

# FCC TEST REPORT

**Product Name:** Smart Phone  
**Trade Mark:** BLU  
**Model No.:** G95  
**Report Number:** 25062318650RFM-2  
**Test Standards:** FCC 47 CFR Part 22  
FCC 47 CFR Part 24  
FCC 47 CFR Part 27  
**FCC ID:** YHLBLU95GC  
**Test Result:** PASS  
**Date of Issue:** August 5, 2025

Prepared for:

**BLU Products, Inc.**  
**8600 NW 36th Street, Suite #300 | Miami, FL 33166**

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**Version**

Version No.	Date	Description
V1.0	August 5, 2025	Original

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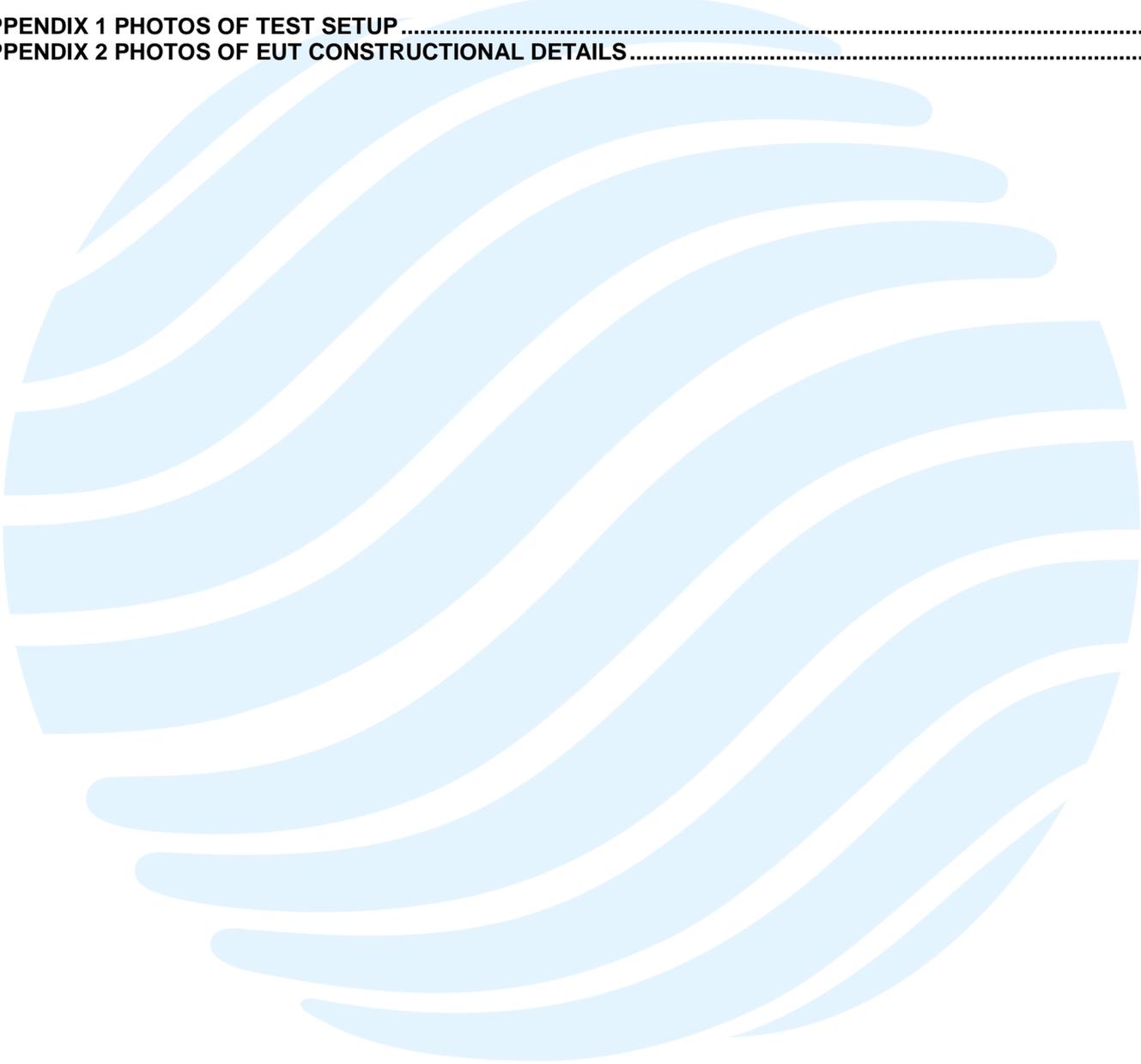
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# 1. GENERAL INFORMATION

## 1.1 CLIENT INFORMATION

<b>Applicant:</b>	BLU Products, Inc.
<b>Address of Applicant:</b>	8600 NW 36th Street, Suite #300   Miami, FL 33166
<b>Manufacturer:</b>	BLU Products, Inc.
<b>Address of Manufacturer:</b>	8600 NW 36th Street, Suite #300   Miami, FL 33166

## 1.2 EUT INFORMATION

### 1.2.1 General Description of EUT

<b>Product Name:</b>	Smart Phone			
<b>Model No.:</b>	G95			
<b>Trade Mark:</b>	BLU			
<b>DUT Stage:</b>	Identical Prototype			
<b>EUT Supports Function:</b> (Provided by the customer)	GSM Bands:	GSM850/PCS 1900		
	UTRA Bands:	WCDMA Band II/ Band IV/ Band V		
	E-UTRA Bands:	FDD Band 2/ Band 4/ Band 5/ Band 7/ Band 12/ / Band 13/ Band 17/ Band 66/ Band 71		
	2.4 GHz ISM Band:	IEEE 802.11b/g/n		
		Bluetooth 5.2		
	5 GHz U-NII Bands:	5 150 MHz to 5 250 MHz	IEEE 802.11a/n/ac	
		5 250 MHz to 5 350 MHz	IEEE 802.11a/n/ac	
		5 470 MHz to 5 725 MHz	IEEE 802.11a/n/ac	
5 725 MHz to 5 850 MHz		IEEE 802.11a/n/ac		
RNSS Band:	1559 MHz to 1610 MHz	GPS/ BDS/ Galileo/ GLONASS		
NFC:	13.553 MHz to 13.567 MHz			
<b>Sample Received Date:</b>	June 23, 2025			
<b>Sample Tested Date:</b>	June 27, 2025 to July 16, 2025			
<b>Remark:</b>	The above EUT's information was provided by customer. Please refer to the specifications or user's manual for more detailed description.			

### 1.2.2 Description of Accessories

Adapter	
<b>Model No.:</b>	US-BJ-1825Q
<b>Input:</b>	100-240 V~50/60 Hz 0.5 A
<b>Output:</b>	5.0V $\equiv$ 3000 mA 15.0W OR 9.0 V $\equiv$ 2000mA 18.0W

Cable	
<b>Connector:</b>	USB Cable
<b>Cable Type:</b>	Unshielded without ferrite
<b>Length:</b>	1.0 Meter

Battery	
<b>Model No.:</b>	C906548500P
<b>Battery Type:</b>	Lithium-ion Polymer Battery
<b>Rated Voltage:</b>	3.87 Vdc
<b>Typical Capacity:</b>	5000 mAh
<b>Rated Capacity:</b>	4900 mAh

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### 1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

<b>Support Networks:</b>	Single Carrier: LTE Band 2/4/5/7/12/13/17/66/71	
	Carrier Aggregation: LTE CA_7C	
<b>Type of Modulation:</b>	QPSK, 16QAM, 64QAM	
<b>Antenna Type:</b> (Provided by the customer)	PIFA Antenna	
<b>Antenna Gain:</b> (Provided by the customer)	LTE Band 2:	-0.11 dBi
	LTE Band 4:	-1.8 dBi
	LTE Band 5:	-3.5 dBi
	LTE Band 7:	-2.1 dBi
	LTE Band 12:	-3.1 dBi
	LTE Band 13:	-3.3 dBi
	LTE Band 17:	-3.4 dBi
	LTE Band 66:	-1.8 dBi
	LTE Band 71:	-3.8 dBi
<b>Sample No.:</b>	Radiated: S202506236330-ZJA01/6	
	Conducted: S202506236330-ZJA05/5	
<b>Normal Test Voltage:</b>	3.87 Vdc	
<b>Extreme Test Voltage:</b>	3.4 to 4.45Vdc	
<b>Extreme Test Temperature:</b>	-30 °C to +50 °C	

Summary of Results:								
Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		ERP/EIRP	99% BW	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)	(W)	(MHz)	
2	1.4	QPSK	1850.7-1909.3	23.39	23.28	0.2128	1.0977	1M10G7D
		16QAM		22.28	22.17	0.1648	1.0989	1M10W7D
		64QAM		21.60	21.49	0.1409	1.0990	1M10W7D
	3	QPSK	1851.5-1908.5	23.21	23.10	0.2042	2.6923	2M69G7D
		16QAM		22.24	22.13	0.1633	2.6897	2M69W7D
		64QAM		21.43	21.32	0.1355	2.6849	2M68W7D
	5	QPSK	1852.5-1907.5	23.55	23.44	0.2208	4.5061	4M51G7D
		16QAM		22.61	22.50	0.1778	4.5153	4M52W7D
		64QAM		21.54	21.43	0.1390	4.5092	4M51W7D
	10	QPSK	1855.0-1905.0	23.52	23.41	0.2193	8.9767	8M98G7D
		16QAM		22.50	22.39	0.1734	8.9875	8M99W7D
		64QAM		21.56	21.45	0.1396	8.9907	8M99W7D
	15	QPSK	1857.5-1902.5	23.48	23.37	0.2173	13.478	13M5G7D
		16QAM		22.57	22.46	0.1762	13.505	13M5W7D
		64QAM		21.60	21.49	0.1409	13.488	13M5W7D
	20	QPSK	1860.0-1900.0	23.71	23.60	0.2291	17.972	18M0G7D
		16QAM		22.66	22.55	0.1799	18.003	18M0W7D
		64QAM		21.63	21.52	0.1419	17.968	18M0W7D
4	1.4	QPSK	1710.7-1754.3	23.09	21.29	0.1346	1.0999	1M10G7D

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		16QAM		21.95	20.15	0.1035	1.0984	1M10W7D
		64QAM		21.19	19.39	0.0869	1.0951	1M10W7D
	3	QPSK	1711.5-1753.5	22.96	21.16	0.1306	2.6948	2M69G7D
		16QAM		21.91	20.11	0.1026	2.6865	2M69W7D
		64QAM		21.10	19.30	0.0851	2.6891	2M69W7D
	5	QPSK	1712.5-1752.5	23.13	21.33	0.1358	4.5041	4M50G7D
		16QAM		22.27	20.47	0.1114	4.5135	4M51W7D
		64QAM		21.21	19.41	0.0873	4.5085	4M51W7D
	10	QPSK	1715-1750	23.18	21.38	0.1374	8.9718	8M97G7D
		16QAM		22.22	20.42	0.1102	8.9809	8M98W7D
		64QAM		21.23	19.43	0.0877	8.9816	8M98W7D
	15	QPSK	1717.5-1747.5	23.21	21.41	0.1384	13.480	13M5G7D
		16QAM		22.27	20.47	0.1114	13.494	13M5W7D
		64QAM		21.27	19.47	0.0885	13.493	13M5W7D
	20	QPSK	1720-1745	23.24	21.44	0.1393	17.957	18M0G7D
		16QAM		22.33	20.53	0.1130	17.965	18M0W7D
		64QAM		21.30	19.50	0.0891	17.963	18M0W7D

Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		ERP/EIRP (W)	99% BW (MHz)	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)			
5	1.4	QPSK	824.7-848.3	23.83	18.18	0.0658	1.1011	1M10G7D
		16QAM		22.62	16.97	0.0498	1.0990	1M10W7D
		64QAM		21.77	16.12	0.0409	1.0977	1M10W7D
	3	QPSK	825.5-847.5	23.65	18.00	0.0631	2.6945	2M69G7D
		16QAM		22.60	16.95	0.0495	2.6900	2M69W7D
		64QAM		21.84	16.19	0.0416	2.6901	2M69W7D
	5	QPSK	826.5-846.5	23.95	18.30	0.0676	4.5044	4M50G7D
		16QAM		23.02	17.37	0.0546	4.5103	4M51W7D
		64QAM		21.85	16.20	0.0417	4.5065	4M51W7D
	10	QPSK	829-844	23.98	18.33	0.0681	8.9759	8M98G7D
		16QAM		22.93	17.28	0.0535	8.9729	8M97W7D
		64QAM		21.90	16.25	0.0422	8.9732	8M97W7D
7	5	QPSK	2502.5-2567.5	23.43	21.33	0.1358	4.5028	4M50G7D
		16QAM		22.36	20.26	0.1062	4.5169	4M52W7D
		64QAM		21.26	19.16	0.0824	4.5130	4M51W7D
	10	QPSK	2505-2565	23.35	21.25	0.1334	8.9952	9M00G7D
		16QAM		22.35	20.25	0.1059	8.9737	8M97W7D
		64QAM		21.20	19.10	0.0813	8.9947	8M99W7D
	15	QPSK	2507.5-2562.5	23.39	21.29	0.1346	13.473	13M5G7D
		16QAM		22.38	20.28	0.1067	13.502	13M5W7D
		64QAM		21.28	19.18	0.0828	13.473	13M5W7D
20	QPSK	2510-2560	23.44	21.34	0.1361	17.964	18M0G7D	

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Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		ERP/EIRP (W)	99% BW (MHz)	Emission Designator	
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)				
12		16QAM		22.48	20.38	0.1091	17.951	18M0W7D	
		64QAM		21.35	19.25	0.0841	17.952	18M0W7D	
	1.4	QPSK	699.7-715.3	23.85	18.60	0.0724	1.0989	1M10G7D	
		16QAM		22.69	17.44	0.0555	1.0994	1M10W7D	
		64QAM		21.97	16.72	0.0470	1.0981	1M10W7D	
	3	QPSK	700.5-714.5	23.68	18.43	0.0697	2.6873	2M69G7D	
		16QAM		22.72	17.47	0.0558	2.6886	2M69W7D	
		64QAM		21.81	16.56	0.0453	2.6870	2M69W7D	
	5	QPSK	701.5-713.5	24.00	18.75	0.0750	4.5071	4M51G7D	
		16QAM		23.01	17.76	0.0597	4.5200	4M52W7D	
		64QAM		21.86	16.61	0.0458	4.5175	4M52W7D	
	10	QPSK	704-711	24.21	18.96	0.0787	8.9727	8M97G7D	
		16QAM		23.02	17.77	0.0598	8.9861	8M99W7D	
		64QAM		21.94	16.69	0.0467	8.9879	8M99W7D	
	13	5	QPSK	779.5-784.5	24.12	18.67	0.0736	4.5024	4M50G7D
			16QAM		23.07	17.62	0.0578	4.5150	4M52W7D
			64QAM		22.06	16.61	0.0458	4.5030	4M50W7D
		10	QPSK	782-782	24.13	18.68	0.0738	8.9531	8M95G7D
16QAM			23.01		17.56	0.0570	8.9511	8M95W7D	
64QAM			22.04		16.59	0.0456	8.9387	8M94W7D	
17	5	QPSK	706.5-713.5	24.13	18.58	0.0721	4.5069	4M51G7D	
		16QAM		23.13	17.58	0.0573	4.5179	4M52W7D	
		64QAM		21.89	16.34	0.0431	4.5190	4M52W7D	
	10	QPSK	709-711	24.13	18.58	0.0721	8.9794	8M98G7D	
		16QAM		23.05	17.50	0.0562	8.9867	8M99W7D	
		64QAM		21.93	16.38	0.0435	8.9751	8M98W7D	
66	1.4	QPSK	1710.7-1779.3	23.33	21.53	0.1422	1.0979	1M10G7W	
		16QAM		22.16	20.36	0.1086	1.0978	1M10D7W	
		64QAM		21.48	19.68	0.0929	1.0990	1M10D7W	
	3	QPSK	1711.5-1778.5	23.16	21.36	0.1368	2.6899	2M69G7D	
		16QAM		22.16	20.36	0.1086	2.6861	2M69W7D	
		64QAM		21.36	19.56	0.0904	2.6853	2M69W7D	
	5	QPSK	1712.5-1777.5	23.47	21.67	0.1469	4.5056	4M51G7D	
		16QAM		22.47	20.67	0.1167	4.5117	4M51W7D	
		64QAM		21.48	19.68	0.0929	4.5154	4M52W7D	
	10	QPSK	1715-1775	23.43	21.63	0.1455	8.9784	8M98G7D	
		16QAM		22.48	20.68	0.1169	8.9862	8M99W7D	
		64QAM		22.48	20.68	0.1169	8.9744	8M97W7D	
	15	QPSK	1717.5-1772.5	23.44	21.64	0.1459	13.492	13M5G7D	

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Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		ERP/EIRP (W)	99% BW (MHz)	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)			
		16QAM	1720-1770	22.48	20.68	0.1169	13.474	13M5W7D
		64QAM		21.49	19.69	0.0931	13.485	13M5W7D
	20	QPSK		23.49	21.69	0.1476	17.947	17M9G7D
		16QAM		22.50	20.70	0.1175	17.953	18M0W7D
		64QAM		21.51	19.71	0.0935	17.979	18M0W7D
71	5	QPSK	665.5-695.5	24.46	18.51	0.0710	4.5007	4M50G7D
		16QAM		23.44	17.49	0.0561	4.5097	4M51W7D
		64QAM		22.03	16.08	0.0406	4.5076	4M51W7D
	10	QPSK	668-693	24.39	18.44	0.0698	8.9878	8M99G7D
		16QAM		23.17	17.22	0.0527	8.9818	8M98W7D
		64QAM		22.07	16.12	0.0409	8.9808	8M98W7D
	15	QPSK	670.5-690.5	24.30	18.35	0.0684	13.482	13M5G7D
		16QAM		23.40	17.45	0.0556	13.477	13M5W7D
		64QAM		22.10	16.15	0.0412	13.481	13M5W7D
	20	QPSK	673-688	24.53	18.58	0.0721	18.022	18M0G7D
		16QAM		23.28	17.33	0.0541	17.979	18M0W7D
		64QAM		22.19	16.24	0.0421	18.008	18M0W7D

Summary of Results:							
Band	BW (MHz)	Frequency Range (MHz)	Max RF Output Power (dBm)		Type of Emission		
			Conducted (Average)	ERP/EIRP (Average)	QPSK	16QAM	64QAM
CA_7C	10+20	2505.5-2560.0	23.50	21.40	27M9G7W	27M8D7W	27M8D7W
	20+10		23.50	21.40	27M8G7W	27M9D7W	27M9D7W
	15+10		23.51	21.41	23M2G7W	23M2D7W	23M1D7W
	15+15		23.51	21.41	28M4G7W	28M4D7W	28M4D7W
	15+20		23.48	21.38	32M7G7W	32M7D7W	32M7D7W
	20+15		23.49	21.39	32M8G7W	32M7D7W	32M8D7W
	20+20		23.46	21.36	37M7G7W	37M7D7W	37M8D7W

## 1.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below.

### 1) Support Equipment

Description	Manufacturer	Model No.	Serial Number	Supplied by
--	--	--	--	--

### 2) Support Cable

Cable No.	Description	Connector	Length	Supplied by
1	Antenna Cable	SMA	0.1 Meter	UnionTrust

## 1.5 TEST LOCATION

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### Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China, China 518109

Telephone: +86 (0) 755 2823 0888

Fax: +86 (0) 755 2823 0886

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## 1.6 TEST FACILITY

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The test facility is recognized, certified, or accredited by the following organizations:

### CNAS-Lab Code: L9069

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

### A2LA-Lab Certificate No.: 4312.01

Shenzhen UnionTrust Quality and Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

### ISED Wireless Device Testing Laboratories

CAB identifier: CN0032

### FCC Accredited Lab.

Designation Number: CN1194

Test Firm Registration Number: 259480

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## 1.7 DEVIATION FROM STANDARDS

None.

