

FCC TEST REPORT

Product Name: Tablet

Trade Mark:



Model No.: T8

Report Number: 200402011RFM-2R1

Test Standards: FCC 47 CFR Part 22
FCC 47 CFR Part 24
FCC 47 CFR Part 27
FCC 47 CFR Part 90

FCC ID: 2AUOUT8

Test Result: PASS

Date of Issue: May 19, 2021

Prepared for:

Rhino Mobility LLC

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May 19, 2021

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UTTR-RF-FCC4G-V1.1

Version

Version No.	Date	Description
V1.0	July 28, 2020	Original
V1.1	May 19, 2021	This report is based on the previous report that changed the PA batch. For specific changes, please refer to the difference declaration. After the evaluation, the Conducted Output Power and Field strength of spurious radiation were retested.



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1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	Rhino Mobility LLC
Address of Applicant:	8 The Green, Suite A, Dover, Delaware, 19901, USA
Manufacturer:	Rhino Mobility LLC
Address of Manufacturer:	8 The Green, Suite A, Dover, Delaware, 19901, USA

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name:	Tablet		
Model No.:	T8		
Trade Mark:			
DUT Stage:	Identical Prototype		
EUT Supports Function:	GSM Bands:	GSM850/1900	
	UTRA Bands:	Band II/ Band IV/ Band V	
	E-UTRA Bands:	FDD Band 2/ Band 4/ Band 5/ Band 7/ Band 12/Band 17/Band 25/ Band 26/ Band 30/Band 66/ Band 71	
		TDD Band 41	
	2.4 GHz ISM Band:	IEEE 802.11b/g/n	
		Bluetooth 5.0	
	5 GHz U-NII Bands:	5 150 MHz to 5 250 MHz	IEEE 802.11a/n
		5 250 MHz to 5 350 MHz	IEEE 802.11a/n
		5 470 MHz to 5 725 MHz	IEEE 802.11a/n
		5 725 MHz to 5 850 MHz	IEEE 802.11a/n
RNSS Bands:	1559 MHz to 1610 MHz	GPS/ GNSS/ GLONASS/ BDS	
NFC:	13.553 MHz to 13.567 MHz		
Original Sample Received Date:	April 3, 2020		
Original Sample Tested Date:	April 3, 2020 to July 20, 2020		
Sample Received Date:	April 20, 2021		
Sample Tested Date:	April 20, 2021 to April 30, 2021		

1.2.2 Description of Accessories

Adapter	
Model No.:	XY-PQ018U1
Input:	100-240 V~50/60 Hz 0.5A
Output:	3.6-6.0V == 3.0A /6.0-9.0V == 2.0A /9.0-12.0V == 1.5A
Manufacturer:	Dongguan Xuyuan Electronic Technology Co.,Ltd

Battery	
Model No.:	BPT8
Battery Type:	Lithium-ion Rechargeable Battery
Rated Voltage:	3.8 Vdc
Limited Charge Voltage:	4.35 Vdc
Rated Capacity:	5100 mAh
Manufacturer:	Dongguan Hongde Battery Co., Ltd.

Cable 1	
Description:	USB Type-C Plug Cable
Cable Type:	Unshielded without ferrite
Length:	2.0 Meter

Cable 2	
Description:	USB Type-C Plug Cable
Cable Type:	Unshielded without ferrite
Length:	1.0 Meter

1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Support Networks:	LTE	
Type of Modulation:	LTE Band 2/4/5/7/12/17/25/26/30/41/66/71:	UL:QPSK, 16QAM
		DL:QPSK, 16QAM, 64QAM
Antenna Type:	FPCB Antenna	
Antenna Gain:	LTE Band 2:	2.2 dBi
	LTE Band 4:	1.7 dBi
	LTE Band 5:	0.3 dBi
	LTE Band 7:	3.6 dBi
	LTE Band 12:	1.1 dBi
	LTE Band 17:	4.2 dBi
	LTE Band 25:	2.8 dBi
	LTE Band 26(824-849MHz):	0.3 dBi
	LTE Band 26(814-824MHz):	0.2 dBi
	LTE Band 30:	2.5 dBi
	LTE Band 41:	3.2 dBi
	LTE Band 66:	1.84 dBi
	LTE Band 71:	3.44 dBi
Normal Test Voltage:	3.8 Vdc	
Extreme Test Voltage:	3.5 to 4.2Vdc	
Extreme Test Temperature:	-20 °C to +55 °C	

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Summary of Results:								
Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		EIRP	99% BW	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)	(W)	(MHz)	
2	1.4	QPSK	1850.7-1909.3	22.53	24.73	0.29717	1.1017	1M10G7D
		16QAM		21.70	23.90	0.24547	1.0967	1M10W7D
	3	QPSK	1851.5-1908.5	22.37	24.57	0.28642	2.6925	2M69G7D
		16QAM		21.84	24.04	0.25351	2.6823	2M68W7D
	5	QPSK	1852.5-1907.5	22.43	24.63	0.29040	4.5283	4M53G7D
		16QAM		21.70	23.90	0.24547	4.5447	4M54W7D
	10	QPSK	1855.0-1905.0	22.53	24.73	0.29717	9.0121	9M01G7D
		16QAM		21.84	24.04	0.25351	9.0193	9M02W7D
	15	QPSK	1857.5-1902.5	22.50	24.70	0.29512	13.520	13M5G7D
		16QAM		21.77	23.97	0.24946	13.514	13M5W7D
	20	QPSK	1860.0-1900.0	22.55	24.75	0.29854	18.009	18M0G7D
		16QAM		21.86	24.06	0.25468	18.032	18M0W7D
4	1.4	QPSK	1710.7-1754.3	22.95	24.65	0.29174	1.1020	1M10G7D
		16QAM		22.33	24.03	0.25293	1.0983	1M10W7D
	3	QPSK	1711.5-1753.5	22.96	24.66	0.29242	2.6906	2M69G7D
		16QAM		22.45	24.15	0.26002	2.6845	2M68W7D
	5	QPSK	1712.5-1752.5	22.86	24.56	0.28576	4.5286	4M53G7D
		16QAM		22.39	24.09	0.25645	4.5283	4M53W7D
	10	QPSK	1715-1750	22.90	24.60	0.28840	9.0117	9M01G7D
		16QAM		22.40	24.10	0.25704	9.0225	9M02W7D
	15	QPSK	1717.5-1747.5	22.85	24.55	0.28510	13.510	13M5G7D
		16QAM		22.32	24.02	0.25235	13.505	13M5W7D
	20	QPSK	1720-1745	23.02	24.72	0.29648	18.017	18M0G7D
		16QAM		22.47	24.17	0.26122	18.019	18M0W7D
5	1.4	QPSK	824.7-848.3	24.22	22.37	0.17258	1.0964	1M10G7D
		16QAM		23.57	21.72	0.14859	1.0976	1M10W7D
	3	QPSK	825.5-847.5	24.22	22.37	0.17258	2.6930	2M69G7D
		16QAM		23.68	21.83	0.15241	2.6855	2M69W7D
	5	QPSK	826.5-846.5	24.23	22.38	0.17298	4.5424	4M54G7D
		16QAM		23.50	21.65	0.14622	4.5394	4M54W7D
	10	QPSK	829-844	24.39	22.54	0.17947	9.0366	9M04G7D
		16QAM		23.68	21.83	0.15241	9.0363	9M04W7D

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Summary of Results:								
Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		EIRP	99% BW	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)	(W)	(MHz)	
7	5	QPSK	2502.5-2567.5	19.54	23.14	0.20606	4.5279	4M52G7D
		16QAM		29.07	22.67	0.18493	4.5467	4M55W7D
	10	QPSK	2505-2565	19.62	23.22	0.20989	9.0144	9M01G7D
		16QAM		19.04	22.64	0.18365	8.9993	8M99W7D
	15	QPSK	2507.5-2562.5	19.66	23.26	0.21184	13.523	13M5G7D
		16QAM		19.06	22.66	0.18450	13.502	13M5W7D
	20	QPSK	2510-2560	19.67	23.27	0.21232	18.019	18M0G7D
		16QAM		19.17	22.77	0.18923	18.028	18M0W7D
12	1.4	QPSK	699.7-715.3	23.01	21.96	0.15704	1.1019	1M10G7D
		16QAM		22.53	21.48	0.14060	1.1010	1M10W7D
	3	QPSK	700.5-714.5	23.04	21.99	0.15812	2.6906	2M69G7D
		16QAM		22.55	21.50	0.14125	2.6832	2M68W7D
	5	QPSK	701.5-713.5	23.00	21.95	0.15668	4.5333	4M53G7D
		16QAM		22.45	21.40	0.13804	4.5406	4M54W7D
	10	QPSK	704-711	23.07	22.02	0.15922	9.0065	9M01G7D
		16QAM		22.59	21.54	0.14256	9.0201	9M02W7D
17	5	QPSK	706.5-713.5	24.34	26.39	0.43551	4.5335	4M53G7D
		16QAM		23.72	25.77	0.37757	4.5341	4M53W7D
	10	QPSK	709-711	24.40	26.45	0.44157	9.0321	9M03G7D
		16QAM		23.88	25.93	0.39174	9.0244	9M02W7D

Summary of Results:								
Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		EIRP	99% BW	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)	(W)	(MHz)	
25	1.4	QPSK	1850.7-1914.3	22.72	25.52	0.35645	1.1032	1M10G7D
		16QAM		21.89	24.98	0.31477	1.0991	1M10W7D
	3	QPSK	1851.5-1913.5	22.69	25.49	0.35400	2.6903	2M69G7D
		16QAM		21.88	25.02	0.31769	2.6840	2M68W7D
	5	QPSK	1852.5-1912.5	22.73	25.53	0.35727	4.5263	4M53G7D
		16QAM		22.24	25.04	0.31915	4.5347	4M53W7D
	10	QPSK	1855.0-1910.0	22.66	25.46	0.35156	9.0271	9M03G7D
		16QAM		22.21	25.01	0.31696	9.0119	9M01W7D
	15	QPSK	1857.5-1907.5	22.70	25.50	0.35481	13.515	13M5G7D
		16QAM		22.11	24.91	0.30974	13.515	13M5W7D
	20	QPSK	1860.0-1905.0	22.75	25.55	0.35892	18.031	18M0G7D
		16QAM		22.26	25.06	0.32063	17.997	18M0W7D
26	1.4	QPSK	824.7-848.3	23.96	22.11	0.16255	1.1006	1M10G7D
		16QAM		23.38	21.53	0.14223	1.0928	1M09W7D
	3	QPSK	825.5-847.5	23.89	22.04	0.15996	2.6899	2M69G7D
		16QAM		23.22	21.37	0.13709	2.6846	2M68W7D
	5	QPSK	826.5-846.5	23.96	22.11	0.16255	4.5302	4M53G7D
		16QAM		23.28	21.43	0.13900	4.5435	4M54W7D
	10	QPSK	829-844	23.89	22.04	0.15996	9.0198	9M02G7D
		16QAM		23.22	21.37	0.13709	9.0219	9M02W7D
	15	QPSK	831.5-841.5	24.05	22.20	0.16596	13.532	13M5G7D
		16QAM		23.41	21.56	0.14322	13.505	13M5W7D

Summary of Results:								
Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		EIRP	99% BW	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)	(W)	(MHz)	
26 (Part 90S)	1.4	QPSK	814.7-823.3	23.40	21.45	0.13964	1.1015	1M10G7D
		16QAM		22.46	20.51	0.11246	1.0981	1M10W7D
	3	QPSK	815.5-822.5	23.29	21.34	0.13614	2.6921	2M69G7D
		16QAM		22.52	20.57	0.11402	2.6842	2M68W7D
	5	QPSK	816.5-821.5	23.31	21.36	0.13677	4.5409	4M54G7D
		16QAM		22.48	20.53	0.11298	4.5470	4M55W7D
	10	QPSK	819	23.30	21.35	0.13646	9.0137	9M01G7D
		16QAM		22.45	20.50	0.11220	9.0217	9M02W7D
30	5	QPSK	2307.5-2312.5	21.31	23.81	0.24044	4.5297	4M53G7D
		16QAM		21.11	23.61	0.22961	4.5480	4M5W7D
	10	QPSK	2310-2310	21.34	23.84	0.24210	9.0078	9M00G7D
		16QAM		20.66	23.16	0.20701	9.0130	9M01W7D
41	5	QPSK	2557.5-2562.5	25.43	28.63	0.72946	4.5499	4M55G7D
		16QAM		24.39	27.59	0.57412	4.5276	4M53W7D
	10	QPSK	2560-2650	25.53	28.73	0.74645	9.0416	9M04G7D
		16QAM		24.36	27.56	0.57016	9.0247	9M02W7D
	15	QPSK	2562.5-2647.5	25.50	28.70	0.74131	13.596	13M6G7D
		16QAM		24.37	27.57	0.57148	13.587	13M6W7D
	20	QPSK	2565-2645	25.61	28.81	0.76033	18.083	18M1G7D
		16QAM		24.46	27.66	0.58345	18.082	18M1W7D

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Summary of Results:								
Bands	BW	Modulation	Frequency Range	Max RF Output Power (dBm)		EIRP	99% BW	Emission Designator
	(MHz)		(MHz)	Conducted (Average)	ERP/EIRP (Average)	(W)	(MHz)	
66	1.4	QPSK	1710.7-1779.3	22.72	24.56	0.28576	1.1019	1M10G7D
		16QAM		22.21	24.05	0.25410	1.0969	1M10W7D
	3	QPSK	1711.5-1778.5	22.65	24.46	0.27925	2.6881	2M69G7D
		16QAM		22.28	24.12	0.25823	2.6823	2M68W7D
	5	QPSK	1712.5-1777.5	22.67	24.51	0.28249	4.5367	4M54G7D
		16QAM		22.31	24.15	0.26002	4.5366	4M54W7D
	10	QPSK	1715-1775	22.71	24.55	0.28510	9.0205	9M02G7D
		16QAM		22.19	24.03	0.25293	9.0114	9M01W7D
	15	QPSK	1717.5-1772.5	22.69	24.53	0.28379	13.525	13M5G7D
		16QAM		21.81	24.05	0.25410	13.513	13M5W7D
71	5	QPSK	665.5-695.5	24.56	28.00	0.63096	4.5259	4M53G7D
		16QAM		23.97	27.41	0.55081	4.5438	4M54W7D
	10	QPSK	668-693	24.54	27.98	0.62806	9.0269	9M03G7D
		16QAM		24.06	27.50	0.56234	9.0215	9M02W7D
	15	QPSK	670.5-690.5	24.56	28.00	0.63096	13.538	13M5G7D
		16QAM		24.02	27.46	0.55719	13.528	13M5W7D
	20	QPSK	673-688	24.63	28.07	0.64121	18.032	18M0G7D
		16QAM		24.13	27.57	0.57148	18.078	18M1W7D

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
Notebook	Lenovo	E450	SL10G10780	UnionTrust

2) Support Cable

Cable No.	Description	Connector	Length	Supplied by
1	Antenna Cable	SMA	0.30 Meter	UnionTrust

1.5 TEST LOCATION

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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Fax: +86 (0) 755 2823 0886

1.6 TEST FACILITY

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/EN 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: 2005 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

1.7 DEVIATION FROM STANDARDS

None.

1.8 ABNORMALITIES FROM STANDARD CONDITIONS

None.

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 emission 9KHz-150KHz	±3.2 dB
2	Conducted emission 150KHz-30MHz	±2.7 dB
3	Radiated spurious emissions 30MHz-1GHz	± 4.9 dB
4	Radiated spurious emissions 1GHz-18GHz	± 4.8 dB
5	Radiated spurious emissions 18GHz-40GHz	± 5.1 dB
6	Occupied Bandwidth	± 1.86 %
7	DC Supply Voltages	± 0.68 %
8	Temperature	± 0.62 °C
9	Humidity	± 3.9 %
10	Conducted spurious emissions	± 2.7 dB
11	DC Supply Voltages	± 0.68 %
12	AC Supply Voltages	± 1.2 %
13	Radio Frequency	± 6.5 x 10 ⁻⁸
14	RF Power, Conducted	± 0.9 dB

2. TEST SUMMARY

FCC 47 CFR Part 24 Test Cases (Band 2 & Band 25)			
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 & Band 26)			
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 &	ANSI C63.26-2015 &	PASS

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	FCC 47 CFR Part 22.355	KDB 971168 D01v03r01	
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FCC 47 CFR Part 27 Test Cases (LTE Band 7 & Band 41)			
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 & 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

FCC 47 CFR Part 90 Test Cases (LTE Band 26)			
Test Item	Test Requirement	Test Method	Result
Effective Radiated Power (ERP)	FCC 47 CFR Part 2.1046 & FCC 47 CFR Part 90.635	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 90.635	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Peak-to-average ratio	N/A	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h)	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Emission Mask	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 90.691	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 90.691	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 90.691	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 90.213	ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01	PASS

FCC 47 CFR Part 27 Test Cases (LTE Band 30)			
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(a)(3)	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS
Conducted Output Power	FCC 47 CFR Part 2.1046(a) & FCC 47 CFR Part 27.50(a)(3)	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS
Peak-to-average ratio	FCC 47 CFR Part 27.50(a)(B)	KDB 971168 D01v02r02	PASS
99%&26dB Bandwidth	FCC 47 CFR Part 2.1049(h) FCC 47 CFR Part 27.50(a)	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	FCC 47 CFR Part 27.53(a)(4)	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53(a) (4)	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53(a) (4)	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS
Frequency stability	FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 27.54	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02	PASS

3. EQUIPMENT LIST

Radiated Emission Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm dd, yyyy)	Cal. Due date (mm dd, yyyy)
☒	3M Chamber & Accessory Equipment	ETS-LINDGREN	3M	N/A	Dec. 03, 2018	Dec. 03, 2021
☒	Receiver	R&S	ESIB26	100114	Nov. 24, 2019	Nov. 23, 2020
					Nov. 18, 2020	Nov. 17, 2021
☐	Loop Antenna	ETS-LINDGREN	6502	00202525	Nov. 24, 2019	Nov. 23, 2020
					Nov. 14, 2020	Nov. 13, 2021
☒	Broadband Antenna	ETS-LINDGREN	3142E	00201566	Nov. 16, 2019	Nov. 15, 2020
					Nov. 14, 2020	Nov. 13, 2021
☒	6dB Attenuator	Talent	RA6A5-N-18	18103001	Nov. 16, 2019	Nov. 15, 2020
					Nov. 14, 2020	Nov. 13, 2021
☒	Preamplifier	HP	8447F	2805A02960	Nov. 16, 2019	Nov. 15, 2020
					Nov. 10, 2020	Nov. 9, 2021
☐	Broadband Antenna (Pre-amplifier)	ETS-LINDGREN	3142E-PA	00201891	Nov. 24, 2019	Nov. 23, 2020
					Nov. 10, 2020	Nov. 9, 2021
☐	6dB Attenuator	Talent	RA6A5-N-18	18103002	Nov. 24, 2019	Nov. 23, 2020
					Nov. 18, 2020	Nov. 17, 2021
☐	Horn Antenna	ETS-LINDGREN	3117	00164202	Nov. 24, 2019	Nov. 23, 2020
					Nov. 14, 2020	Nov. 13, 2021
☒	Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3117-PA	00201874	Nov. 16, 2019	Nov. 15, 2020
					Nov. 10, 2020	Nov. 9, 2021
☒	Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3116C-PA	00202652	Nov. 16, 2019	Nov. 15, 2020
					Nov. 14, 2020	Nov. 13, 2021
☒	Wideband Radio Communication Tester	R&S	CMW500	119583	Jul. 31, 2019	Jul. 31, 2020
					Jul. 20, 2020	Jul. 19, 2021
☒	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
☒	Test Software	Audix	e3	Software Version: 9.160323		

RF Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm dd, yyyy)	Cal. Due date (mm dd, yyyy)
☒	Receiver	R&S	ESR7	1316.3003K07-101181-K3	Nov. 24, 2019	Nov. 23, 2020
					Nov. 18, 2020	Nov. 17, 2021
☒	EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY51440197	Nov. 24, 2019	Nov. 23, 2020
					Nov. 10, 2020	Nov. 9, 2021
☒	Wideband Radio Communication Tester	R&S	CMW500	119583	Jul. 31, 2019	Jul. 31, 2020
					Jul. 20, 2020	Jul. 19, 2021
☒	DC Source	KIKUSUI	PWR400L	LK003024	Sep. 09, 2019	Sep. 08, 2020
☒	Digital multimeter	FLUKE	15B+	30701460WS15	Nov. 12, 2020	Nov. 11, 2021
☒	Temp & Humidity chamber	Votisch	VT4002	58566133290020	May 11, 2020	May 10, 2021

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4. TEST CONFIGURATION

4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

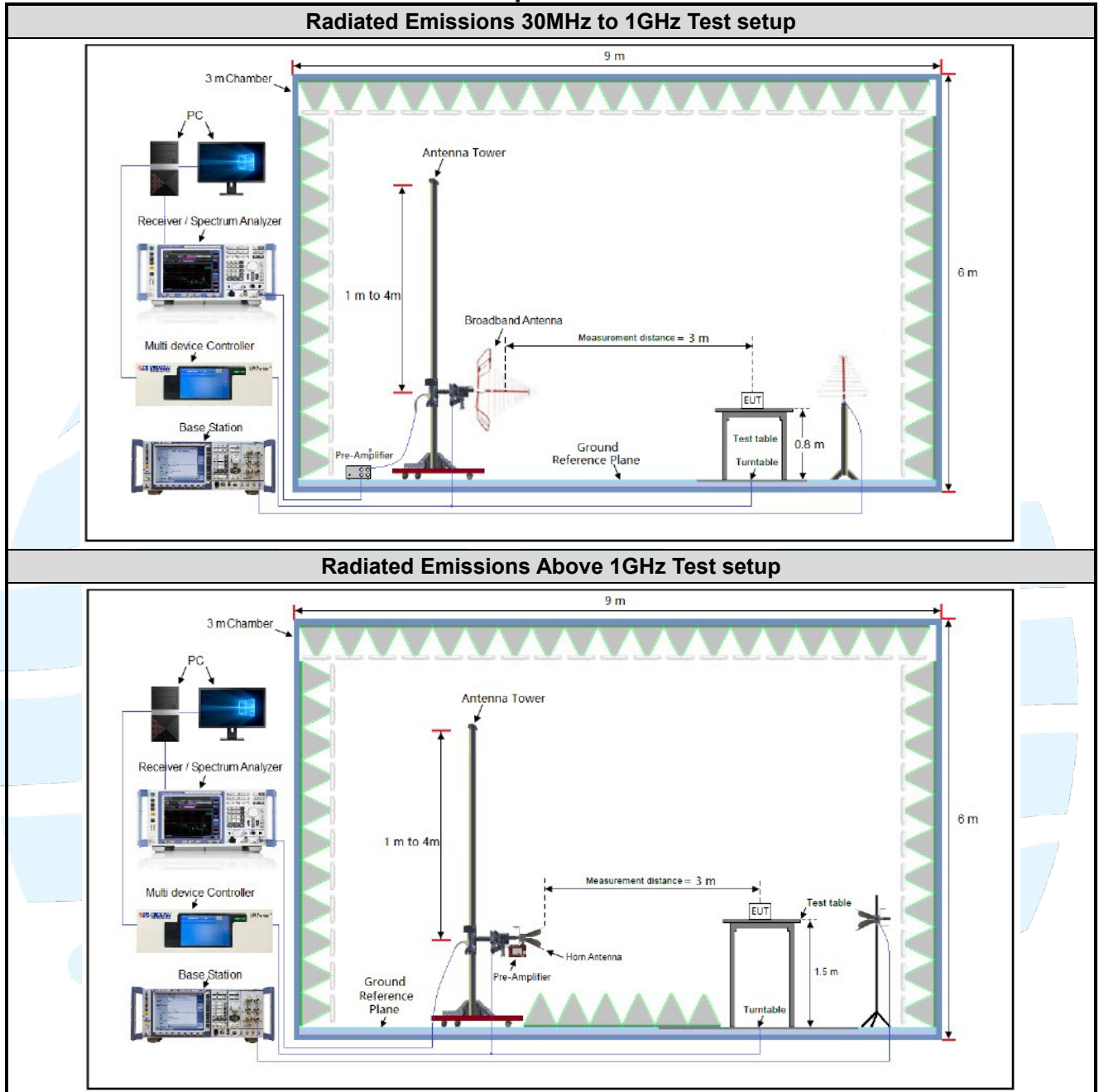
Test Environment	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage (V)	Relative Humidity (%)
TN/VN	+15 to +35	3.8	20 to 75
TL/VL	-20	3.5	20 to 75
TH/VL	+55	3.5	20 to 75
TL/VH	-20	4.2	20 to 75
TH/VH	+55	4.2	20 to 75

