Receiving (RX):	2500 to 2570 MHz
TX and RX Antenna Ports	TX & RX port:	2
	TX-only port:	0
	RX-only port:	2
Multiple Carrier Supported	2	
Maximum RF Bandwidth	50 MHz	
TX Output Power	Max. 40 W (per antenna port) Max. 80 W (two antenna ports)	
Supported Channel Bandwidth	GSM system:	☐ 200 kHz
	UMTS system:	☐ 5 MHz
	LTE system:	☐ 1.4 MHz, ☐ 3 MHz, ☒ 5 MHz, ☒ 10 MHz, ☒ 15 MHz, ☒ 20 MHz
	CDMA system:	☐ 1.23 MHz, ☐ 1.25 MHz
	WiMAX system:	☐ 5 MHz, ☐ 7 MHz, ☐ 10 MHz
Modulation Type	LTE system:	QPSK, 16QAM, 64QAM
Designation of Emissions (Note: the necessary bandwidth of which is the worst value from the measured occupied bandwidths for each type of channel bandwidth configuration.)	GSM system:	---
	UMTS system:	---
	LTE system:	5M00D9W, 10M0D9W, 15M0D9W, 20M0D9W
	CDMA system:	---
	WiMAX system:	---
Power Supply	Power Supply Type:	☐ External AC mains, ☒ External DC mains, ☐ AC/DC Adapter, ☐ Powered over Ethernet (PoE)



Characteristics	Description	
	Nominal Voltage, Input to EUT:	-48 VDC
	Voltage Range, Input to EUT:	-36 to -57 VDC



4 General Test Conditions / Configurations

4.1 Test Modes

NOTE: The test mode(s) are selected according to relevant radio technology specifications.

Test Mode	Test Modes Description
LTE/TM1.1	LTE system, 3GPP TS 36.141 clause 6.1.1, E-TM 1.1
LTE/TM2	LTE system, 3GPP TS 36.141 clause 6.1.1, E-TM 2
LTE/TM3.1	LTE system, 3GPP TS 36.141 clause 6.1.1, E-TM 3.1

4.2 EUT Configurations

4.2.1 General Configurations

Configuration	Description
Test Antenna Ports	Until otherwise specified, - All TX tests are ONLY performed at the main TX antenna port (e.g. ANTA, TXA or similar) of the EUT, and - All RX tests are ONLY performed at the main RX antenna port (e.g. ANTA, RXB or similar) of the EUT.
Multiple RF Sources	Other than the tested RF source of the EUT, other RF source(s) are disabled or shutdown during measurements.

4.2.2 Customized Configurations

The RU3260 supports dual single mode and MIMO mode. All modes have been included when several settings were tested to find the worst case setting, and Tx MIMO was used for the Tx measurements.

The settings below were found to be representative for all traffic scenarios to find the worst case setting.

EUT Conf.	RF Ch.	TX Freq. [MHz]	RX Freq. [MHz]	Ch. BW [MHz]	Power Level [dBm]	Test Mode
TX_1L_5M_B_TM1_ANTA	B	2622.5	--	5	46	LTE/TM1.1
TX_1L_5M_M_TM1_ANTA	M	2655	--	5	46	LTE/TM1.1
TX_1L_5M_T_TM1_ANTA	T	2687.5	--	5	46	LTE/TM1.1
TX_1L_10M_B_TM1_ANTA	B	2625	--	10	46	LTE/TM1.1
TX_1L_10M_M_TM1_ANTA	M	2655	--	10	46	LTE/TM1.1
TX_1L_10M_T_TM1_ANTA	T	2685	--	10	46	LTE/TM1.1
TX_1L_15M_B_TM1_ANTA	B	2627.5	--	15	46	LTE/TM1.1
TX_1L_15M_M_TM1_ANTA	M	2655	--	15	46	LTE/TM1.1
TX_1L_15M_T_TM1_ANTA	T	2682.5	--	15	46	LTE/TM1.1
TX_1L_20M_B_TM1_ANTA	B	2630	--	20	46	LTE/TM1.1
TX_1L_20M_M_TM1_ANTA	M	2655	--	20	46	LTE/TM1.1
TX_1L_20M_T_TM1_ANTA	T	2670	--	20	46	LTE/TM1.1
TX_2L_5M_B_TM1_ANTA	B	2622.5, 2627.5,	--	5, 5	43, 43	LTE/TM1.1
TX_2L_5M_M_TM1_ANTA	M	2652.5, 2657.5	--	5, 5	43, 43	LTE/TM1.1
TX_2L_5M_T_TM1_ANTA	T	2687.5, 2682.5	--	5, 5	43, 43	LTE/TM1.1
TX_2L_20M_B_TM1_ANTA	B	2630, 2650	--	20, 20	43, 43	LTE/TM1.1
TX_2L_20M_M_TM1_ANTA	M	2645, 2665,	--	20, 20	43, 43	LTE/TM1.1
TX_2L_20M_T_TM1_ANTA	T	2670, 2650,	--	20, 20	43, 43	LTE/TM1.1
TX_1L_5M_B_TM1_ANTB	B	2622.5	--	5	46	LTE/TM1.1
TX_1L_5M_M_TM1_ANTB	M	2655	--	5	46	LTE/TM1.1