## 1.8 ABNORMALITIES FROM STANDARD CONDITIONS

None.

### Shenzhen UnionTrust Quality and Technology Co., Ltd.

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### 1.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER

None.

### 1.10 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Measurement Uncertainty
1	Conducted Output Power	±0.7 dB
2	99%&26dB Bandwidth	±1.86 %
3	Emission Mask	±2.7 dBm
4	Spurious emissions at antenna terminals	±2.7 dBm
5	Field strength of spurious radiation	30 MHz-1 GHz: ±4.9 dB 1 GHz-18 GHz: ±4.8 dB 18 GHz-40 GHz: ±5.1 dB
6	Frequency stability	±6.5 x 10 <sup>-8</sup>
7	Humidity	±3.9 %
8	Temperature	±0.62 °C
9	DC Voltages	±0.68 %

## 2. TEST SUMMARY

FCC 47 CFR Part 24 Test Cases (Band 2)			
Test Item	Test Requirement	Test Method	Result
Equivalent Isotropic Radiated Power (EIRP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 24.232(c)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 24.232(c)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 24.232(d)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h) & FCC 47 CFR Part 24.238(b)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 24.238(a)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 24.238(a)(b)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 24.238(a)(b)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 24.235	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 27 Test Cases (LTE Band 4 & Band 66)			
Test Item	Test Requirement	Test Method	Result
Equivalent Isotropic Radiated Power (EIRP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(d)(4)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(d)(4)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 27.50(d)(5)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h) & FCC 47 CFR Part 27.53(h)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 27.53(h)(1)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53(h)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53(h)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 27.54	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 22 Test Cases (Band 5)			
Test Item	Test Requirement	Test Method	Result
Effective Radiated Power (ERP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 22.913(a)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 22.913(a)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 22.913(a)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 22.917(a)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 22.917(a)(b)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 22.917(a)(b)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 22.355	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 27 Test Cases (LTE Band 7)			
Test Item	Test Requirement	Test Method	Result
Equivalent Isotropic Radiated Power (EIRP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(h)(2)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(h)(2)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 27.50(d)(5)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 27.53(m)(4)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53(m)(4)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53(m)(4)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 27.54	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 27 Test Cases (LTE Band 12& 17)			
Test Item	Test Requirement	Test Method	Result
Effective Radiated Power (ERP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(c)(10)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(c)(10)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 27.50(d)(5)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h) & FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 27.54	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 27 Test Cases (LTE Band 13)			
Test Item	Test Requirement	Test Method	Result
Effective Radiated Power (ERP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(b)(10)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(b)(10)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 27.50(d)(5)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 27.53	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 27.54	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 27 Test Cases (LTE Band 71)			
Test Item	Test Requirement	Test Method	Result
Effective Radiated Power (ERP)	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(c)(10)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(c)(10)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	FCC 47 CFR Part 27.50(d)(5)	KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h) & FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53(g)	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 27.54	ANSI C63.26-2015 & KDB 971168 D01v03r01	PASS

**Disclaimer and Explanations:**

The declared of product specification and data (e.g. antenna gain, RF specification, etc) for EUT presented in the report are provided by the customer, and the customer takes all the responsibilities for the accuracy of product specification.

### 3. EQUIPMENT LIST

Radiated Emission Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
<input checked="" type="checkbox"/>	3m SAC	ETS-LINDGREN	3M	Euroshiedpn-CT001270-1317	11-Nov-2023	10-Nov-2026
<input checked="" type="checkbox"/>	Receiver	R&S	ESIB26	100114	25-Oct-2024	24-Oct-2025
<input checked="" type="checkbox"/>	Broadband Antenna	ETS-LINDGREN	3142E	00201566	29-Oct-2024	28-Oct-2025
<input checked="" type="checkbox"/>	6dB Attenuator	Talent	RA6A5-N-18	18103001	29-Oct-2024	28-Oct-2025
<input checked="" type="checkbox"/>	Preamplifier	HP	8447F	2805A02960	25-Oct-2024	24-Oct-2025
<input checked="" type="checkbox"/>	Double-Ridged Waveguide Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3116C-PA	00202652	28-Oct-2024	27-Oct-2025
<input checked="" type="checkbox"/>	Pre-amplifier	ETS-Lindgren	00118384	00202652	28-Oct-2024	27-Oct-2025
<input checked="" type="checkbox"/>	Double-Ridged Waveguide Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3117-PA	00201541	29-Mar-2025	28-Mar-2026
<input checked="" type="checkbox"/>	Pre-amplifier	ETS-Lindgren	00118385	00201874	28-Mar-2025	27-Mar-2026
<input checked="" type="checkbox"/>	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
<input checked="" type="checkbox"/>	Test Software	Audix	e3	Software Version: 9.160323		

RF Conducted Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
<input checked="" type="checkbox"/>	EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY51440197	28-Mar-2025	27-Mar-2026
<input checked="" type="checkbox"/>	DC Source	KIKUSUI	PWR400L	LK003024	N/A	N/A
<input checked="" type="checkbox"/>	Digital multimeter	FLUKE	15B+	30701460WS15	29-Oct-2024	28-Oct-2025
<input checked="" type="checkbox"/>	Temp & Humidity chamber	Votisch	VT4002	58566133290020	28-Mar-2025	27-Mar-2026
<input checked="" type="checkbox"/>	Wideband Radio Communication Tester	R&S	CMW500	119583	28-Mar-2025	27-Mar-2026
<input checked="" type="checkbox"/>	Wideband Radio Communication Tester	R&S	CMW500	120932	28-Mar-2025	27-Mar-2026

## 4. TEST CONFIGURATION

### 4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

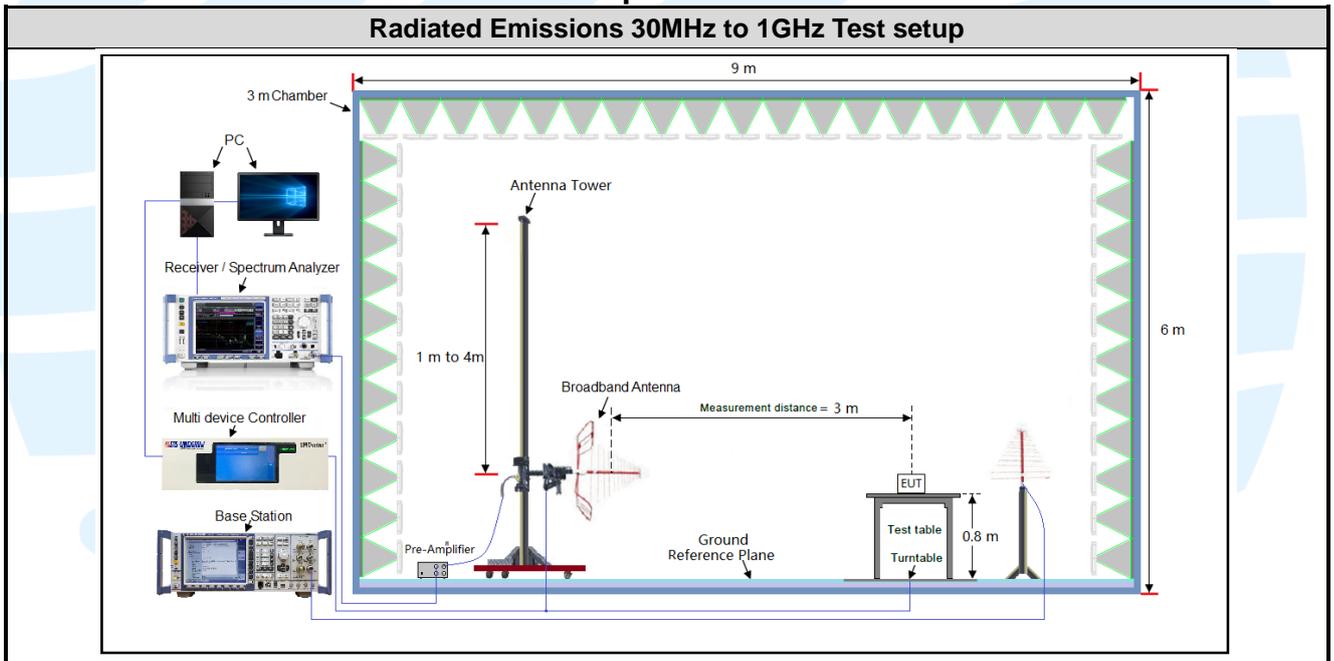
Test Environment	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage (V)	Relative Humidity (%)
TN/VN	+15 to +35	3.87	20 to 75
TL/VL	-30	3.4	20 to 75
TH/VL	+50	3.4	20 to 75
TL/VH	-30	4.45	20 to 75
TH/VH	+50	4.45	20 to 75

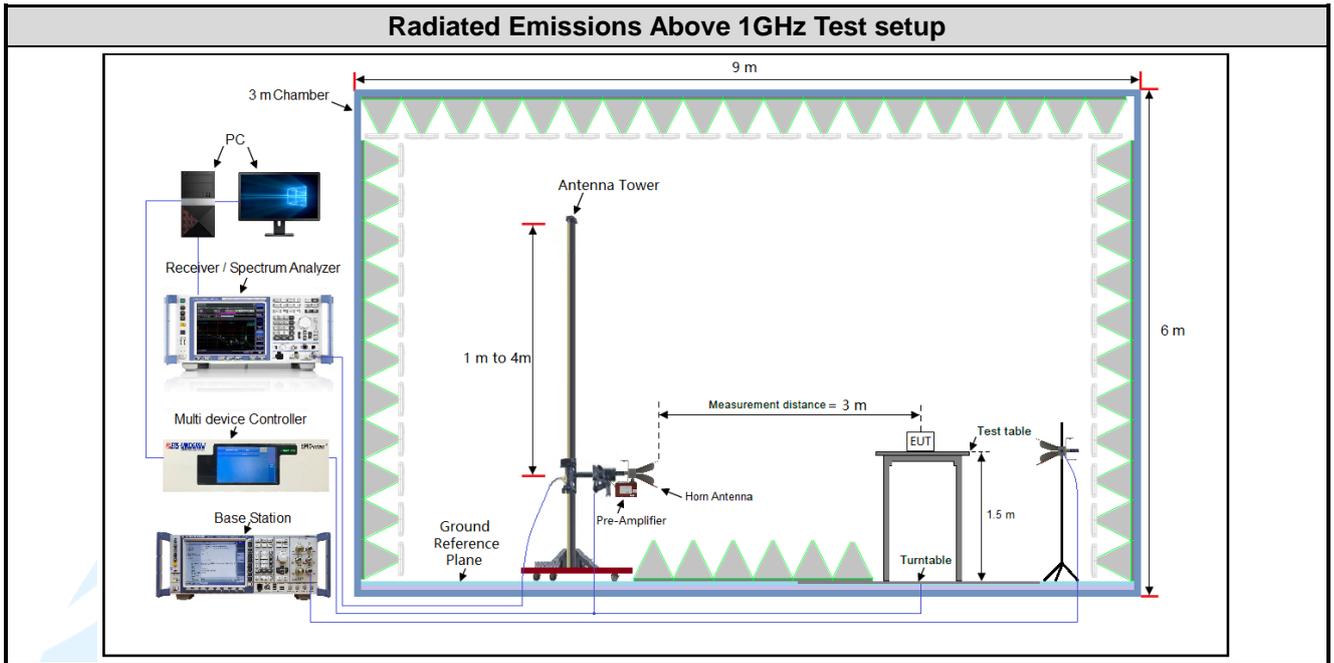
**Remark:**

- 1) The EUT just work in such extreme temperature of -30 °C to +50 °C and the extreme voltage of 3.4 V to 4.45 V, so here the EUT is tested in the temperature of -30 °C to +50 °C and the voltage of 3.4 V to 4.45 V.
- 2) VN: Normal Voltage; TN: Normal Temperature;  
 TL: Low Extreme Test Temperature; TH: High Extreme Test Temperature;  
 VL: Low Extreme Test Voltage; VH: High Extreme Test Voltage.

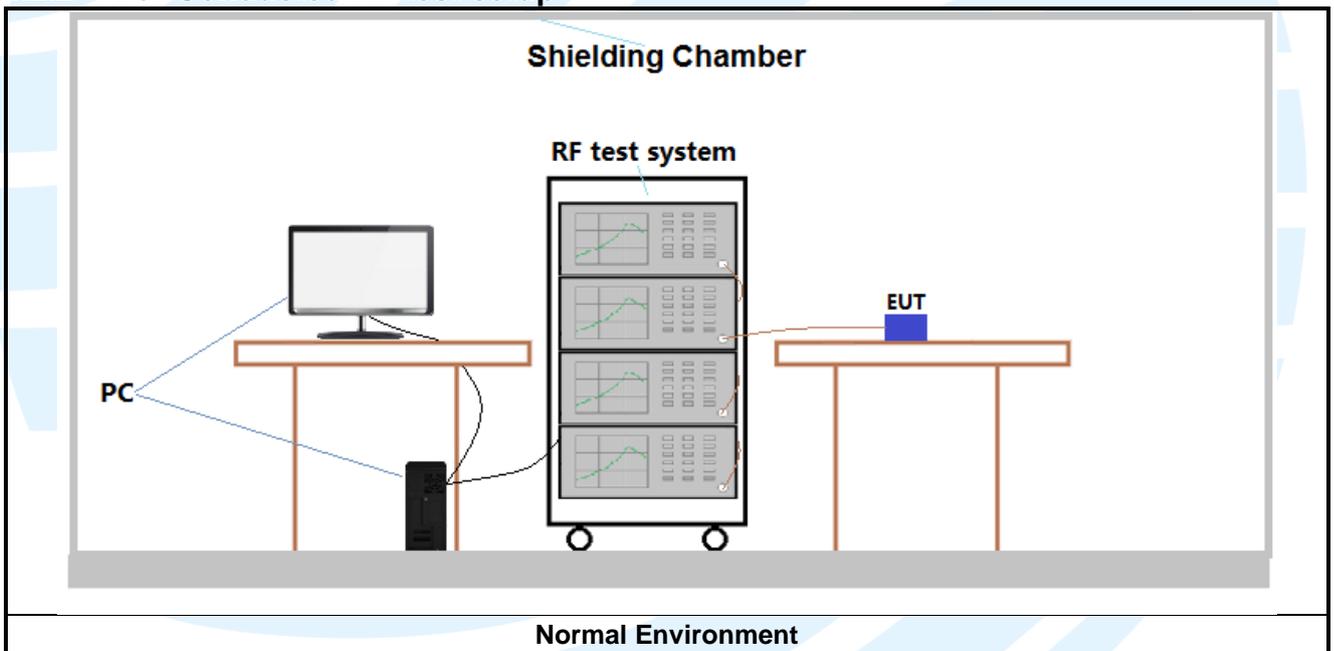
### 4.2 TEST SETUP

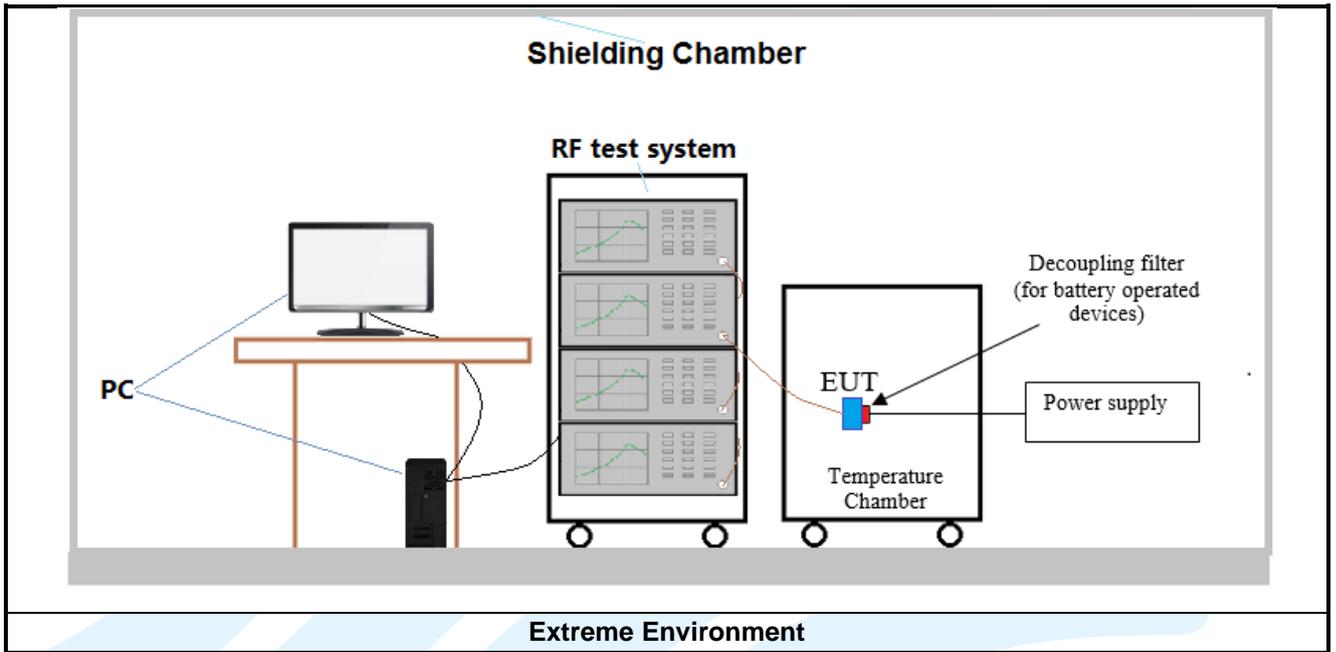
#### 4.2.1 For Radiated Emissions test setup