Remark:

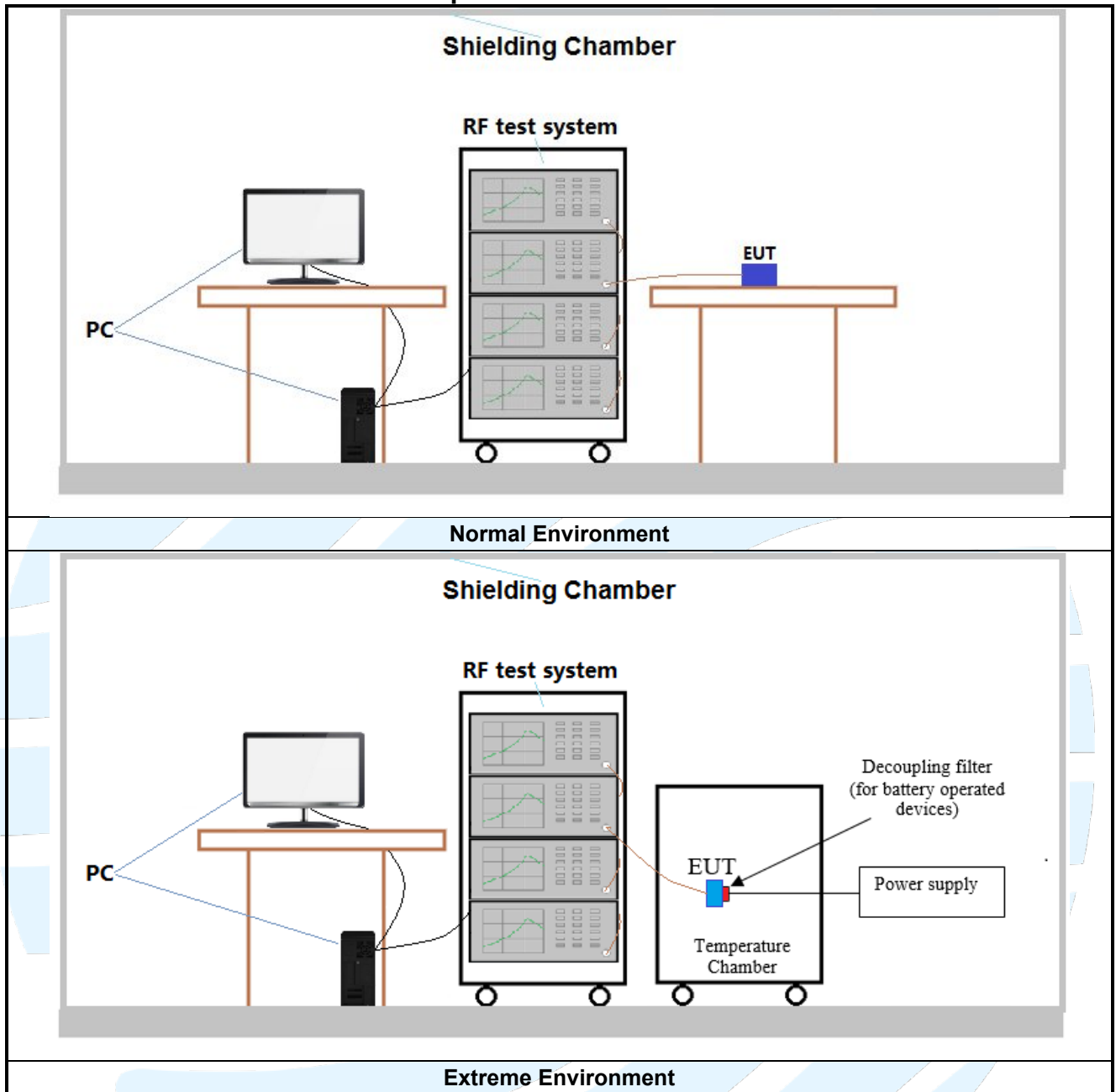
- 1) The EUT just work in such extreme temperature of -20 °C to +55 °C and the extreme voltage of 3.5 V to 4.2 V, so here the EUT is tested in the temperature of -20 °C to +55 °C and the voltage of 3.5 V to 4.2 V.
- 2) VN: Normal Voltage; TN: Normal Temperature;
TL: Low Extreme Test Temperature; TH: 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	2502.5
		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

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		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 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 25 TX: 1850-1915MHz	Low Range	1.4	26047	1850.7
		3	26055	1851.5
		5	26065	1852.5
		10	26090	1855
		15	26115	1857.5
		20	26140	1860
	Middle Range	1.4/3/5/10/15/20	26340	1880
	High Range	1.4	26683	1914.3
		3	26675	1913.5
		5	26665	1912.5
		10	26640	1910
		15	26615	1907.5
		20	26590	1905
LTE band 26 TX: 824–849MHz	Low Range	1.4	26797	824.7
		3	26805	825.5
		5	26815	826.5
		10	26840	829
		15	26865	831.5
	Middle Range	1.4/3/5/10/15	26915	836.5
	High Range	1.4	27033	848.3
		3	27025	847.5
		5	27015	846.5
		10	26990	844
		15	26965	841.5
LTE band 26 TX: 814-824MHz	Low Range	1.4	26697	814.7
		3	26705	815.5
		5	26715	816.5
		10	/	/
		15	/	/
	Middle Range	1.4/3/5/10	26740	819
	High Range	1.4	26783	823.3

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		3	26775	822.5
		5	26765	821.5
		10	/	/
		15	/	/
LTE Band 30 TX: 2305-2315MHz	Low Range	5	27685	2307.5
		10	/	/
	Middle Range	5/10	27710	2310
		5	27735	2312.5
	High Range	10	/	/
LTE Band 41 TX: 2496-2690MHz	Low Range	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Middle Range	5/10/ 15/20	40620	2593
	High Range	5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680
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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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 3.8V 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.

The worst case was found when positioned as the table below.

Band	Mode	Antenna Port	Worst-case axis positioning
LTE Band 2	1TX	Chain 0	X axis
LTE Band 4	1TX	Chain 0	X axis
LTE Band 5	1TX	Chain 0	X axis
LTE Band 7	1TX	Chain 0	X axis
LTE Band 12	1TX	Chain 0	X axis
LTE Band 17	1TX	Chain 0	X axis
LTE Band 25	1TX	Chain 0	X axis
LTE Band 26	1TX	Chain 0	X axis
LTE Band 30	1TX	Chain 0	X axis
LTE Band 41	1TX	Chain 0	X axis
LTE Band 66	1TX	Chain 0	X axis
LTE Band 71	1TX	Chain 0	X axis

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 under all rate at lowest middle and highest channel, find the transmitter power as below.

4.5.1 LTE Band 2

LTE Band 2 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.46	22.46	22.19	1	0	22.44	22.44	22.26
	1	2	22.87	22.72	22.68	1	7	22.95	22.65	22.60
	1	5	22.33	22.27	22.12	1	14	22.36	22.16	22.19
	3	0	23.08	22.91	22.73	8	0	22.07	21.91	21.69
	3	1	22.92	22.81	22.68	8	3	21.97	21.84	21.69
	3	3	23.02	23.04	22.79	8	7	22.01	22.04	21.88
	6	0	21.98	21.95	21.70	15	0	22.05	22.03	21.71
16QAM	1	0	21.69	21.88	21.58	1	0	21.74	21.88	21.70
	1	2	22.27	22.16	22.00	1	7	22.16	22.06	21.91
	1	5	21.78	21.66	21.64	1	14	21.64	21.83	21.63
	3	0	21.87	21.80	21.43	8	0	20.74	20.65	20.54
	3	1	21.74	21.60	21.51	8	3	20.77	20.53	20.65
	3	3	21.78	21.55	21.41	8	7	20.87	20.55	20.39
	6	0	20.86	20.53	20.52	15	0	20.79	20.58	20.46
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.50	22.47	22.28	1	0	22.56	22.35	22.26
	1	12	22.80	22.71	22.61	1	24	22.91	22.82	22.69
	1	24	22.43	22.24	22.24	1	49	22.35	22.28	22.19
	12	0	22.02	22.00	21.65	25	0	22.06	22.01	21.81
	12	6	21.84	21.82	21.83	25	12	21.97	21.81	21.75
	12	13	22.13	22.06	21.87	25	25	21.99	21.90	21.74
	25	0	22.06	21.98	21.84	50	0	22.05	21.96	21.83
16QAM	1	0	21.83	21.81	21.53	1	0	21.84	21.85	21.70
	1	12	22.32	22.23	21.93	1	24	22.23	22.04	21.88
	1	24	21.68	21.77	21.55	1	49	21.78	21.77	21.53
	12	0	20.75	20.77	20.50	25	0	20.75	20.64	20.53
	12	6	20.64	20.68	20.67	25	12	20.63	20.52	20.62
	12	13	20.74	20.63	20.52	25	25	20.79	20.57	20.36
	25	0	20.77	20.70	20.55	50	0	20.83	20.56	20.43

LTE Band 2 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	22.58	22.33	22.28	1	0	22.61	22.47	22.33
	1	37	22.77	22.78	22.52	1	50	22.97	22.83	22.71
	1	74	22.42	22.19	22.21	1	99	22.49	22.34	22.28
	37	0	22.08	21.98	21.70	50	0	22.12	22.06	21.83
	37	19	21.96	21.82	21.81	50	25	22.02	21.98	21.87
	37	39	22.09	22.02	21.84	50	50	22.16	22.07	21.89
	75	0	22.02	21.94	21.72	100	0	22.12	22.05	21.88
16QAM	1	0	21.79	21.83	21.62	1	0	21.86	21.92	21.72
	1	37	22.31	22.23	21.94	1	50	22.32	22.24	22.06
	1	74	21.75	21.72	21.66	1	99	21.83	21.86	21.72
	37	0	20.70	20.77	20.51	50	0	20.88	20.82	20.59
	37	19	20.76	20.63	20.61	50	25	20.78	20.72	20.68
	37	39	20.85	20.59	20.51	50	50	20.89	20.66	20.53
	75	0	20.72	20.63	20.42	100	0	20.88	20.71	20.56

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Verify power:

LTE Band 2 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	21.76	22.38	21.60	1	0	21.74	22.36	21.67
	1	2	22.04	22.53	22.23	1	7	22.12	22.37	22.15
	1	5	21.60	22.22	21.73	1	14	21.63	22.16	21.80
	3	0	21.98	22.32	22.32	8	0	20.97	21.32	21.28
	3	1	21.93	22.37	22.39	8	3	20.98	21.40	21.40
	3	3	22.00	22.31	22.50	8	7	21.05	21.31	21.53
	6	0	20.89	21.32	21.42	15	0	21.05	21.40	21.33
16QAM	1	0	21.12	21.38	21.66	1	0	21.23	21.38	21.84
	1	2	21.65	21.70	21.59	1	7	21.54	21.60	21.50
	1	5	21.29	21.45	21.37	1	14	21.15	21.62	21.36
	3	0	21.50	21.46	21.34	8	0	20.37	20.31	20.45
	3	1	21.49	21.42	21.48	8	3	20.52	20.35	20.62
	3	3	21.40	21.23	21.49	8	7	20.49	20.23	20.47
	6	0	20.46	20.19	20.46	15	0	20.39	20.24	20.40
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	21.80	22.39	21.69	1	0	21.86	22.27	21.67
	1	12	21.97	22.43	22.16	1	24	22.08	22.53	22.24
	1	24	21.70	22.24	21.85	1	49	21.62	22.16	21.80
	12	0	20.92	21.32	21.24	25	0	20.96	21.42	21.40
	12	6	20.85	21.41	21.54	25	12	20.98	21.37	21.46
	12	13	21.11	21.20	21.52	25	25	20.97	21.17	21.39
	25	0	21.00	21.35	21.46	50	0	20.99	21.33	21.45
16QAM	1	0	21.21	21.31	21.67	1	0	21.22	21.35	21.84
	1	12	21.70	21.69	21.52	1	24	21.61	21.58	21.47
	1	24	21.19	21.64	21.28	1	49	21.29	21.58	21.26
	12	0	20.38	20.47	20.41	25	0	20.38	20.46	20.44
	12	6	20.39	20.50	20.64	25	12	20.38	20.45	20.59
	12	13	20.36	20.31	20.60	25	25	20.41	20.25	20.44
	25	0	20.37	20.36	20.49	50	0	20.43	20.22	20.37

LTE Band 2 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	21.88	22.25	21.69	1	0	21.91	22.39	21.74
	1	37	21.94	22.50	22.18	1	50	22.14	22.55	22.26
	1	74	21.75	22.19	21.73	1	99	21.76	22.34	21.89
	37	0	20.88	21.39	21.37	50	0	21.02	21.47	21.42
	37	19	20.98	21.38	21.52	50	25	21.03	21.54	21.58
	37	39	21.05	21.29	21.49	50	50	21.14	21.34	21.54
	75	0	20.96	21.31	21.34	100	0	21.06	21.42	21.50
16QAM	1	0	21.17	21.33	21.76	1	0	21.24	21.42	21.86
	1	37	21.54	21.77	21.53	1	50	21.70	21.78	21.65
	1	74	21.24	21.51	21.39	1	99	21.34	21.65	21.45
	37	0	20.39	20.43	20.42	50	0	20.51	20.48	20.50
	37	19	20.47	20.45	20.58	50	25	20.53	20.54	20.65
	37	39	20.47	20.27	20.59	50	50	20.51	20.34	20.61
	75	0	20.32	20.29	20.36	100	0	20.48	20.37	20.50

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4.5.2 LTE Band 4

LTE Band 4 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.83	22.79	22.75	1	0	22.79	22.88	22.88
	1	2	23.14	23.28	23.35	1	7	23.26	23.22	23.36
	1	5	22.92	22.88	22.97	1	14	22.91	22.79	22.86
	3	0	22.87	23.04	23.17	8	0	21.95	22.06	22.11
	3	1	23.11	23.21	23.13	8	3	22.04	22.23	22.27
	3	3	23.14	23.02	23.22	8	7	22.04	22.04	22.17
16QAM	6	0	22.02	22.13	22.18	15	0	22.11	22.07	22.16
	1	0	21.96	22.30	22.21	1	0	22.03	22.39	22.23
	1	2	22.51	22.92	22.55	1	7	22.63	22.79	22.62
	1	5	22.21	22.42	22.32	1	14	22.17	22.43	22.31
	3	0	21.98	22.10	22.04	8	0	20.92	21.10	21.04
	3	1	22.06	22.17	22.13	8	3	21.07	21.14	21.24
16QAM	3	3	22.07	22.17	22.12	8	7	21.05	21.16	21.23
	6	0	21.00	21.18	21.25	15	0	21.16	21.21	21.28

LTE Band 4 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.83	22.76	22.80	1	0	22.83	22.76	22.77
	1	12	23.24	23.22	23.33	1	24	23.15	23.26	23.35
	1	24	22.96	22.95	22.96	1	49	22.96	22.78	22.88
	12	0	22.06	22.01	22.10	25	0	21.93	22.03	22.24
	12	6	21.99	22.17	22.24	25	12	21.99	22.12	22.25
	12	13	22.05	22.20	22.13	25	25	22.15	22.06	22.11
16QAM	25	0	22.07	22.07	22.23	50	0	22.02	21.99	22.19
	1	0	22.07	22.39	22.20	1	0	22.05	22.34	22.27
	1	12	22.47	22.97	22.56	1	24	22.50	22.82	22.68
	1	24	22.24	22.45	22.32	1	49	22.11	22.35	22.26
	12	0	20.94	21.17	21.19	25	0	20.98	21.15	21.18
	12	6	20.96	21.20	21.16	25	12	20.91	21.16	21.24
16QAM	12	13	21.05	21.21	21.26	25	25	21.05	21.21	21.21
	25	0	21.16	21.15	21.31	50	0	21.13	21.17	21.28
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	22.87	22.87	22.74	1	0	22.91	22.92	22.91
	1	37	23.09	23.33	23.42	1	50	23.26	23.38	23.46
	1	74	22.78	22.90	23.01	1	99	22.98	22.97	23.03
	37	0	21.88	21.97	22.21	50	0	22.06	22.15	22.24
	37	19	22.10	22.23	22.26	50	25	22.17	22.24	22.27
	37	39	22.02	22.11	22.20	50	50	22.16	22.21	22.23
16QAM	75	0	22.04	22.05	22.20	100	0	22.13	22.18	22.25
	1	0	21.95	22.36	22.23	1	0	22.12	22.40	22.33
	1	37	22.65	22.82	22.61	1	50	22.65	22.97	22.73
	1	74	22.20	22.34	22.41	1	99	22.28	22.48	22.44
	37	0	21.06	21.10	21.06	50	0	21.07	21.23	21.22
	37	19	20.96	21.13	21.24	50	25	21.11	21.31	21.29
16QAM	37	39	20.94	21.23	21.13	50	50	21.13	21.29	21.27
	75	0	20.98	21.26	21.15	100	0	21.17	21.27	21.31

Verify power:

LTE Band 4 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.37	22.50	22.37	1	0	22.33	22.59	22.50
	1	2	22.95	22.92	22.78	1	7	22.96	22.86	22.79
	1	5	22.45	22.54	22.44	1	14	22.45	22.45	22.32
	3	0	22.46	22.67	22.71	8	0	21.47	21.69	21.69
	3	1	22.82	22.79	22.68	8	3	21.74	21.84	21.81
	3	3	22.69	22.73	22.79	8	7	21.75	21.63	21.74
	6	0	21.61	21.73	21.73	15	0	21.71	21.67	21.71
16QAM	1	0	21.84	21.63	21.96	1	0	21.91	21.58	21.98
	1	2	22.33	22.10	22.27	1	7	22.45	22.06	22.34
	1	5	22.02	21.71	21.95	1	14	21.98	21.67	21.94
	3	0	21.67	21.82	21.83	8	0	20.61	20.69	20.66
	3	1	21.87	21.79	21.82	8	3	20.88	20.88	20.84
	3	3	21.83	21.77	21.69	8	7	20.81	20.76	20.77
	6	0	20.65	20.73	20.82	15	0	20.81	20.76	20.85

LTE Band 4 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.37	22.47	22.42	1	0	22.37	22.47	22.39
	1	12	22.83	22.86	22.76	1	24	22.85	22.90	22.78
	1	24	22.45	22.50	22.43	1	49	22.50	22.44	22.35
	12	0	21.51	21.77	21.64	25	0	21.52	21.66	21.78
	12	6	21.65	21.72	21.79	25	12	21.65	21.77	21.78
	12	13	21.65	21.79	21.70	25	25	21.75	21.65	21.75
	25	0	21.71	21.67	21.74	50	0	21.62	21.59	21.74
16QAM	1	0	21.87	21.55	21.97	1	0	21.98	21.67	22.04
	1	12	22.29	22.13	22.39	1	24	22.34	22.02	22.40
	1	24	22.05	21.67	21.96	1	49	21.92	21.67	21.89
	12	0	20.63	20.81	20.81	25	0	20.67	20.79	20.80
	12	6	20.77	20.82	20.76	25	12	20.72	20.78	20.85
	12	13	20.81	20.81	20.80	25	25	20.81	20.81	20.76
	25	0	20.81	20.70	20.88	50	0	20.78	20.72	20.85
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	22.41	22.58	22.36	1	0	22.45	22.63	22.53
	1	37	22.79	22.84	22.85	1	50	22.96	23.02	22.89
	1	74	22.32	22.56	22.48	1	99	22.52	22.63	22.50
	37	0	21.47	21.64	21.60	50	0	21.65	21.78	21.78
	37	19	21.76	21.84	21.76	50	25	21.83	21.85	21.82
	37	39	21.62	21.72	21.77	50	50	21.76	21.80	21.80
	75	0	21.64	21.77	21.64	100	0	21.73	21.78	21.80
16QAM	1	0	21.83	21.69	22.03	1	0	22.00	21.73	22.08
	1	37	22.32	22.02	22.31	1	50	22.47	22.17	22.45
	1	74	21.95	21.66	22.04	1	99	22.09	21.80	22.07
	37	0	20.75	20.74	20.68	50	0	20.76	20.87	20.84
	37	19	20.77	20.75	20.84	50	25	20.92	20.93	20.89
	37	39	20.70	20.83	20.67	50	50	20.89	20.89	20.81
	75	0	20.63	20.81	20.72	100	0	20.82	20.82	20.88

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4.5.3 LTE Band 5

LTE Band 5 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	24.24	24.19	24.17	1	0	24.25	24.22	24.22
	1	2	24.33	24.33	24.33	1	7	24.32	24.47	24.38
	1	5	24.15	24.21	24.35	1	14	24.32	24.30	24.21
	3	0	24.56	24.31	24.59	8	0	23.58	23.47	23.58
	3	1	24.59	24.35	24.45	8	3	23.53	23.36	23.48
	3	3	24.44	24.39	24.45	8	7	23.51	23.43	23.53
16QAM	6	0	23.45	23.33	23.51	15	0	23.49	23.40	23.51
	1	0	23.37	23.35	23.28	1	0	23.28	23.27	23.25
	1	2	23.51	23.63	23.44	1	7	23.62	23.55	23.36
	1	5	23.30	23.41	23.22	1	14	23.27	23.39	23.39
	3	0	23.38	23.27	23.24	8	0	22.35	22.28	22.29
	3	1	23.40	23.40	23.28	8	3	22.41	22.36	22.31
16QAM	3	3	23.47	23.26	23.16	8	7	22.47	22.25	22.25
	6	0	22.35	22.26	22.35	15	0	22.31	22.21	22.34
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	24.31	24.18	24.25	1	0	24.35	24.32	24.33
	1	12	24.31	24.51	24.46	1	24	24.50	24.52	24.49
	1	24	24.14	24.34	24.30	1	49	24.34	24.36	24.37
	12	0	23.46	23.36	23.58	25	0	23.60	23.47	23.59
	12	6	23.49	23.30	23.43	25	12	23.62	23.50	23.60
	12	13	23.50	23.39	23.49	25	25	23.61	23.48	23.53
16QAM	25	0	23.56	23.44	23.47	50	0	23.59	23.52	23.57
	1	0	23.28	23.41	23.20	1	0	23.40	23.44	23.38
	1	12	23.44	23.49	23.43	1	24	23.62	23.64	23.48
	1	24	23.37	23.38	23.35	1	49	23.43	23.44	23.42
	12	0	22.34	22.29	22.23	25	0	22.42	22.36	22.38
	12	6	22.32	22.29	22.23	25	12	22.45	22.43	22.36
16QAM	12	13	22.47	22.27	22.27	25	25	22.49	22.33	22.35
	25	0	22.27	22.27	22.22	50	0	22.42	22.34	22.37

Verify power:

LTE Band 5 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	24.04	24.01	23.96	1	0	24.05	24.04	24.01
	1	2	24.22	24.08	24.10	1	7	24.21	24.22	24.21
	1	5	24.11	24.12	24.19	1	14	24.13	24.16	24.13
	3	0	24.11	24.06	24.14	8	0	23.14	23.10	23.07
	3	1	24.11	23.88	23.96	8	3	23.05	22.96	23.00
	3	3	24.00	23.99	24.08	8	7	23.11	23.08	23.10
	6	0	23.00	22.87	23.01	15	0	23.07	22.90	23.02
16QAM	1	0	23.49	23.03	23.10	1	0	23.40	23.11	23.14
	1	2	23.57	23.26	23.26	1	7	23.68	23.22	23.30
	1	5	23.43	23.11	22.96	1	14	23.40	23.09	23.13
	3	0	23.12	23.00	23.10	8	0	22.08	22.01	22.04
	3	1	23.03	23.09	23.06	8	3	22.06	22.05	22.08
	3	3	23.16	22.99	22.89	8	7	22.16	21.98	21.98
	6	0	22.04	21.96	22.03	15	0	22.00	21.91	22.02
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	24.11	24.00	24.04	1	0	24.15	24.14	24.12
	1	12	24.20	24.13	24.23	1	24	24.39	24.27	24.26
	1	24	23.95	24.09	24.06	1	49	24.15	24.22	24.21
	12	0	23.02	22.96	23.01	25	0	23.16	23.10	23.14
	12	6	23.01	22.95	23.04	25	12	23.14	23.08	23.12
	12	13	23.06	23.02	23.04	25	25	23.17	23.08	23.10
	25	0	23.11	22.98	23.00	50	0	23.14	23.06	23.07
16QAM	1	0	23.40	23.03	23.14	1	0	23.52	23.16	23.20
	1	12	23.50	23.15	23.23	1	24	23.68	23.30	23.30
	1	24	23.50	23.10	23.09	1	49	23.56	23.16	23.16
	12	0	22.07	22.02	21.98	25	0	22.15	22.09	22.13
	12	6	21.97	21.98	22.00	25	12	22.10	22.12	22.13
	12	13	22.16	22.00	22.00	25	25	22.18	22.06	22.08
	25	0	21.96	21.97	21.90	50	0	22.11	22.04	22.05