EUT Conf.	RF Ch.	TX Freq. [MHz]	RX Freq. [MHz]	Ch. BW [MHz]	Power Level [dBm]	Test Mode
TX_1L_5M_T_TM1_ANTB	T	2687.5	--	5	46	LTE/TM1.1
TX_1L_10M_B_TM1_ANTB	B	2625	--	10	46	LTE/TM1.1
TX_1L_10M_M_TM1_ANTB	M	2655	--	10	46	LTE/TM1.1
TX_1L_10M_T_TM1_ANTB	T	2685	--	10	46	LTE/TM1.1
TX_1L_15M_B_TM1_ANTB	B	2627.5	--	15	46	LTE/TM1.1
TX_1L_15M_M_TM1_ANTB	M	2655	--	15	46	LTE/TM1.1
TX_1L_15M_T_TM1_ANTB	T	2682.5	--	15	46	LTE/TM1.1
TX_1L_20M_B_TM1_ANTB	B	2630	--	20	46	LTE/TM1.1
TX_1L_20M_M_TM1_ANTB	M	2655	--	20	46	LTE/TM1.1
TX_1L_20M_T_TM1_ANTB	T	2670	--	20	46	LTE/TM1.1
TX_2L_5M_B_TM1_ANTB	B	2622.5, 2627.5,	--	5, 5	43, 43	LTE/TM1.1
TX_2L_5M_M_TM1_ANTB	M	2652.5, 2657.5	--	5, 5	43, 43	LTE/TM1.1
TX_2L_5M_T_TM1_ANTB	T	2687.5, 2682.5	--	5, 5	43, 43	LTE/TM1.1
TX_2L_20M_B_TM1_ANTB	B	2630, 2650	--	20, 20	43, 43	LTE/TM1.1
TX_2L_20M_M_TM1_ANTB	M	2645, 2665,	--	20, 20	43, 43	LTE/TM1.1
TX_2L_20M_T_TM1_ANTB	T	2670, 2650,	--	20, 20	43, 43	LTE/TM1.1
TX_1L_5M_M_TM2_ANTA	M	2655	--	5	46	LTE/TM2
TX_1L_5M_M_TM3_ANTA	M	2655	--	5	46	LTE/TM3.1
TX_1L_5M_M_TM2_ANTB	M	2655	--	5	46	LTE/TM2
TX_1L_5M_M_TM3_ANTB	M	2655	--	5	46	LTE/TM3.1
RSE_2L_5M_M_TM1_ANTA	M	2642.5, 2687.5	--	5, 5	43, 43	LTE/TM1
RSE_2L_5M_M_TM1_ANTB	M	2642.5, 2687.5	--	5, 5	43, 43	LTE/TM1