4.2.2 For Conducted RF test setup





### 4.3 TEST CHANNELS

Band	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink (MHz)	
LTE Band 2 TX: 1850-1910MHz	Low Range	1.4	18607	1850.7	
		3	18615	1851.5	
		5	18625	1852.5	
		10	18650	1855	
		15	18675	1857.5	
		20	18700	1860	
	Middle Range	1.4/3/5/10/15/20	18900	1880	
	High Range	1.4	19193	1909.3	
		3	19185	1908.5	
		5	19175	1907.5	
		10	19150	1905	
		15	19125	1902.5	
		20	19100	1900	
LTE Band 4 TX: 1710-1755MHz	Low Range	1.4	19957	1710.7	
		3	19965	1711.5	
		5	19975	1712.5	
		10	20000	1715	
		15	20025	1717.5	
		20	20050	1720	
	Middle Range	1.4/3/5/10/ 15/20	20175	1732.5	
	High Range	1.4	20393	1754.3	
		3	20385	1753.5	
		5	20375	1752.5	
		10	20350	1750	
		15	20325	1747.5	
		20	20300	1745	
LTE band 5 TX: 824–849MHz	Low Range	1.4	20407	824.7	
		3	20415	825.5	
		5	20425	826.5	
		10	20450	829	
	Middle Range	1.4/3/5/10	20525	836.5	
	High Range	1.4	20643	848.3	
		3	20635	847.5	
		5	20625	846.5	
		10	20600	844	
		LTE Band 7 TX: 2500-2570MHz	Low Range	5	20775
10				20800	2505
15	20825			2507.5	
20	20850			2510	
Middle Range	5/10/15/20		21100	2535	
High Range	5		21425	2567.5	
	10		21400	2565	
	15	21375	2562.5		

		20	21350	2560
LTE Band 12 TX: 699-716MHz	Low Range	1.4	23017	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Middle Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
10		23130	711	
LTE Band 13 TX: 777-787MHz	Low Range	5	23205	779.5
		10	23230	782
	Middle Range	5/10	23230	782
	High Range	5	23255	784.5
10		23230	782	
LTE Band 17 TX: 704-716MHz	Low Range	5	23755	706.5
		10	23780	709
	Middle Range	5/10	23790	710
	High Range	5	23825	713.5
10		23800	711	
LTE Band 66 TX: 1710-1780MHz	Low Range	1.4	131979	1710.7
		3	131987	1711.5
		5	131997	1712.5
		10	132022	1715
		15	132047	1717.5
		20	132072	1720
	Middle Range	1.4/3/5/10/ 15/20	132322	1745
	High Range	1.4	132665	1779.3
		3	132657	1778.5
		5	132647	1777.5
		10	132622	1775
		15	132597	1772.5
20		132572	1770	
LTE Band 71 TX: 663-698MHz	Low Range	5	133147	665.5
		10	133172	668
		15	133197	670.5
		20	133222	673
	Middle Range	5/10/15	133297	680.5
		20	133322	683
	High Range	5	133447	695.5
		10	133422	693
		15	133397	690.5
		20	133372	688

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CA Band	Test Frequency ID	Channel Bandwidth	PCC			SCC1		
			BW (RB)	Number (UL)	Frequency of Uplink (MHz)	BW (RB)	Number (UL)	Frequency of Uplink (MHz)
CA_7C	Low Range	10+20	50	20805	2505.5	100	20949	2519.9
		20+10	100	20850	2510	50	20994	2524.4
		15+10	75	20825	2507.5	50	20945	2519.5
		15+15	75	20825	2507.5	75	20975	2522.5
		15+20	75	20828	2507.8	100	20999	2524.9
		20+15	100	20850	2510	75	21021	2527.1
		20+20	100	20850	2510	100	21048	2529.8
	Middle Range	10+20	50	21006	2525.6	100	21150	2540
		20+10	100	21051	2530.1	50	21195	2544.5
		15+10	75	21051	2530.1	50	21171	2542.1
		15+15	75	21025	2527.5	75	21175	2542.5
		15+20	75	21003	2525.3	100	21174	2542.4
		20+15	100	21026	2527.6	75	21197	2544.7
		20+20	100	21001	2525.1	100	21199	2544.9
	High Range	10+20	50	21206	2545.6	100	21350	2560
		20+10	100	21251	2550.1	50	21395	2564.5
		15+10	75	21277	2552.7	50	21397	2564.7
		15+15	75	21225	2547.5	75	21375	2562.5
		15+20	75	21179	2542.9	100	21350	2560
		20+15	100	21201	2545.1	75	21372	2562.2
		20+20	100	21152	2540.2	100	21350	2560

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#### 4.4 SYSTEM TEST CONFIGURATION

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. It was powered by a 3.87Vdc battery. Only the worst case data were recorded in this test report.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, X/Y/Z axis, and antenna ports.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000MHz. The resolution is 1 MHz or greater for frequencies above 1000MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

### 4.5 PRE-SCAN

Pre-scan all bandwidth and RB, find worse case mode are chosen to the report, the LTE worse case mode applicability and tested channel detail as below:

Item	Band	Bandwidth(MHz)						Modulation			RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Conducted output power	2	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☒	☒	☒	☒	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☒
	13	-	-	☒	☒	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☒
	66	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
99%&26dB Bandwidth	2	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☒	☐	☐	☒	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☒	☐	☐	☒	☒	☒	☒
	13	-	-	☒	☒	-	-	☒	☒	☒	☐	☐	☒	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☒	☐	☐	☒	☒	☒	☒
	66	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒

Item	Band	Bandwidth(MHz)						Modulation			RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
peak-to-average ratio	2	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☐	☒	☐
	4	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☐	☒	☐
	5	☒	☒	☒	☒	--	--	☒	☒	☒	☐	☐	☒	☐	☒	☐
	7	-	-	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☐	☒	☐
	12	☒	☒	☒	☒	-	-	☒	☒	☒	☐	☐	☒	☐	☒	☐
	13	-	-	☐	☒	-	-	☒	☒	☒	☐	☐	☒	☐	☒	☐
	17	-	-	☒	☒	-	-	☒	☒	☒	☐	☐	☒	☐	☒	☐
	66	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☐	☒	☐
	71	-	-	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☐	☒	☐
Band Edge at antenna terminals	2	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☐	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☐	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☒	☒	☐	☒	☒	☐	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☐	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☒	☒	☐	☒	☒	☐	☒
	13	-	-	☒	☒	-	-	☒	☒	☒	☒	☐	☐	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☒	☒	☐	☒	☒	☐	☒
	66	☒	☒	☒	☒	☒	--	☒	☒	☒	☒	☐	☒	☒	☐	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☐	☒
Item	Band	Bandwidth(MHz)						Modulation			RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Spurious emissions at antenna terminals	2	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☒	☒	☐	☐	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☒	☒	☐	☐	☒	☒	☒
	13	-	-	☒	☒	-	-	☒	☒	☒	☒	☐	☐	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☒	☒	☐	☐	☒	☒	☒
	66	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒

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Field strength of spurious radiation	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	--	--	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	7	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	13	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	17	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	66	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	71	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Frequency stability	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	--	--	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	7	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	13	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	17	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	66	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	71	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remark: The mark "☒" means is chosen for testing; The mark "☐" means is not chosen for testing; The mark "-" means is not supported bandwidth																

Item	Band	Combination Bandwidth(MHz)							Modulation			Test Channel		
		10+ 20	20+ 10	15+ 10	15+ 15	15+ 20	20+ 15	20+ 20	QPSK	16QAM	64QAM	L	M	H
Conducted output power	CA_7C	<input checked="" type="checkbox"/>												
99%&26dB Bandwidth	CA_7C	<input checked="" type="checkbox"/>												
Band Edge at antenna terminals	CA_7C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Spurious emissions at antenna terminals	CA_7C	<input checked="" type="checkbox"/>												
Field strength of spurious radiation	CA_7C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Frequency stability	CA_7C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

Remark:  
 The mark “” means is chosen for testing; The mark “” means is not chosen for testing;  
 The mark “-” means is not supported bandwidth

## 5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

### 5.1 REFERENCE DOCUMENTS FOR TESTING

No.	Identity	Document Title
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC 47 CFR Part 22	Public Mobile Services
3	FCC 47 CFR Part 27	Miscellaneous Wireless Communications Services
4	FCC 47 CFR Part 24	Personal Communications Services
5	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
6	KDB 971168 D01	KDB 971168 D01 Power Meas License Digital Systems v03r01

### 5.2 CONDUCTED OUTPUT POWER

FCC 47 CFR Part 2.1046(a)

**LTE Band 2:** FCC 47 CFR Part 24.232(c)

**LTE Band 4 & LTE Band 66:** FCC 47 CFR Part 27.50(d)(4)

**Test Requirement:** **LTE Band 5:** FCC 47 CFR Part 22.913(a)

**LTE Band 7:** FCC 47 CFR Part 27.50(h)(2)

**LTE Band 12 & Band 17 & Band 71:** FCC 47 CFR Part 27.50(c)(10)

**LTE Band 13:** FCC 47 CFR Part 27.50(b)(10)

**Test Method:** KDB 971168 D01v03r01 & ANSI C63.26-2015

**Limit:**

**FCC 47 CFR Part 22.913(a):**

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

**FCC 47 CFR Part 24.232(c):**

Mobile and portable stations are limited to 2 watts EIRP.

**FCC 47 CFR Part 27.50(d)(4):**

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

**FCC 47 CFR Part 27.50(c)(10):**

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

**FCC 47 CFR Part 27.50(h)(2):**

Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

**FCC 47 CFR Part 27.50(b)(10):**

Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

**Test Procedure:**

The EUT was set up for the maximum power with CMW500, and LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

**Test Setup:** Refer to section 4.2.2 for details.

**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass

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**5.2.1 LTE Band 2**

		Conducted Power(dBm)									
Modulation		RB	QPSK			16QAM			64QAM		
Band	Bandwidth (MHz)		18607	18900	19193	18607	18900	19193	18607	18900	19193
			1850.7	1880	1909.3	1850.7	1880	1909.3	1850.7	1880	1909.3
2	1.4	1@0	23.17	23.26	23.18	22.07	22.11	21.92	21.03	21.50	20.90
		1@3	23.10	23.23	23.21	22.14	22.12	21.98	21.17	21.60	21.16
		1@5	23.14	23.21	23.19	22.03	22.08	21.94	20.91	21.45	21.00
		3@0	23.34	23.36	23.32	22.12	22.28	22.11	21.25	21.41	21.51
		3@1	23.32	23.39	23.31	22.13	22.24	22.09	21.34	21.32	21.46
		3@3	23.31	23.34	23.29	22.06	22.23	22.09	21.44	21.35	21.38
		6@0	22.32	22.35	22.26	21.40	21.26	21.27	20.30	20.30	20.29
Band	Bandwidth (MHz)	RB	18615	18900	19185	18615	18900	19185	18615	18900	19185
			1851.5	1880	1908.5	1851.5	1880	1908.5	1851.5	1880	1908.5
2	3	1@0	23.06	23.13	23.07	22.09	22.10	21.85	20.94	21.40	21.01
		1@8	23.19	23.21	23.20	22.24	22.08	21.95	21.18	21.43	21.17
		1@14	23.05	23.12	23.09	22.12	21.95	21.80	20.88	21.38	20.93
		8@0	22.23	22.30	22.27	21.36	21.37	21.31	20.26	20.40	20.49
		8@4	22.23	22.29	22.26	21.35	21.35	21.29	20.29	20.26	20.39
		8@7	22.34	22.34	22.25	21.40	21.36	21.33	20.29	20.39	20.41
		15@0	22.31	22.36	22.25	21.39	21.37	21.24	20.45	20.26	20.34
Band	Bandwidth (MHz)	RB	18625	18900	19175	18625	18900	19175	18625	18900	19175
			1852.5	1880	1907.5	1852.5	1880	1907.5	1852.5	1880	1907.5
2	5	1@0	23.43	23.40	23.38	22.29	22.52	22.23	21.02	21.52	20.89
		1@12	23.55	23.54	23.52	22.46	22.61	22.44	21.13	21.54	21.13
		1@24	23.38	23.37	23.34	22.37	22.46	22.28	20.97	21.35	20.95
		12@0	22.32	22.38	22.33	21.33	21.53	21.39	20.13	20.41	20.59
		12@7	22.27	22.40	22.28	21.37	21.52	21.48	20.35	20.27	20.53
		12@13	22.34	22.36	22.34	21.44	21.54	21.47	20.39	20.48	20.30
		25@0	22.34	22.44	22.36	21.49	21.52	21.51	20.43	20.27	20.34
Band	Bandwidth (MHz)	RB	18650	18900	19150	18650	18900	19150	18650	18900	19150
			1855	1880	1905	1855	1880	1905	1855	1880	1905
2	10	1@0	23.37	23.46	23.44	22.42	22.36	22.16	20.95	21.48	20.88
		1@25	23.44	23.52	23.44	22.50	22.37	22.22	21.20	21.56	21.18
		1@49	23.42	23.43	23.39	22.47	22.30	22.19	20.89	21.41	20.84
		25@0	22.33	22.42	22.34	21.41	21.54	21.48	20.21	20.43	20.61
		25@12	22.33	22.41	22.32	21.39	21.52	21.47	20.30	20.37	20.41
		25@25	22.40	22.39	22.34	21.50	21.54	21.51	20.25	20.42	20.34
		50@0	22.43	22.43	22.45	21.51	21.54	21.54	20.32	20.31	20.37
Band	Bandwidth (MHz)	RB	18675	18900	19125	18675	18900	19125	18675	18900	19125
			1857.5	1880	1902.5	1857.5	1880	1902.5	1857.5	1880	1902.5
2	15	1@0	23.35	23.35	23.44	22.39	22.49	22.22	21.04	21.53	21.03
		1@37	23.48	23.44	23.46	22.50	22.57	22.25	21.23	21.60	21.20
		1@74	23.38	23.30	23.29	22.39	22.45	22.10	20.90	21.42	20.99
		36@0	22.32	22.36	22.39	22.37	22.40	22.40	20.13	20.44	20.66
		36@20	22.36	22.37	22.41	22.39	22.39	22.41	20.34	20.28	20.44
		36@39	22.35	22.39	22.35	22.36	22.41	22.38	20.35	20.47	20.38
		75@0	22.35	22.40	22.38	21.35	21.46	21.45	20.41	20.29	20.43
Band	Bandwidth (MHz)	RB	18700	18900	19100	18700	18900	19100	18700	18900	19100
			1860	1880	1900	1860	1880	1900	1860	1880	1900
2	20	1@0	23.31	23.32	23.30	22.20	22.53	22.13	21.12	21.53	21.08
		1@49	23.74	23.71	23.59	22.41	22.66	22.28	21.32	21.63	21.24
		1@99	23.35	23.36	23.26	22.20	22.54	22.07	21.05	21.48	21.03
		50@0	22.34	22.41	22.54	21.41	21.46	21.70	20.27	20.45	20.68
		50@24	22.37	22.36	22.54	21.42	21.46	21.64	20.38	20.37	20.54
		50@50	22.55	22.41	22.33	21.55	21.55	21.48	20.45	20.51	20.43
		100@0	22.40	22.36	22.41	21.49	21.47	21.51	20.45	20.38	20.47

### 5.2.2 LTE Band 4

		Conducted Power(dBm)									
Band	Modulation	RB	QPSK			16QAM			64QAM		
	Bandwidth (MHz)		19957	20175	20393	19957	20175	20393	19957	20175	20393
			1710.7	1732.5	1754.3	1710.7	1732.5	1754.3	1710.7	1732.5	1754.3
4	1.4	1@0	22.98	22.91	22.90	21.74	21.69	21.86	20.76	21.19	20.59
		1@3	22.97	22.93	22.92	21.84	21.73	21.92	20.87	21.27	20.88
		1@5	22.96	22.89	22.90	21.81	21.65	21.85	20.69	21.14	20.83
		3@0	23.06	23.04	23.09	21.95	21.84	21.87	20.94	20.03	20.01
		3@1	23.07	23.05	23.09	21.91	21.84	21.91	21.00	19.97	20.02
		3@3	23.09	23.05	23.04	21.92	21.78	21.88	21.19	20.04	20.13
		6@0	22.02	22.07	22.09	20.94	21.06	21.13	20.01	20.01	19.92
Band	Bandwidth (MHz)	RB	19965	20175	20385	19965	20175	20385	19965	20175	20385
			1711.5	1732.5	1753.5	1711.5	1732.5	1753.5	1711.5	1732.5	1753.5
4	3	1@0	22.80	22.78	22.82	21.84	21.70	21.56	20.67	21.09	20.70
		1@8	22.91	22.85	22.96	21.91	21.77	21.73	20.88	21.10	20.89
		1@14	22.77	22.80	22.81	21.91	21.68	21.63	20.66	21.07	20.76
		8@0	22.02	21.94	22.03	21.04	20.97	21.06	19.95	20.02	19.99
		8@4	21.99	21.98	22.04	21.08	20.99	21.05	19.95	19.91	19.95
		8@7	22.05	22.00	22.05	21.09	21.00	21.12	20.04	20.08	20.16
		15@0	22.08	22.01	22.08	21.12	21.00	21.02	20.16	19.97	19.97
Band	Bandwidth (MHz)	RB	19975	20175	20375	19975	20175	20375	19975	20175	20375
			1712.5	1732.5	1752.5	1712.5	1732.5	1752.5	1712.5	1732.5	1752.5
4	5	1@0	23.10	23.02	23.09	22.05	22.19	22.00	20.75	21.21	20.58
		1@12	23.07	23.13	23.03	22.16	22.27	22.12	20.83	21.21	20.85
		1@24	23.11	23.00	23.10	22.13	22.11	22.08	20.75	21.04	20.78
		12@0	22.05	22.05	22.13	21.09	21.13	21.14	19.82	20.03	20.09
		12@7	22.10	22.08	22.17	21.08	21.12	21.14	20.01	19.92	20.09
		12@13	22.11	22.13	22.17	21.17	21.25	21.17	20.14	20.17	20.05
		25@0	22.06	22.09	22.13	21.18	21.14	21.21	20.14	19.98	19.97
Band	Bandwidth (MHz)	RB	20000	20175	20350	20000	20175	20350	20000	20175	20350
			1715	1732.5	1750	1715	1732.5	1750	1715	1732.5	1750
4	10	1@0	23.04	23.10	23.08	22.08	22.04	21.85	20.68	21.17	20.57
		1@25	23.13	23.16	23.15	22.21	22.02	21.92	20.90	21.23	20.90
		1@49	23.13	23.15	23.18	22.22	22.05	21.96	20.67	21.10	20.67
		25@0	22.06	22.04	22.05	21.12	21.13	21.15	19.90	20.05	20.11
		25@12	22.01	22.05	22.04	21.08	21.11	21.17	19.96	20.02	19.97
		25@25	22.13	22.13	22.16	21.18	21.25	21.22	20.00	20.11	20.09
		50@0	22.14	22.13	22.13	21.17	21.20	21.15	20.03	20.02	20.00
Band	Bandwidth (MHz)	RB	20025	20175	20325	20025	20175	20325	20025	20175	20325
			1717.5	1732.5	1747.5	1717.5	1732.5	1747.5	1717.5	1732.5	1747.5
4	15	1@0	23.04	22.98	23.04	22.12	22.13	21.84	20.77	21.22	20.72
		1@37	23.21	23.04	23.16	22.26	22.27	21.97	20.93	21.27	20.92
		1@74	23.07	22.96	23.14	22.17	22.15	21.93	20.68	21.11	20.82
		36@0	22.19	22.11	22.17	22.12	22.11	22.23	19.82	20.06	20.16
		36@20	22.15	22.12	22.17	22.13	22.13	22.17	20.00	19.93	20.00
		36@39	22.15	22.12	22.19	22.09	22.08	22.21	20.10	20.16	20.13
		75@0	22.10	22.09	22.16	21.11	21.15	21.17	20.12	20.00	20.06
Band	Bandwidth (MHz)	RB	20050	20175	20300	20050	20175	20300	20050	20175	20300
			1720	1732.5	1745	1720	1732.5	1745	1720	1732.5	1745
4	20	1@0	23.01	22.99	22.95	21.93	22.22	21.82	20.85	21.22	20.77
		1@50	23.24	23.16	23.13	22.11	22.33	22.00	21.02	21.30	20.96
		1@99	23.04	23.04	23.02	21.98	22.23	21.90	20.83	21.17	20.86
		50@0	22.08	22.03	22.11	21.10	21.08	21.20	19.96	20.07	20.18
		50@25	22.07	22.07	22.07	21.08	21.11	21.20	20.04	20.02	20.10
		50@50	22.23	22.19	22.14	21.30	21.24	21.23	20.20	20.20	20.18
		100@0	22.15	22.12	22.14	21.20	21.18	21.14	20.16	20.09	20.10