4.5.4 LTE Band 7

LTE Band 7 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	19.30	19.06	18.97	1	0	19.40	19.22	19.04
	1	12	19.68	19.49	19.22	1	24	19.67	19.37	19.29
	1	24	19.29	18.96	18.92	1	49	19.18	19.06	18.84
	12	0	18.64	18.31	18.17	25	0	18.59	18.38	18.25
	12	6	18.72	18.37	18.18	25	12	18.75	18.37	18.27
	12	13	18.65	18.33	18.19	25	25	18.62	18.44	18.24
16QAM	25	0	18.64	18.41	18.23	50	0	18.71	18.38	18.32
	1	0	18.94	18.70	18.34	1	0	18.78	18.68	18.42
	1	12	19.22	19.09	18.75	1	24	19.19	19.06	18.71
	1	24	18.87	18.75	18.42	1	49	18.92	18.57	18.42
	12	0	17.65	17.47	17.22	25	0	17.73	17.38	17.19
	12	6	17.70	17.52	17.22	25	12	17.66	17.46	17.27
QPSK	12	13	17.53	17.40	17.30	25	25	17.57	17.54	17.22
	25	0	17.75	17.34	17.20	50	0	17.69	17.36	17.23
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	19.39	19.11	18.92	1	0	19.43	19.24	19.12
	1	37	19.54	19.54	19.27	1	50	19.72	19.55	19.38
	1	74	19.30	19.09	18.95	1	99	19.36	19.14	18.96
	37	0	18.70	18.38	18.10	50	0	18.77	18.51	18.29
	37	19	18.77	18.45	18.24	50	25	18.79	18.55	18.33
	37	39	18.60	18.39	18.31	50	50	18.72	18.47	18.36
16QAM	75	0	18.70	18.34	18.33	100	0	18.74	18.51	18.34
	1	0	18.85	18.83	18.34	1	0	18.97	18.83	18.50
	1	37	19.21	18.95	18.85	1	50	19.32	19.13	18.88
	1	74	18.84	18.64	18.37	1	99	18.96	18.76	18.43
	37	0	17.71	17.49	17.27	50	0	17.81	17.55	17.37
	37	19	17.71	17.44	17.21	50	25	17.85	17.54	17.37
QPSK	37	39	17.66	17.41	17.25	50	50	17.72	17.56	17.33
	75	0	17.80	17.41	17.28	100	0	17.80	17.54	17.33

Verify power:

LTE Band 7 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	19.23	18.77	18.77	1	0	19.33	18.93	18.84
	1	12	19.54	19.26	19.09	1	24	19.62	19.14	19.07
	1	24	19.38	18.73	18.84	1	49	19.21	18.83	18.81
	12	0	18.35	18.02	18.16	25	0	18.32	18.02	18.15
	12	6	18.47	18.17	18.12	25	12	18.50	18.00	18.21
	12	13	18.50	18.08	18.22	25	25	18.43	18.13	18.20
	25	0	18.37	18.14	18.11	50	0	18.35	18.13	18.05
16QAM	1	0	18.67	18.31	18.26	1	0	18.64	18.25	18.34
	1	12	19.07	18.81	18.75	1	24	19.04	18.90	18.71
	1	24	18.69	18.30	18.42	1	49	18.74	18.26	18.42
	12	0	17.45	17.06	17.18	25	0	17.53	17.08	17.15
	12	6	17.47	17.32	17.17	25	12	17.49	17.26	17.22
	12	13	17.49	17.17	17.26	25	25	17.53	17.31	17.18
	25	0	17.62	17.10	17.15	50	0	17.56	17.12	17.18
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	19.32	18.82	18.72	1	0	19.36	18.95	18.92
	1	37	19.66	19.31	19.14	1	50	19.67	19.32	19.25
	1	74	19.23	18.81	18.86	1	99	19.39	18.91	18.91
	37	0	18.47	17.99	18.13	50	0	18.50	18.15	18.26
	37	19	18.48	18.08	18.17	50	25	18.54	18.18	18.27
	37	39	18.47	18.09	18.34	50	50	18.57	18.23	18.39
	75	0	18.43	18.12	18.21	100	0	18.47	18.24	18.22
16QAM	1	0	18.58	18.34	18.26	1	0	18.70	18.40	18.42
	1	37	19.06	18.83	18.85	1	50	19.17	18.97	18.88
	1	74	18.66	18.33	18.37	1	99	18.78	18.45	18.43
	37	0	17.51	17.19	17.23	50	0	17.61	17.25	17.33
	37	19	17.48	17.24	17.16	50	25	17.62	17.34	17.32
	37	39	17.62	17.18	17.21	50	50	17.68	17.33	17.29
	75	0	17.67	17.17	17.23	100	0	17.67	17.30	17.28

4.5.5 LTE Band 12

LTE Band 12 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.99	22.89	22.86	1	0	22.97	22.83	22.75
	1	2	23.13	23.05	23.06	1	7	23.04	23.09	22.95
	1	5	23.02	22.88	22.84	1	14	23.05	22.94	22.94
	3	0	22.98	23.02	22.93	8	0	21.99	22.12	22.10
	3	1	23.12	23.11	22.97	8	3	22.08	22.12	22.11
	3	3	23.08	23.10	23.18	8	7	21.98	22.00	22.16
16QAM	6	0	22.02	22.05	22.12	15	0	22.07	22.10	22.15
	1	0	22.09	21.99	22.06	1	0	22.12	22.03	22.06
	1	2	22.30	22.32	22.26	1	7	22.33	22.41	22.28
	1	5	22.32	22.07	21.99	1	14	22.24	22.18	22.17
	3	0	21.89	22.01	22.07	8	0	20.95	20.92	20.97
	3	1	21.98	21.92	22.03	8	3	21.05	20.92	21.04
16QAM	3	3	21.94	22.13	22.06	8	7	20.96	21.05	21.13
	6	0	21.07	20.97	21.12	15	0	21.08	20.96	20.98
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.97	22.83	22.91	1	0	23.03	22.99	22.95
	1	12	23.07	23.10	23.04	1	24	23.19	23.15	23.12
	1	24	22.93	22.83	22.96	1	49	23.10	23.03	22.99
	12	0	22.09	22.08	21.95	25	0	22.11	22.14	22.11
	12	6	22.03	22.05	21.95	25	12	22.17	22.16	22.13
	12	13	21.92	22.15	22.04	25	25	22.12	22.19	22.18
	25	0	22.15	22.13	22.02	50	0	22.16	22.17	22.15
16QAM	1	0	22.19	21.94	22.06	1	0	22.26	22.06	22.15
	1	12	22.33	22.33	22.28	1	24	22.39	22.43	22.32
	1	24	22.18	22.05	22.02	1	49	22.32	22.21	22.18
	12	0	20.94	20.99	20.95	25	0	21.09	21.07	21.09
	12	6	21.02	20.99	21.11	25	12	21.11	21.06	21.12
	12	13	20.95	20.95	21.10	25	25	21.12	21.15	21.13
	25	0	20.98	20.94	21.05	50	0	21.10	21.12	21.14

Verify power:

LTE Band 12 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.83	22.77	22.75	1	0	22.81	22.71	22.64
	1	2	23.00	22.95	23.01	1	7	22.91	23.04	22.90
	1	5	22.71	22.88	22.70	1	14	22.89	22.82	22.82
	3	0	22.88	22.71	22.89	8	0	21.78	21.82	21.95
	3	1	22.81	22.90	22.90	8	3	21.82	21.92	21.98
	3	3	22.78	22.80	22.91	8	7	21.85	21.70	21.95
	6	0	21.74	21.81	21.85	15	0	21.73	21.81	21.85
16QAM	1	0	21.84	21.71	22.25	1	0	21.87	21.85	22.33
	1	2	22.08	21.96	22.53	1	7	22.16	22.03	22.55
	1	5	22.01	21.90	22.16	1	14	21.98	21.87	22.34
	3	0	21.71	21.83	22.00	8	0	20.77	20.88	20.90
	3	1	21.84	21.87	21.91	8	3	20.91	20.87	20.92
	3	3	21.74	21.98	21.98	8	7	20.76	20.90	21.05
	6	0	20.89	20.74	20.97	15	0	20.90	20.73	20.83
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.81	22.71	22.80	1	0	22.87	22.87	22.84
	1	12	22.90	23.00	22.91	1	24	23.06	23.05	23.07
	1	24	22.82	22.74	22.79	1	49	22.90	22.94	22.87
	12	0	21.83	21.75	21.91	25	0	21.90	21.90	21.98
	12	6	21.76	21.78	21.81	25	12	21.90	21.92	21.99
	12	13	21.65	21.88	21.97	25	25	21.85	21.89	21.98
	25	0	21.87	21.85	21.92	50	0	21.88	21.88	21.99
16QAM	1	0	21.94	21.73	22.36	1	0	22.01	21.88	22.42
	1	12	22.11	21.95	22.45	1	24	22.17	22.05	22.59
	1	24	21.87	21.74	22.20	1	49	22.01	21.90	22.35
	12	0	20.76	20.95	20.88	25	0	20.91	21.03	21.02
	12	6	20.88	20.94	20.99	25	12	20.97	21.01	21.00
	12	13	20.75	20.80	21.02	25	25	20.92	21.00	21.05
	25	0	20.80	20.71	20.90	50	0	20.92	20.89	20.99

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4.5.6 LTE Band 17

LTE Band 17 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	24.20	24.33	24.28	1	0	24.51	24.50	24.41
	1	12	24.37	24.35	24.34	1	24	24.42	24.41	24.45
	1	24	24.22	24.40	24.43	1	49	23.53	23.49	23.47
	12	0	23.44	23.49	23.29	25	0	23.47	23.45	23.48
	12	6	23.32	23.40	23.38	25	12	23.49	23.47	23.50
	12	13	23.40	23.39	23.47	25	25	23.52	23.50	23.47
16QAM	25	0	23.43	23.42	23.41	50	0	23.49	23.52	23.44
	1	0	23.40	23.51	23.30	1	0	23.65	23.62	23.59
	1	12	23.60	23.46	23.54	1	24	23.56	23.58	23.50
	1	24	23.47	23.40	23.50	1	49	22.54	22.53	22.49
	12	0	22.41	22.53	22.43	25	0	22.52	22.48	22.50
	12	6	22.48	22.46	22.33	25	12	22.50	22.55	22.54
	12	13	22.44	22.54	22.52	25	25	22.55	22.52	22.49
	25	0	22.45	22.45	22.45	50	0	24.51	24.50	24.41

Verify power:

LTE Band 17 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	24.00	24.11	24.16	1	0	24.14	24.14	24.16
	1	12	24.20	24.24	24.34	1	24	24.34	24.39	24.40
	1	24	24.07	24.28	24.12	1	49	24.27	24.29	24.29
	12	0	23.19	23.31	23.29	25	0	23.28	23.31	23.31
	12	6	23.15	23.23	23.13	25	12	23.30	23.29	23.31
	12	13	23.09	23.10	23.30	25	25	23.23	23.27	23.30
16QAM	25	0	23.06	23.27	23.32	50	0	23.26	23.29	23.34
	1	0	23.05	23.68	23.16	1	0	23.14	23.69	23.31
	1	12	23.30	23.72	23.53	1	24	23.35	23.88	23.54
	1	24	23.16	23.48	23.31	1	49	23.21	23.66	23.31
	12	0	22.25	22.33	22.27	25	0	22.33	22.33	22.33
	12	6	22.29	22.28	22.18	25	12	22.37	22.30	22.35
	12	13	22.28	22.30	22.27	25	25	22.29	22.31	22.29
	25	0	22.72	22.74	22.80	50	0	22.82	22.81	22.84

4.5.7 LTE Band 25

LTE Band 25 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.62	22.56	22.31	1	0	22.61	22.55	22.35
	1	2	23.05	22.86	22.75	1	7	23.20	22.94	22.86
	1	5	22.44	22.49	22.38	1	14	22.61	22.48	22.49
	3	0	22.92	22.70	22.75	8	0	21.93	21.78	21.58
	3	1	22.87	22.88	22.61	8	3	21.86	21.82	21.66
	3	3	22.96	22.67	22.58	8	7	21.98	21.74	21.75
16QAM	6	0	22.03	21.70	21.66	15	0	21.93	21.84	21.64
	1	0	21.95	22.05	21.79	1	0	21.86	21.94	21.79
	1	2	22.46	22.57	22.25	1	7	22.50	22.55	22.37
	1	5	21.86	21.91	21.74	1	14	21.80	21.90	21.75
	3	0	21.95	21.88	21.80	8	0	20.92	20.79	20.73
	3	1	22.03	21.89	21.75	8	3	20.96	20.90	20.80
	3	3	21.91	21.75	21.66	8	7	20.99	20.80	20.66
	6	0	21.06	20.78	20.61	15	0	21.02	20.80	20.70

LTE Band 25 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.66	22.60	22.37	1	0	22.71	22.59	22.28
	1	12	23.21	22.87	22.78	1	24	23.06	22.97	22.83
	1	24	22.46	22.49	22.37	1	49	22.51	22.44	22.35
	12	0	21.98	21.78	21.68	25	0	22.01	21.81	21.69
	12	6	21.95	21.76	21.78	25	12	21.98	21.76	21.70
	12	13	21.82	21.80	21.74	25	25	21.92	21.77	21.76
16QAM	25	0	21.95	21.84	21.61	50	0	21.93	21.73	21.59
	1	0	22.00	22.11	21.78	1	0	22.01	21.99	21.78
	1	12	22.50	22.64	22.39	1	24	22.41	22.49	22.27
	1	24	21.90	22.01	21.56	1	49	21.93	21.88	21.66
	12	0	20.93	20.70	20.85	25	0	20.97	20.79	20.79
	12	6	20.92	20.81	20.72	25	12	21.02	20.90	20.80
QPSK	12	13	20.96	20.68	20.68	25	25	20.88	20.66	20.59
	25	0	20.92	20.87	20.68	50	0	21.00	20.82	20.60
	Channel Bandwidth: 15 MHz					Channel Bandwidth: 20 MHz				
	1	0	22.61	22.48	22.30	1	0	22.77	22.63	22.47
	1	37	23.10	23.03	22.87	1	50	23.21	23.06	22.92
	1	74	22.54	22.39	22.36	1	99	22.64	22.57	22.53
16QAM	37	0	21.90	21.69	21.77	50	0	22.02	21.86	21.77
	37	19	21.90	21.79	21.78	50	25	22.01	21.90	21.79
	37	39	21.92	21.66	21.62	50	50	21.99	21.81	21.78
	75	0	22.07	21.76	21.64	100	0	22.09	21.88	21.74
	1	0	21.88	22.03	21.81	1	0	22.04	22.14	21.85
	1	37	22.48	22.59	22.26	1	50	22.58	22.64	22.41
QPSK	1	74	21.91	21.95	21.72	1	99	21.97	22.03	21.76
	37	0	21.03	20.85	20.78	50	0	21.08	20.90	20.87
	37	19	20.97	20.87	20.75	50	25	21.06	20.99	20.83
	37	39	20.97	20.79	20.54	50	50	21.03	20.83	20.73
	75	0	21.04	20.79	20.65	100	0	21.07	20.96	20.78

Verify power:

LTE Band 25 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.03	22.18	22.07	1	0	21.95	22.17	22.11
	1	2	22.39	22.46	22.72	1	7	22.54	22.65	22.69
	1	5	22.05	22.24	22.40	1	14	22.04	22.18	22.42
	3	0	22.30	22.31	22.30	8	0	21.35	21.44	21.34
	3	1	22.30	22.46	22.54	8	3	21.29	21.41	21.58
	3	3	22.42	22.21	22.30	8	7	21.44	21.28	21.39
	6	0	21.45	21.25	21.39	15	0	21.35	21.39	21.27
16QAM	1	0	21.46	21.29	21.66	1	0	21.51	21.18	21.63
	1	2	21.89	21.65	22.18	1	7	21.88	21.74	22.22
	1	5	21.50	21.32	21.66	1	14	21.54	21.34	21.81
	3	0	21.29	21.28	21.41	8	0	20.26	20.26	20.29
	3	1	21.35	21.35	21.42	8	3	20.28	20.36	20.53
	3	3	21.31	21.21	21.33	8	7	20.39	20.26	20.33
	6	0	20.44	20.17	20.29	15	0	20.40	20.19	20.38

LTE Band 25 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.00	22.22	22.13	1	0	22.05	22.21	22.04
	1	12	22.55	22.47	22.73	1	24	22.40	22.57	22.66
	1	24	21.89	22.28	22.26	1	49	21.94	22.19	22.32
	12	0	21.40	21.34	21.40	25	0	21.30	21.42	21.32
	12	6	21.38	21.41	21.54	25	12	21.34	21.44	21.56
	12	13	21.36	21.34	21.39	25	25	21.38	21.24	21.41
	25	0	21.38	21.39	21.34	50	0	21.35	21.39	21.38
16QAM	1	0	21.50	21.35	21.65	1	0	21.52	21.23	21.59
	1	12	21.97	21.77	22.24	1	24	21.84	21.68	22.21
	1	24	21.54	21.41	21.62	1	49	21.57	21.30	21.78
	12	0	20.27	20.21	20.41	25	0	20.31	20.36	20.35
	12	6	20.34	20.27	20.45	25	12	20.34	20.41	20.53
	12	13	20.40	20.14	20.35	25	25	20.28	20.12	20.26
	25	0	20.45	20.26	20.36	50	0	20.38	20.21	20.28
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	21.95	22.10	22.06	1	0	22.11	22.25	22.23
	1	37	22.40	22.63	22.70	1	50	22.55	22.66	22.75
	1	74	22.03	22.14	22.29	1	99	22.07	22.32	22.46
	37	0	21.35	21.30	21.27	50	0	21.44	21.47	21.42
	37	19	21.33	21.37	21.61	50	25	21.44	21.48	21.65
	37	39	21.38	21.30	21.34	50	50	21.45	21.35	21.43
	75	0	21.49	21.26	21.37	100	0	21.51	21.43	21.47
16QAM	1	0	21.39	21.38	21.68	1	0	21.55	21.38	21.72
	1	37	21.91	21.67	22.11	1	50	22.01	21.77	22.26
	1	74	21.55	21.33	21.67	1	99	21.61	21.43	21.82
	37	0	20.37	20.35	20.39	50	0	20.42	20.41	20.43
	37	19	20.29	20.40	20.47	50	25	20.38	20.45	20.56
	37	39	20.37	20.25	20.21	50	50	20.43	20.29	20.40
	75	0	20.42	20.18	20.33	100	0	20.45	20.35	20.46

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4.5.8 LTE Band 26

LTE Band 26 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	23.95	23.81	23.91	1	0	23.92	23.95	23.90
	1	2	24.21	24.10	24.18	1	7	24.15	24.23	24.11
	1	5	23.90	23.94	23.81	1	14	23.84	23.81	23.83
	3	0	24.13	24.03	24.20	8	0	23.07	23.09	23.08
	3	1	24.02	24.07	24.10	8	3	23.13	23.04	23.20
	3	3	24.13	24.06	24.21	8	7	23.18	23.11	23.05
16QAM	6	0	23.14	23.08	23.22	15	0	23.10	23.20	23.08
	1	0	23.13	23.08	23.18	1	0	23.24	23.12	23.19
	1	2	23.48	23.27	23.42	1	7	23.50	23.37	23.36
	1	5	23.21	23.19	23.03	1	14	23.06	23.17	23.13
	3	0	23.01	23.11	23.21	8	0	22.04	21.97	22.13
	3	1	23.15	23.19	23.05	8	3	22.18	22.12	22.19
QPSK	3	3	23.16	23.00	23.04	8	7	22.03	22.03	22.05
	6	0	22.00	22.10	22.06	15	0	22.10	22.02	21.99
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	23.86	23.98	23.82	1	0	23.96	23.91	23.88
	1	12	24.08	24.08	24.18	1	24	24.22	24.06	24.07
	1	24	23.99	23.82	23.92	1	49	23.84	23.90	23.80
	12	0	22.97	23.03	23.08	25	0	23.01	23.10	23.13
	12	6	23.15	23.20	23.03	25	12	23.09	23.10	23.04
	12	13	23.05	23.01	23.21	25	25	23.14	23.17	23.21
16QAM	25	0	23.21	23.22	23.20	50	0	23.07	23.21	23.10
	1	0	23.26	23.08	23.25	1	0	23.08	23.07	23.24
	1	12	23.38	23.33	23.43	1	24	23.32	23.28	23.37
	1	24	23.09	23.24	23.21	1	49	23.15	23.16	23.05
	12	0	21.95	22.12	22.11	25	0	22.04	21.97	22.10
	12	6	22.13	22.04	22.12	25	12	22.17	22.09	22.09
QPSK	12	13	22.05	22.01	22.09	25	25	22.08	22.15	22.06
	25	0	22.06	22.05	22.07	50	0	21.95	22.15	22.11

LTE Band 26					
Modulation	RB		Test Channel		
	Size	Offset	Low	Mid	High
Channel Bandwidth: 15 MHz					
QPSK	1	0	24.05	24.00	24.02
	1	12	24.25	24.24	24.27
	1	24	24.01	23.99	24.00
	12	0	23.16	23.19	23.24
	12	6	23.22	23.23	23.21
	12	13	23.21	23.19	23.23
16QAM	25	0	23.22	23.24	23.28
	1	0	23.27	23.20	23.26
	1	12	23.51	23.43	23.45
	1	24	23.23	23.25	23.21
	12	0	22.12	22.16	22.23
	12	6	22.18	22.21	22.19
QPSK	12	13	22.20	22.17	22.16
	25	0	22.15	22.18	22.17

Verify power:

LTE Band 26 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	23.74	23.68	23.67	1	0	23.71	23.79	23.66
	1	2	23.88	23.82	23.96	1	7	23.82	23.88	23.89
	1	5	23.67	23.80	23.78	1	14	23.64	23.76	23.80
	3	0	23.86	23.77	24.04	8	0	22.89	22.84	22.91
	3	1	23.85	23.83	24.06	8	3	22.90	22.98	23.07
	3	3	23.84	23.86	23.83	8	7	22.93	22.82	22.76
	6	0	22.90	22.95	23.09	15	0	22.92	22.90	22.95
16QAM	1	0	23.13	22.87	23.00	1	0	23.19	22.89	23.01
	1	2	23.38	22.88	23.12	1	7	23.22	22.93	23.06
	1	5	23.27	22.80	22.86	1	14	23.20	22.78	23.03
	3	0	22.85	22.91	23.00	8	0	21.88	21.80	21.84
	3	1	22.97	23.01	22.88	8	3	22.00	21.95	21.82
	3	3	22.96	22.74	22.86	8	7	21.83	21.78	21.91
	6	0	21.79	21.87	21.95	15	0	21.89	21.79	21.88
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	23.65	23.82	23.58	1	0	23.75	23.75	23.64
	1	12	23.75	23.79	23.96	1	24	23.89	23.80	23.85
	1	24	23.79	23.86	23.89	1	49	23.64	23.84	23.77
	12	0	22.79	22.77	22.91	25	0	22.83	22.84	22.98
	12	6	22.92	22.98	22.90	25	12	22.86	22.80	22.99
	12	13	22.80	22.81	22.92	25	25	22.89	22.91	22.92
	25	0	22.97	22.96	23.15	50	0	22.83	22.90	23.14
16QAM	1	0	23.26	22.77	22.96	1	0	23.08	22.88	22.96
	1	12	23.28	22.85	23.13	1	24	23.22	22.84	22.95
	1	24	23.15	22.78	23.04	1	49	23.21	22.77	22.88
	12	0	21.79	21.83	21.90	25	0	21.88	21.83	21.89
	12	6	21.95	21.86	21.95	25	12	21.99	21.91	21.92
	12	13	21.85	21.76	21.91	25	25	21.88	21.82	21.88
	25	0	21.85	21.82	21.96	50	0	21.74	21.92	22.00