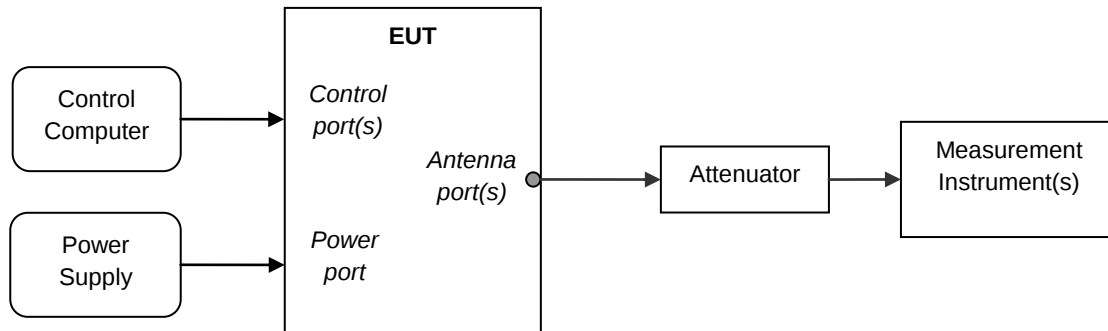


4.3 Test Environments

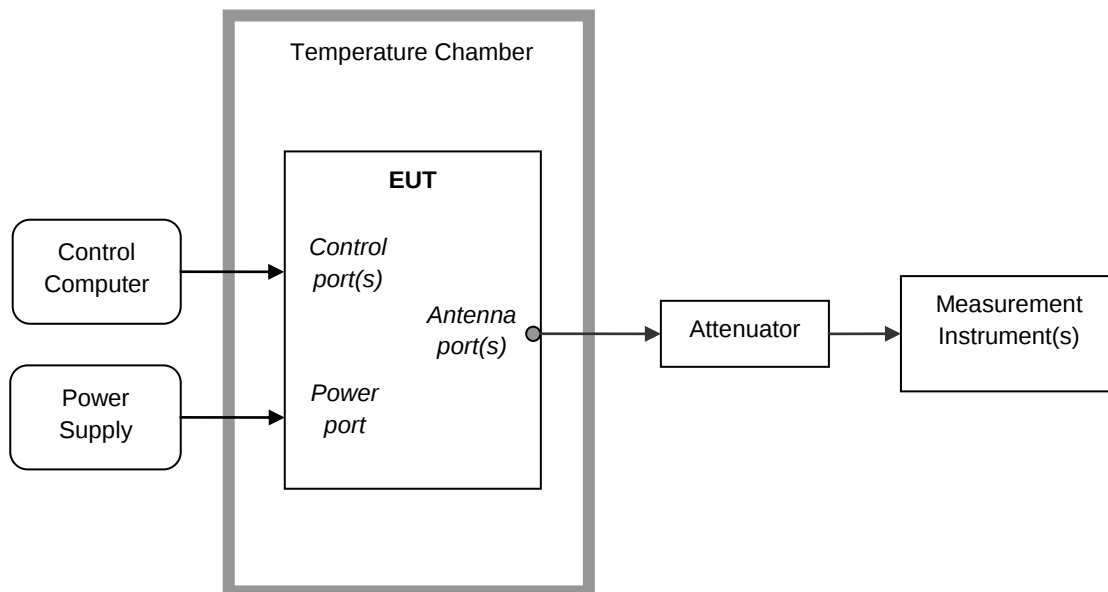
Environment Parameter	Selected Values During Tests		
	Temperature	Voltage	Relative Humidity
Ambient Climate	Ambient	---	Ambient
Rated Voltage	---	-48 VDC	---