### 5.2.3 LTE Band 5

		Conducted Power(dBm)									
Modulation		QPSK			16QAM			64QAM			
Band	Bandwidth (MHz)	RB	20407	20525	20643	20407	20525	20643	20407	20525	20643
			824.7	836.5	848.3	824.7	836.5	848.3	824.7	836.5	848.3
5	1.4	1@0	23.68	23.69	23.62	22.62	22.47	22.37	21.65	21.60	21.38
		1@3	23.63	23.66	23.61	22.61	22.51	22.38	21.76	21.64	21.48
		1@5	23.62	23.68	23.60	22.54	22.44	22.30	21.76	21.37	21.36
		3@0	23.83	23.80	23.82	22.59	22.62	22.51	21.64	21.87	21.68
		3@1	23.79	23.83	23.77	22.57	22.58	22.55	21.62	21.72	21.71
		3@3	23.76	23.81	23.75	22.59	22.60	22.49	21.76	21.72	21.77
		6@0	22.80	22.81	22.74	21.84	21.70	21.79	20.80	20.73	20.54
Band	Bandwidth (MHz)	RB	20415	20525	20635	20415	20525	20635	20415	20525	20635
			825.5	836.5	847.5	825.5	836.5	847.5	825.5	836.5	847.5
5	3	1@0	23.52	23.53	23.57	22.48	22.43	22.24	21.67	21.57	21.42
		1@8	23.64	23.61	23.65	22.60	22.47	22.37	21.78	21.60	21.54
		1@14	23.55	23.57	23.50	22.52	22.37	22.25	21.84	21.46	21.35
		8@0	22.74	22.73	22.66	21.81	21.72	21.68	20.64	20.68	20.83
		8@4	22.70	22.68	22.69	21.82	21.70	21.68	20.69	20.70	20.62
		8@7	22.70	22.69	22.72	21.81	21.69	21.71	20.70	20.66	20.77
		15@0	22.76	22.76	22.74	21.84	21.66	21.72	20.78	20.70	20.72
Band	Bandwidth (MHz)	RB	20425	20525	20625	20425	20525	20625	20425	20525	20625
			826.5	836.5	846.5	826.5	836.5	846.5	826.5	836.5	846.5
5	5	1@0	23.87	23.78	23.87	22.80	22.85	22.77	21.60	21.68	21.37
		1@12	23.91	23.89	23.95	22.88	23.02	22.81	21.69	21.62	21.56
		1@24	23.83	23.79	23.76	22.75	22.89	22.76	21.85	21.39	21.23
		12@0	22.74	22.87	22.77	21.80	21.95	21.87	20.72	20.78	20.82
		12@7	22.75	22.88	22.81	21.83	21.91	21.82	20.64	20.70	20.52
		12@13	22.83	22.75	22.78	21.87	21.89	21.86	20.78	20.79	20.66
		25@0	22.80	22.78	22.81	21.92	21.88	21.86	20.83	20.78	20.57
Band	Bandwidth (MHz)	RB	20450	20525	20600	20450	20525	20600	20450	20525	20600
			829	836.5	844	829	836.5	844	829	836.5	844
5	10	1@0	23.86	23.89	23.80	22.84	22.66	22.59	21.74	21.69	21.50
		1@25	23.85	23.90	23.98	22.93	22.72	22.64	21.83	21.69	21.62
		1@49	23.84	23.88	23.86	22.91	22.67	22.59	21.90	21.55	21.43
		25@0	22.63	22.83	22.68	21.74	21.94	21.82	20.75	20.88	20.84
		25@12	22.64	22.84	22.73	21.72	21.90	21.86	20.70	20.82	20.71
		25@25	22.81	22.81	22.82	21.86	21.85	21.94	20.84	20.84	20.82
		50@0	22.78	22.85	22.80	21.83	21.88	21.87	20.85	20.85	20.74

**5.2.4 LTE Band 7**

		Conducted Power(dBm)									
Modulation		RB	QPSK			16QAM			64QAM		
Band	Bandwidth (MHz)		20775	21100	21425	20775	21100	21425	20775	21100	21425
			2502.5	2535	2567.5	2502.5	2535	2567.5	2502.5	2535	2567.5
7	5	1@0	23.30	23.34	23.20	22.16	22.23	22.19	20.90	20.95	21.30
		1@12	23.43	23.38	23.28	22.35	22.36	22.34	21.02	21.22	21.26
		1@24	23.30	23.28	23.18	22.22	22.19	22.24	21.08	20.88	20.89
		12@0	22.21	22.27	22.21	21.16	21.22	21.27	20.06	20.06	20.06
		12@7	22.22	22.25	22.26	21.13	21.20	21.22	19.80	20.20	20.17
		12@13	22.26	22.27	22.19	21.18	21.20	21.18	20.01	20.17	19.97
		25@0	22.26	22.25	22.21	21.26	21.29	21.15	20.11	20.17	20.02
Band	Bandwidth (MHz)	RB	20800	21100	21400	20800	21100	21400	20800	21100	21400
			2505	2535	2565	2505	2535	2565	2505	2535	2565
7	10	1@0	23.28	23.32	23.31	22.30	22.28	22.11	20.86	20.95	21.19
		1@25	23.31	23.32	23.34	22.28	22.31	22.13	21.12	21.20	21.19
		1@49	23.29	23.35	23.32	22.35	22.34	22.11	21.06	21.02	20.95
		25@0	22.20	22.27	22.30	21.14	21.30	21.33	20.05	20.14	20.17
		25@12	22.19	22.30	22.34	21.20	21.27	21.33	19.86	20.23	20.19
		25@25	22.31	22.33	22.22	21.31	21.30	21.22	20.04	20.08	19.92
		50@0	22.32	22.34	22.29	21.25	21.37	21.28	20.09	20.20	19.95
Band	Bandwidth (MHz)	RB	20825	21100	21375	20825	21100	21375	20825	21100	21375
			2507.5	2535	2562.5	2507.5	2535	2562.5	2507.5	2535	2562.5
7	15	1@0	23.26	23.33	23.17	22.24	22.28	22.32	21.00	20.98	21.28
		1@37	23.36	23.39	23.27	22.32	22.36	22.38	21.01	21.25	21.17
		1@74	23.25	23.28	23.12	22.19	22.28	22.23	21.10	20.92	20.89
		36@0	22.26	22.38	22.32	22.34	22.33	22.29	20.03	19.99	20.24
		36@20	22.30	22.40	22.29	22.30	22.34	22.30	19.81	20.28	20.19
		36@39	22.30	22.40	22.29	22.31	22.36	22.33	20.03	20.02	19.91
		75@0	22.26	22.35	22.34	21.19	21.29	21.28	20.17	20.15	19.88
Band	Bandwidth (MHz)	RB	20850	21100	21350	20850	21100	21350	20850	21100	21350
			2510	2535	2560	2510	2535	2560	2510	2535	2560
7	20	1@0	23.22	23.27	23.22	22.07	22.11	22.31	21.06	21.07	21.32
		1@49	23.36	23.41	23.44	22.24	22.28	22.48	21.15	21.29	21.35
		1@99	23.22	23.29	23.21	22.11	22.19	22.24	21.13	21.08	21.09
		50@0	22.09	22.30	22.35	21.10	21.28	21.21	20.09	20.16	20.25
		50@24	22.12	22.28	22.19	21.08	21.27	21.20	19.97	20.30	20.22
		50@50	22.27	22.29	22.19	21.22	21.31	21.16	20.15	20.19	20.06
		100@0	22.17	22.29	22.23	21.16	21.28	21.19	20.19	20.24	20.06

**5.2.5 LTE Band 12**

		Conducted Power(dBm)									
Modulation		QPSK			16QAM			64QAM			
Band	Bandwidth (MHz)	RB	23017	23095	23173	23017	23095	23173	23017	23095	23173
			699.7	707.5	715.3	699.7	707.5	715.3	699.7	707.5	715.3
12	1.4	1@0	23.66	23.70	23.73	22.41	22.60	22.53	21.79	21.62	21.54
		1@3	23.73	23.70	23.70	22.45	22.62	22.54	21.76	21.59	21.47
		1@5	23.69	23.63	23.70	22.44	22.54	22.57	21.68	21.41	21.50
		3@0	23.79	23.82	23.83	22.62	22.61	22.69	21.71	21.66	21.94
		3@1	23.80	23.81	23.82	22.56	22.65	22.65	21.68	21.58	21.88
		3@3	23.85	23.80	23.78	22.58	22.62	22.56	21.97	21.66	21.91
		6@0	22.87	22.90	22.91	21.86	21.92	21.74	20.65	20.57	20.86
Band	Bandwidth (MHz)	RB	23025	23095	23165	23025	23095	23165	23025	23095	23165
			700.5	707.5	714.5	700.5	707.5	714.5	700.5	707.5	714.5
12	3	1@0	23.49	23.59	23.59	22.51	22.50	22.32	21.70	21.70	21.50
		1@8	23.65	23.68	23.64	22.72	22.55	22.43	21.81	21.72	21.40
		1@14	23.51	23.62	23.52	22.59	22.37	22.28	21.70	21.55	21.41
		8@0	22.73	22.78	22.82	21.77	21.74	21.78	20.66	20.67	20.89
		8@4	22.73	22.80	22.79	21.76	21.75	21.77	20.66	20.58	20.89
		8@7	22.84	22.78	22.87	21.83	21.78	21.81	20.86	20.73	20.79
		15@0	22.81	22.80	22.83	21.85	21.76	21.76	20.81	20.68	20.72
Band	Bandwidth (MHz)	RB	23035	23095	23155	23035	23095	23155	23035	23095	23155
			701.5	707.5	713.5	701.5	707.5	713.5	701.5	707.5	713.5
12	5	1@0	23.84	23.82	23.82	22.80	22.88	22.80	21.78	21.76	21.58
		1@12	23.96	23.92	24.00	22.92	23.01	22.94	21.86	21.75	21.31
		1@24	23.94	23.82	23.82	22.91	22.90	22.75	21.64	21.39	21.52
		12@0	22.87	22.89	22.92	21.90	21.91	21.92	20.65	20.72	21.00
		12@7	22.90	22.89	22.90	21.87	21.90	22.02	20.70	20.57	20.90
		12@13	22.93	22.81	22.91	21.96	21.86	21.91	20.97	20.69	20.93
		25@0	22.91	22.83	22.91	21.94	21.88	22.02	20.74	20.65	20.78
Band	Bandwidth (MHz)	RB	23060	23095	23130	23060	23095	23130	23060	23095	23130
			704	707.5	711	704	707.5	711	704	707.5	711
12	10	1@0	23.82	23.95	23.87	22.86	22.78	22.66	21.82	21.77	21.62
		1@25	23.95	24.21	23.90	23.02	22.77	22.67	21.94	21.76	21.49
		1@49	23.87	23.91	23.87	22.94	22.73	22.68	21.79	21.56	21.60
		25@0	22.85	22.83	22.94	21.85	21.88	22.02	20.75	20.80	21.01
		25@12	22.85	22.81	22.91	21.86	21.87	22.00	20.78	20.72	20.95
		25@25	22.96	22.74	22.89	22.01	21.81	21.95	20.99	20.75	20.94
		50@0	22.94	22.80	22.97	21.96	21.85	21.96	20.85	20.75	20.87

**5.2.6 LTE Band 13**

		Conducted Power(dBm)									
Modulation		QPSK			16QAM			64QAM			
Band	Bandwidth (MHz)	RB	23205	23230	23255	23205	23230	23255	23205	23230	23255
			779.5	782	784.5	779.5	782	784.5	779.5	782	784.5
13	5	1@0	23.98	23.94	23.96	22.94	23.01	22.87	21.81	21.94	21.82
		1@12	24.12	24.03	24.07	23.04	23.07	22.98	22.06	22.00	21.90
		1@24	24.00	23.95	23.98	22.90	23.01	22.90	21.83	21.84	21.81
		12@0	22.89	22.85	22.99	21.95	21.93	21.99	20.87	20.92	20.88
		12@7	22.93	22.88	23.00	22.02	21.96	22.04	20.97	20.94	21.01
		12@13	23.03	22.94	22.87	22.05	22.07	22.00	21.02	21.07	20.88
		25@0	22.97	22.96	22.95	22.10	21.97	22.06	21.05	20.82	20.95
Band	Bandwidth (MHz)	RB	0	23230	0	0	23230	0	0	23230	0
			0	782	0	0	782	0	0	782	0
3	10	1@0	/	23.95	/	/	22.94	/	/	21.97	/
		1@25	/	24.13	/	/	23.00	/	/	22.03	/
		1@49	/	24.01	/	/	23.01	/	/	22.04	/
		25@0	/	22.86	/	/	21.92	/	/	20.95	/
		25@12	/	22.87	/	/	21.93	/	/	20.96	/
		25@25	/	22.91	/	/	21.94	/	/	20.97	/
		50@0	/	22.89	/	/	21.96	/	/	20.99	/

**5.2.7 LTE Band 17**

Conducted Power(dBm)											
Modulation			QPSK			16QAM			64QAM		
Band	Bandwidth	RB	23755	23790	23825	23755	23790	23825	23755	23790	23825
	(MHz)		706.5	710	713.5	706.5	710	713.5	706.5	710	713.5
17	5	1@0	24.00	24.00	23.96	22.91	22.94	23.04	21.62	21.43	21.55
		1@12	24.13	24.11	24.11	23.06	23.04	23.13	21.89	21.55	21.43
		1@24	24.05	23.96	23.96	22.93	22.99	22.99	21.72	21.79	21.66
		12@0	23.00	23.08	23.03	22.02	22.07	22.07	20.62	20.72	20.95
		12@7	23.03	23.08	23.04	22.00	22.08	22.10	20.76	21.01	21.03
		12@13	22.95	22.91	23.03	22.03	21.89	22.06	20.45	20.52	20.92
		25@0	23.04	22.94	23.10	22.10	22.04	22.08	20.78	20.76	20.69
Band	Bandwidth	RB	23780	23790	23800	23780	23790	23800	23780	23790	23800
			(MHz)	709	710	711	709	710	711	709	710
17	10	1@0	23.92	24.03	24.00	23.04	22.85	22.73	21.79	21.60	21.60
		1@25	24.01	24.13	24.04	23.05	22.85	22.79	21.93	21.66	21.57
		1@49	23.95	24.07	24.03	23.02	22.89	22.82	21.83	21.80	21.70
		25@0	22.95	23.01	23.11	21.98	22.04	22.13	20.76	20.84	21.00
		25@12	22.98	22.99	23.04	21.98	22.09	22.17	20.83	21.01	21.06
		25@25	22.92	22.94	22.98	21.91	21.96	22.08	20.64	20.70	20.96
		50@0	23.00	23.03	23.08	21.96	22.06	22.05	20.83	20.87	20.83