LTE Band 26					
Modulation	RB		Test Channel		
	Size	Offset	Low	Mid	High
Channel Bandwidth: 15 MHz					
QPSK	1	0	23.84	23.84	23.78
	1	12	23.92	23.98	24.05
	1	24	23.81	23.93	23.97
	12	0	22.98	22.93	23.07
	12	6	22.99	22.99	23.08
	12	13	22.96	22.99	22.94
	25	0	22.98	22.98	23.15
16QAM	1	0	23.27	22.89	23.08
	1	12	23.41	22.99	23.15
	1	24	23.29	22.86	23.04
	12	0	21.96	21.99	22.02
	12	6	22.00	22.04	22.02
	12	13	22.00	21.92	21.98
	25	0	21.94	21.95	22.06

4.5.9 LTE Band 26 (Part 90S)

LTE Band 26 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	23.14	23.15	23.02	1	0	22.98	23.07	22.97
	1	2	23.43	23.35	23.36	1	7	23.32	23.46	23.34
	1	5	23.28	22.88	23.07	1	14	23.19	22.93	22.97
	3	0	23.26	23.07	23.11	8	0	22.16	22.19	22.28
	3	1	23.24	23.13	23.24	8	3	22.09	22.31	22.18
	3	3	23.39	23.08	23.01	8	7	22.07	22.29	22.15
16QAM	6	0	22.29	22.31	22.20	15	0	22.38	22.24	22.08
	1	0	22.23	22.17	22.32	1	0	22.17	22.15	22.13
	1	2	22.65	22.54	22.42	1	7	22.53	22.54	22.64
	1	5	22.25	22.38	22.15	1	14	22.12	22.27	22.39
	3	0	22.17	22.15	22.17	8	0	21.15	21.25	21.09
	3	1	22.21	22.08	22.15	8	3	21.13	21.23	21.17
	3	3	22.23	22.14	22.12	8	7	21.19	21.22	21.35
	6	0	21.05	21.30	21.07	15	0	21.14	21.13	21.17

LTE Band 26 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	23.06	23.09	22.93	1	0	/	23.39	/
	1	12	23.34	23.45	23.28	1	24	/	23.04	/
	1	24	23.09	22.95	22.79	1	49	/	23.23	/
	12	0	22.14	22.08	22.25	25	0	/	22.02	/
	12	6	22.24	22.27	22.18	25	12	/	22.26	/
	12	13	22.03	22.26	22.15	25	25	/	22.15	/
	25	0	22.08	22.16	22.24	50	0	/	22.24	/
16QAM	1	0	22.23	22.16	22.17	1	0	/	22.14	/
	1	12	22.62	22.58	22.64	1	24	/	22.46	/
	1	24	22.26	22.30	22.46	1	49	/	22.11	/
	12	0	21.04	21.26	21.16	25	0	/	21.31	/
	12	6	21.15	21.24	21.09	25	12	/	21.34	/
	12	13	21.15	21.28	21.15	25	25	/	21.29	/
	25	0	21.21	21.08	21.17	50	0	/	21.16	/

Verify power:

LTE Band 26 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	23.05	23.06	22.88	1	0	22.89	22.98	22.83
	1	2	23.40	23.17	23.16	1	7	23.29	23.28	23.14
	1	5	23.11	22.79	22.99	1	14	23.02	22.76	22.96
	3	0	23.11	22.98	23.03	8	0	22.01	22.04	22.16
	3	1	23.11	23.00	23.23	8	3	21.96	22.18	22.17
	3	3	23.32	23.01	22.99	8	7	22.00	22.22	22.03
	6	0	22.14	22.16	22.19	15	0	22.23	22.11	22.07
16QAM	1	0	22.04	21.98	22.20	1	0	22.15	22.05	22.01
	1	2	22.46	22.39	22.22	1	7	22.52	22.44	22.44
	1	5	22.17	22.36	21.99	1	14	22.00	22.25	22.23
	3	0	22.09	22.14	22.04	8	0	21.07	21.24	20.96
	3	1	22.20	21.96	22.05	8	3	21.12	21.11	21.07
	3	3	22.11	21.94	22.02	8	7	21.07	21.02	21.25
	6	0	20.85	21.27	21.01	15	0	20.94	21.10	21.11

LTE Band 26 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.97	22.92	22.79	1	0	/	23.30	/
	1	12	23.31	23.30	23.08	1	24	/	23.01	/
	1	24	22.92	22.82	22.78	1	49	/	23.09	/
	12	0	21.99	21.93	22.13	25	0	/	21.82	/
	12	6	22.11	22.15	22.17	25	12	/	22.25	/
	12	13	21.91	22.25	22.03	25	25	/	22.03	/
	25	0	22.07	22.04	22.23	50	0	/	22.23	/
16QAM	1	0	22.11	22.15	22.05	1	0	/	22.02	/
	1	12	22.42	22.48	22.44	1	24	/	22.45	/
	1	24	22.10	22.14	22.30	1	49	/	21.99	/
	12	0	20.91	21.13	21.03	25	0	/	21.30	/
	12	6	21.14	21.14	20.99	25	12	/	21.24	/
	12	13	21.03	21.18	21.05	25	25	/	21.13	/
	25	0	21.01	21.05	21.11	50	0	/	20.96	/

4.5.10 LTE Band 30

LTE Band 30 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	21.16	21.23	21.18	1	0	/	21.38	/
	1	12	21.26	21.32	21.31	1	24	/	21.41	/
	1	24	21.17	21.20	21.11	1	49	/	21.22	/
	12	0	21.23	21.27	21.15	25	0	/	21.31	/
	12	6	21.26	21.27	21.16	25	12	/	21.39	/
	12	13	21.18	21.25	21.09	25	25	/	21.36	/
	25	0	21.22	21.23	21.18	50	0	/	21.37	/
16QAM	1	0	21.11	21.14	21.08	1	0	/	21.29	/
	1	12	21.27	21.32	21.25	1	24	/	21.43	/
	1	24	21.16	21.18	21.07	1	49	/	21.27	/
	12	0	21.21	21.24	21.15	25	0	/	21.33	/
	12	6	21.09	21.29	21.14	25	12	/	21.35	/
	12	13	21.10	21.11	21.06	25	25	/	21.3	/
	25	0	21.22	21.30	21.21	50	0	/	21.31	/

Verify power:

LTE Band 30 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	21.00	21.02	21.11	1	0	/	21.17	/
	1	12	21.23	21.12	21.25	1	24	/	21.21	/
	1	24	21.11	21.31	20.95	1	49	/	21.34	/
	12	0	21.07	19.85	21.04	25	0	/	20.04	/
	12	6	21.15	20.09	21.08	25	12	/	20.16	/
	12	13	21.17	20.01	21.03	25	25	/	20.12	/
	25	0	21.15	19.96	21.14	50	0	/	20.10	/
16QAM	1	0	20.98	20.28	20.97	1	0	/	20.43	/
	1	12	21.07	20.58	21.11	1	24	/	20.66	/
	1	24	21.02	20.41	20.93	1	49	/	20.47	/
	12	0	21.07	19.05	21.02	25	0	/	19.09	/
	12	6	20.96	19.17	20.95	25	12	/	19.23	/
	12	13	21.06	18.98	20.99	25	25	/	19.17	/
	25	0	21.08	19.13	21.14	50	0	/	19.14	/

4.5.11 LTE Band 41

LTE Band 41 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	25.48	24.91	24.25	1	0	25.50	25.06	24.34
	1	12	25.69	25.30	24.44	1	24	25.79	25.41	24.60
	1	24	25.29	24.91	24.40	1	49	25.35	25.10	24.47
	12	0	24.56	24.40	24.10	25	0	24.53	24.38	24.18
	12	6	24.78	24.40	24.35	25	12	24.76	24.33	24.28
	12	13	24.62	24.32	24.30	25	25	24.58	24.19	24.15
	25	0	24.73	24.33	24.24	50	0	24.57	24.26	24.21
16QAM	1	0	24.41	24.15	23.59	1	0	24.46	24.10	23.57
	1	12	24.79	24.44	23.56	1	24	24.63	24.30	23.50
	1	24	24.48	23.95	23.88	1	49	24.45	23.99	23.70
	12	0	23.49	23.25	23.05	25	0	23.56	23.22	23.13
	12	6	23.73	23.22	23.06	25	12	23.73	23.18	23.21
	12	13	23.71	23.05	23.19	25	25	23.62	23.08	23.24
	25	0	23.68	23.13	23.15	50	0	23.63	23.11	23.14
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	25.40	25.06	24.35	1	0	25.56	25.11	24.43
	1	37	25.76	25.26	24.53	1	50	25.87	25.44	24.63
	1	74	25.30	24.94	24.51	1	99	25.43	25.10	24.57
	37	0	24.54	24.28	24.20	50	0	24.65	24.44	24.29
	37	19	24.70	24.38	24.27	50	25	24.83	24.42	24.36
	37	39	24.67	24.26	24.29	50	50	24.76	24.35	24.33
	75	0	24.67	24.34	24.18	100	0	24.77	24.40	24.32
16QAM	1	0	24.52	24.11	23.61	1	0	24.61	24.15	23.64
	1	37	24.68	24.30	23.54	1	50	24.82	24.47	23.63
	1	74	24.48	24.02	23.86	1	99	24.55	24.11	23.88
	37	0	23.56	23.17	23.13	50	0	23.65	23.29	23.22
	37	19	23.78	23.22	23.26	50	25	23.81	23.30	23.26
	37	39	23.53	23.20	23.22	50	50	23.72	23.23	23.24
	75	0	23.59	23.19	23.06	100	0	23.68	23.29	23.25

Verify power:

LTE Band 41 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	25.10	24.71	24.78	1	0	25.12	24.86	24.87
	1	12	25.43	25.28	25.36	1	24	25.53	25.39	25.40
	1	24	24.98	24.73	24.83	1	49	24.95	24.92	24.73
	12	0	24.04	24.00	23.82	25	0	23.93	23.92	23.88
	12	6	23.99	23.98	23.78	25	12	24.08	23.89	23.90
	12	13	24.06	23.93	23.90	25	25	24.08	23.86	23.75
	25	0	24.05	23.88	23.88	50	0	23.95	23.87	23.85
16QAM	1	0	23.79	23.75	23.84	1	0	23.75	23.65	23.82
	1	12	24.30	24.22	24.39	1	24	24.19	24.08	24.36
	1	24	23.74	23.56	24.08	1	49	23.82	23.65	23.97
	12	0	22.86	23.13	22.81	25	0	22.93	23.03	22.90
	12	6	23.08	23.14	22.83	25	12	23.08	23.09	22.85
	12	13	23.24	22.95	22.87	25	25	23.15	22.95	22.92
	25	0	23.13	22.96	22.85	50	0	23.08	22.94	22.84
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	25.02	24.86	24.88	1	0	25.18	24.91	24.96
	1	37	25.50	25.24	25.33	1	50	25.61	25.42	25.43
	1	74	24.92	24.79	24.77	1	99	25.05	24.92	24.83
	37	0	23.93	24.01	23.91	50	0	24.04	24.10	23.99
	37	19	24.03	23.99	23.95	50	25	24.16	24.09	23.98
	37	39	24.17	23.92	23.89	50	50	24.26	24.01	23.93
	75	0	24.05	23.92	23.82	100	0	24.15	24.06	23.96
16QAM	1	0	23.81	23.71	23.86	1	0	23.90	23.75	23.89
	1	37	24.24	24.08	24.37	1	50	24.38	24.25	24.46
	1	74	23.78	23.66	24.06	1	99	23.92	23.75	24.08
	37	0	22.98	23.02	22.94	50	0	23.02	23.14	22.98
	37	19	22.99	23.09	22.89	50	25	23.16	23.17	23.03
	37	39	23.16	23.10	22.89	50	50	23.25	23.13	22.92
	75	0	23.04	23.02	22.76	100	0	23.13	23.12	22.95

4.5.12 LTE Band 66

LTE Band 66 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.23	22.36	22.33	1	0	22.09	22.26	22.25
	1	2	22.61	22.83	22.85	1	7	22.55	22.76	22.80
	1	5	22.38	22.24	22.30	1	14	22.22	22.25	22.17
	3	0	22.59	22.66	22.64	8	0	21.49	21.65	21.74
	3	1	22.60	22.63	22.76	8	3	21.56	21.78	21.70
	3	3	22.60	22.63	22.57	8	7	21.48	21.73	21.71
	6	0	21.46	21.78	21.81	15	0	21.45	21.64	21.76
16QAM	1	0	21.78	21.73	21.94	1	0	21.79	21.73	21.78
	1	2	22.27	22.16	22.20	1	7	22.19	22.22	22.18
	1	5	21.83	21.89	21.76	1	14	21.74	21.91	21.87
	3	0	21.50	21.52	21.65	8	0	20.39	20.63	20.64
	3	1	21.59	21.67	21.73	8	3	20.55	20.74	20.70
	3	3	21.60	21.63	21.69	8	7	20.66	20.65	20.69
	6	0	20.53	20.69	20.60	15	0	20.66	20.52	20.70
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.24	22.28	22.32	1	0	22.18	22.30	22.37
	1	12	22.66	22.66	22.85	1	24	22.71	22.69	22.81
	1	24	22.33	22.24	22.26	1	49	22.29	22.40	22.24
	12	0	21.42	21.61	21.75	25	0	21.57	21.58	21.67
	12	6	21.63	21.71	21.66	25	12	21.57	21.71	21.69
	12	13	21.65	21.67	21.60	25	25	21.54	21.64	21.65
	25	0	21.55	21.68	21.75	50	0	21.50	21.77	21.81
16QAM	1	0	21.72	21.66	21.79	1	0	21.67	21.75	21.96
	1	12	22.09	22.26	22.26	1	24	22.10	22.11	22.29
	1	24	21.76	21.75	21.90	1	49	21.74	21.74	21.87
	12	0	20.49	20.67	20.55	25	0	20.37	20.68	20.71
	12	6	20.47	20.72	20.82	25	12	20.56	20.76	20.66
	12	13	20.69	20.54	20.69	25	25	20.62	20.67	20.58
	25	0	20.63	20.57	20.72	50	0	20.49	20.59	20.72

LTE Band 66 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	22.17	22.35	22.32	1	0	22.25	22.41	22.44
	1	37	22.53	22.80	22.80	1	50	22.73	22.84	22.91
	1	74	22.40	22.40	22.23	1	99	22.41	22.42	22.36
	37	0	21.54	21.73	21.64	50	0	21.62	21.77	21.80
	37	19	21.55	21.73	21.76	50	25	21.66	21.80	21.81
	37	39	21.53	21.72	21.62	50	50	21.68	21.79	21.74
	75	0	21.42	21.76	21.70	100	0	21.61	21.80	21.82
16QAM	1	0	21.65	21.74	21.91	1	0	21.80	21.85	21.96
	1	37	22.26	22.18	22.29	1	50	22.28	22.29	22.33
	1	74	21.88	21.79	21.82	1	99	21.93	21.92	21.94
	37	0	20.45	20.65	20.69	50	0	20.55	20.72	20.75
	37	19	20.43	20.74	20.70	50	25	20.62	20.80	20.83
	37	39	20.68	20.71	20.67	50	50	20.71	20.74	20.73
	75	0	20.48	20.51	20.70	100	0	20.68	20.70	20.77

Verify power:

LTE Band 66 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 1.4 MHz						Channel Bandwidth: 3 MHz				
QPSK	1	0	22.02	22.21	22.07	1	0	21.88	22.11	21.99
	1	2	22.40	22.72	22.67	1	7	22.34	22.65	22.62
	1	5	22.02	22.23	22.23	1	14	22.11	22.40	22.14
	3	0	22.16	22.44	22.62	8	0	21.16	21.46	21.60
	3	1	22.29	22.43	22.58	8	3	21.36	21.41	21.64
	3	3	22.24	22.44	22.58	8	7	21.28	21.54	21.72
	6	0	21.23	21.52	21.69	15	0	21.20	21.43	21.61
16QAM	1	0	21.19	21.33	21.80	1	0	21.29	21.35	21.80
	1	2	21.82	21.82	22.21	1	7	21.74	21.79	22.28
	1	5	21.30	21.44	21.91	1	14	21.21	21.54	21.89
	3	0	21.24	21.32	21.53	8	0	20.13	20.43	20.52
	3	1	21.37	21.48	21.57	8	3	20.33	20.55	20.54
	3	3	21.31	21.42	21.68	8	7	20.37	20.44	20.68
	6	0	20.23	20.57	20.51	15	0	20.36	20.40	20.61
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	22.03	22.13	22.06	1	0	21.97	22.15	22.11
	1	12	22.45	22.55	22.67	1	24	22.50	22.71	22.69
	1	24	22.18	22.23	22.23	1	49	22.10	22.29	22.29
	12	0	21.09	21.51	21.61	25	0	21.24	21.50	21.59
	12	6	21.39	21.40	21.60	25	12	21.32	21.52	21.63
	12	13	21.41	21.59	21.56	25	25	21.24	21.45	21.66
	25	0	21.30	21.42	21.67	50	0	21.35	21.51	21.67
16QAM	1	0	21.22	21.19	21.69	1	0	21.17	21.28	21.76
	1	12	21.64	21.82	22.31	1	24	21.65	21.67	22.19
	1	24	21.23	21.38	21.86	1	49	21.21	21.37	21.89
	12	0	20.25	20.47	20.58	25	0	20.21	20.48	20.59
	12	6	20.36	20.53	20.66	25	12	20.20	20.57	20.63
	12	13	20.35	20.33	20.68	25	25	20.41	20.46	20.65
	25	0	20.33	20.45	20.63	50	0	20.19	20.47	20.63

LTE Band 66 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	21.96	22.20	22.06	1	0	22.04	22.26	22.18
	1	37	22.32	22.69	22.62	1	50	22.52	22.73	22.73
	1	74	22.21	22.39	22.20	1	99	22.22	22.41	22.33
	37	0	21.24	21.51	21.50	50	0	21.29	21.55	21.66
	37	19	21.30	21.52	21.70	50	25	21.40	21.60	21.75
	37	39	21.25	21.40	21.72	50	50	21.44	21.60	21.75
	75	0	21.33	21.53	21.64	100	0	21.36	21.54	21.70
16QAM	1	0	21.15	21.33	21.83	1	0	21.30	21.38	21.86
	1	37	21.81	21.75	22.21	1	50	21.83	21.85	22.37
	1	74	21.35	21.36	21.91	1	99	21.40	21.55	21.96
	37	0	20.19	20.49	20.51	50	0	20.29	20.52	20.63
	37	19	20.21	20.55	20.59	50	25	20.40	20.61	20.67
	37	39	20.39	20.50	20.52	50	50	20.42	20.53	20.72
	75	0	20.18	20.39	20.67	100	0	20.38	20.58	20.68

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4.5.13 LTE Band 71

LTE Band 71 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	24.40	24.29	24.24	1	0	24.34	24.31	24.29
	1	12	24.81	24.65	24.66	1	24	24.86	24.68	24.62
	1	24	24.38	24.12	24.26	1	49	24.34	24.28	24.24
	12	0	23.35	23.56	23.58	25	0	23.50	23.53	23.50
	12	6	23.65	23.62	23.47	25	12	23.59	23.62	23.50
	12	13	23.63	23.51	23.45	25	25	23.52	23.48	23.50
16QAM	25	0	23.54	23.53	23.50	50	0	23.49	23.62	23.56
	1	0	23.63	23.74	23.60	1	0	23.58	23.83	23.77
	1	12	24.09	24.33	24.00	1	24	24.10	24.18	24.03
	1	24	23.69	23.68	23.84	1	49	23.67	23.67	23.81
	12	0	22.60	22.77	22.47	25	0	22.48	22.78	22.63
	12	6	22.56	22.76	22.69	25	12	22.65	22.80	22.53
QPSK	12	13	22.64	22.53	22.61	25	25	22.57	22.66	22.50
	25	0	22.66	22.63	22.59	50	0	22.52	22.65	22.59
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	24.33	24.36	24.24	1	0	24.41	24.42	24.36
	1	37	24.68	24.79	24.61	1	50	24.88	24.83	24.72
	1	74	24.45	24.28	24.23	1	99	24.46	24.30	24.36
	37	0	23.47	23.68	23.47	50	0	23.55	23.72	23.63
	37	19	23.57	23.64	23.57	50	25	23.68	23.71	23.62
	37	39	23.51	23.56	23.47	50	50	23.66	23.63	23.59
16QAM	75	0	23.41	23.61	23.45	100	0	23.60	23.65	23.57
	1	0	23.56	23.82	23.72	1	0	23.71	23.93	23.77
	1	37	24.26	24.25	24.03	1	50	24.28	24.36	24.07
	1	74	23.81	23.72	23.76	1	99	23.86	23.85	23.88
	37	0	22.56	22.75	22.61	50	0	22.66	22.82	22.67
	37	19	22.52	22.78	22.57	50	25	22.71	22.84	22.70
QPSK	37	39	22.63	22.70	22.59	50	50	22.66	22.73	22.65
	75	0	22.51	22.57	22.57	100	0	22.71	22.76	22.64

Verify power:

LTE Band 71 Maximum Average Power (dBm)										
Modulation	RB		Test Channel			RB		Test Channel		
	Size	Offset	Low	Mid	High	Size	Offset	Low	Mid	High
Channel Bandwidth: 5 MHz						Channel Bandwidth: 10 MHz				
QPSK	1	0	24.29	23.98	24.06	1	0	24.23	24.00	24.11
	1	12	24.56	24.42	24.45	1	24	24.54	24.45	24.41
	1	24	24.13	23.99	24.08	1	49	24.07	24.00	24.13
	12	0	23.19	23.32	23.43	25	0	23.28	23.32	23.42
	12	6	23.39	23.34	23.44	25	12	23.32	23.43	23.29
	12	13	23.29	23.37	23.24	25	25	23.30	23.29	23.29
	25	0	23.42	23.32	23.40	50	0	23.33	23.44	23.46
16QAM	1	0	23.37	23.51	23.33	1	0	23.29	23.65	23.50
	1	12	23.71	23.97	23.78	1	24	23.72	24.06	23.81
	1	24	23.32	23.70	23.57	1	49	23.30	23.61	23.54
	12	0	22.38	22.35	22.21	25	0	22.39	22.43	22.37
	12	6	22.34	22.38	22.48	25	12	22.37	22.41	22.32
	12	13	22.40	22.47	22.38	25	25	22.33	22.44	22.27
	25	0	22.28	22.27	22.33	50	0	22.14	22.36	22.33
Channel Bandwidth: 15 MHz						Channel Bandwidth: 20 MHz				
QPSK	1	0	24.22	24.05	24.06	1	0	24.30	24.11	24.18
	1	37	24.43	24.56	24.40	1	50	24.63	24.60	24.51
	1	74	24.20	24.09	24.15	1	99	24.21	24.17	24.28
	37	0	23.31	23.36	23.28	50	0	23.39	23.47	23.44
	37	19	23.34	23.33	23.43	50	25	23.45	23.48	23.48
	37	39	23.29	23.25	23.26	50	50	23.44	23.44	23.38
	75	0	23.25	23.40	23.35	100	0	23.44	23.44	23.47
16QAM	1	0	23.27	23.64	23.45	1	0	23.42	23.69	23.50
	1	37	23.88	24.02	23.73	1	50	23.90	24.13	23.85
	1	74	23.44	23.66	23.56	1	99	23.49	23.79	23.61
	37	0	22.34	22.31	22.29	50	0	22.44	22.47	22.41
	37	19	22.30	22.39	22.36	50	25	22.49	22.45	22.49
	37	39	22.39	22.48	22.36	50	50	22.42	22.51	22.42
	75	0	22.13	22.28	22.31	100	0	22.33	22.47	22.38