4.4 Test Setups

4.4.1 Test Setup 1



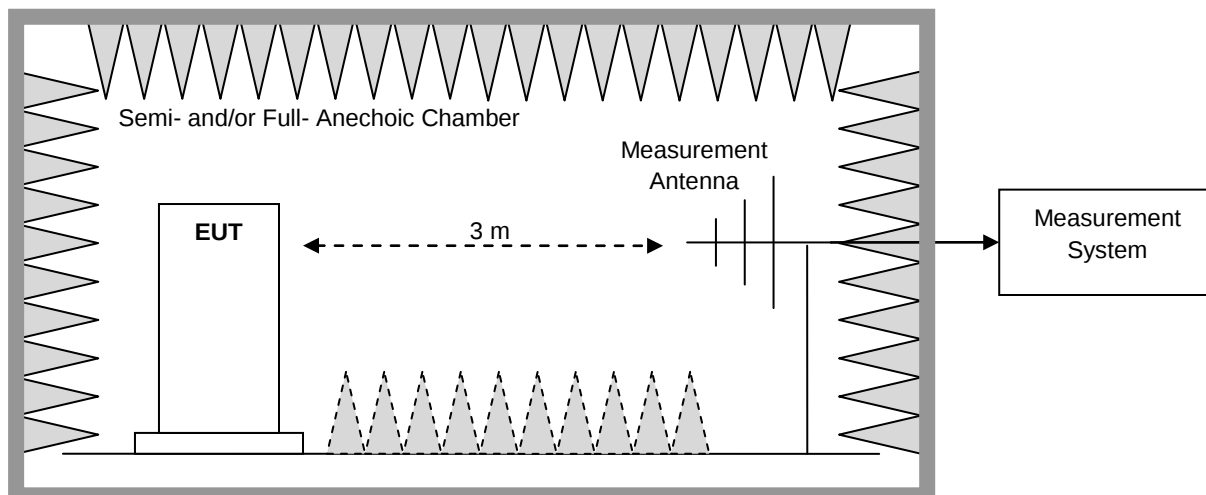
4.4.2 Test Setup 2



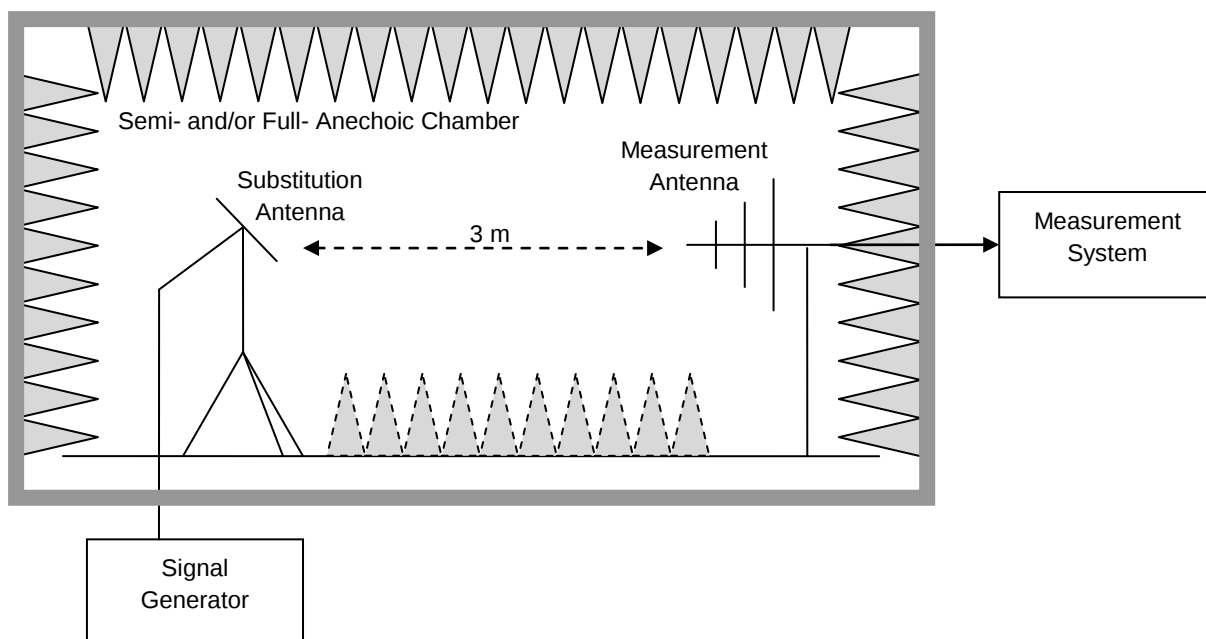
4.4.3 Test Setup 3

NOTE: Effective radiated power (ERP) refers to the radiation power output of the EUT, assuming all emissions are radiated from half-wave dipole antennas.