**5.2.8 LTE Band 66**

Conducted Power(dBm)											
Modulation			QPSK			16QAM			64QAM		
Band	Bandwidth (MHz)	RB	131979	132322	132665	131979	132322	132665	131979	132322	132665
			1710.7	1745	1779.3	1710.7	1745	1779.3	1710.7	1745	1779.3
66	1.4	1@0	23.16	23.21	23.14	22.07	22.07	21.94	21.05	21.46	20.79
		1@3	23.24	23.21	23.22	22.16	22.05	21.98	21.15	21.48	21.10
		1@5	23.15	23.23	23.21	22.04	22.04	21.96	20.98	21.29	21.03
		3@0	23.30	23.31	23.31	22.14	22.11	22.08	21.20	21.35	21.29
		3@1	23.32	23.29	23.26	22.13	22.12	22.08	21.32	21.27	21.31
		3@3	23.30	23.33	23.28	22.11	22.10	22.07	21.43	21.23	21.19
		6@0	22.36	22.34	22.30	21.38	21.23	21.32	20.26	20.26	20.17
Band	Bandwidth (MHz)	RB	131987	132322	132657	131987	132322	132657	131987	132322	132657
			1711.5	1745	1778.5	1711.5	1745	1778.5	1711.5	1745	1778.5
66	3	1@0	23.00	23.06	23.00	22.02	21.91	21.78	20.96	21.36	20.90
		1@8	23.13	23.16	23.14	22.16	22.03	21.90	21.16	21.31	21.11
		1@14	23.06	23.07	23.07	22.08	21.86	21.81	20.95	21.22	20.96
		8@0	22.22	22.23	22.21	21.29	21.23	21.23	20.21	20.34	20.27
		8@4	22.25	22.18	22.25	21.28	21.25	21.23	20.27	20.21	20.24
		8@7	22.32	22.25	22.23	21.28	21.22	21.27	20.28	20.27	20.22
		15@0	22.31	22.27	22.21	21.34	21.20	21.18	20.41	20.22	20.22
Band	Bandwidth (MHz)	RB	131997	132322	132647	131997	132322	132647	131997	132322	132647
			1712.5	1745	1777.5	1712.5	1745	1777.5	1712.5	1745	1777.5
66	5	1@0	23.34	23.28	23.27	22.33	22.32	22.14	21.04	21.48	20.78
		1@12	23.47	23.39	23.40	22.47	22.41	22.31	21.11	21.42	21.07
		1@24	23.40	23.24	23.28	22.36	22.31	22.19	21.04	21.19	20.98
		12@0	22.33	22.31	22.32	21.35	21.42	21.33	20.08	20.35	20.37
		12@7	22.32	22.32	22.34	21.35	21.38	21.31	20.33	20.22	20.38
		12@13	22.39	22.30	22.32	21.41	21.40	21.30	20.38	20.36	20.11
		25@0	22.37	22.29	22.33	21.46	21.33	21.43	20.39	20.23	20.22
Band	Bandwidth (MHz)	RB	132022	132322	132622	132022	132322	132622	132022	132322	132622
			1715	1745	1775	1715	1745	1775	1715	1745	1775
66	10	1@0	23.33	23.39	23.33	22.36	22.23	22.09	20.97	21.44	20.77
		1@25	23.37	23.43	23.40	22.45	22.21	22.19	21.18	21.44	21.12
		1@49	23.39	23.39	23.42	22.48	22.18	22.21	20.96	21.25	20.87
		25@0	22.32	22.25	22.33	21.40	21.36	21.40	20.16	20.37	20.39
		25@12	22.34	22.28	22.32	21.33	21.36	21.40	20.28	20.32	20.26
		25@25	22.40	22.34	22.31	21.46	21.40	21.37	20.24	20.30	20.15
		50@0	22.41	22.35	22.37	21.45	21.40	21.35	20.28	20.27	20.25
Band	Bandwidth (MHz)	RB	132047	132322	132597	132047	132322	132597	132047	132322	132597
			1717.5	1745	1772.5	1717.5	1745	1772.5	1717.5	1745	1772.5
66	15	1@0	23.30	23.25	23.30	22.32	22.43	22.04	21.06	21.49	20.92
		1@37	23.44	23.37	23.36	22.48	22.42	22.18	21.21	21.48	21.14
		1@74	23.27	23.24	23.32	22.35	22.37	22.05	20.97	21.26	21.02
		36@0	22.37	22.39	22.31	22.38	22.42	22.35	20.08	20.38	20.44
		36@20	22.36	22.25	22.31	22.35	22.38	22.31	20.32	20.23	20.29
		36@39	22.41	22.37	22.34	22.38	22.33	22.28	20.34	20.35	20.19
		75@0	22.36	22.37	22.32	21.33	21.41	21.30	20.37	20.25	20.31
Band	Bandwidth (MHz)	RB	132072	132322	132572	132072	132322	132572	132072	132322	132572
			1720	1745	1770	1720	1745	1770	1720	1745	1770
66	20	1@0	23.26	23.26	23.17	22.18	22.45	21.98	21.14	21.49	20.97
		1@50	23.49	23.46	23.36	22.35	22.50	22.18	21.30	21.51	21.18
		1@99	23.29	23.24	23.20	22.23	22.34	22.06	21.12	21.32	21.06
		50@0	22.35	22.27	22.28	21.32	21.36	21.44	20.22	20.39	20.46
		50@25	22.32	22.27	22.30	21.36	21.37	21.45	20.36	20.32	20.39
		50@50	22.42	22.33	22.22	21.50	21.39	21.25	20.44	20.39	20.24
		100@0	22.37	22.31	22.28	21.41	21.39	21.35	20.41	20.34	20.35

### 5.2.9 LTE Band 71

			Conducted Power(dBm)								
Band	Modulation	RB	QPSK			16QAM			64QAM		
	Bandwidth (MHz)		133147	133297	133447	133147	133297	133447	133147	133297	133447
71	5	1@0	24.29	23.65	23.73	23.24	22.68	22.70	21.96	22.03	21.17
		1@12	24.46	23.76	23.83	23.44	22.83	22.76	22.00	21.76	21.51
		1@24	24.31	23.74	23.77	23.26	22.76	22.72	21.34	21.75	21.42
		12@0	23.23	22.75	22.77	22.18	21.78	21.79	20.82	20.86	20.86
		12@7	23.27	22.66	22.72	22.23	21.77	21.75	20.99	20.69	20.86
		12@13	23.47	22.61	22.71	22.49	21.63	21.76	20.68	20.91	20.83
		25@0	23.36	22.71	22.74	22.42	21.70	21.84	20.91	20.69	20.83
71	10	1@0	24.33	23.67	23.71	23.17	22.51	22.82	21.89	21.99	21.16
		1@25	24.39	23.74	23.77	23.15	22.46	22.87	22.07	21.78	21.56
		1@49	24.32	23.76	23.78	23.09	22.60	22.85	21.26	21.81	21.31
		25@0	23.04	22.71	22.70	22.07	21.83	21.69	20.90	20.88	20.88
		25@12	23.09	22.75	22.70	22.07	21.81	21.68	20.94	20.79	20.74
		25@25	23.29	22.64	22.75	22.31	21.73	21.76	20.54	20.85	20.87
		50@0	23.23	22.74	22.75	22.26	21.75	21.76	20.80	20.73	20.86
71	15	1@0	24.19	24.01	23.68	23.35	22.82	22.68	21.98	22.04	21.31
		1@37	24.30	23.75	23.85	23.35	22.53	22.95	22.10	21.82	21.58
		1@74	23.62	23.76	23.71	22.84	22.50	22.81	21.27	21.82	21.46
		36@0	23.37	22.81	22.66	23.34	22.81	22.65	20.82	20.89	20.93
		36@20	23.35	22.52	22.93	23.40	22.53	22.90	20.98	20.70	20.77
		36@39	22.83	22.56	22.81	22.82	22.59	22.80	20.64	20.90	20.91
		75@0	23.22	22.84	22.87	22.17	21.78	21.80	20.89	20.71	20.92
71	20	1@0	24.19	23.95	23.52	23.14	23.04	22.41	22.06	22.04	21.36
		1@49	24.53	23.89	23.84	23.28	22.88	22.66	22.19	21.85	21.62
		1@99	23.74	23.75	23.68	22.57	22.94	22.54	21.42	21.88	21.50
		50@0	23.10	22.86	22.92	22.10	21.91	21.97	20.96	20.90	20.95
		50@24	23.11	22.89	22.94	22.06	21.88	21.97	21.02	20.79	20.87
		50@50	22.82	22.89	22.99	21.84	21.98	22.01	20.74	20.94	20.96
		100@0	22.96	22.89	22.97	21.97	21.89	22.00	20.93	20.80	20.96

### 4.5.1 LTE CA 7C

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-0RB#0	23.26
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-1RB#99	14.75
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#49-0RB#0	23.33
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	12RB#0-0RB#0	23.23
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	21.40
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	23.14
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-1RB#99	14.76
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#49-0RB#0	23.38
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	12RB#0-0RB#0	23.33
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	21.58
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	23.15
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-1RB#99	14.86
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#49-0RB#0	23.39
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	12RB#0-0RB#0	23.40
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	21.63
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	22.19
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-1RB#99	14.69
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#49-0RB#0	22.48
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	12RB#0-0RB#0	22.24
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	20.39
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	22.13

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7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-1RB#99	14.66
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#49-0RB#0	22.45
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	12RB#0-0RB#0	22.35
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	20.52
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	22.87
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-1RB#99	15.29
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#49-0RB#0	23.15
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	12RB#0-0RB#0	22.41
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	20.64
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	23.34
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-1RB#49	14.83
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#74-0RB#0	23.35
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	16RB#0-0RB#0	22.32
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	21.43
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	23.35
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-1RB#49	14.83
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#74-0RB#0	23.41
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	16RB#0-0RB#0	22.46
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	21.57
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	23.35
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-1RB#49	14.95
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#74-0RB#0	23.35
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	16RB#0-0RB#0	22.58
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	21.70
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	22.31
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-1RB#49	14.87
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#74-0RB#0	22.66
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	16RB#0-0RB#0	21.33
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	20.44
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	22.58
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-1RB#49	15.03
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#74-0RB#0	22.85
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	16RB#0-0RB#0	21.49
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	20.53
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	23.01
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-1RB#49	15.34
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#74-0RB#0	23.30
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	16RB#0-0RB#0	21.65
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	20.65
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	23.30
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-1RB#74	14.76
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#74-0RB#0	23.37
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	16RB#0-0RB#0	23.25
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	21.45
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	23.35
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-1RB#74	16.52
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#74-0RB#0	23.37
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	16RB#0-0RB#0	23.41
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	21.56
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	23.33
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-1RB#74	14.89
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#74-0RB#0	23.23
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	16RB#0-0RB#0	23.35
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	21.65
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	22.27
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-1RB#74	14.74
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#74-0RB#0	22.66
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	16RB#0-0RB#0	22.24
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	20.46
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	22.56
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-1RB#74	15.01
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#74-0RB#0	22.91
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	16RB#0-0RB#0	22.41

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7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	20.55
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	22.96
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-1RB#74	15.23
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#74-0RB#0	23.25
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	16RB#0-0RB#0	22.50
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	20.63
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	23.12
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-1RB#99	14.70
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#74-0RB#0	23.38
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	16RB#0-0RB#0	23.18
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	21.37
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	23.25
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-1RB#99	16.43
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#74-0RB#0	23.32
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	16RB#0-0RB#0	23.28
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	21.52
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	23.22
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-1RB#99	14.77
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#74-0RB#0	23.30
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	16RB#0-0RB#0	23.34
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	21.66
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	22.10
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-1RB#99	14.59
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#74-0RB#0	22.66
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	16RB#0-0RB#0	22.15
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	20.35
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	22.49
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-1RB#99	14.85
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#74-0RB#0	22.85
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	16RB#0-0RB#0	22.30
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	20.43
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	22.72
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-1RB#99	15.18
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#74-0RB#0	23.25
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	16RB#0-0RB#0	22.43
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	20.63
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	23.40
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-1RB#49	14.84
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#99-0RB#0	23.38
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	18RB#0-0RB#0	22.44
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	21.58
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	23.36
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-1RB#49	16.52
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#99-0RB#0	23.35
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	18RB#0-0RB#0	22.43
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	21.53
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	23.26
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-1RB#49	14.92
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#99-0RB#0	23.36
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	18RB#0-0RB#0	22.50
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	21.67
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	22.45
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-1RB#49	14.93
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#99-0RB#0	22.84
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	18RB#0-0RB#0	21.27
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	20.57
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	22.83
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-1RB#49	15.09
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#99-0RB#0	23.15
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	18RB#0-0RB#0	21.44
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	20.53
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	22.62
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-1RB#49	14.88

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7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#99-0RB#0	22.97
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	18RB#0-0RB#0	21.42
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	20.64
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	23.15
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-1RB#74	14.64
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#99-0RB#0	23.32
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	18RB#0-0RB#0	22.17
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	21.43
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	23.35
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-1RB#74	16.45
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#99-0RB#0	23.32
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	18RB#0-0RB#0	22.31
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	21.48
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	23.39
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-1RB#74	14.81
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#99-0RB#0	23.33
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	18RB#0-0RB#0	22.34
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	21.64
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	22.21
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-1RB#74	14.74
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#99-0RB#0	22.74
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	18RB#0-0RB#0	21.08
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	20.41
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	22.67
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-1RB#74	14.97
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#99-0RB#0	23.16
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	18RB#0-0RB#0	21.30
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	20.46
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	22.43
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-1RB#74	14.79
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#99-0RB#0	22.94
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	18RB#0-0RB#0	21.34
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	20.61
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	23.03
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-1RB#99	14.59
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#99-0RB#0	23.30
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	18RB#0-0RB#0	23.05
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	21.30
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	23.01
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-1RB#99	14.61
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#99-0RB#0	23.36
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	18RB#0-0RB#0	23.14
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	21.44
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	23.05
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-1RB#99	14.68
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#99-0RB#0	23.34
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	18RB#0-0RB#0	23.27
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	21.67
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	22.18
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-1RB#99	14.50
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#99-0RB#0	22.80
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	18RB#0-0RB#0	22.04
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	20.33
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	22.26
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-1RB#99	14.72
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#99-0RB#0	22.84
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	18RB#0-0RB#0	22.06
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	20.41
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	22.24
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-1RB#99	14.80
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#99-0RB#0	22.85
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	18RB#0-0RB#0	22.16
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	20.66

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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	21.47
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-1RB#99	14.01
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#49-0RB#0	21.78
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	12RB#0-0RB#0	21.50
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	19.67
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	21.39
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-1RB#99	15.55
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#49-0RB#0	21.70
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	12RB#0-0RB#0	21.60
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	19.77
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	22.12
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-1RB#99	16.38
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#49-0RB#0	22.39
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	12RB#0-0RB#0	21.67
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	19.85
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	21.75
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-1RB#49	14.38
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#74-0RB#0	22.05
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	16RB#0-0RB#0	20.61
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	19.64
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	22.23
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-1RB#49	16.26
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#74-0RB#0	22.45
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	16RB#0-0RB#0	20.80
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	19.85
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	21.74
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-1RB#49	16.06
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#74-0RB#0	22.00
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	16RB#0-0RB#0	20.75
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	19.83
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	21.53
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-1RB#74	14.09
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#74-0RB#0	21.91
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	16RB#0-0RB#0	21.54
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	19.67
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	21.75
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-1RB#74	15.95
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#74-0RB#0	22.10
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	16RB#0-0RB#0	21.62
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	19.78
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	22.21
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-1RB#74	16.46
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#74-0RB#0	22.48
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	16RB#0-0RB#0	21.75
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	19.80
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	21.45
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-1RB#99	13.92
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#74-0RB#0	21.94
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	16RB#0-0RB#0	21.46
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	19.63
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	21.62
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-1RB#99	15.88
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#74-0RB#0	22.10
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	16RB#0-0RB#0	21.51
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	19.69
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	21.55
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-1RB#99	15.81
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#74-0RB#0	21.99
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	16RB#0-0RB#0	21.58
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	19.84
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	21.65
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-1RB#49	14.10

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7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#99-0RB#0	22.02
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	18RB#0-0RB#0	20.45
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	19.75
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	22.07
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-1RB#49	16.10
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#99-0RB#0	22.45
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	18RB#0-0RB#0	20.62
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	19.77
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	21.87
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-1RB#49	16.05
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#99-0RB#0	22.16
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	18RB#0-0RB#0	20.70
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	19.79
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	21.48
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-1RB#74	14.04
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#99-0RB#0	22.04
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	18RB#0-0RB#0	20.40
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	19.68
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	21.88
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-1RB#74	16.03
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#99-0RB#0	22.38
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	18RB#0-0RB#0	20.53
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	19.72
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	21.74
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-1RB#74	15.93
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#99-0RB#0	22.14
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	18RB#0-0RB#0	20.58
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	19.82
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	21.37
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-1RB#99	13.91
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#99-0RB#0	22.00
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	18RB#0-0RB#0	21.28
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	19.56
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	21.83
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-1RB#99	15.98
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#99-0RB#0	22.40
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	18RB#0-0RB#0	21.35
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	19.64
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	21.64
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-1RB#99	15.73
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#99-0RB#0	22.17
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	18RB#0-0RB#0	21.43
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	19.84

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UTTR-RF-FCC4G-V1.1

### 5.3 ERP OR EIRP

**Test Requirement:** FCC 47 CFR Part 2.1046(a)  
**LTE Band 2:** FCC 47 CFR Part 24.232(c)  
**LTE Band 4 & LTE Band 66:** FCC 47 CFR Part 27.50(d)(4)  
**LTE Band 5:** FCC 47 CFR Part 22.913(a)  
**LTE Band 7:** FCC 47 CFR Part 27.50(h)(2)  
**LTE Band 12 & Band 17 & LTE Band 71:** FCC 47 CFR Part 27.50(c)(10)  
**LTE Band 13:** FCC 47 CFR Part 27.50(b)(10)

**Test Method:** KDB 971168 D01v03r01 Section 5.6 & ANSI C63.26-2015

**Limit:**

**FCC 47 CFR Part 22.913(a):**  
 The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

**FCC 47 CFR Part 24.232(c):**  
 Mobile and portable stations are limited to 2 watts EIRP.

**FCC 47 CFR Part 27.50(d)(4):**  
 Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

**FCC 47 CFR Part 27.50(c)(10):**  
 Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

**FCC 47 CFR Part 27.50(h)(2):**  
 Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

**FCC 47 CFR Part 27.50(b)(10):**  
 Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

**Test Procedure:**

According to KDB 412172 D01 Power Approach,

- **ERP or EIRP =  $P_T + G_T - L_C$**
- **ERP = EIRP - 2.15**

where

- **$P_T$**  = transmitter output power, expressed in dBW, dBm, or PSD;
- **$G_T$**  = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
- **$L_C$**  = **signal attenuation in the connecting cable between the transmitter and antenna, in dB.**

**Test Setup:** Refer to section 4.2.1 for details.

**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass

**Test Data:** See table below

**Note:** The maximum ERP/EIRP is calculated from max output power and antenna gain, the antenna gain provided by the customer, and the customer takes all the responsibilities for the accuracy of antenna gain.