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
ERP/EIRP	2	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☐	☒	☐	☐	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☐	☒	☐	☐	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☐	☒	☒	☒
	25	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	26	☒	☒	☒	☒	☒	--	☒	☒	☐	☒	☐	☐	☒	☒	☒
	30	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☐	☒	☒	☒
	41	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	66	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
Conducted output power	2	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☒	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☒	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☐	☒	☒	☒	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☒	☒	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☐	☒	☒	☒	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☐	☒	☒	☒	☒	☒	☒
	25	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☒	☒	☒	☒	☒
	26	☒	☒	☒	☒	☒	--	☒	☒	☐	☒	☒	☒	☒	☒	☒
	30	-	-	☒	☒	-	-	☒	☒	☐	☒	☒	☒	☒	☒	☒
	41	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☒	☒	☒	☒	☒
	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
99%&26dB Bandwidth	2	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☐	☐	☐	☒	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☐	☐	☐	☒	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☐	☐	☐	☒	☒	☒	☒
	25	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
	26	☒	☒	☒	☒	☒	--	☒	☒	☐	☐	☐	☒	☒	☒	☒
	30	-	-	☒	☒	-	-	☒	☒	☐	☐	☐	☒	☒	☒	☒
	41	-	-	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
	66	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
peak-to-av erage ratio	2	☐	☐	☐	☐	☐	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	4	☐	☐	☐	☐	☐	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	5	☐	☐	☐	☒	--	--	☒	☒	☐	☒	☐	☒	☒	☐	☒
	7	-	-	☐	☐	☐	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	12	☐	☐	☐	☒	-	-	☒	☒	☐	☒	☐	☒	☒	☐	☒
	17	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☒	☒	☒	☒
	25	☐	☐	☐	☐	☐	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	26	☐	☐	☐	☐	☒	--	☒	☒	☐	☒	☐	☒	☒	☐	☒
	30	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☒	☒	☐	☒
	41	-	-	☐	☐	☐	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	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
Band Edge at antenna terminals	2	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☐	☒	☐	☒	☒	☐	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☐	☒	☐	☒	☒	☐	☒
	17	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☒	☒	☐	☒
	25	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	26	☒	☒	☒	☒	☒	--	☒	☒	☐	☒	☐	☒	☒	☐	☒
	30	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☒	☒	☐	☒
	41	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	66	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
	71	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☒	☒	☐	☒
Spurious emissions at antenna terminals	2	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	4	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	5	☒	☒	☒	☒	--	--	☒	☒	☐	☒	☐	☐	☒	☒	☒
	7	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	12	☒	☒	☒	☒	-	-	☒	☒	☐	☒	☐	☐	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☐	☒	☒	☒
	25	☒	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	26	☒	☒	☒	☒	☒	--	☒	☒	☐	☒	☐	☐	☒	☒	☒
	30	-	-	☒	☒	-	-	☒	☒	☐	☒	☐	☐	☒	☒	☒
	41	-	-	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☒	☒	☒
	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
Field strength of spurious radiation	2	☐	☐	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
	4	☐	☐	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
	5	☐	☐	☐	☒	--	--	☒	☐	☐	☒	☐	☐	☒	☒	☒
	7	-	-	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
	12	☐	☐	☐	☒	-	-	☒	☐	☐	☒	☐	☐	☒	☒	☒
	17	-	-	☒	☒	-	-	☒	☐	☐	☒	☐	☐	☐	☒	☐
	25	☐	☐	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
	26	☐	☐	☐	☐	☒	--	☒	☐	☐	☒	☐	☐	☒	☒	☒
	30	-	-	☒	☒	-	-	☒	☐	☐	☒	☐	☐	☐	☒	☐
	41	-	-	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
	66	☐	☐	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
	71	-	-	☐	☐	☐	☒	☒	☐	☐	☒	☐	☐	☒	☒	☒
Frequency stability	2	☐	☐	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
	4	☐	☐	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
	5	☐	☐	☐	☒	--	--	☒	☐	☐	☐	☐	☒	☐	☒	☐
	7	-	-	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
	12	☐	☐	☐	☒	-	-	☒	☐	☐	☐	☐	☒	☐	☒	☐
	17	-	-	☒	☒	-	-	☒	☐	☐	☐	☐	☒	☐	☒	☐
	25	☐	☐	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
	26	☐	☐	☐	☐	☒	--	☒	☐	☐	☐	☐	☒	☐	☒	☐
	30	-	-	☒	☒	-	-	☒	☐	☐	☐	☐	☒	☐	☒	☐
	41	-	-	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
	66	☐	☐	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
	71	-	-	☐	☐	☐	☒	☒	☐	☐	☐	☐	☒	☐	☒	☐
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	FCC 47 CFR Part 90	Private Land Mobile Radio Services
6	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
7	KDB 971168 D01	KDB 971168 D01 Power Meas License Digital Systems v03r01

5.2 ERP OR EIRP

Test Requirement: FCC 47 CFR Part 2.1046(a)
LTE Band 2 & LTE Band 25: FCC 47 CFR Part 24.232(c)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.50(d)(4)
LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.913(a)
LTE Band 7 & Band 41: 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 30: FCC 47 CFR Part 27.50(a)(3)
LTE Band 26: FCC 47 CFR Part 90.635

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(a)(3): For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

FCC 47 CFR Part 90.635:

(a) The effective radiated power and antenna height for base stations may not exceed 1 kilowatt (30 dBw) and 304 m. (1,000 ft.) above average terrain (AAT), respectively, or the equivalent thereof as determined from the Table. These are maximum values, and applicants will be required to justify power levels and antenna heights requested.

(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

Table—Equivalent Power and Antenna Heights for Base Stations in the 851–869 MHz and 935–940 MHz Bands Which Have a Requirement for a 32 km (20 mi) Service Area Radius

Antenna height (ATT) meters (feet)	Effective radiated power (watts) ^{1 2 4}
Above 1,372 (4,500)	65
Above 1,220 (4,000) to 1,372 (4,500)	70
Above 1,067 (3,500) to 1,220 (4,000)	75
Above 915 (3,000) to 1,067 (3,500)	100
Above 763 (2,500) to 915 (3,000)	140
Above 610 (2,000) to 763 (2,500)	200
Above 458 (1,500) to 610 (2,000)	350
Above 305 (1,000) to 458 (1,500)	600
Up to 305 (1,000)	31,000

- Power is given in terms of effective radiated power (ERP).
- Applicants in the Los Angeles, CA, area who demonstrate a need to serve both the downtown and fringe areas will be permitted to utilize an ERP of 1 kw at the following mountaintop sites: Santiago Park, Sierra Peak, Mount Lukens, and Mount Wilson.
- Stations with antennas below 305 m (1,000 ft) (AAT) will be restricted to a maximum power of 1 kw (ERP).
- Licensees in San Diego, CA, will be permitted to utilize an ERP of 500 watts at the following mountaintop sites: Palomar, Otay, Woodson and Miguel.

Test Procedure:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_C$$

where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

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

5.2.1 LTE Band 2

LTE Band 2 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	25.28	24.47	/	33.01	Pass
Middle	25.11	24.36	/	33.01	Pass
Highest	24.93	24.20	/	33.01	Pass
Channel Bandwidth: 3MHz					
Lowest	25.15	24.36	/	33.01	Pass
Middle	24.85	24.26	/	33.01	Pass
Highest	24.80	24.11	/	33.01	Pass
Channel Bandwidth: 5MHz					
Lowest	25.00	24.52	/	33.01	Pass
Middle	24.91	24.43	/	33.01	Pass
Highest	24.81	24.13	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	25.11	24.43	/	33.01	Pass
Middle	25.02	24.24	/	33.01	Pass
Highest	24.89	24.08	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	24.97	24.51	/	33.01	Pass
Middle	24.98	24.43	/	33.01	Pass
Highest	24.72	24.14	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	25.17	24.52	/	33.01	Pass
Middle	25.03	24.44	/	33.01	Pass
Highest	24.91	24.26	/	33.01	Pass

Verify power:

LTE Band 2 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	24.24	23.85	/	33.01	Pass
Middle	24.73	23.90	/	33.01	Pass
Highest	24.43	23.86	/	33.01	Pass
Channel Bandwidth: 3MHz					
Lowest	24.32	23.74	/	33.01	Pass
Middle	24.57	23.82	/	33.01	Pass
Highest	24.35	24.04	/	33.01	Pass
Channel Bandwidth: 5MHz					
Lowest	24.17	23.90	/	33.01	Pass
Middle	24.63	23.89	/	33.01	Pass
Highest	24.36	23.87	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	24.28	23.81	/	33.01	Pass
Middle	24.73	23.78	/	33.01	Pass
Highest	24.44	24.04	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	24.14	23.74	/	33.01	Pass
Middle	24.70	23.97	/	33.01	Pass
Highest	24.38	23.96	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	24.34	23.90	/	33.01	Pass
Middle	24.75	23.98	/	33.01	Pass
Highest	24.46	24.06	/	33.01	Pass

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5.2.2 LTE Band 4

LTE Band 4 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	24.84	24.21	/	30.00	Pass
Middle	24.98	24.62	/	30.00	Pass
Highest	25.05	24.25	/	30.00	Pass
Channel Bandwidth: 3MHz					
Lowest	24.96	24.33	/	30.00	Pass
Middle	24.92	24.49	/	30.00	Pass
Highest	25.06	24.32	/	30.00	Pass
Channel Bandwidth: 5MHz					
Lowest	24.94	24.17	/	30.00	Pass
Middle	24.92	24.67	/	30.00	Pass
Highest	25.03	24.26	/	30.00	Pass
Channel Bandwidth: 10MHz					
Lowest	24.85	24.20	/	30.00	Pass
Middle	24.96	24.52	/	30.00	Pass
Highest	25.05	24.38	/	30.00	Pass
Channel Bandwidth: 15MHz					
Lowest	24.79	24.35	/	30.00	Pass
Middle	25.03	24.52	/	30.00	Pass
Highest	25.12	24.31	/	30.00	Pass
Channel Bandwidth: 20MHz					
Lowest	24.96	24.35	/	30.00	Pass
Middle	25.08	24.67	/	30.00	Pass
Highest	25.16	24.43	/	30.00	Pass

Verify power:

LTE Band 4 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	24.65	24.03	/	30.00	Pass
Middle	24.62	23.80	/	30.00	Pass
Highest	24.48	23.97	/	30.00	Pass
Channel Bandwidth: 3MHz					
Lowest	24.66	24.15	/	30.00	Pass
Middle	24.56	23.76	/	30.00	Pass
Highest	24.49	24.04	/	30.00	Pass
Channel Bandwidth: 5MHz					
Lowest	24.53	23.99	/	30.00	Pass
Middle	24.56	23.83	/	30.00	Pass
Highest	24.46	24.09	/	30.00	Pass
Channel Bandwidth: 10MHz					
Lowest	24.55	24.04	/	30.00	Pass
Middle	24.60	23.72	/	30.00	Pass
Highest	24.48	24.10	/	30.00	Pass
Channel Bandwidth: 15MHz					
Lowest	24.49	24.02	/	30.00	Pass
Middle	24.54	23.72	/	30.00	Pass
Highest	24.55	24.01	/	30.00	Pass
Channel Bandwidth: 20MHz					
Lowest	24.66	24.17	/	30.00	Pass
Middle	24.72	23.87	/	30.00	Pass
Highest	24.59	24.15	/	30.00	Pass

5.2.3 LTE Band 5

LTE Band 5 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	22.74	21.66	/	38.45	Pass
Middle	22.50	21.78	/	38.45	Pass
Highest	22.60	21.59	/	38.45	Pass
Channel Bandwidth: 3MHz					
Lowest	22.47	21.77	/	38.45	Pass
Middle	22.62	21.70	/	38.45	Pass
Highest	22.53	21.51	/	38.45	Pass
Channel Bandwidth: 5MHz					
Lowest	22.46	21.59	/	38.45	Pass
Middle	22.66	21.64	/	38.45	Pass
Highest	22.61	21.58	/	38.45	Pass
Channel Bandwidth: 10MHz					
Lowest	22.65	21.77	/	38.45	Pass
Middle	22.67	21.79	/	38.45	Pass
Highest	22.64	21.63	/	38.45	Pass

Verify power:

LTE Band 5 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	22.37	21.72	/	38.45	Pass
Middle	22.23	21.41	/	38.45	Pass
Highest	22.34	21.41	/	38.45	Pass
Channel Bandwidth: 3MHz					
Lowest	22.36	21.83	/	38.45	Pass
Middle	22.37	21.37	/	38.45	Pass
Highest	22.36	21.45	/	38.45	Pass
Channel Bandwidth: 5MHz					
Lowest	22.35	21.65	/	38.45	Pass
Middle	22.28	21.30	/	38.45	Pass
Highest	22.38	21.38	/	38.45	Pass
Channel Bandwidth: 10MHz					
Lowest	22.54	21.83	/	38.45	Pass
Middle	22.42	21.45	/	38.45	Pass
Highest	22.41	21.45	/	38.45	Pass

5.2.4 LTE Band 7

LTE Band 7 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	23.28	22.82	/	33.01	Pass
Middle	23.09	22.69	/	33.01	Pass
Highest	22.82	22.35	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	23.27	22.79	/	33.01	Pass
Middle	22.97	22.66	/	33.01	Pass
Highest	22.89	22.31	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	23.14	22.81	/	33.01	Pass
Middle	23.14	22.55	/	33.01	Pass
Highest	22.87	22.45	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	23.32	22.92	/	33.01	Pass
Middle	23.15	22.73	/	33.01	Pass
Highest	22.98	22.48	/	33.01	Pass

Verify power:

LTE Band 7 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	23.14	22.67	/	33.01	Pass
Middle	22.86	22.41	/	33.01	Pass
Highest	22.69	22.35	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	23.22	22.64	/	33.01	Pass
Middle	22.74	22.50	/	33.01	Pass
Highest	22.67	22.31	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	23.26	22.66	/	33.01	Pass
Middle	22.91	22.43	/	33.01	Pass
Highest	22.74	22.45	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	23.27	22.77	/	33.01	Pass
Middle	22.92	22.57	/	33.01	Pass
Highest	22.85	22.48	/	33.01	Pass

5.2.5 LTE Band 12

LTE Band 12 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	25.13	24.35	/	34.77	Pass
Middle	25.15	24.37	/	34.77	Pass
Highest	25.23	24.31	/	34.77	Pass
Channel Bandwidth: 3MHz					
Lowest	25.09	24.38	/	34.77	Pass
Middle	25.14	24.46	/	34.77	Pass
Highest	25.00	24.33	/	34.77	Pass
Channel Bandwidth: 5MHz					
Lowest	25.12	24.38	/	34.77	Pass
Middle	25.15	24.38	/	34.77	Pass
Highest	25.09	24.33	/	34.77	Pass
Channel Bandwidth: 10MHz					
Lowest	25.24	24.44	/	34.77	Pass
Middle	25.20	24.48	/	34.77	Pass
Highest	25.17	24.37	/	34.77	Pass

Verify power:

LTE Band 12 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	21.95	21.03	/	34.77	Pass
Middle	21.90	20.91	/	34.77	Pass
Highest	21.96	21.48	/	34.77	Pass
Channel Bandwidth: 3MHz					
Lowest	21.86	21.11	/	34.77	Pass
Middle	21.99	20.98	/	34.77	Pass
Highest	21.85	21.50	/	34.77	Pass
Channel Bandwidth: 5MHz					
Lowest	21.85	21.06	/	34.77	Pass
Middle	21.95	20.90	/	34.77	Pass
Highest	21.86	21.40	/	34.77	Pass
Channel Bandwidth: 10MHz					
Lowest	22.01	21.12	/	34.77	Pass
Middle	22.00	21.00	/	34.77	Pass
Highest	22.02	21.54	/	34.77	Pass

5.2.6 LTE Band 17

Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	26.27	25.65	/	34.77	Pass
Middle	26.45	25.51	/	34.77	Pass
Highest	26.48	25.59	/	34.77	Pass
Channel Bandwidth: 10MHz					
Lowest	26.56	25.70	/	34.77	Pass
Middle	26.55	25.67	/	34.77	Pass
Highest	26.46	25.64	/	34.77	Pass

Verify power:

Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	26.25	25.35	/	34.77	Pass
Middle	26.33	25.77	/	34.77	Pass
Highest	26.39	25.58	/	34.77	Pass
Channel Bandwidth: 10MHz					
Lowest	26.39	25.40	/	34.77	Pass
Middle	26.44	25.93	/	34.77	Pass
Highest	26.45	25.59	/	34.77	Pass

5.2.7 LTE Band 25

LTE Band 25 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	25.25	24.66	/	33.01	Pass
Middle	25.06	24.77	/	33.01	Pass
Highest	24.95	24.45	/	33.01	Pass
Channel Bandwidth: 3MHz					
Lowest	25.40	24.70	/	33.01	Pass
Middle	25.14	24.75	/	33.01	Pass
Highest	25.06	24.57	/	33.01	Pass
Channel Bandwidth: 5MHz					
Lowest	25.41	24.70	/	33.01	Pass
Middle	25.07	24.84	/	33.01	Pass
Highest	24.98	24.59	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	25.26	24.61	/	33.01	Pass
Middle	25.17	24.69	/	33.01	Pass
Highest	25.03	24.47	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	25.30	24.68	/	33.01	Pass
Middle	25.23	24.79	/	33.01	Pass
Highest	25.07	24.46	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	25.41	24.78	/	33.01	Pass
Middle	25.26	24.84	/	33.01	Pass
Highest	25.12	24.61	/	33.01	Pass

Verify power:

LTE Band 25 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	25.19	24.69	/	33.01	Pass
Middle	25.26	24.45	/	33.01	Pass
Highest	25.52	24.98	/	33.01	Pass
Channel Bandwidth: 3MHz					
Lowest	25.34	24.68	/	33.01	Pass
Middle	25.45	24.54	/	33.01	Pass
Highest	25.49	25.02	/	33.01	Pass
Channel Bandwidth: 5MHz					
Lowest	25.35	24.77	/	33.01	Pass
Middle	25.27	24.57	/	33.01	Pass
Highest	25.53	25.04	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	25.20	24.64	/	33.01	Pass
Middle	25.37	24.48	/	33.01	Pass
Highest	25.46	25.01	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	25.20	24.71	/	33.01	Pass
Middle	25.43	24.47	/	33.01	Pass
Highest	25.50	24.91	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	25.35	24.81	/	33.01	Pass
Middle	25.46	24.57	/	33.01	Pass
Highest	25.55	25.06	/	33.01	Pass

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5.2.8 LTE Band 26

LTE Band 26 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	22.36	21.63	/	38.45	Pass
Middle	22.25	21.42	/	38.45	Pass
Highest	22.33	21.57	/	38.45	Pass
Channel Bandwidth: 3MHz					
Lowest	22.30	21.65	/	38.45	Pass
Middle	22.38	21.52	/	38.45	Pass
Highest	22.26	21.51	/	38.45	Pass
Channel Bandwidth: 5MHz					
Lowest	22.23	21.53	/	38.45	Pass
Middle	22.23	21.48	/	38.45	Pass
Highest	22.33	21.58	/	38.45	Pass
Channel Bandwidth: 10MHz					
Lowest	22.37	21.47	/	38.45	Pass
Middle	22.21	21.43	/	38.45	Pass
Highest	22.22	21.52	/	38.45	Pass
Channel Bandwidth: 15MHz					
Lowest	22.40	21.66	/	38.45	Pass
Middle	22.39	21.58	/	38.45	Pass
Highest	22.42	21.60	/	38.45	Pass

Verify power:

LTE Band 26 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	22.03	21.53	/	38.45	Pass
Middle	21.97	21.03	/	38.45	Pass
Highest	22.11	21.27	/	38.45	Pass
Channel Bandwidth: 3MHz					
Lowest	21.97	21.37	/	38.45	Pass
Middle	22.03	21.08	/	38.45	Pass
Highest	22.04	21.21	/	38.45	Pass
Channel Bandwidth: 5MHz					
Lowest	21.94	21.43	/	38.45	Pass
Middle	22.01	21.00	/	38.45	Pass
Highest	22.11	21.28	/	38.45	Pass
Channel Bandwidth: 10MHz					
Lowest	22.04	21.37	/	38.45	Pass
Middle	21.95	21.03	/	38.45	Pass
Highest	22.00	21.11	/	38.45	Pass
Channel Bandwidth: 15MHz					
Lowest	22.07	21.56	/	38.45	Pass
Middle	22.13	21.14	/	38.45	Pass
Highest	22.20	21.30	/	38.45	Pass

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5.2.9 LTE Band 26 (Part 90S)

LTE Band 26 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	21.48	20.70	/	50	Pass
Middle	21.40	20.59	/	50	Pass
Highest	21.41	20.47	/	50	Pass
Channel Bandwidth: 3MHz					
Lowest	21.37	20.58	/	50	Pass
Middle	21.51	20.59	/	50	Pass
Highest	21.39	20.69	/	50	Pass
Channel Bandwidth: 5MHz					
Lowest	21.39	20.67	/	50	Pass
Middle	21.50	20.63	/	50	Pass
Highest	21.33	20.69	/	50	Pass
Channel Bandwidth: 10MHz					
Middle	21.44	20.51	/	50	Pass

Verify power:

LTE Band 26 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	21.45	20.51	/	50	Pass
Middle	21.22	20.44	/	50	Pass
Highest	21.21	20.27	/	50	Pass
Channel Bandwidth: 3MHz					
Lowest	21.34	20.57	/	50	Pass
Middle	21.33	20.49	/	50	Pass
Highest	21.19	20.49	/	50	Pass
Channel Bandwidth: 5MHz					
Lowest	21.36	20.47	/	50	Pass
Middle	21.35	20.53	/	50	Pass
Highest	21.13	20.49	/	50	Pass
Channel Bandwidth: 10MHz					
Middle	21.35	20.50	/	50	Pass

5.2.10 LTE Band 30

Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	23.76	23.77	/	23.98	Pass
Middle	23.82	23.82	/	23.98	Pass
Highest	23.81	23.75	/	23.98	Pass
Channel Bandwidth: 10MHz					
Middle	23.91	23.93	/	23.98	Pass

Verify power:

Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	23.73	23.57	/	23.98	Pass
Middle	23.81	23.08	/	23.98	Pass
Highest	23.75	23.61	/	23.98	Pass
Channel Bandwidth: 10MHz					
Middle	23.84	23.16	/	23.98	Pass

5.2.11 LTE Band 41

LTE Band 41 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	28.89	27.99	/	33.01	Pass
Middle	28.50	27.64	/	33.01	Pass
Highest	27.64	26.76	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	28.99	27.83	/	33.01	Pass
Middle	28.61	27.50	/	33.01	Pass
Highest	27.80	26.70	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	28.96	27.88	/	33.01	Pass
Middle	28.46	27.50	/	33.01	Pass
Highest	27.73	26.74	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	29.07	28.02	/	33.01	Pass
Middle	28.64	27.67	/	33.01	Pass
Highest	27.83	26.83	/	33.01	Pass

Verify power:

LTE Band 41 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	28.63	27.50	/	33.01	Pass
Middle	28.48	27.42	/	33.01	Pass
Highest	28.56	27.59	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	28.73	27.39	/	33.01	Pass
Middle	28.59	27.28	/	33.01	Pass
Highest	28.60	27.56	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	28.70	27.44	/	33.01	Pass
Middle	28.44	27.28	/	33.01	Pass
Highest	28.53	27.57	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	28.81	27.58	/	33.01	Pass
Middle	28.62	27.45	/	33.01	Pass
Highest	28.63	27.66	/	33.01	Pass