4.4.3.1 Step 1: Pre-test



4.4.3.2 Step 2: Substitution method to verify the maximum ERP



4.5 Test Conditions

Test Case		Test Conditions	
Transmitter Output Power- Conduct	Average Power, Total	Test Environment.	Ambient Climate & Rated Voltage
		Test Setup	Test Seup 1
		EUT Conf.	TX_1L_5M_B_TM1_ANTA, TX_1L_5M_M_TM1_ANTA, TX_1L_5M_T_TM1_ANTA, TX_1L_20M_B_TM1_ANTA, TX_1L_20M_M_TM1_ANTA, TX_1L_20M_T_TM1_ANTA, TX_2L_5M_B_TM1_ANTA, TX_2L_5M_M_TM1_ANTA, TX_2L_5M_T_TM1_ANTA, TX_2L_20M_B_TM1_ANTA, TX_2L_20M_M_TM1_ANTA, TX_2L_20M_T_TM1_ANTA, TX_1L_5M_B_TM1_ANTB, TX_1L_5M_M_TM1_ANTB, TX_1L_5M_T_TM1_ANTB, TX_1L_20M_B_TM1_ANTB, TX_1L_20M_M_TM1_ANTB, TX_1L_20M_T_TM1_ANTB, TX_2L_5M_B_TM1_ANTB, TX_2L_5M_M_TM1_ANTB, TX_2L_5M_T_TM1_ANTB, TX_2L_20M_B_TM1_ANTB, TX_2L_20M_M_TM1_ANTB, TX_2L_20M_T_TM1_ANTB
	Peak-to-Average Ratio (if required)	Test Environment.	Ambient Climate & Rated Voltage
		Test Setup	Test Seup 1
		EUT Conf.	TX_1L_5M_B_TM1_ANTA, TX_1L_5M_M_TM1_ANTA, TX_1L_5M_T_TM1_ANTA, TX_1L_20M_B_TM1_ANTA, TX_1L_20M_M_TM1_ANTA, TX_1L_20M_T_TM1_ANTA, TX_1L_5M_B_TM1_ANTB, TX_1L_5M_M_TM1_ANTB, TX_1L_5M_T_TM1_ANTB, TX_1L_20M_B_TM1_ANTB, TX_1L_20M_M_TM1_ANTB, TX_1L_20M_T_TM1_ANTB
	Power Spectral Density	Test Environment.	Ambient Climate & Rated Voltage
		Test Setup	Test Seup 1
		EUT Conf.	TX_1L_5M_B_TM1_ANTA, TX_1L_5M_M_TM1_ANTA, TX_1L_5M_T_TM1_ANTA, TX_1L_20M_B_TM1_ANTA, TX_1L_20M_M_TM1_ANTA, TX_1L_20M_T_TM1_ANTA, TX_1L_5M_B_TM1_ANTB, TX_1L_5M_M_TM1_ANTB, TX_1L_5M_T_TM1_ANTB, TX_1L_20M_B_TM1_ANTB, TX_1L_20M_M_TM1_ANTB, TX_1L_20M_T_TM1_ANTB
Bandwidth	Occupied Bandwidth	Test Environment.	Ambient Climate & Rated Voltage
		Test Setup	Test Seup 1
		EUT Conf.	TX_1L_5M_B_TM1_ANTA, TX_1L_5M_M_TM1_ANTA, TX_1L_5M_T_TM1_ANTA, TX_1L_20M_B_TM1_ANTA, TX_1L_20M_M_TM1_ANTA, TX_1L_20M_T_TM1_ANTA, TX_1L_5M_B_TM1_ANTB, TX_1L_5M_M_TM1_ANTB,