**5.3.1 LTE Band 2**

Channel	Maximum EIRP (dBm)				Maximum EIRP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 1.4MHz</b>									
Lowest	23.21	22.01	21.06	33.01	0.2094	0.1589	0.1276	2	Pass
Middle	23.28	22.17	21.49	33.01	0.2128	0.1648	0.1409	2	Pass
Highest	23.20	22.00	21.05	33.01	0.2089	0.1585	0.1274	2	Pass
<b>Channel Bandwidth: 3MHz</b>									
Lowest	23.08	22.13	21.07	33.01	0.2032	0.1633	0.1279	2	Pass
Middle	23.10	21.97	21.32	33.01	0.2042	0.1574	0.1355	2	Pass
Highest	23.09	21.84	21.06	33.01	0.2037	0.1528	0.1276	2	Pass
<b>Channel Bandwidth: 5MHz</b>									
Lowest	23.44	22.35	21.02	33.01	0.2208	0.1718	0.1265	2	Pass
Middle	23.43	22.50	21.43	33.01	0.2203	0.1778	0.1390	2	Pass
Highest	23.41	22.33	21.02	33.01	0.2193	0.1710	0.1265	2	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	23.33	22.39	21.09	33.01	0.2153	0.1734	0.1285	2	Pass
Middle	23.41	22.26	21.45	33.01	0.2193	0.1683	0.1396	2	Pass
Highest	23.33	22.11	21.07	33.01	0.2153	0.1626	0.1279	2	Pass
<b>Channel Bandwidth: 15MHz</b>									
Lowest	23.37	22.39	21.12	33.01	0.2173	0.1734	0.1294	2	Pass
Middle	23.33	22.46	21.49	33.01	0.2153	0.1762	0.1409	2	Pass
Highest	23.35	22.14	21.09	33.01	0.2163	0.1637	0.1285	2	Pass
<b>Channel Bandwidth: 20MHz</b>									
Lowest	23.63	22.30	21.21	33.01	0.2307	0.1698	0.1321	2	Pass
Middle	23.60	22.55	21.52	33.01	0.2291	0.1799	0.1419	2	Pass
Highest	23.48	22.17	21.13	33.01	0.2228	0.1648	0.1297	2	Pass

### 5.3.2 LTE Band 4

Channel	Maximum EIRP (dBm)				Maximum EIRP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 1.4MHz</b>									
Lowest	21.27	20.15	18.96	30.00	0.1340	0.1035	0.0787	1	Pass
Middle	21.25	20.04	19.39	30.00	0.1334	0.1009	0.0869	1	Pass
Highest	21.29	20.07	18.79	30.00	0.1346	0.1016	0.0757	1	Pass
<b>Channel Bandwidth: 3MHz</b>									
Lowest	21.11	20.11	19.08	30.00	0.1291	0.1026	0.0809	1	Pass
Middle	21.05	19.97	19.30	30.00	0.1274	0.0993	0.0851	1	Pass
Highest	21.16	19.93	19.09	30.00	0.1306	0.0984	0.0811	1	Pass
<b>Channel Bandwidth: 5MHz</b>									
Lowest	21.27	20.36	19.03	30.00	0.1340	0.1086	0.0800	1	Pass
Middle	21.33	20.47	19.41	30.00	0.1358	0.1114	0.0873	1	Pass
Highest	21.23	20.32	19.05	30.00	0.1327	0.1076	0.0804	1	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	21.33	20.42	19.10	30.00	0.1358	0.1102	0.0813	1	Pass
Middle	21.35	20.25	19.43	30.00	0.1365	0.1059	0.0877	1	Pass
Highest	21.38	20.16	19.10	30.00	0.1374	0.1038	0.0813	1	Pass
<b>Channel Bandwidth: 15MHz</b>									
Lowest	21.41	20.46	19.13	30.00	0.1384	0.1112	0.0818	1	Pass
Middle	21.24	20.47	19.47	30.00	0.1330	0.1114	0.0885	1	Pass
Highest	21.36	20.17	19.12	30.00	0.1368	0.1040	0.0817	1	Pass
<b>Channel Bandwidth: 20MHz</b>									
Lowest	21.44	20.31	19.22	30.00	0.1393	0.1074	0.0836	1	Pass
Middle	21.36	20.53	19.50	30.00	0.1368	0.1130	0.0891	1	Pass
Highest	21.33	20.20	19.16	30.00	0.1358	0.1047	0.0824	1	Pass

**5.3.3 LTE Band 5**

Channel	Maximum ERP (dBm)				Maximum ERP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 1.4MHz</b>									
Lowest	18.18	16.94	16.11	38.45	0.0658	0.0494	0.0408	7	Pass
Middle	18.15	16.97	16.07	38.45	0.0653	0.0498	0.0405	7	Pass
Highest	18.17	16.86	16.12	38.45	0.0656	0.0485	0.0409	7	Pass
<b>Channel Bandwidth: 3MHz</b>									
Lowest	17.99	16.95	16.19	38.45	0.0630	0.0495	0.0416	7	Pass
Middle	17.96	16.82	15.81	38.45	0.0625	0.0481	0.0381	7	Pass
Highest	18.00	16.72	15.70	38.45	0.0631	0.0470	0.0372	7	Pass
<b>Channel Bandwidth: 5MHz</b>									
Lowest	18.26	17.23	16.20	38.45	0.0670	0.0528	0.0417	7	Pass
Middle	18.24	17.37	15.74	38.45	0.0667	0.0546	0.0375	7	Pass
Highest	18.30	17.16	15.58	38.45	0.0676	0.0520	0.0361	7	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	18.20	17.28	16.25	38.45	0.0661	0.0535	0.0422	7	Pass
Middle	18.25	17.07	15.90	38.45	0.0668	0.0509	0.0389	7	Pass
Highest	18.33	16.99	15.78	38.45	0.0681	0.0500	0.0378	7	Pass

### 5.3.4 LTE Band 7

Channel	Maximum EIRP (dBm)				Maximum EIRP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 5MHz</b>									
Lowest	21.33	20.25	18.92	33.01	0.1358	0.1059	0.0780	2	Pass
Middle	21.28	20.26	19.12	33.01	0.1343	0.1062	0.0817	2	Pass
Highest	21.18	20.24	19.16	33.01	0.1312	0.1057	0.0824	2	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	21.19	20.25	19.02	33.01	0.1315	0.1059	0.0798	2	Pass
Middle	21.25	20.24	19.10	33.01	0.1334	0.1057	0.0813	2	Pass
Highest	21.22	20.01	19.09	33.01	0.1324	0.1002	0.0811	2	Pass
<b>Channel Bandwidth: 15MHz</b>									
Lowest	21.26	20.22	18.90	33.01	0.1337	0.1052	0.0776	2	Pass
Middle	21.29	20.26	18.88	33.01	0.1346	0.1062	0.0773	2	Pass
Highest	21.17	20.28	19.18	33.01	0.1309	0.1067	0.0828	2	Pass
<b>Channel Bandwidth: 20MHz</b>									
Lowest	21.26	20.14	19.05	33.01	0.1337	0.1033	0.0804	2	Pass
Middle	21.31	20.18	19.19	33.01	0.1352	0.1042	0.0830	2	Pass
Highest	21.34	20.38	19.25	33.01	0.1361	0.1091	0.0841	2	Pass

### 5.3.5 LTE Band 12

Channel	Maximum ERP (dBm)				Maximum ERP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 1.4MHz</b>									
Lowest	18.60	17.37	16.72	34.77	0.0724	0.0546	0.0470	3	Pass
Middle	18.55	17.36	16.41	34.77	0.0716	0.0545	0.0438	3	Pass
Highest	18.53	17.44	16.66	34.77	0.0713	0.0555	0.0463	3	Pass
<b>Channel Bandwidth: 3MHz</b>									
Lowest	18.40	17.47	16.56	34.77	0.0692	0.0558	0.0453	3	Pass
Middle	18.43	17.30	16.47	34.77	0.0697	0.0537	0.0444	3	Pass
Highest	18.39	17.18	16.15	34.77	0.0690	0.0522	0.0412	3	Pass
<b>Channel Bandwidth: 5MHz</b>									
Lowest	18.71	17.67	16.61	34.77	0.0743	0.0585	0.0458	3	Pass
Middle	18.67	17.76	16.50	34.77	0.0736	0.0597	0.0447	3	Pass
Highest	18.75	17.69	16.06	34.77	0.0750	0.0587	0.0404	3	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	18.70	17.77	16.69	34.77	0.0741	0.0598	0.0467	3	Pass
Middle	18.96	17.52	16.51	34.77	0.0787	0.0565	0.0448	3	Pass
Highest	18.65	17.42	16.24	34.77	0.0733	0.0552	0.0421	3	Pass

### 5.3.6 LTE Band 13

Channel	Maximum ERP (dBm)				Maximum ERP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 5MHz</b>									
Lowest	18.67	17.59	16.61	34.77	0.0736	0.0574	0.0458	3	Pass
Middle	18.58	17.62	16.55	34.77	0.0721	0.0578	0.0452	3	Pass
Highest	18.62	17.53	16.45	34.77	0.0728	0.0566	0.0442	3	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	/	/	/	34.77	/	/	/	3	Pass
Middle	18.68	17.56	16.59	34.77	0.0738	0.0570	0.0456	3	Pass
Highest	/	/	/	34.77	/	/	/	3	Pass

### 5.3.7 LTE Band 17

Channel	Maximum ERP (dBm)				Maximum ERP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 5MHz</b>									
Lowest	18.58	17.51	16.34	34.77	0.0721	0.0564	0.0431	3	Pass
Middle	18.56	17.49	16.00	34.77	0.0718	0.0561	0.0398	3	Pass
Highest	18.56	17.58	15.88	34.77	0.0718	0.0573	0.0387	3	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	18.46	17.50	16.38	34.77	0.0701	0.0562	0.0435	3	Pass
Middle	18.58	17.30	16.11	34.77	0.0721	0.0537	0.0408	3	Pass
Highest	18.49	17.24	16.02	34.77	0.0706	0.0530	0.0400	3	Pass

### 5.3.8 LTE Band 66

Channel	Maximum EIRP (dBm)				Maximum EIRP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 1.4MHz</b>									
Lowest	21.50	20.36	19.35	30.00	0.1413	0.1086	0.0861	1	Pass
Middle	21.53	20.25	19.68	30.00	0.1422	0.1059	0.0929	1	Pass
Highest	21.48	20.18	19.30	30.00	0.1406	0.1042	0.0851	1	Pass
<b>Channel Bandwidth: 3MHz</b>									
Lowest	21.33	20.36	19.16	30.00	0.1358	0.1086	0.0824	1	Pass
Middle	21.36	20.23	19.56	30.00	0.1368	0.1054	0.0904	1	Pass
Highest	21.34	20.10	19.10	30.00	0.1361	0.1023	0.0813	1	Pass
<b>Channel Bandwidth: 5MHz</b>									
Lowest	21.67	20.67	19.24	30.00	0.1469	0.1167	0.0839	1	Pass
Middle	21.59	20.61	19.68	30.00	0.1442	0.1151	0.0929	1	Pass
Highest	21.60	20.51	18.98	30.00	0.1445	0.1125	0.0791	1	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	21.57	20.68	20.68	30.00	0.1435	0.1169	0.1169	1	Pass
Middle	21.63	20.38	20.38	30.00	0.1455	0.1091	0.1091	1	Pass
Highest	21.60	20.41	20.41	30.00	0.1445	0.1099	0.1099	1	Pass
<b>Channel Bandwidth: 15MHz</b>									
Lowest	21.64	20.68	19.26	30.00	0.1459	0.1169	0.0843	1	Pass
Middle	21.57	20.62	19.69	30.00	0.1435	0.1153	0.0931	1	Pass
Highest	21.56	20.38	19.12	30.00	0.1432	0.1091	0.0817	1	Pass
<b>Channel Bandwidth: 20MHz</b>									
Lowest	21.69	20.55	19.50	30.00	0.1476	0.1135	0.0891	1	Pass
Middle	21.66	20.70	19.71	30.00	0.1466	0.1175	0.0935	1	Pass
Highest	21.56	20.38	19.38	30.00	0.1432	0.1091	0.0867	1	Pass

**5.3.9 LTE Band 71**

Channel	Maximum ERP (dBm)				Maximum ERP (W)				Result
	QPSK	16QAM	64QAM	Limit (dBm)	QPSK	16QAM	64QAM	Limit (W)	
<b>Channel Bandwidth: 5MHz</b>									
Lowest	18.51	17.49	16.01	33.01	0.0710	0.0561	0.0399	3	Pass
Middle	17.81	16.88	16.08	33.01	0.0604	0.0488	0.0406	3	Pass
Highest	17.88	16.81	15.22	33.01	0.0614	0.0480	0.0333	3	Pass
<b>Channel Bandwidth: 10MHz</b>									
Lowest	18.44	17.22	16.12	33.01	0.0698	0.0527	0.0409	3	Pass
Middle	17.79	16.56	15.83	33.01	0.0601	0.0453	0.0383	3	Pass
Highest	17.82	16.87	15.61	33.01	0.0605	0.0486	0.0364	3	Pass
<b>Channel Bandwidth: 15MHz</b>									
Lowest	18.35	17.45	16.15	33.01	0.0684	0.0556	0.0412	3	Pass
Middle	17.80	16.58	15.87	33.01	0.0603	0.0455	0.0386	3	Pass
Highest	17.90	16.95	15.63	33.01	0.0617	0.0495	0.0366	3	Pass
<b>Channel Bandwidth: 20MHz</b>									
Lowest	18.58	17.33	16.24	33.01	0.0721	0.0541	0.0421	3	Pass
Middle	17.94	16.93	15.90	33.01	0.0622	0.0493	0.0389	3	Pass
Highest	17.89	16.71	15.67	33.01	0.0615	0.0469	0.0369	3	Pass

5.2.1 LTE CA\_7C

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit (dBm)
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-0RB#0	21.26	33.01
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-1RB#99	12.75	33.01
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#49-0RB#0	21.33	33.01
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	12RB#0-0RB#0	21.23	33.01
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	19.40	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	21.14	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-1RB#99	12.76	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#49-0RB#0	21.38	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	12RB#0-0RB#0	21.33	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	19.58	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	21.15	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-1RB#99	12.86	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#49-0RB#0	21.39	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	12RB#0-0RB#0	21.40	33.01
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	19.63	33.01
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	20.19	33.01
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-1RB#99	12.69	33.01
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#49-0RB#0	20.48	33.01
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	12RB#0-0RB#0	20.24	33.01
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	18.39	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	20.13	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-1RB#99	12.66	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#49-0RB#0	20.45	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	12RB#0-0RB#0	20.35	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	18.52	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	20.87	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-1RB#99	13.29	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#49-0RB#0	21.15	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	12RB#0-0RB#0	20.41	33.01
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	18.64	33.01
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	21.34	33.01
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-1RB#49	12.83	33.01
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#74-0RB#0	21.35	33.01
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	16RB#0-0RB#0	20.32	33.01
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	19.43	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	21.35	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-1RB#49	12.83	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#74-0RB#0	21.41	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	16RB#0-0RB#0	20.46	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	19.57	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	21.35	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-1RB#49	12.95	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#74-0RB#0	21.35	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	16RB#0-0RB#0	20.58	33.01
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	19.70	33.01
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	20.31	33.01
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-1RB#49	12.87	33.01
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#74-0RB#0	20.66	33.01
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	16RB#0-0RB#0	19.33	33.01
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	18.44	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	20.58	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-1RB#49	13.03	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#74-0RB#0	20.85	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	16RB#0-0RB#0	19.49	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	18.53	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	21.01	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-1RB#49	13.34	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#74-0RB#0	21.30	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	16RB#0-0RB#0	19.65	33.01
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	18.65	33.01

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7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	21.30	33.01
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-1RB#74	12.76	33.01
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#74-0RB#0	21.37	33.01
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	16RB#0-0RB#0	21.25	33.01
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	19.45	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	21.35	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-1RB#74	14.52	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#74-0RB#0	21.37	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	16RB#0-0RB#0	21.41	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	19.56	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	21.33	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-1RB#74	12.89	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#74-0RB#0	21.23	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	16RB#0-0RB#0	21.35	33.01
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	19.65	33.01
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	20.27	33.01
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-1RB#74	12.74	33.01
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#74-0RB#0	20.66	33.01
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	16RB#0-0RB#0	20.24	33.01
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	18.46	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	20.56	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-1RB#74	13.01	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#74-0RB#0	20.91	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	16RB#0-0RB#0	20.41	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	18.55	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	20.96	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-1RB#74	13.23	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#74-0RB#0	21.25	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	16RB#0-0RB#0	20.50	33.01
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	18.63	33.01
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	21.12	33.01
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-1RB#99	12.70	33.01
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#74-0RB#0	21.38	33.01
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	16RB#0-0RB#0	21.18	33.01
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	19.37	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	21.25	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-1RB#99	14.43	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#74-0RB#0	21.32	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	16RB#0-0RB#0	21.28	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	19.52	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	21.22	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-1RB#99	12.77	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#74-0RB#0	21.30	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	16RB#0-0RB#0	21.34	33.01
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	19.66	33.01
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	20.10	33.01
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-1RB#99	12.59	33.01
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#74-0RB#0	20.66	33.01
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	16RB#0-0RB#0	20.15	33.01
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	18.35	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	20.49	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-1RB#99	12.85	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#74-0RB#0	20.85	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	16RB#0-0RB#0	20.30	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	18.43	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	20.72	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-1RB#99	13.18	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#74-0RB#0	21.25	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	16RB#0-0RB#0	20.43	33.01
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	18.63	33.01
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	21.40	33.01
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-1RB#49	12.84	33.01
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#99-0RB#0	21.38	33.01

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7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	18RB#0-0RB#0	20.44	33.01
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	19.58	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	21.36	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-1RB#49	14.52	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#99-0RB#0	21.35	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	18RB#0-0RB#0	20.43	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	19.53	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	21.26	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-1RB#49	12.92	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#99-0RB#0	21.36	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	18RB#0-0RB#0	20.50	33.01
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	19.67	33.01
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	20.45	33.01
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-1RB#49	12.93	33.01
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#99-0RB#0	20.84	33.01
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	18RB#0-0RB#0	19.27	33.01
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	18.57	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	20.83	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-1RB#49	13.09	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#99-0RB#0	21.15	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	18RB#0-0RB#0	19.44	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	18.53	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	20.62	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-1RB#49	12.88	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#99-0RB#0	20.97	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	18RB#0-0RB#0	19.42	33.01
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	18.64	33.01
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	21.15	33.01
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-1RB#74	12.64	33.01
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#99-0RB#0	21.32	33.01
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	18RB#0-0RB#0	20.17	33.01
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	19.43	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	21.35	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-1RB#74	14.45	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#99-0RB#0	21.32	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	18RB#0-0RB#0	20.31	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	19.48	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	21.39	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-1RB#74	12.81	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#99-0RB#0	21.33	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	18RB#0-0RB#0	20.34	33.01
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	19.64	33.01
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	20.21	33.01
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-1RB#74	12.74	33.01
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#99-0RB#0	20.74	33.01
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	18RB#0-0RB#0	19.08	33.01
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	18.41	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	20.67	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-1RB#74	12.97	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#99-0RB#0	21.16	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	18RB#0-0RB#0	19.30	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	18.46	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	20.43	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-1RB#74	12.79	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#99-0RB#0	20.94	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	18RB#0-0RB#0	19.34	33.01
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	18.61	33.01
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	21.03	33.01
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-1RB#99	12.59	33.01
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#99-0RB#0	21.30	33.01
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	18RB#0-0RB#0	21.05	33.01
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	19.30	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	21.01	33.01