5.2.12 LTE Band 66

LTE Band 66 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	24.45	24.11	/	30.00	Pass
Middle	24.67	24.00	/	30.00	Pass
Highest	24.69	24.04	/	30.00	Pass
Channel Bandwidth: 3MHz					
Lowest	24.39	24.03	/	30.00	Pass
Middle	24.60	24.06	/	30.00	Pass
Highest	24.64	24.02	/	30.00	Pass
Channel Bandwidth: 5MHz					
Lowest	24.50	23.93	/	30.00	Pass
Middle	24.50	24.10	/	30.00	Pass
Highest	24.69	24.10	/	30.00	Pass
Channel Bandwidth: 10MHz					
Lowest	24.55	23.94	/	30.00	Pass
Middle	24.53	23.95	/	30.00	Pass
Highest	24.65	24.13	/	30.00	Pass
Channel Bandwidth: 15MHz					
Lowest	24.37	24.10	/	30.00	Pass
Middle	24.64	24.02	/	30.00	Pass
Highest	24.64	24.13	/	30.00	Pass
Channel Bandwidth: 20MHz					
Lowest	24.57	24.12	/	30.00	Pass
Middle	24.68	24.13	/	30.00	Pass
Highest	24.75	24.17	/	30.00	Pass

Verify power:

LTE Band 66 Maximum EIRP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 1.4MHz					
Lowest	24.24	23.66	/	30.00	Pass
Middle	24.56	23.66	/	30.00	Pass
Highest	24.51	24.05	/	30.00	Pass
Channel Bandwidth: 3MHz					
Lowest	24.18	23.58	/	30.00	Pass
Middle	24.49	23.63	/	30.00	Pass
Highest	24.46	24.12	/	30.00	Pass
Channel Bandwidth: 5MHz					
Lowest	24.29	23.48	/	30.00	Pass
Middle	24.39	23.66	/	30.00	Pass
Highest	24.51	24.15	/	30.00	Pass
Channel Bandwidth: 10MHz					
Lowest	24.34	23.49	/	30.00	Pass
Middle	24.55	23.51	/	30.00	Pass
Highest	24.53	24.03	/	30.00	Pass
Channel Bandwidth: 15MHz					
Lowest	24.16	23.65	/	30.00	Pass
Middle	24.53	23.59	/	30.00	Pass
Highest	24.46	24.05	/	30.00	Pass
Channel Bandwidth: 20MHz					
Lowest	24.36	23.67	/	30.00	Pass
Middle	24.57	23.69	/	30.00	Pass
Highest	24.57	24.21	/	30.00	Pass

5.2.13 LTE Band 71

LTE Band 71 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	28.25	27.53	/	33.01	Pass
Middle	28.09	27.77	/	33.01	Pass
Highest	28.10	27.44	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	28.30	27.54	/	33.01	Pass
Middle	28.12	27.62	/	33.01	Pass
Highest	28.06	27.47	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	28.12	27.70	/	33.01	Pass
Middle	28.23	27.69	/	33.01	Pass
Highest	28.05	27.47	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	28.32	27.72	/	33.01	Pass
Middle	28.27	27.80	/	33.01	Pass
Highest	28.16	27.51	/	33.01	Pass

Verify power:

LTE Band 71 Maximum ERP (dBm)					
Channel	QPSK; RB:1	16QAM; RB:1	64QAM; RB:1	Limit (dBm)	Result
Channel Bandwidth: 5MHz					
Lowest	28.00	27.15	/	33.01	Pass
Middle	27.86	27.41	/	33.01	Pass
Highest	27.89	27.22	/	33.01	Pass
Channel Bandwidth: 10MHz					
Lowest	27.98	27.16	/	33.01	Pass
Middle	27.89	27.50	/	33.01	Pass
Highest	27.85	27.25	/	33.01	Pass
Channel Bandwidth: 15MHz					
Lowest	27.87	27.32	/	33.01	Pass
Middle	28.00	27.46	/	33.01	Pass
Highest	27.84	27.17	/	33.01	Pass
Channel Bandwidth: 20MHz					
Lowest	28.07	27.34	/	33.01	Pass
Middle	28.04	27.57	/	33.01	Pass
Highest	27.95	27.29	/	33.01	Pass

5.3 CONDUCTED OUTPUT POWER

Test Requirement: FCC 47 CFR Part 2.1046(a)
LTE Band 2 & LTE Band 25: FCC 47 CFR Part 24.232(c)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.50(d)(4)
LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.913(a)
LTE Band 7 & Band 41: 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 30: FCC 47 CFR Part 27.50(a)(3)
LTE Band 26: FCC 47 CFR Part 90.635

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(a)(3): For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

FCC 47 CFR Part 90.635:

(a) The effective radiated power and antenna height for base stations may not exceed 1 kilowatt (30 dBw) and 304 m. (1,000 ft.) above average terrain (AAT), respectively, or the equivalent thereof as determined from the Table. These are maximum values, and applicants will be required to justify power levels and antenna heights requested.

(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

Table—Equivalent Power and Antenna Heights for Base Stations in the 851–869 MHz and 935–940 MHz Bands Which Have a Requirement for a 32 km (20 mi) Service Area Radius

Antenna height (ATT) meters (feet)	Effective radiated power (watts) ^{1 2 4}
Above 1,372 (4,500)	65
Above 1,220 (4,000) to 1,372 (4,500)	70
Above 1,067 (3,500) to 1,220 (4,000)	75
Above 915 (3,000) to 1,067 (3,500)	100
Above 763 (2,500) to 915 (3,000)	140

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Above 610 (2,000) to 763 (2,500)	200
Above 458 (1,500) to 610 (2,000)	350
Above 305 (1,000) to 458 (1,500)	600
Up to 305 (1,000)	³ 1,000

1. Power is given in terms of effective radiated power (ERP).
2. Applicants in the Los Angeles, CA, area who demonstrate a need to serve both the downtown and fringe areas will be permitted to utilize an ERP of 1 kw at the following mountaintop sites: Santiago Park, Sierra Peak, Mount Lukens, and Mount Wilson.
3. Stations with antennas below 305 m (1,000 ft) (AAT) will be restricted to a maximum power of 1 kw (ERP).
4. Licensees in San Diego, CA, will be permitted to utilize an ERP of 500 watts at the following mountaintop sites: Palomar, Otay, Woodson and Miguel.

Test Procedure:

The EUT was set up for the maximum power with 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

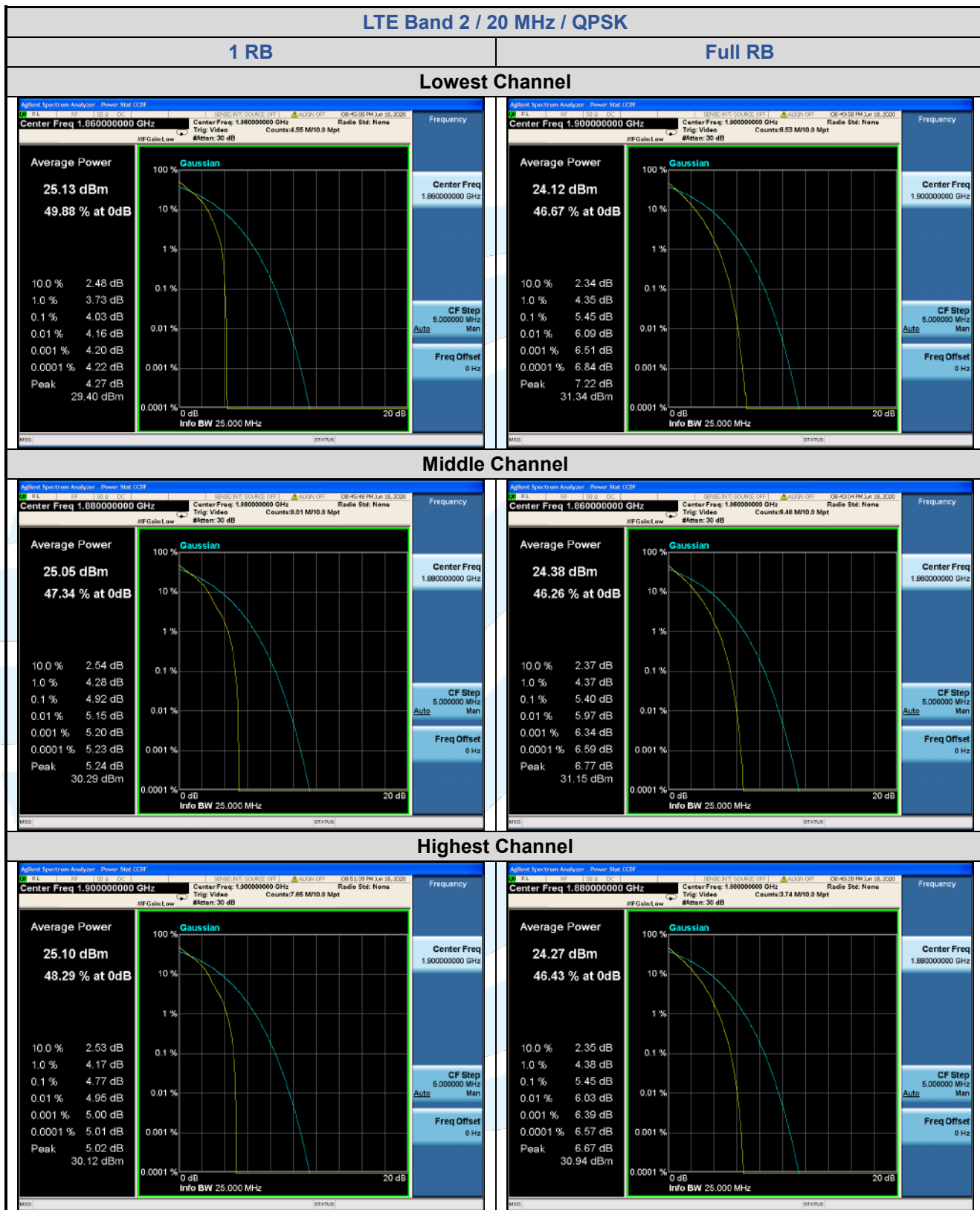
Test Data: [The full result refer to section 4.5 for details.](#)

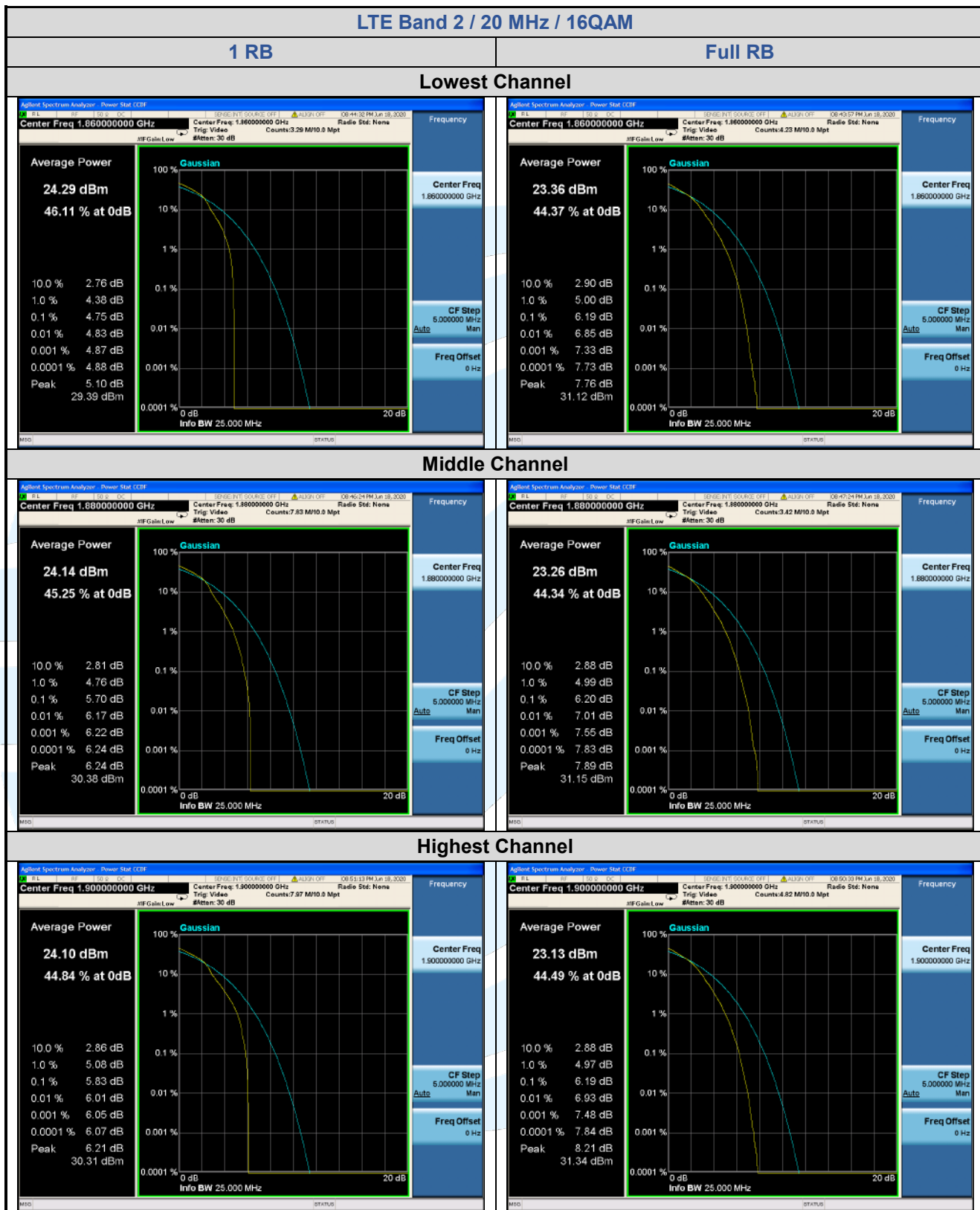
5.4 PEAK-TO-AVERAGE RATIO

Test Requirement:	LTE Band 2 & LTE Band 25: FCC 47 CFR Part 24.232(d)
	LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.50(d)(5)
	LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.913(a)
	LTE Band 7 & Band 41: FCC 47 CFR Part 27.50(d)(5)
	LTE Band 12 & Band 17: FCC 47 CFR Part 27.50(d)(5)
Test Method:	LTE Band 30: FCC 47 CFR Part 27.50(a)(3)
	KDB 971168 D01v03r01 Section 5.7
Limit:	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
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.	
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.	
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:	See table below

5.4.1 LTE Band 2

LTE Band 2 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.03	4.75	/	13	Pass
	Full RB	5.45	6.19	/	13	Pass
Middle	1 RB	4.03	5.70	/	13	Pass
	Full RB	5.40	6.20	/	13	Pass
Highest	1 RB	4.77	5.83	/	13	Pass
	Full RB	5.45	6.19	/	13	Pass

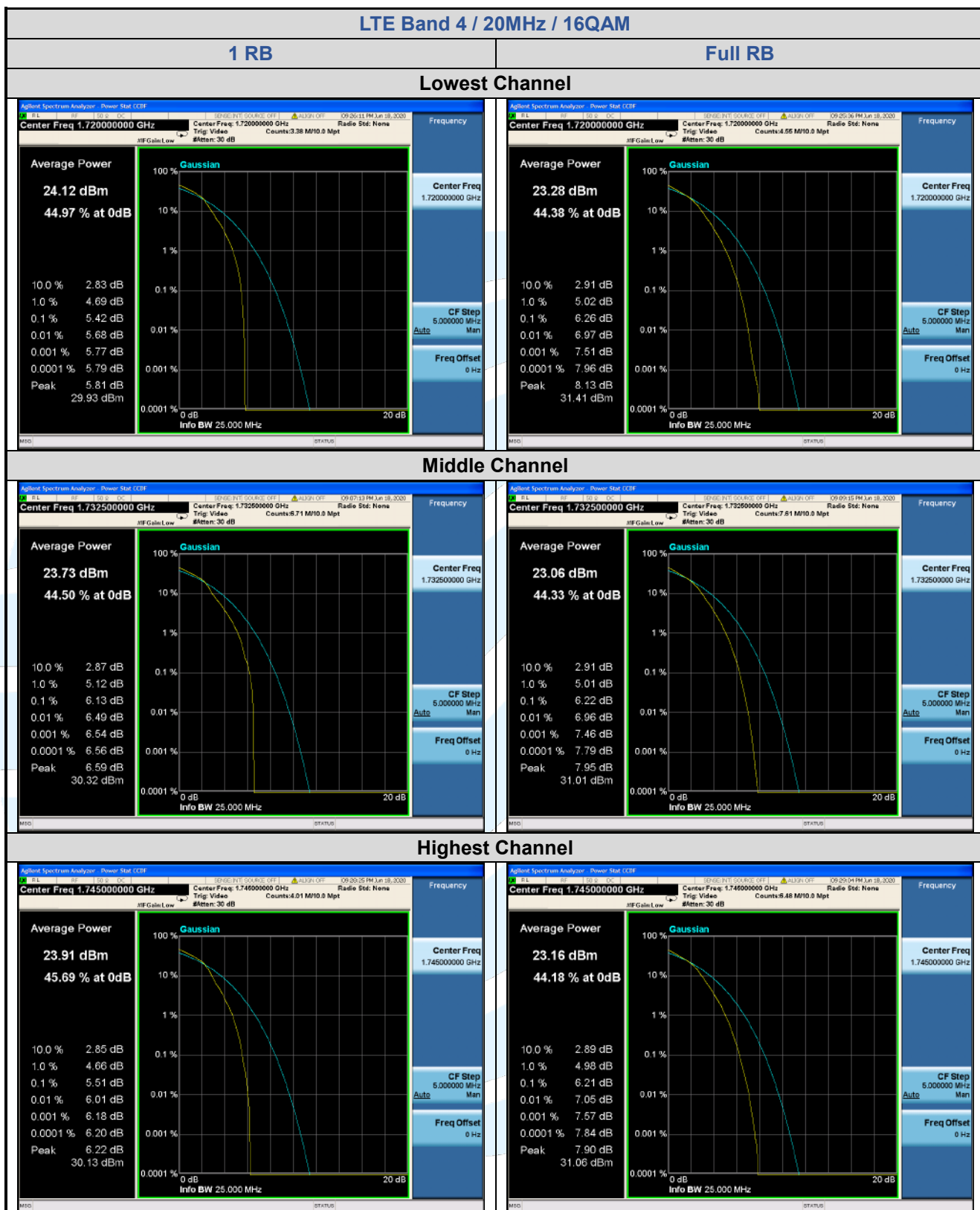




5.4.2 LTE Band 4

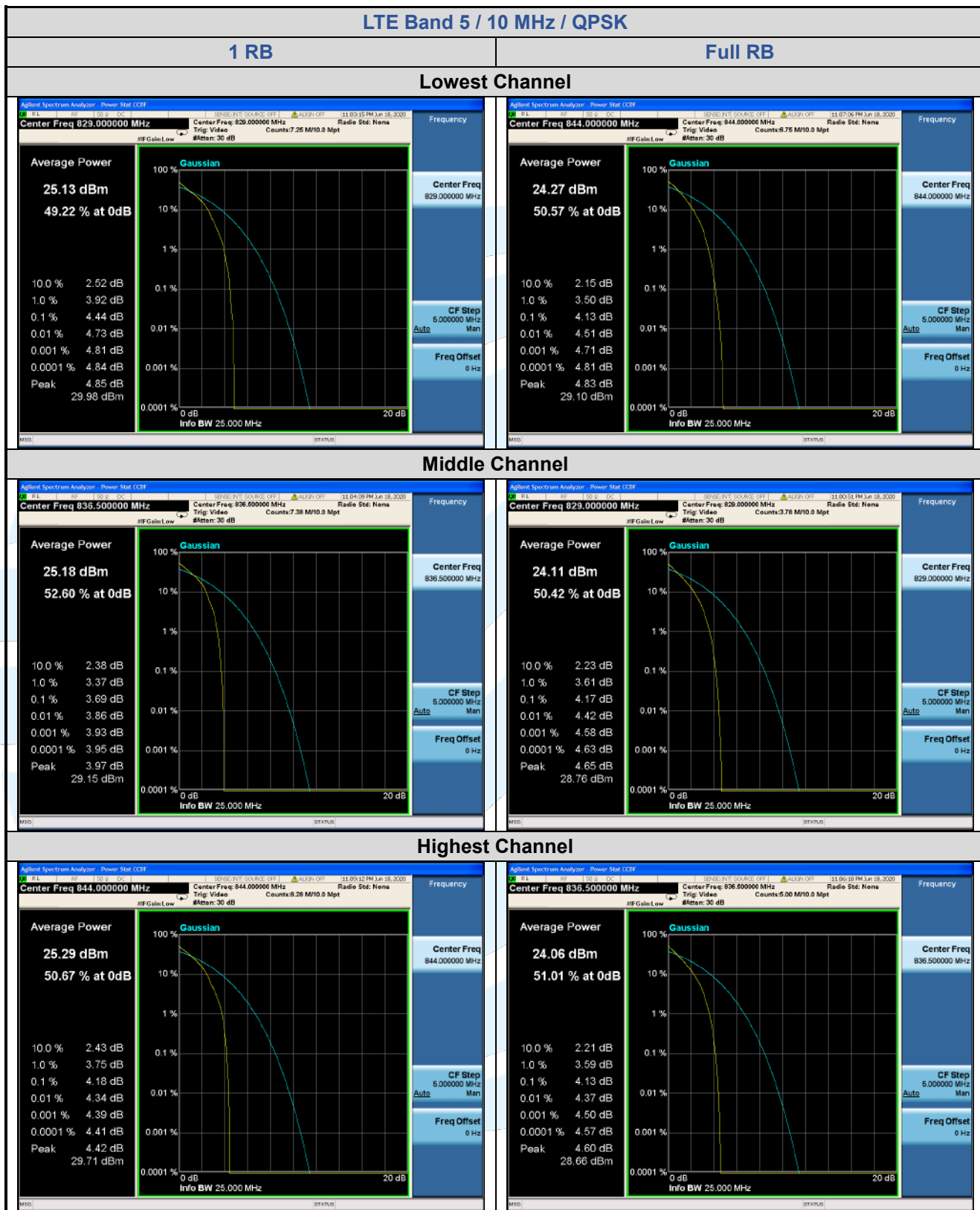
LTE Band 4 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.85	5.42	/	13	Pass
	Full RB	5.53	6.26	/	13	Pass
Middle	1 RB	5.02	6.13	/	13	Pass
	Full RB	5.53	6.22	/	13	Pass
Highest	1 RB	4.90	5.51	/	13	Pass
	Full RB	5.42	6.21	/	13	Pass

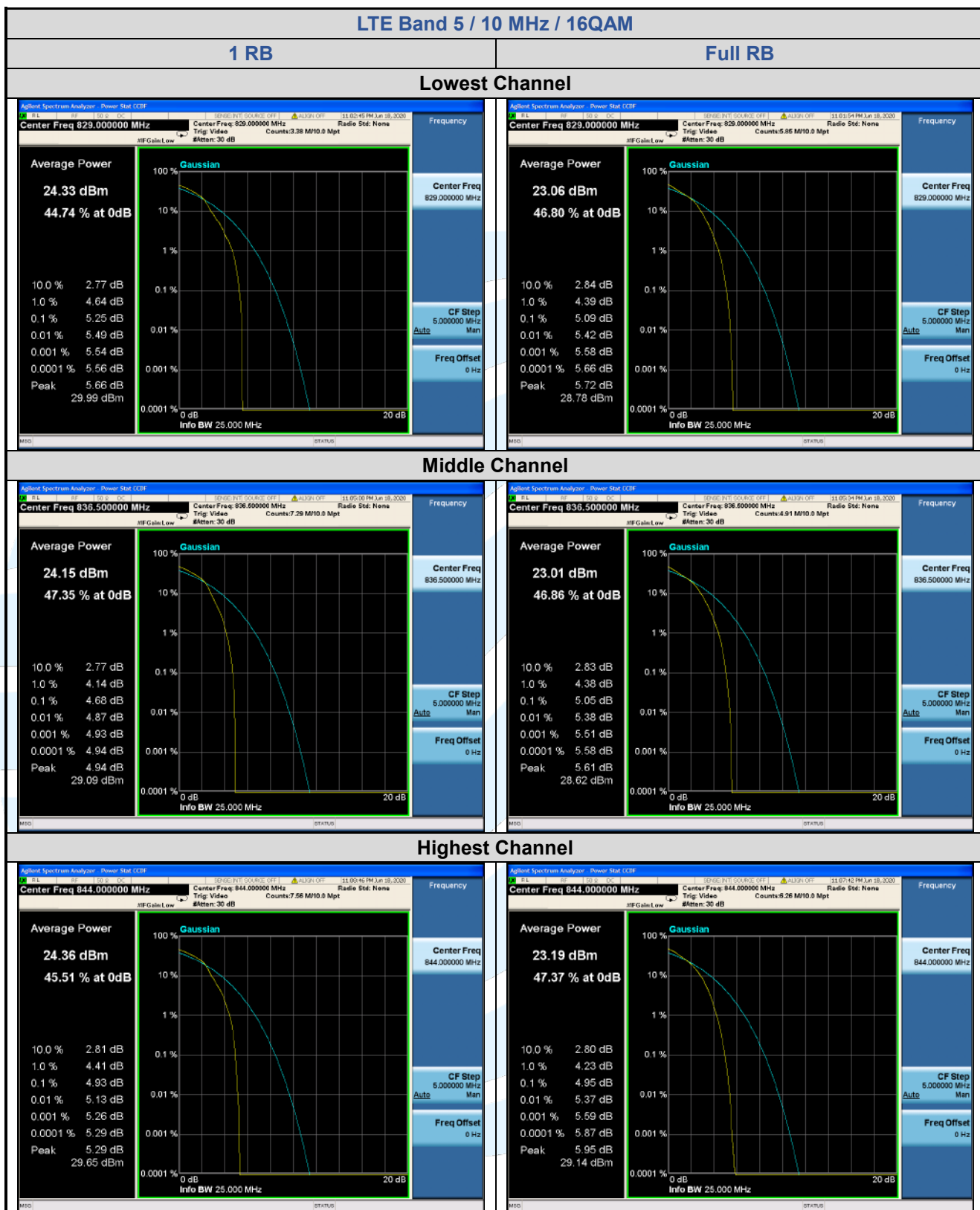




5.4.3 LTE Band 5

LTE Band 5 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.44	5.25	/	13	Pass
	Full RB	4.13	5.09	/	13	Pass
Middle	1 RB	3.69	4.68	/	13	Pass
	Full RB	3.61	5.05	/	13	Pass
Highest	1 RB	4.18	4.93	/	13	Pass
	Full RB	4.13	4.95	/	13	Pass