Test Case		Test Conditions	
			TX_1L_5M_T_TM1_ANTB, TX_1L_20M_B_TM1_ANTB, TX_1L_20M_M_TM1_ANTB, TX_1L_20M_T_TM1_ANTB
Band Edges Compliance	Test Environment.	Ambient Climate & Rated Voltage	
	Test Setup	Test Seup 1	
	EUT Conf.	TX_1L_5M_B_TM1_ANTA, TX_1L_5M_T_TM1_ANTA, TX_1L_20M_B_TM1_ANTA, TX_1L_20M_T_TM1_ANTA, TX_1L_5M_B_TM1_ANTB, TX_1L_5M_T_TM1_ANTB, TX_1L_20M_B_TM1_ANTB, TX_1L_20M_T_TM1_ANTB, TX_2L_5M_B_TM1_ANTA, TX_2L_5M_T_TM1_ANTA, TX_2L_20M_B_TM1_ANTA, TX_2L_20M_T_TM1_ANTA, TX_2L_5M_B_TM1_ANTB, TX_2L_5M_T_TM1_ANTB, TX_2L_20M_B_TM1_ANTB, TX_2L_20M_T_TM1_ANTB,	
Spurious Emission at Antenna Terminals	Test Environment.	Ambient Climate & Rated Voltage	
	Test Setup	Test Seup 1	
	EUT Conf.	TX_1L_5M_B_TM1_ANTA, TX_1L_5M_M_TM1_ANTA, TX_1L_5M_T_TM1_ANTA, TX_2L_5M_B_TM1_ANTA, TX_2L_5M_M_TM1_ANTA, TX_2L_5M_T_TM1_ANTA, TX_1L_5M_B_TM1_ANTB, TX_1L_5M_M_TM1_ANTB, TX_1L_5M_T_TM1_ANTB, TX_2L_5M_B_TM1_ANTB, TX_2L_5M_M_TM1_ANTB, TX_2L_5M_T_TM1_ANTB,	
Field Strength of Spurious Radiation	Test Environment.	Ambient Climate & Rated Voltage	
	Test Setup	Test Seup 3	
	EUT Conf.	RSE_2L_5M_M_TM1_ANTA, RSE_2L_5M_M_TM1_ANTB	
Frequency Stability	Test Environment.	(1) -30 °C to +50 °C with step 10 °C at Rated Voltage; (2) 85%, 100% and 115% of Rated Voltage at Ambient Climate.	
	Test Setup	Test Seup 2	
	EUT Conf.	TX_1L_5M_M_TM2_ANTA, TX_1L_5M_M_TM2_ANTB, TX_1L_5M_M_TM3_ANTA, TX_1L_5M_M_TM3_ANTB NOTE: A representative EUT configuration was selected since the un-modulation carrier configuration was required by the standards/rules.	
Receiver Spurious Emissions	Test Environment.	Ambient Climate & Rated Voltage	
	Test Setup	Test Seup 1	
	EUT Conf.	--	



5 Main Test Instruments

NOTE: Unless otherwise specified, the calibration intervals for test instruments were Annual (per year). The other intervals, if applicable, are marked with (##y), which denotes ## years calibration interval.

Equipment Name	Manufacturer	Model	Serial Number	Cal. Due
Test Setup 1 & 2				
Spectrum Analyzer	Agilent	N9030A	MY49431033	2014-05-19
Power Meter	Agilent	E4417A	GB41292113	2014-05-13
Vector Signal Generator	R&S	SMU200A	100699	2014-04-14
Signal Generator	Agilent	E8257D	MY49281095	2013-09-13
Climate Chamber	ESPEC	EW0470S	12113066	2013-07-26
Test Setup 3				
3m Semi Anechoic Chamber	S+M	---	---	---
EMI Test receiver	R&S	ESU40	100144	2014-01-09
Broadband Antenna	SCHAFFNER	CBL 6112B	2536	2015-03-22
Horn Antenna	R&S	HF906	359287/005	2014-03-23
Horn antenna	3117	ETS-LINDGREN	00062553	2014-03-06

6 Measurement Uncertainty

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Test Item		Extended Uncertainty
RF Power Output	Power [dBm]	U = 0.39 dB
Bandwidth	Magnitude [%]	U = 0.2%
Band Edge Compliance	Disturbance Power [dBm]	U = 2.0 dB
Spurious Emissions, Conducted	Disturbance Power [dBm]	U = 2.0 dB
Field Strength of Spurious Radiation	ERP [dBm]	For 3 m Chamber: U = 4.6 dB (30 MHz to 1GHz) U = 3.0 dB (above 1 GHz) For 10 m Chamber: U = 4.6 dB (30 MHz to 1GHz) U = 3.0 dB (above 1 GHz)
Frequency Stability	Frequency Accuracy [ppm]	U = 0.21 ppm

END