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7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-1RB#99	12.61	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#99-0RB#0	21.36	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	18RB#0-0RB#0	21.14	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	19.44	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	21.05	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-1RB#99	12.68	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#99-0RB#0	21.34	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	18RB#0-0RB#0	21.27	33.01
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	19.67	33.01
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	20.18	33.01
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-1RB#99	12.50	33.01
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#99-0RB#0	20.80	33.01
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	18RB#0-0RB#0	20.04	33.01
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	18.33	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	20.26	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-1RB#99	12.72	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#99-0RB#0	20.84	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	18RB#0-0RB#0	20.06	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	18.41	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	20.24	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-1RB#99	12.80	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#99-0RB#0	20.85	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	18RB#0-0RB#0	20.16	33.01
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	18.66	33.01
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	33.01
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	19.47	33.01
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-1RB#99	12.01	33.01
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#49-0RB#0	19.78	33.01
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	12RB#0-0RB#0	19.50	33.01
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	17.67	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	19.39	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-1RB#99	13.55	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#49-0RB#0	19.70	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	12RB#0-0RB#0	19.60	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	17.77	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	20.12	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-1RB#99	14.38	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#49-0RB#0	20.39	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	12RB#0-0RB#0	19.67	33.01
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	17.85	33.01
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	19.75	33.01
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-1RB#49	12.38	33.01
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#74-0RB#0	20.05	33.01
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	16RB#0-0RB#0	18.61	33.01
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	17.64	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	20.23	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-1RB#49	14.26	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#74-0RB#0	20.45	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	16RB#0-0RB#0	18.80	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	17.85	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	19.74	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-1RB#49	14.06	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#74-0RB#0	20.00	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	16RB#0-0RB#0	18.75	33.01
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	17.83	33.01
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	19.53	33.01
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-1RB#74	12.09	33.01
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#74-0RB#0	19.91	33.01
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	16RB#0-0RB#0	19.54	33.01
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	17.67	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	19.75	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-1RB#74	13.95	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#74-0RB#0	20.10	33.01

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7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	16RB#0-0RB#0	19.62	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	17.78	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	20.21	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-1RB#74	14.46	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#74-0RB#0	20.48	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	16RB#0-0RB#0	19.75	33.01
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	17.80	33.01
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	19.45	33.01
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-1RB#99	11.92	33.01
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#74-0RB#0	19.94	33.01
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	16RB#0-0RB#0	19.46	33.01
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	17.63	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	19.62	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-1RB#99	13.88	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#74-0RB#0	20.10	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	16RB#0-0RB#0	19.51	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	17.69	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	19.55	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-1RB#99	13.81	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#74-0RB#0	19.99	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	16RB#0-0RB#0	19.58	33.01
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	17.84	33.01
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	19.65	33.01
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-1RB#49	12.10	33.01
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#99-0RB#0	20.02	33.01
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	18RB#0-0RB#0	18.45	33.01
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	17.75	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	20.07	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-1RB#49	14.10	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#99-0RB#0	20.45	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	18RB#0-0RB#0	18.62	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	17.77	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	19.87	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-1RB#49	14.05	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#99-0RB#0	20.16	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	18RB#0-0RB#0	18.70	33.01
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	17.79	33.01
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	19.48	33.01
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-1RB#74	12.04	33.01
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#99-0RB#0	20.04	33.01
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	18RB#0-0RB#0	18.40	33.01
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	17.68	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	19.88	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-1RB#74	14.03	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#99-0RB#0	20.38	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	18RB#0-0RB#0	18.53	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	17.72	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	19.74	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-1RB#74	13.93	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#99-0RB#0	20.14	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	18RB#0-0RB#0	18.58	33.01
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	17.82	33.01
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	19.37	33.01
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-1RB#99	11.91	33.01
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#99-0RB#0	20.00	33.01
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	18RB#0-0RB#0	19.28	33.01
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	17.56	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	19.83	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-1RB#99	13.98	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#99-0RB#0	20.40	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	18RB#0-0RB#0	19.35	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	17.64	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	19.64	33.01

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7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-1RB#99	13.73	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#99-0RB#0	20.17	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	18RB#0-0RB#0	19.43	33.01
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	17.84	33.01

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## 5.4 PEAK-TO-AVERAGE RATIO

<b>Test Requirement:</b>	<b>LTE Band 2:</b> FCC 47 CFR Part 24.232(d)
	<b>LTE Band 4 &amp; LTE Band 66:</b> FCC 47 CFR Part 27.50(d)(5)
	<b>LTE Band 5:</b> FCC 47 CFR Part 22.913(a)
	<b>LTE Band 7:</b> FCC 47 CFR Part 27.50(d)(5)
	<b>LTE Band 12 &amp; Band 17 &amp; LTE Band 71:</b> FCC 47 CFR Part 27.50(d)(5)
<b>LTE Band 13:</b> FCC 47 CFR Part 27.50(d)(5)	
<b>Test Method:</b>	KDB 971168 D01v03r01 Section 5.7
<b>Limit:</b>	In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB
<b>Test Procedure:</b>	The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. a) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth b) Set the number of counts to a value that stabilizes the measured CCDF curve c) Record the maximum PAPR level associated with a probability of 0.1 %
	Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.
<b>Test Setup:</b>	Refer to section 4.2.2 for details.
<b>Instruments Used:</b>	Refer to section 3 for details
<b>Test Mode:</b>	Link mode
<b>Test Results:</b>	Pass
<b>Test Data:</b>	Please refer to Appendix A

## 5.5 99%&26DB BANDWIDTH

**Test Requirement:** FCC 47 CFR Part 2.1049(h)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

**Limit:** No Limit, for reporting purposes only.

**Test Procedure:**

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

**Test Setup:** Refer to section 4.2.2 for details.

**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass

**Test Data:** Please refer to Appendix A

## 5.6 BAND EDGE AT ANTENNA TERMINALS

**Test Requirement:** **LTE Band 2:** FCC 47 CFR Part 24.238(a)  
**LTE Band 4 & LTE Band 66:** FCC 47 CFR Part 27.53(h)(1)  
**LTE Band 5:** FCC 47 CFR Part 22.917(a)  
**LTE Band 7:** FCC 47 CFR Part 27.53(m)(4)  
**LTE Band 12 & Band 17 & LTE Band 71::** FCC 47 CFR Part 27.53(g)  
**LTE Band 13:** FCC 47 CFR Part 27.53(c)(2)(4)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Limit:**

**FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a):**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13 dBm.

**FCC 47 CFR Part 27.53(g):**

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

**FCC 47 CFR Part 27.53(m)(4):**

For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

**FCC 47 CFR Part 27.53(c)(2):**

On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

**FCC 47 CFR Part 27.53(c)(4):**

On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

**Test Procedure:**

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer.

For each band edge measurement:

- 1) Set the spectrum analyzer span to include the block edge frequency.
- 2) Set a marker to point the corresponding band edge frequency in each test case.
- 3) Set display line at -13 dBm
- 4) Set resolution bandwidth to at least 1% of emission bandwidth.
- 5) Set spectrum analyzer with RMS detector.
- 6) Record the max trace plot into the test report

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

**Test Setup:** Refer to section 4.2.2 for details.

**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass

**Test Data:** Please refer to Appendix A



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## 5.7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

**Test Requirement:** LTE Band 2: FCC 47 CFR Part 24.238(a)  
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)  
LTE Band 5: FCC 47 CFR Part 22.917(a)  
LTE Band 7: FCC 47 CFR Part 27.53(m)(4)  
LTE Band 12 & Band 17 & LTE Band 71: FCC 47 CFR Part 27.53(g)  
LTE Band 13: FCC 47 CFR Part 27.53

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Limit:**

**FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g), 27.53(c)(2):**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13 dBm.

**FCC 47 CFR Part 27.53(m)(4):**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $55 + 10 \log(P)$  dB. The emission limit equal to -25 dBm.

**Test Procedure:**

The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

**Test Setup:** Refer to section 4.2.2 for details.

**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass

**Test Data:** Please refer to Appendix A

### 5.8 FIELD STRENGTH OF SPURIOUS RADIATION

**Test Requirement:** LTE Band 2: FCC 47 CFR Part 24.238(a)  
 LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)  
 LTE Band 5: FCC 47 CFR Part 22.917(a)  
 LTE Band 7: FCC 47 CFR Part 27.53(m)(4)  
 LTE Band 12 & Band 17 & LTE Band 71: FCC 47 CFR Part 27.53(g)  
 LTE Band 13: FCC 47 CFR Part 27.53

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Receiver Setup:**

Frequency	Detector	RBW	VBW	Remark
0.009 MHz-30 MHz	Peak	10 kHz	30 KHz	Peak
30 MHz-1 GHz	Quasi-peak	100 kHz	300 KHz	Peak
Above 1 GHz	Peak	1 MHz	3 MHz	Peak

**Limits:**

**FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g):**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13 dBm.

**FCC 47 CFR Part 27.53(m)(4):**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $55 + 10 \log(P)$  dB. The emission limit equal to -25 dBm.

**FCC 47 CFR Part 27.53:**

(c) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40dBm/MHz).

**Test Setup:** Refer to section 4.2.1 for details.

**Test Procedures:** KDB 971168 D01v03r01 Section 7

**Equipment Used:** Refer to section 3 for details.

**Test Result:** Pass

**The worst measurement data as follows:**

**5.8.1 LTE Band 2**

LTE Band 2_ 20 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	739.214	-79.56	12.60	-66.96	-13.00	-53.96	Horizontal
2	906.304	-80.00	16.09	-63.91	-13.00	-50.91	Horizontal
3	979.139	-80.86	16.40	-64.46	-13.00	-51.46	Horizontal
4	3720.000	-58.31	11.31	-47.00	-13.00	-34.00	Horizontal
5	5580.000	-61.75	12.77	-48.98	-13.00	-35.98	Horizontal
6	793.028	-80.06	13.62	-66.44	-13.00	-53.44	Vertical
7	887.398	-80.21	15.69	-64.52	-13.00	-51.52	Vertical
8	992.997	-81.13	16.75	-64.38	-13.00	-51.38	Vertical
9	3720.000	-58.10	11.31	-46.79	-13.00	-33.79	Vertical
10	5580.000	-61.32	12.77	-48.55	-13.00	-35.55	Vertical
<b>Middle Channel</b>							
1	760.287	-80.14	12.71	-67.43	-13.00	-54.43	Horizontal
2	932.141	-81.00	15.80	-65.20	-13.00	-52.20	Horizontal
3	986.044	-81.47	16.58	-64.89	-13.00	-51.89	Horizontal
4	3760.000	-62.45	11.55	-50.90	-13.00	-37.90	Horizontal
5	5640.000	-62.42	12.89	-49.53	-13.00	-36.53	Horizontal
6	586.217	-79.45	10.43	-69.02	-13.00	-56.02	Vertical
7	633.328	-79.42	11.10	-68.32	-13.00	-55.32	Vertical
8	875.013	-80.38	15.26	-65.12	-13.00	-52.12	Vertical
9	3760.000	-61.78	11.55	-50.23	-13.00	-37.23	Vertical
10	5640.000	-62.22	12.89	-49.33	-13.00	-36.33	Vertical
<b>Highest Channel</b>							
1	765.648	-79.36	13.01	-66.35	-13.00	-53.35	Horizontal
2	821.387	-80.47	14.47	-66.00	-13.00	-53.00	Horizontal
3	906.304	-80.54	16.09	-64.45	-13.00	-51.45	Horizontal
4	3800.000	-59.81	11.77	-48.04	-13.00	-35.04	Horizontal
5	5700.000	-62.23	13.00	-49.23	-13.00	-36.23	Horizontal
6	862.802	-80.65	15.04	-65.61	-13.00	-52.61	Vertical
7	919.132	-81.22	15.97	-65.25	-13.00	-52.25	Vertical
8	979.139	-81.42	16.40	-65.02	-13.00	-52.02	Vertical
9	3800.000	-59.83	11.77	-48.06	-13.00	-35.06	Vertical
10	5700.000	-59.93	13.00	-46.93	-13.00	-33.93	Vertical

**5.8.2 LTE Band 4**

LTE Band 4_20 MHz_QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	793.028	-79.99	13.62	-66.37	-13.00	-53.37	Horizontal
2	899.958	-81.33	15.82	-65.51	-13.00	-52.51	Horizontal
3	952.000	-81.20	16.05	-65.15	-13.00	-52.15	Horizontal
4	3440.000	-61.45	9.91	-51.54	-13.00	-38.54	Horizontal
5	5160.000	-58.92	12.02	-46.90	-13.00	-33.90	Horizontal
6	827.179	-80.56	14.44	-66.12	-13.00	-53.12	Vertical
7	906.304	-80.47	16.09	-64.38	-13.00	-51.38	Vertical
8	986.044	-80.73	16.58	-64.15	-13.00	-51.15	Vertical
9	3440.000	-61.30	9.91	-51.39	-13.00	-38.39	Vertical
10	5160.000	-59.05	12.02	-47.03	-13.00	-34.03	Vertical
<b>Middle Channel</b>							
1	655.977	-79.90	11.33	-68.57	-13.00	-55.57	Horizontal
2	765.648	-80.35	13.01	-67.34	-13.00	-54.34	Horizontal
3	868.886	-81.49	15.27	-66.22	-13.00	-53.22	Horizontal
4	3465.000	-61.72	9.98	-51.74	-13.00	-38.74	Horizontal
5	5197.500	-62.22	12.09	-50.13	-13.00	-37.13	Horizontal
6	821.387	-80.56	14.47	-66.09	-13.00	-53.09	Vertical
7	881.184	-80.46	15.44	-65.02	-13.00	-52.02	Vertical
8	958.714	-80.57	16.22	-64.35	-13.00	-51.35	Vertical
9	3465.000	-61.60	9.98	-51.62	-13.00	-38.62	Vertical
10	5197.500	-62.05	12.09	-49.96	-13.00	-36.96	Vertical
<b>Highest Channel</b>							
1	684.226	-80.18	11.85	-68.33	-13.00	-55.33	Horizontal
2	809.924	-80.49	14.12	-66.37	-13.00	-53.37	Horizontal
3	893.656	-80.91	15.62	-65.29	-13.00	-52.29	Horizontal
4	3490.000	-58.99	10.04	-48.95	-13.00	-35.95	Horizontal
5	5235.000	-59.77	12.15	-47.62	-13.00	-34.62	Horizontal
6	868.886	-80.85	15.27	-65.58	-13.00	-52.58	Vertical
7	906.304	-80.63	16.09	-64.54	-13.00	-51.54	Vertical
8	952.000	-80.98	16.05	-64.93	-13.00	-51.93	Vertical
9	3490.000	-59.43	10.04	-49.39	-13.00	-36.39	Vertical
10	5235.000	-60.69	12.15	-48.54	-13.00	-35.54	Vertical

**5.8.3 LTE Band 5**

LTE Band 5_ 10 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	723.793	-86.83	41.96	-44.87	-13.00	-31.87	Horizontal
2	744.427	-87.66	42.20	-45.46	-13.00	-32.46	Horizontal
3	945.334	-87.15	45.26	-41.89	-13.00	-28.89	Horizontal
4	1658.000	-50.35	2.36	-47.99	-13.00	-34.99	Horizontal
5	2487.000	-59.37	6.60	-52.77	-13.00	-39.77	Horizontal
6	651.383	-87.28	40.79	-46.49	-13.00	-33.49	Vertical
7	765.648	-87.67	42.53	-45.14	-13.00	-32.14	Vertical
8	906.304	-86.83	45.32	-41.51	-13.00	-28.51	Vertical
9	1658.000	-55.88	2.36	-53.52	-13.00	-40.52	Vertical
10	2487.000	-58.87	6.60	-52.27	-13.00	-39.27	Vertical
<b>Middle Channel</b>							
1	760.287	-87.80	42.23	-45.57	-13.00	-32.57	Horizontal
2	787.475	-87.72	43.03	-44.69	-13.00	-31.69	Horizontal
3	881.184	-86.72	44.74	-41.98	-13.00	-28.98	Horizontal
4	1673.000	-53.01	2.49	-50.52	-13.00	-37.52	Horizontal
5	2509.500	-61.97	6.68	-55.29	-13.00	-42.29	Horizontal
6	749.676	-87.37	42.15	-45.22	-13.00	-32.22	Vertical
7	793.028	-87.77	43.12	-44.65	-13.00	-31.65	Vertical
8	899.958	-87.47	45.07	-42.40	-13.00	-29.40	Vertical
9	1673.000	-57.25	2.49	-54.76	-13.00	-41.76	Vertical
10	2509.500	-54.97	6.68	-48.29	-13.00	-35.29	Vertical
<b>Highest Channel</b>							
1	655.977	-87.58	40.90	-46.68	-13.00	-33.68	Horizontal
2	906.304	-86.76	45.32	-41.44	-13.00	-28.44	Horizontal
3	992.997	-87.25	45.77	-41.48	-13.00	-28.48	Horizontal
4	1688.000	-61.41	2.63	-58.78	-13.00	-45.78	Horizontal
5	2532.000	-61.31	6.77	-54.54	-13.00	-41.54	Horizontal
6	744.427	-88.21	42.20	-46.01	-13.00	-33.01	Vertical
7	912.695	-87.10	45.17	-41.93	-13.00	-28.93	Vertical
8	965.474	-86.61	45.18	-41.43	-13.00	-28.43	Vertical
9	1688.000	-61.82	2.63	-59.19	-13.00	-46.19	Vertical
10	2532.000	-63.20	6.77	-56.43	-13.00	-43.43	Vertical