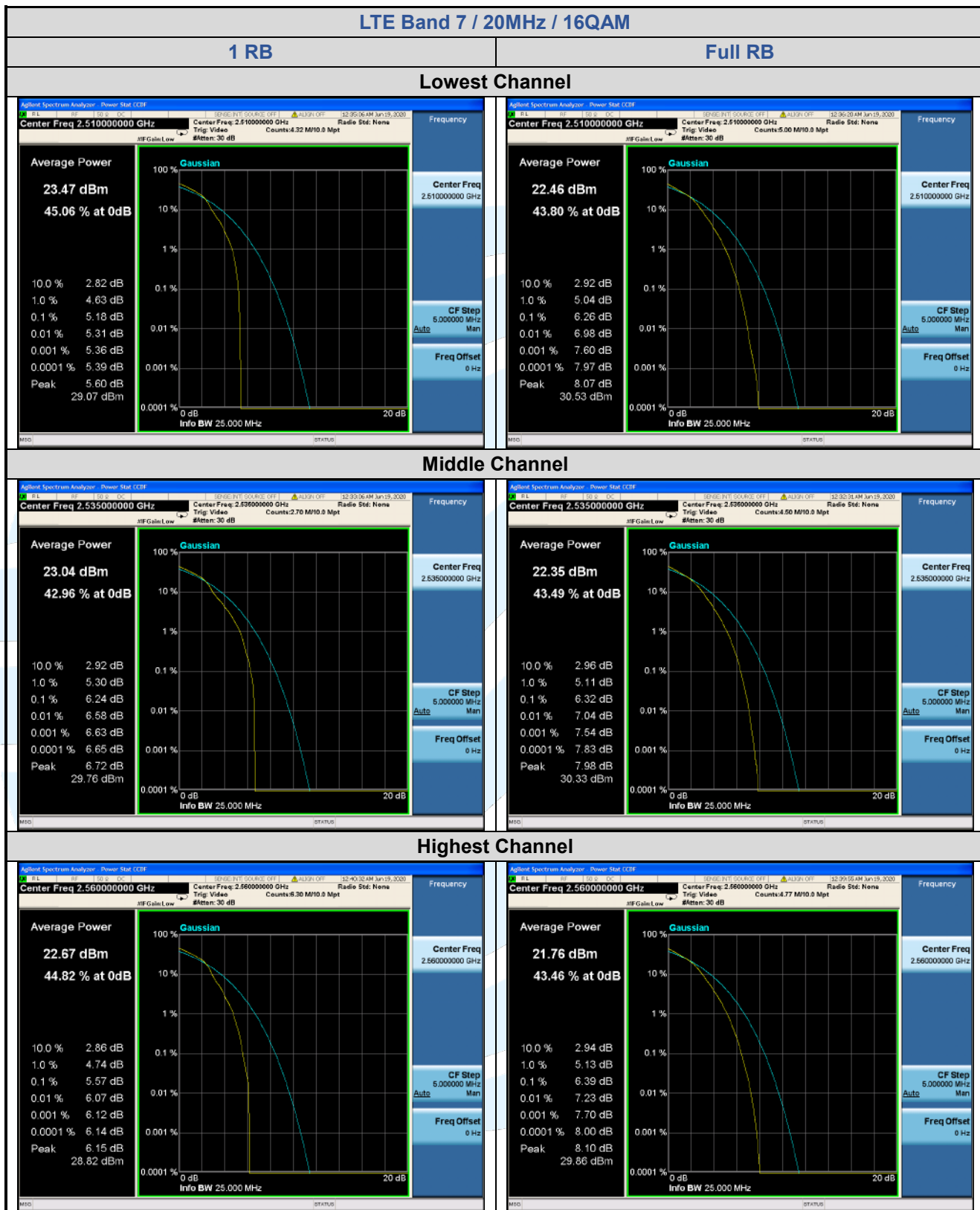




5.4.4 LTE Band 7

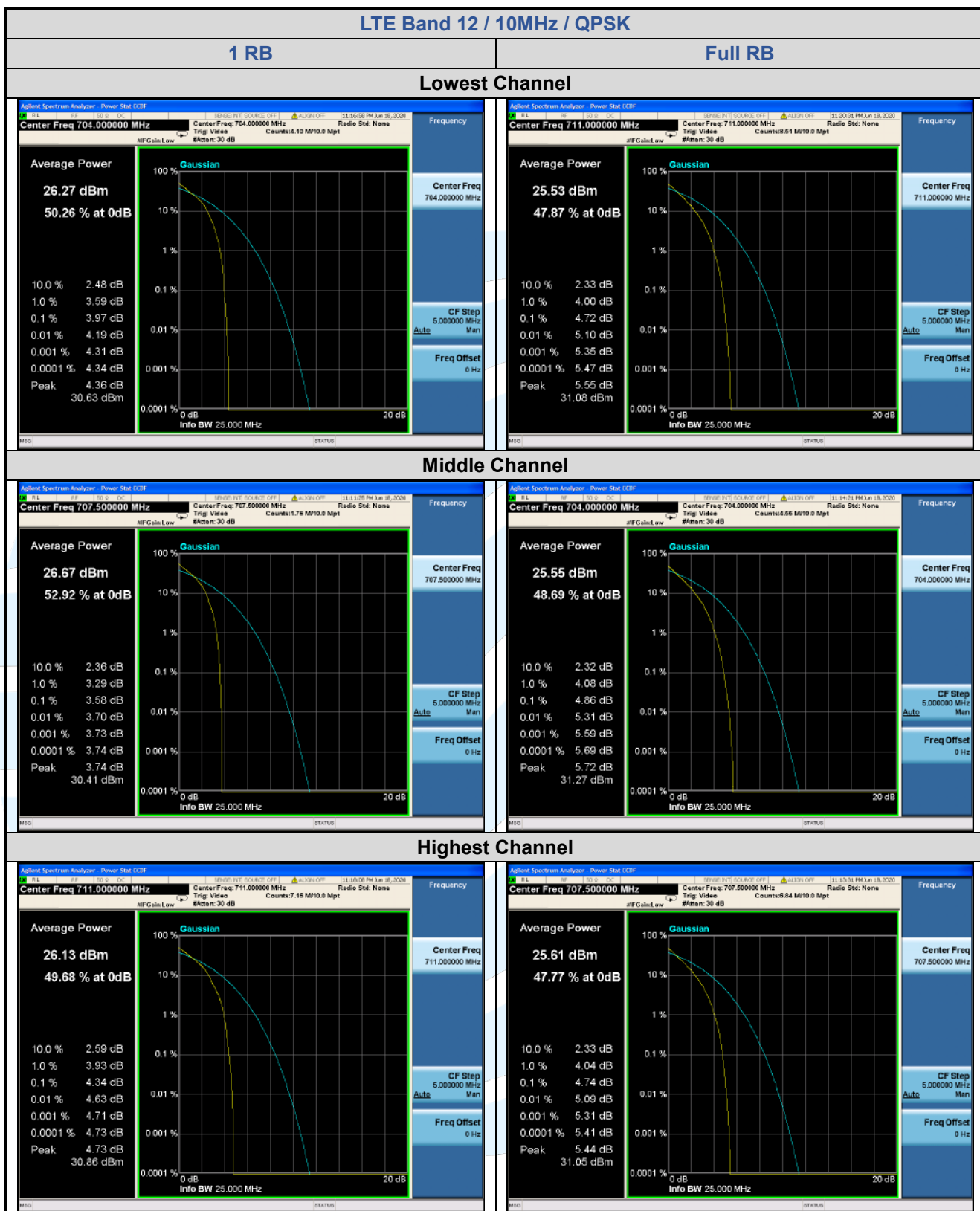
LTE Band 7 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.45	5.18	/	13	Pass
	Full RB	5.44	6.26	/	13	Pass
Middle	1 RB	5.16	6.24	/	13	Pass
	Full RB	5.48	6.32	/	13	Pass
Highest	1 RB	4.74	5.57	/	13	Pass
	Full RB	5.61	6.39	/	13	Pass

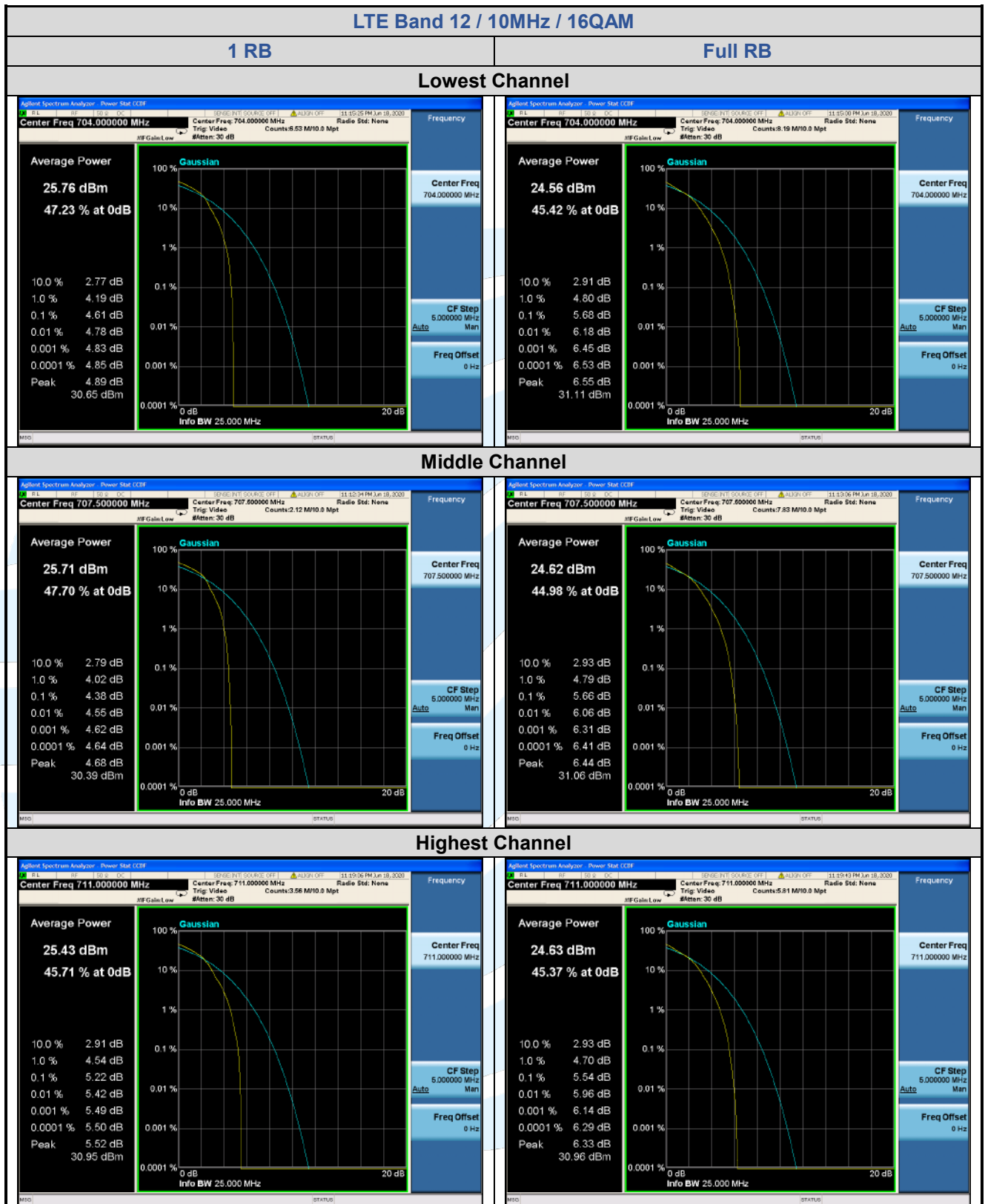




5.4.5 LTE Band 12

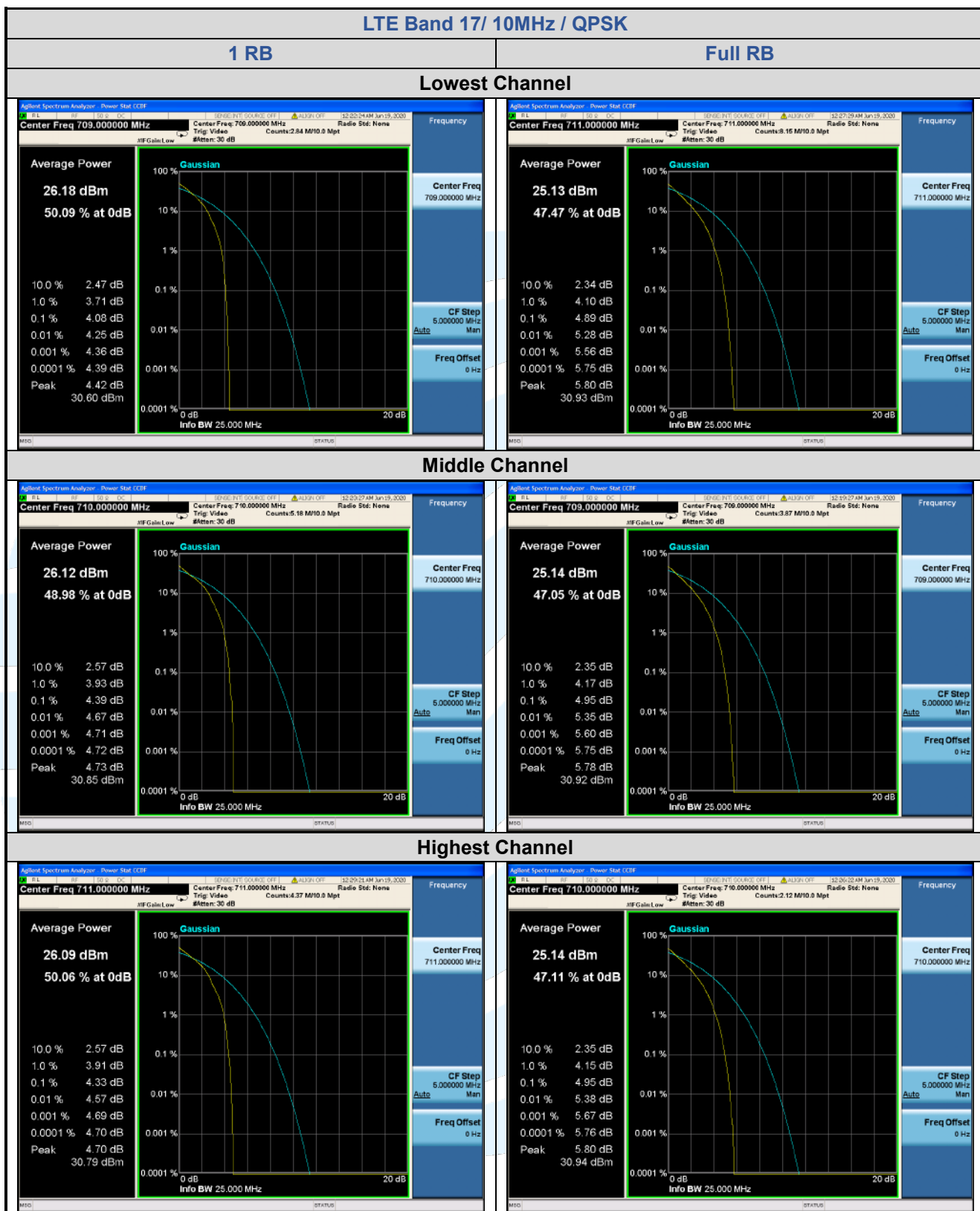
LTE Band 12 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	3.97	4.61	/	13	Pass
	Full RB	4.72	5.68	/	13	Pass
Middle	1 RB	3.58	4.38	/	13	Pass
	Full RB	4.86	5.66	/	13	Pass
Highest	1 RB	4.34	5.22	/	13	Pass
	Full RB	4.74	5.54	/	13	Pass





5.4.6 LTE Band 17

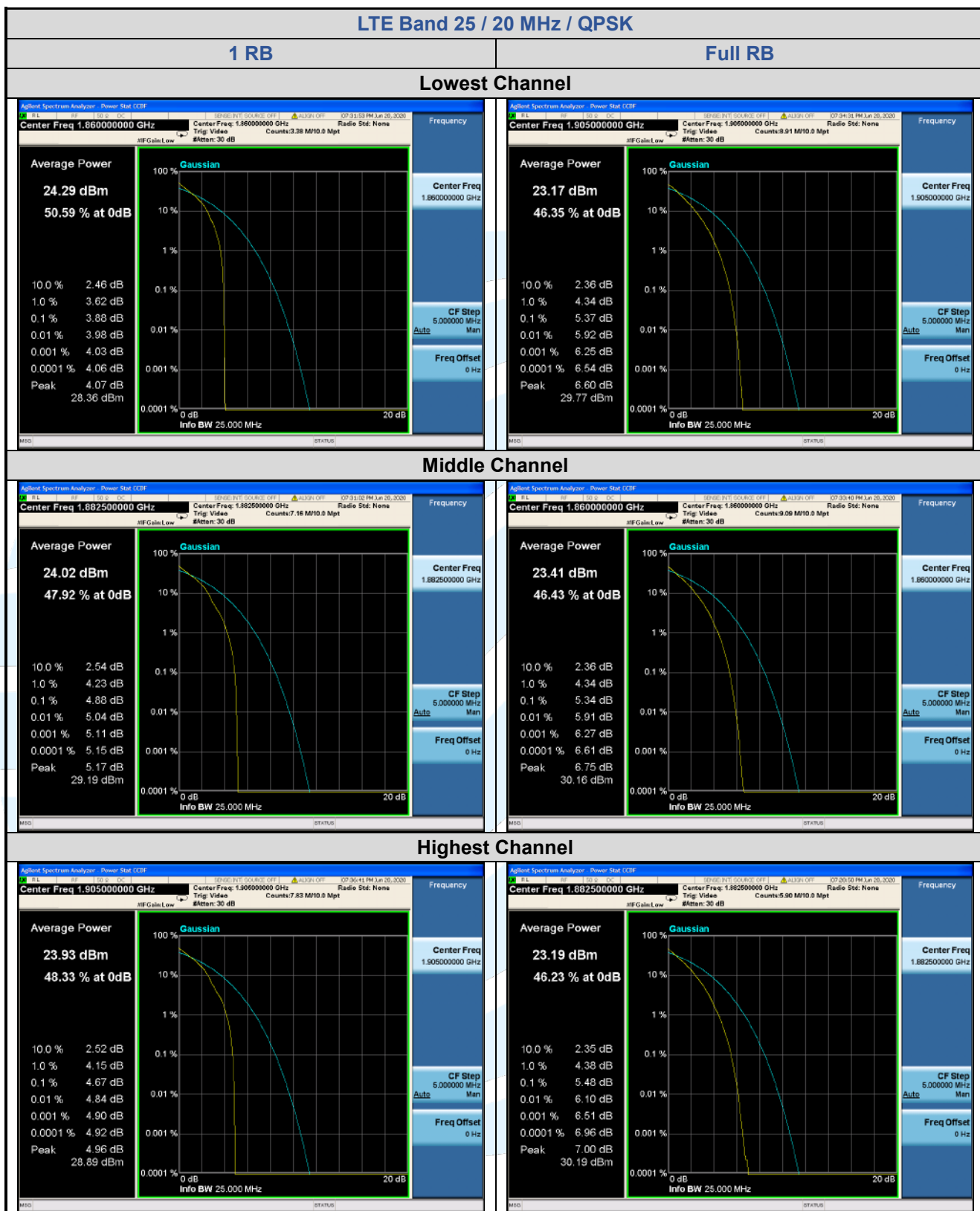
LTE Band 17 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.08	4.78	/	13	Pass
	Full RB	4.89	5.78	/	13	Pass
Middle	1 RB	4.39	5.18	/	13	Pass
	Full RB	4.95	5.69	/	13	Pass
Highest	1 RB	4.33	5.40	/	13	Pass
	Full RB	4.95	5.74	/	13	Pass