**5.8.4 LTE Band 7**

LTE Band 7_ 20 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	804.252	-80.54	13.98	-66.56	-25.00	-41.56	Horizontal
2	868.886	-80.58	15.27	-65.31	-25.00	-40.31	Horizontal
3	965.474	-81.33	16.09	-65.24	-25.00	-40.24	Horizontal
4	5020.000	-51.34	11.78	-39.56	-25.00	-14.56	Horizontal
5	10040.000	-47.26	15.25	-32.01	-25.00	-7.01	Horizontal
6	739.214	-79.92	12.60	-67.32	-25.00	-42.32	Vertical
7	798.620	-80.45	13.79	-66.66	-25.00	-41.66	Vertical
8	919.132	-81.14	15.97	-65.17	-25.00	-40.17	Vertical
9	5020.000	-56.04	11.78	-44.26	-25.00	-19.26	Vertical
10	10040.000	-49.79	15.25	-34.54	-25.00	-9.54	Vertical
<b>Middle Channel</b>							
1	679.435	-79.61	11.63	-67.98	-25.00	-42.98	Horizontal
2	798.620	-80.31	13.79	-66.52	-25.00	-41.52	Horizontal
3	925.613	-80.88	15.87	-65.01	-25.00	-40.01	Horizontal
4	5020.000	-53.49	11.78	-41.71	-25.00	-16.71	Horizontal
5	10140.000	-45.58	15.29	-30.29	-25.00	-5.29	Horizontal
6	739.214	-80.56	12.60	-67.96	-25.00	-42.96	Vertical
7	815.635	-80.37	14.29	-66.08	-25.00	-41.08	Vertical
8	958.714	-80.56	16.22	-64.34	-25.00	-39.34	Vertical
9	5070.000	-57.14	11.87	-45.27	-25.00	-20.27	Vertical
10	10140.000	-48.39	15.29	-33.10	-25.00	-8.10	Vertical
<b>Highest Channel</b>							
1	689.051	-79.91	12.02	-67.89	-25.00	-42.89	Horizontal
2	734.037	-80.66	12.77	-67.89	-25.00	-42.89	Horizontal
3	881.184	-80.41	15.44	-64.97	-25.00	-39.97	Horizontal
4	5120.000	-52.47	11.95	-40.52	-25.00	-15.52	Horizontal
5	10240.000	-45.56	15.33	-30.23	-25.00	-5.23	Horizontal
6	679.435	-79.44	11.63	-67.81	-25.00	-42.81	Vertical
7	815.635	-79.37	14.29	-65.08	-25.00	-40.08	Vertical
8	919.132	-81.19	15.97	-65.22	-25.00	-40.22	Vertical
9	5120.000	-54.43	11.95	-42.48	-25.00	-17.48	Vertical
10	10240.000	-48.84	15.33	-33.51	-25.00	-8.51	Vertical

**5.8.5 LTE Band 12**

LTE Band 12_ 10 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	787.475	-87.21	43.03	-44.18	-13.00	-31.18	Horizontal
2	881.184	-86.27	44.74	-41.53	-13.00	-28.53	Horizontal
3	906.304	-87.14	45.32	-41.82	-13.00	-28.82	Horizontal
4	1408.000	-58.99	0.87	-58.12	-13.00	-45.12	Horizontal
5	2112.000	-59.64	5.63	-54.01	-13.00	-41.01	Horizontal
6	602.929	-88.05	40.40	-47.65	-13.00	-34.65	Vertical
7	844.803	-87.77	44.23	-43.54	-13.00	-30.54	Vertical
8	952.000	-86.56	45.17	-41.39	-13.00	-28.39	Vertical
9	1408.000	-60.08	0.87	-59.21	-13.00	-46.21	Vertical
10	2112.000	-62.65	5.63	-57.02	-13.00	-44.02	Vertical
<b>Middle Channel</b>							
1	804.252	-86.83	43.47	-43.36	-13.00	-30.36	Horizontal
2	856.760	-86.91	44.35	-42.56	-13.00	-29.56	Horizontal
3	906.304	-87.14	45.32	-41.82	-13.00	-28.82	Horizontal
4	1415.000	-59.41	0.87	-58.54	-13.00	-45.54	Horizontal
5	2122.500	-61.52	5.66	-55.86	-13.00	-42.86	Horizontal
6	787.475	-87.49	43.03	-44.46	-13.00	-31.46	Vertical
7	850.760	-87.51	44.29	-43.22	-13.00	-30.22	Vertical
8	919.132	-86.79	45.17	-41.62	-13.00	-28.62	Vertical
9	1415.000	-59.94	0.87	-59.07	-13.00	-46.07	Vertical
10	2122.500	-61.97	5.66	-56.31	-13.00	-43.31	Vertical
<b>Highest Channel</b>							
1	602.929	-87.46	40.40	-47.06	-13.00	-34.06	Horizontal
2	827.179	-87.10	43.87	-43.23	-13.00	-30.23	Horizontal
3	958.714	-85.55	45.32	-40.23	-13.00	-27.23	Horizontal
4	2133.000	-59.13	5.69	-53.44	-13.00	-40.44	Horizontal
5	2844.000	-52.76	8.07	-44.69	-13.00	-31.69	Horizontal
6	602.929	-87.55	40.40	-47.15	-13.00	-34.15	Vertical
7	875.013	-86.38	44.57	-41.81	-13.00	-28.81	Vertical
8	958.714	-86.87	45.32	-41.55	-13.00	-28.55	Vertical
9	2133.000	-60.84	5.69	-55.15	-13.00	-42.15	Vertical
10	2844.000	-55.99	8.07	-47.92	-13.00	-34.92	Vertical

**5.8.6 LTE Band 13**

LTE Band 13_ 10 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Middle Channel</b>							
1	734.037	-88.14	42.30	-45.84	-40.00	-5.84	Horizontal
2	844.803	-88.60	44.23	-44.37	-40.00	-4.37	Horizontal
3	906.304	-88.65	45.32	-43.33	-40.00	-3.33	Horizontal
4	1564.000	-58.60	1.55	-57.05	-40.00	-17.05	Horizontal
5	2346.000	-61.80	6.23	-55.57	-40.00	-15.57	Horizontal
6	655.977	-87.34	40.90	-46.44	-40.00	-6.44	Vertical
7	718.725	-88.12	41.88	-46.24	-40.00	-6.24	Vertical
8	850.760	-88.02	44.29	-43.73	-40.00	-3.73	Vertical
9	1564.000	-60.16	1.55	-58.61	-40.00	-18.61	Vertical
10	2346.000	-62.42	6.23	-56.19	-40.00	-16.19	Vertical

**5.8.7 LTE Band 17**

LTE Band 17_ 5 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	646.822	-87.65	40.77	-46.88	-13.00	-33.88	Horizontal
2	887.398	-87.58	44.97	-42.61	-13.00	-29.61	Horizontal
3	938.714	-86.75	45.04	-41.71	-13.00	-28.71	Horizontal
4	1418.000	-59.60	0.88	-58.72	-13.00	-45.72	Horizontal
5	2127.000	-61.23	5.67	-55.56	-13.00	-42.56	Horizontal
6	512.948	-87.43	38.84	-48.59	-13.00	-35.59	Vertical
7	633.328	-88.06	40.68	-47.38	-13.00	-34.38	Vertical
8	925.613	-86.66	45.06	-41.60	-13.00	-28.60	Vertical
9	1418.000	-58.95	0.88	-58.07	-13.00	-45.07	Vertical
10	2127.000	-61.83	5.67	-56.16	-13.00	-43.16	Vertical
<b>Middle Channel</b>							
1	554.171	-88.09	39.43	-48.66	-13.00	-35.66	Horizontal
2	856.760	-87.22	44.35	-42.87	-13.00	-29.87	Horizontal
3	919.132	-87.04	45.17	-41.87	-13.00	-28.87	Horizontal
4	2130.000	-59.41	5.67	-53.74	-13.00	-40.74	Horizontal
5	2840.000	-54.75	8.06	-46.69	-13.00	-33.69	Horizontal
6	586.217	-88.30	40.03	-48.27	-13.00	-35.27	Vertical
7	965.474	-86.68	45.18	-41.50	-13.00	-28.50	Vertical
8	986.044	-86.71	45.61	-41.10	-13.00	-28.10	Vertical
9	2130.000	-60.76	5.67	-55.09	-13.00	-42.09	Vertical
10	2840.000	-56.32	8.06	-48.26	-13.00	-35.26	Vertical
<b>Highest Channel</b>							
1	594.514	-88.11	40.14	-47.97	-13.00	-34.97	Horizontal
2	912.695	-87.13	45.17	-41.96	-13.00	-28.96	Horizontal
3	972.283	-85.05	45.32	-39.73	-13.00	-26.73	Horizontal
4	2133.000	-60.93	5.69	-55.24	-13.00	-42.24	Horizontal
5	2844.000	-54.56	8.07	-46.49	-13.00	-33.49	Horizontal
6	586.217	-88.19	40.03	-48.16	-13.00	-35.16	Vertical
7	850.760	-87.65	44.29	-43.36	-13.00	-30.36	Vertical
8	912.695	-86.66	45.17	-41.49	-13.00	-28.49	Vertical
9	2133.000	-61.17	5.69	-55.48	-13.00	-42.48	Vertical
10	2844.000	-56.07	8.07	-48.00	-13.00	-35.00	Vertical

**5.8.8 LTE Band 66**

LTE Band 66_ 20 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	718.725	-80.01	12.34	-67.67	-13.00	-54.67	Horizontal
2	787.475	-80.19	13.52	-66.67	-13.00	-53.67	Horizontal
3	862.802	-80.66	15.04	-65.62	-13.00	-52.62	Horizontal
4	3440.000	-57.93	9.91	-48.02	-13.00	-35.02	Horizontal
5	5160.000	-59.42	12.02	-47.40	-13.00	-34.40	Horizontal
6	554.171	-78.65	9.83	-68.82	-13.00	-55.82	Vertical
7	925.613	-81.29	15.87	-65.42	-13.00	-52.42	Vertical
8	965.474	-80.26	16.09	-64.17	-13.00	-51.17	Vertical
9	3440.000	-58.53	9.91	-48.62	-13.00	-35.62	Vertical
10	5160.000	-58.36	12.02	-46.34	-13.00	-33.34	Vertical
<b>Middle Channel</b>							
1	862.802	-81.01	15.04	-65.97	-13.00	-52.97	Horizontal
2	899.958	-80.94	15.82	-65.12	-13.00	-52.12	Horizontal
3	958.714	-81.44	16.22	-65.22	-13.00	-52.22	Horizontal
4	3490.000	-60.76	10.04	-50.72	-13.00	-37.72	Horizontal
5	5235.000	-59.39	12.15	-47.24	-13.00	-34.24	Horizontal
6	744.427	-79.92	12.67	-67.25	-13.00	-54.25	Vertical
7	919.132	-80.77	15.97	-64.80	-13.00	-51.80	Vertical
8	958.714	-80.97	16.22	-64.75	-13.00	-51.75	Vertical
9	3490.000	-59.75	10.04	-49.71	-13.00	-36.71	Vertical
10	5235.000	-60.29	12.15	-48.14	-13.00	-35.14	Vertical
<b>Highest Channel</b>							
1	660.602	-78.87	11.30	-67.57	-13.00	-54.57	Horizontal
2	838.887	-79.32	14.60	-64.72	-13.00	-51.72	Horizontal
3	932.141	-80.91	15.80	-65.11	-13.00	-52.11	Horizontal
4	3540.000	-63.39	10.30	-53.09	-13.00	-40.09	Horizontal
5	5310.000	-62.13	12.28	-49.85	-13.00	-36.85	Horizontal
6	615.774	-79.52	10.96	-68.56	-13.00	-55.56	Vertical
7	856.760	-80.59	14.99	-65.60	-13.00	-52.60	Vertical
8	899.958	-80.62	15.82	-64.80	-13.00	-51.80	Vertical
9	3540.000	-59.30	10.30	-49.00	-13.00	-36.00	Vertical
10	5310.000	-61.59	12.28	-49.31	-13.00	-36.31	Vertical

**5.8.9 LTE Band 71**

LTE Band 71_ 20 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	505.789	-88.37	38.68	-49.69	-13.00	-36.69	Horizontal
2	844.803	-87.10	44.23	-42.87	-13.00	-29.87	Horizontal
3	899.958	-86.27	45.07	-41.20	-13.00	-28.20	Horizontal
4	1346.000	-58.54	0.78	-57.76	-13.00	-44.76	Horizontal
5	2019.000	-62.61	5.39	-57.22	-13.00	-44.22	Horizontal
6	856.760	-87.69	44.35	-43.34	-13.00	-30.34	Vertical
7	881.184	-87.50	44.74	-42.76	-13.00	-29.76	Vertical
8	952.000	-86.43	45.17	-41.26	-13.00	-28.26	Vertical
9	1346.000	-58.52	0.78	-57.74	-13.00	-44.74	Vertical
10	2019.000	-60.31	5.39	-54.92	-13.00	-41.92	Vertical
<b>Middle Channel</b>							
1	781.961	-87.12	42.71	-44.41	-13.00	-31.41	Horizontal
2	868.886	-87.77	44.60	-43.17	-13.00	-30.17	Horizontal
3	986.044	-86.20	45.61	-40.59	-13.00	-27.59	Horizontal
4	1366.000	-55.59	0.81	-54.78	-13.00	-41.78	Horizontal
5	2049.000	-62.30	5.47	-56.83	-13.00	-43.83	Horizontal
6	713.692	-87.62	41.92	-45.70	-13.00	-32.70	Vertical
7	838.887	-87.23	44.00	-43.23	-13.00	-30.23	Vertical
8	919.132	-86.24	45.17	-41.07	-13.00	-28.07	Vertical
9	1366.000	-58.41	0.81	-57.60	-13.00	-44.60	Vertical
10	2049.000	-61.90	5.47	-56.43	-13.00	-43.43	Vertical
<b>Highest Channel</b>							
1	734.037	-87.68	42.30	-45.38	-13.00	-32.38	Horizontal
2	919.132	-87.10	45.17	-41.93	-13.00	-28.93	Horizontal
3	952.000	-86.53	45.17	-41.36	-13.00	-28.36	Horizontal
4	1376.000	-57.09	0.82	-56.27	-13.00	-43.27	Horizontal
5	2064.000	-63.68	5.51	-58.17	-13.00	-45.17	Horizontal
6	637.795	-87.64	40.75	-46.89	-13.00	-33.89	Vertical
7	844.803	-87.90	44.23	-43.67	-13.00	-30.67	Vertical
8	919.132	-86.86	45.17	-41.69	-13.00	-28.69	Vertical
9	1376.000	-57.97	0.82	-57.15	-13.00	-44.15	Vertical
10	2064.000	-60.90	5.51	-55.39	-13.00	-42.39	Vertical

5.8.10 LTE CA\_7C

LTE CA_7C_ 20 MHz+20 MHz_ QPSK							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
<b>Lowest Channel</b>							
1	550.290	-79.42	9.97	-69.45	-25.00	-44.45	Horizontal
2	703.731	-80.13	12.25	-67.88	-25.00	-42.88	Horizontal
3	986.044	-80.79	16.58	-64.21	-25.00	-39.21	Horizontal
4	5020.000	-59.50	11.78	-47.72	-25.00	-22.72	Horizontal
5	5059.600	-59.68	11.85	-47.83	-25.00	-22.83	Horizontal
6	7530.000	-57.21	14.56	-42.65	-25.00	-17.65	Horizontal
7	7589.400	-59.71	14.53	-45.18	-25.00	-20.18	Horizontal
8	37.830	-72.01	1.79	-70.22	-25.00	-45.22	Vertical
9	44.154	-67.89	-3.39	-71.28	-25.00	-46.28	Vertical
10	787.475	-79.43	13.52	-65.91	-25.00	-40.91	Vertical
11	5020.000	-59.16	11.78	-47.38	-25.00	-22.38	Vertical
12	5059.600	-60.14	11.85	-48.29	-25.00	-23.29	Vertical
13	7530.000	-59.55	14.56	-44.99	-25.00	-19.99	Vertical
14	7589.400	-60.31	14.53	-45.78	-25.00	-20.78	Vertical
<b>Middle Channel</b>							
1	718.725	-79.99	12.34	-67.65	-25.00	-42.65	Horizontal
2	844.803	-80.37	14.84	-65.53	-25.00	-40.53	Horizontal
3	912.695	-80.97	15.95	-65.02	-25.00	-40.02	Horizontal
4	5050.200	-60.21	11.83	-48.38	-25.00	-23.38	Horizontal
5	5089.800	-61.77	11.90	-49.87	-25.00	-24.87	Horizontal
6	7575.300	-60.34	14.54	-45.80	-25.00	-20.80	Horizontal
7	7634.700	-59.74	14.52	-45.22	-25.00	-20.22	Horizontal
8	31.735	-75.81	3.03	-72.78	-25.00	-47.78	Vertical
9	37.830	-74.23	1.79	-72.44	-25.00	-47.44	Vertical
10	899.958	-80.45	15.82	-64.63	-25.00	-39.63	Vertical
11	5050.200	-59.42	11.83	-47.59	-25.00	-22.59	Vertical
12	5089.800	-61.74	11.90	-49.84	-25.00	-24.84	Vertical
13	7575.300	-59.58	14.54	-45.04	-25.00	-20.04	Vertical
14	7634.700	-60.00	14.52	-45.48	-25.00	-20.48	Vertical
<b>Highest Channel</b>							
1	512.948	-79.62	9.76	-69.86	-25.00	-44.86	Horizontal
2	689.051	-80.24	12.02	-68.22	-25.00	-43.22	Horizontal
3	972.283	-80.15	16.25	-63.90	-25.00	-38.90	Horizontal
4	5080.400	-59.16	11.88	-47.28	-25.00	-22.28	Horizontal
5	5120.000	-60.91	11.95	-48.96	-25.00	-23.96	Horizontal
6	7620.600	-59.92	14.52	-45.40	-25.00	-20.40	Horizontal
7	7680.000	-60.60	14.49	-46.11	-25.00	-21.11	Horizontal
8	31.735	-76.82	3.03	-73.79	-25.00	-48.79	Vertical
9	38.096	-74.82	1.67	-73.15	-25.00	-48.15	Vertical
10	919.132	-80.80	15.97	-64.83	-25.00	-39.83	Vertical

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11	5080.400	-58.13	11.88	-46.25	-25.00	-21.25	Vertical
12	5120.000	-60.88	11.95	-48.93	-25.00	-23.93	Vertical
13	7620.600	-59.96	14.52	-45.44	-25.00	-20.44	Vertical
14	7680.000	-61.22	14.49	-46.73	-25.00	-21.73	Vertical

Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result - Limit



## 5.9 FREQUENCY STABILITY

**Test Requirement:** FCC 47 CFR Part 2.1055 &  
FCC 47 CFR Part 22.355 &  
FCC 47 CFR Part 24.235 &  
FCC 47 CFR Part 27.54

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Limits:**

**FCC 47 CFR Part 22.355, FCC 47 CFR Par 90.213**

The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations.

**FCC 47 CFR Part 24.235, FCC 47 CFR Part 27.54**

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

**Test Setup:** Refer to section 4.2.2 for details.

**Test Procedures:**

- 1) Use CMW 500 with Frequency Error measurement capability.
  - a) Temp. =  $-30^{\circ}$  to  $+50^{\circ}\text{C}$
  - b) Voltage = low voltage, 3.4 Vdc, Normal, 3.87 Vdc and High voltage, 4.45 Vdc.
- 2) Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to  $20^{\circ}\text{C}$  and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until  $+50^{\circ}\text{C}$  is reached.

- 3) Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

**Equipment Used:** Refer to section 3 for details.

**Test Result:** Please refer to Appendix A

## APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

## APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.

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