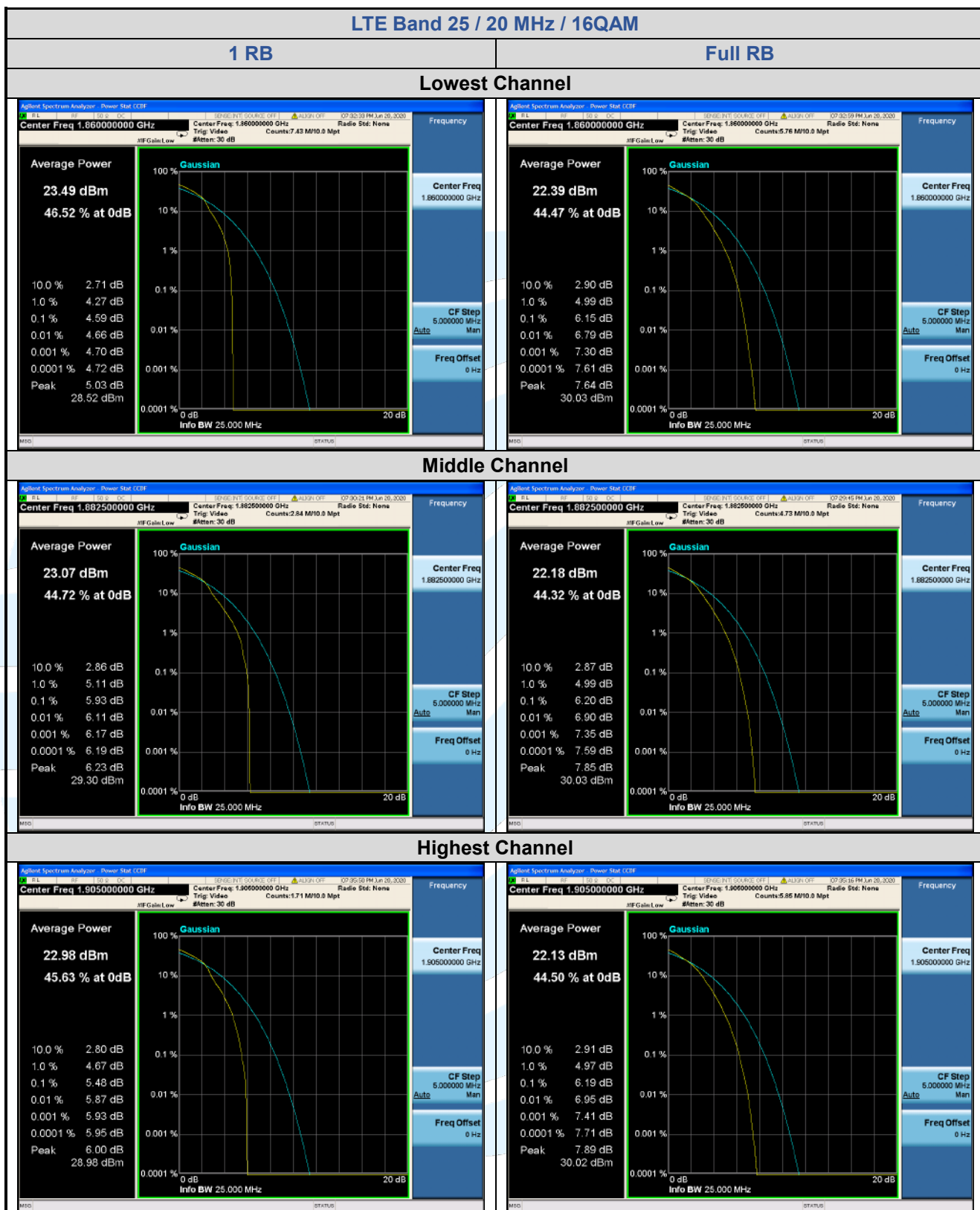




5.4.7 LTE Band 25

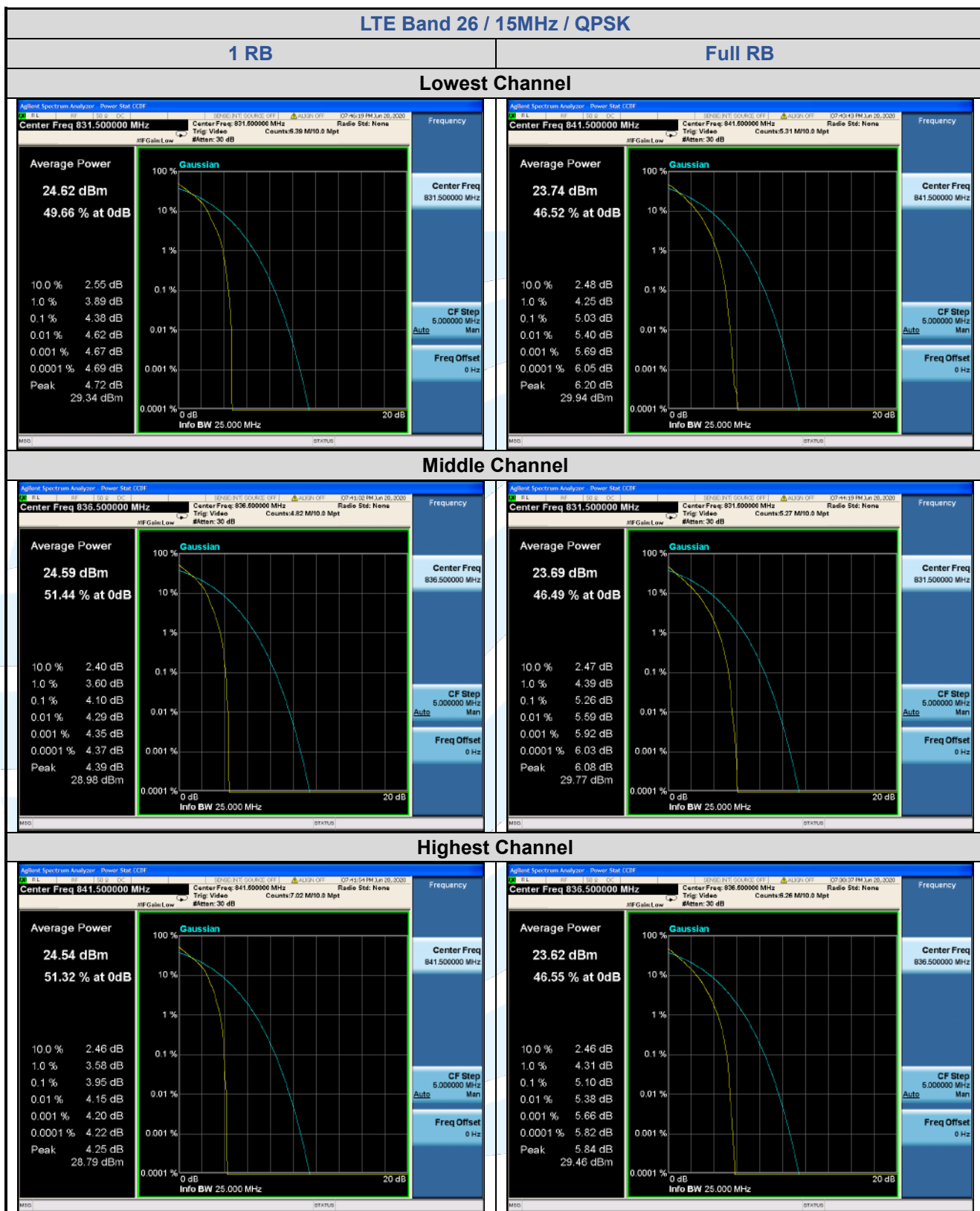
LTE Band 25 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	3.88	4.59	/	13	Pass
	Full RB	5.37	6.15	/	13	Pass
Middle	1 RB	4.88	5.93	/	13	Pass
	Full RB	5.34	6.20	/	13	Pass
Highest	1 RB	4.67	5.48	/	13	Pass
	Full RB	5.48	6.19	/	13	Pass

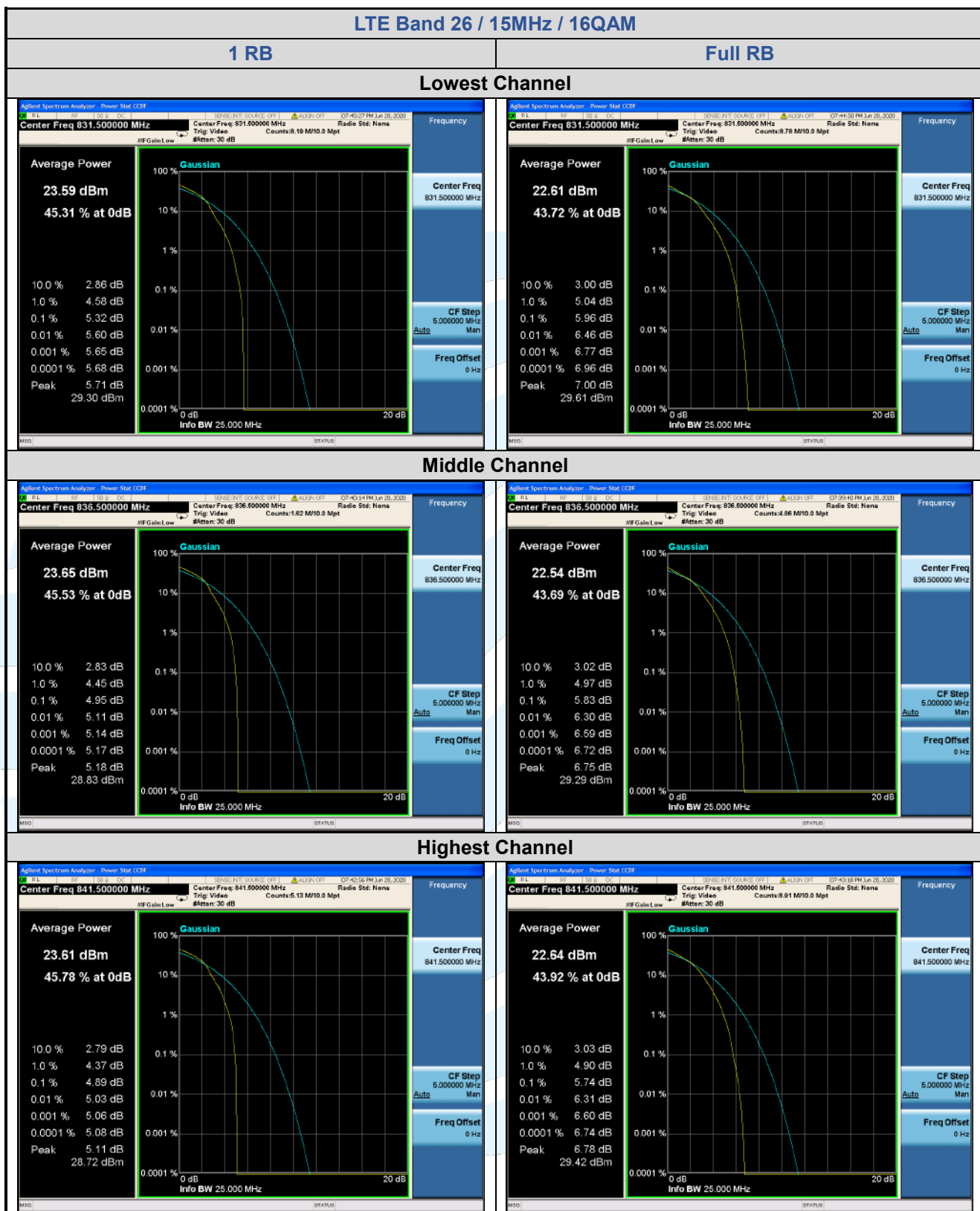




5.4.8 LTE Band 26

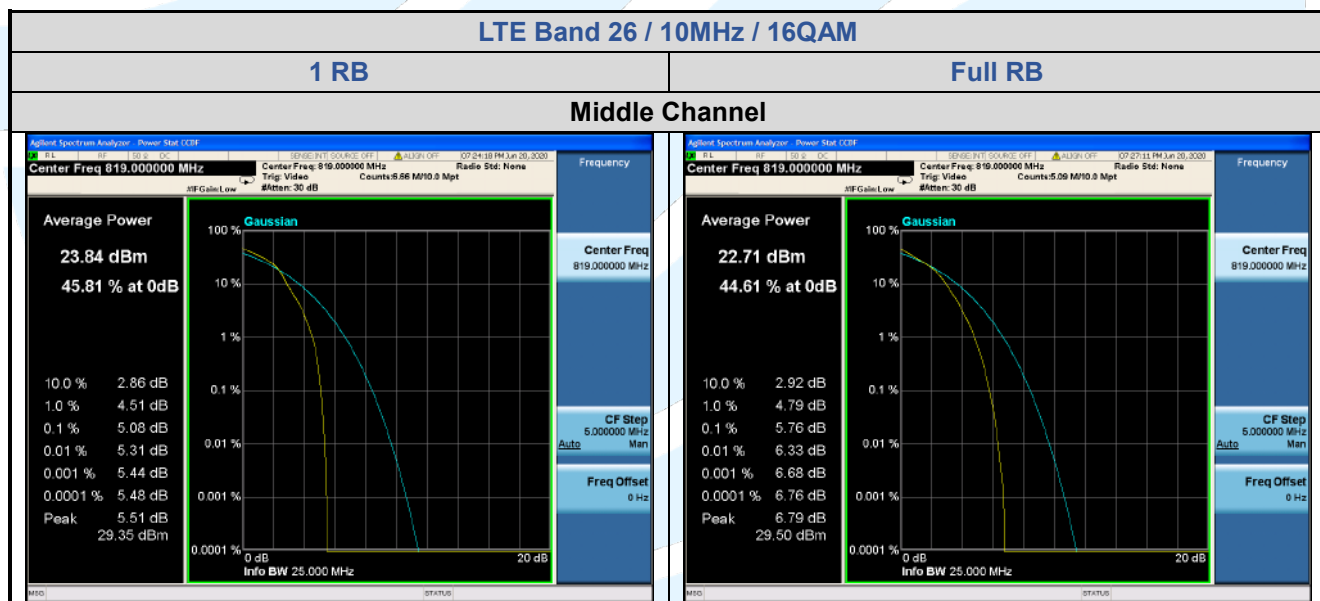
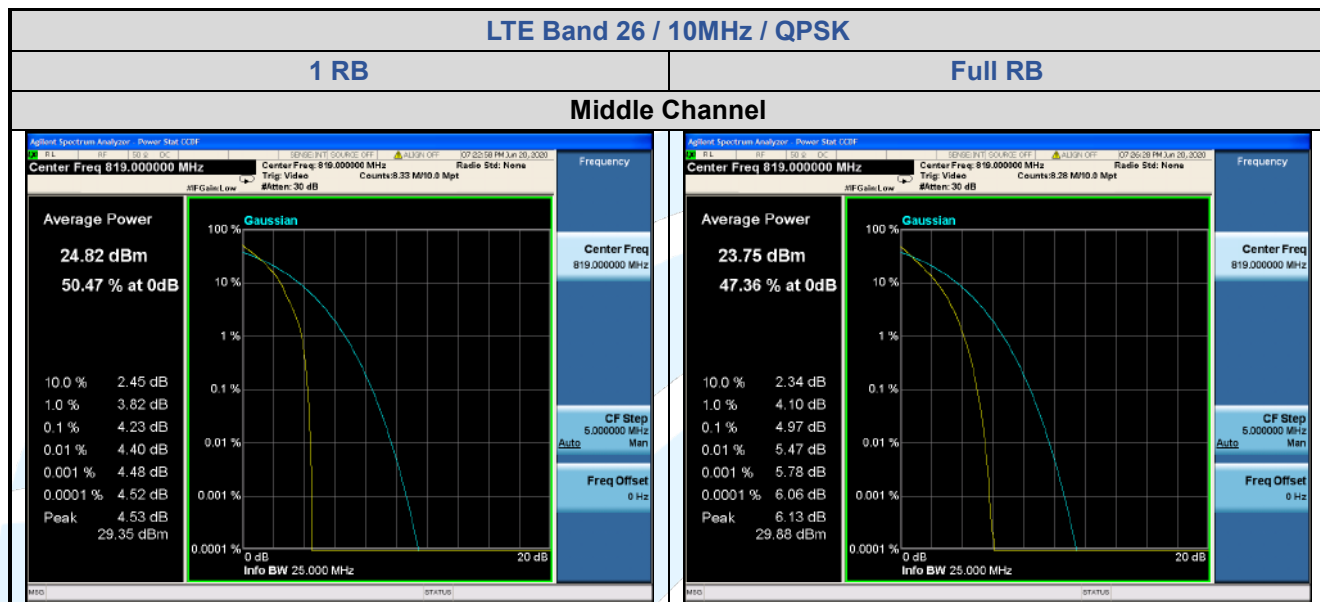
LTE Band 26 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 15 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.38	5.32	/	13	Pass
	Full RB	5.03	5.96	/	13	Pass
Middle	1 RB	4.10	4.95	/	13	Pass
	Full RB	5.26	5.83	/	13	Pass
Highest	1 RB	3.95	4.89	/	13	Pass
	Full RB	5.10	5.74	/	13	Pass





5.4.9 LTE Band 26 (Part 90S)

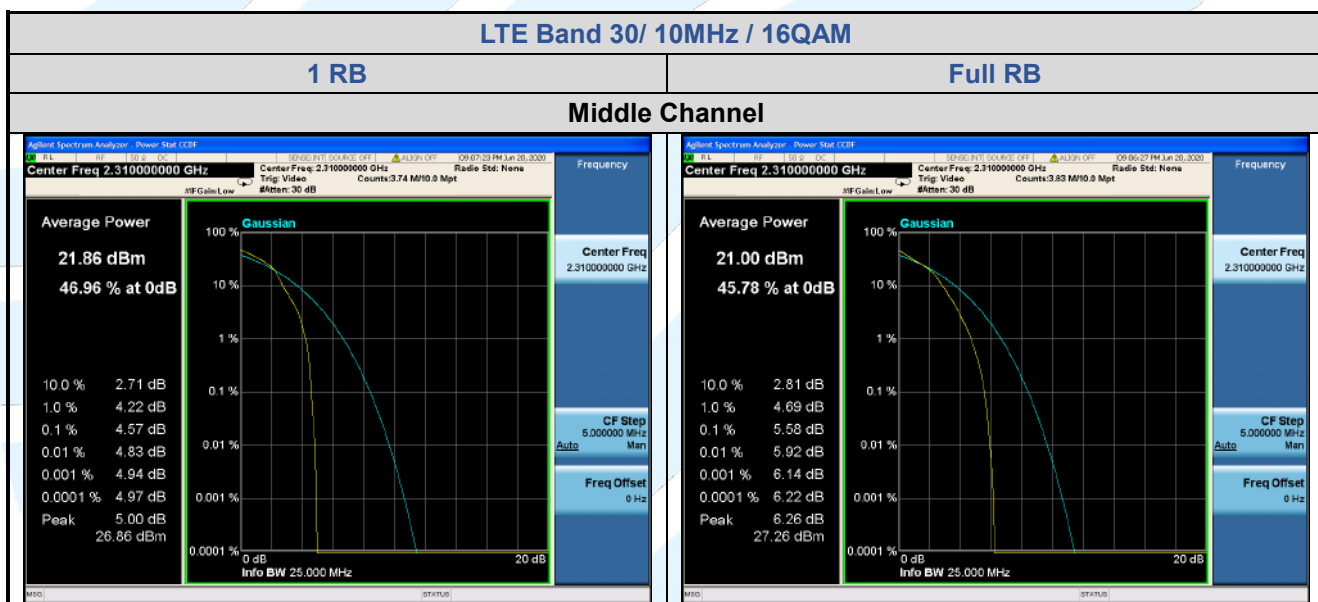
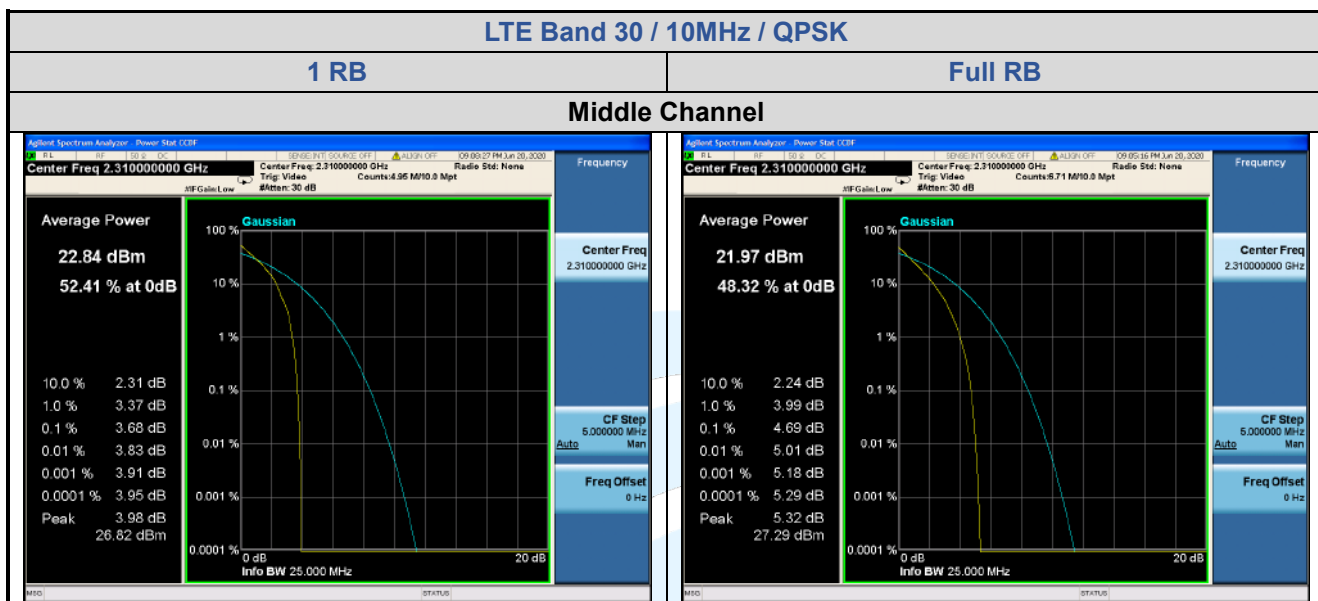
LTE Band 26 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Middle	1 RB	4.23	5.08	/	13	Pass
	Full RB	4.97	5.76	/	13	Pass



5.4.10 LTE Band 30

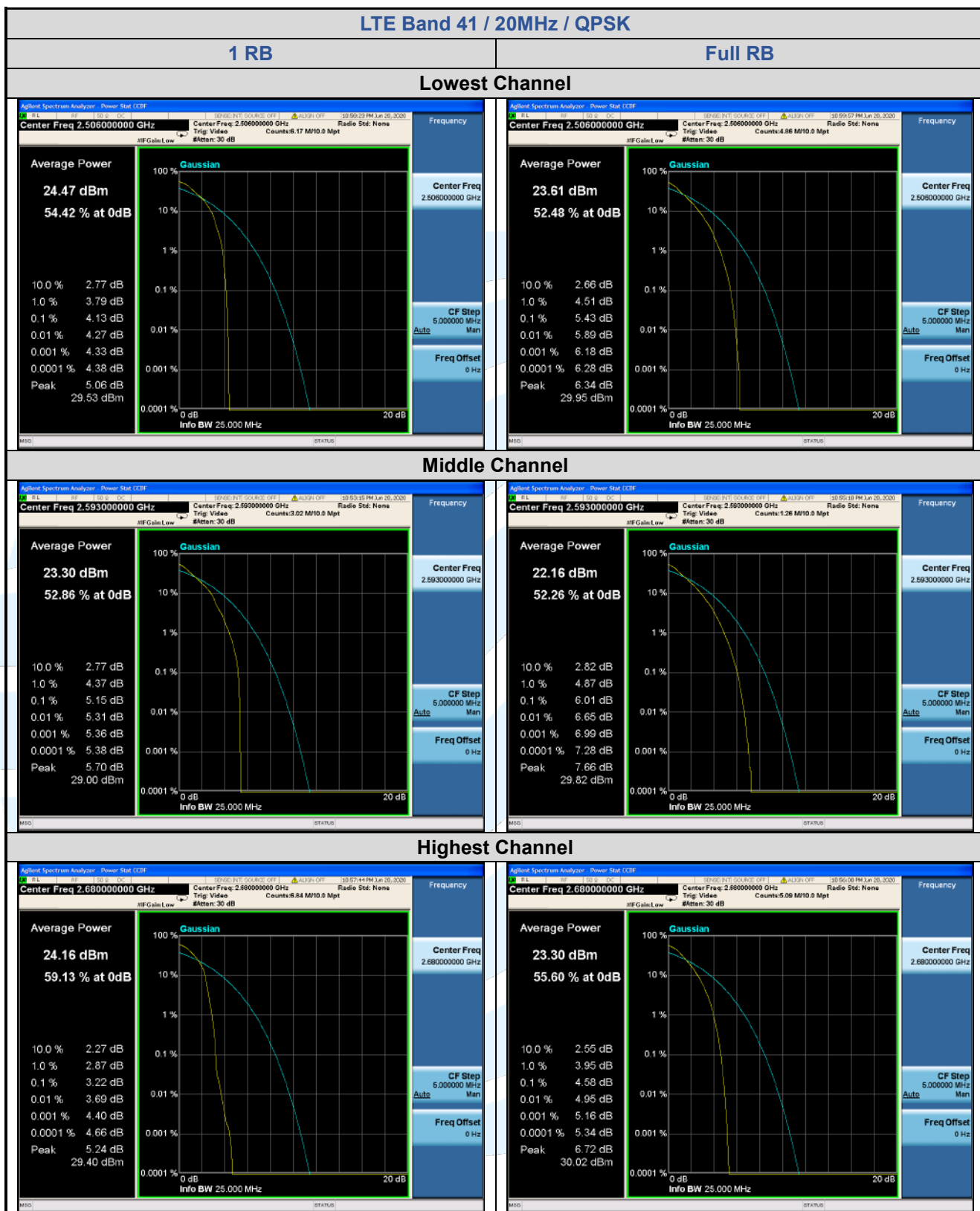
LTE Band 30Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Middle	1 RB	3.68	4.57	/	13	Pass
	Full RB	4.69	5.58	/	13	Pass





5.4.11 LTE Band 41

LTE Band 41 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	3.79	5.05	/	13	Pass
	Full RB	5.43	6.12	/	13	Pass
Middle	1 RB	5.15	6.04	/	13	Pass
	Full RB	6.01	6.54	/	13	Pass
Highest	1 RB	3.22	3.98	/	13	Pass
	Full RB	4.58	5.77	/	13	Pass

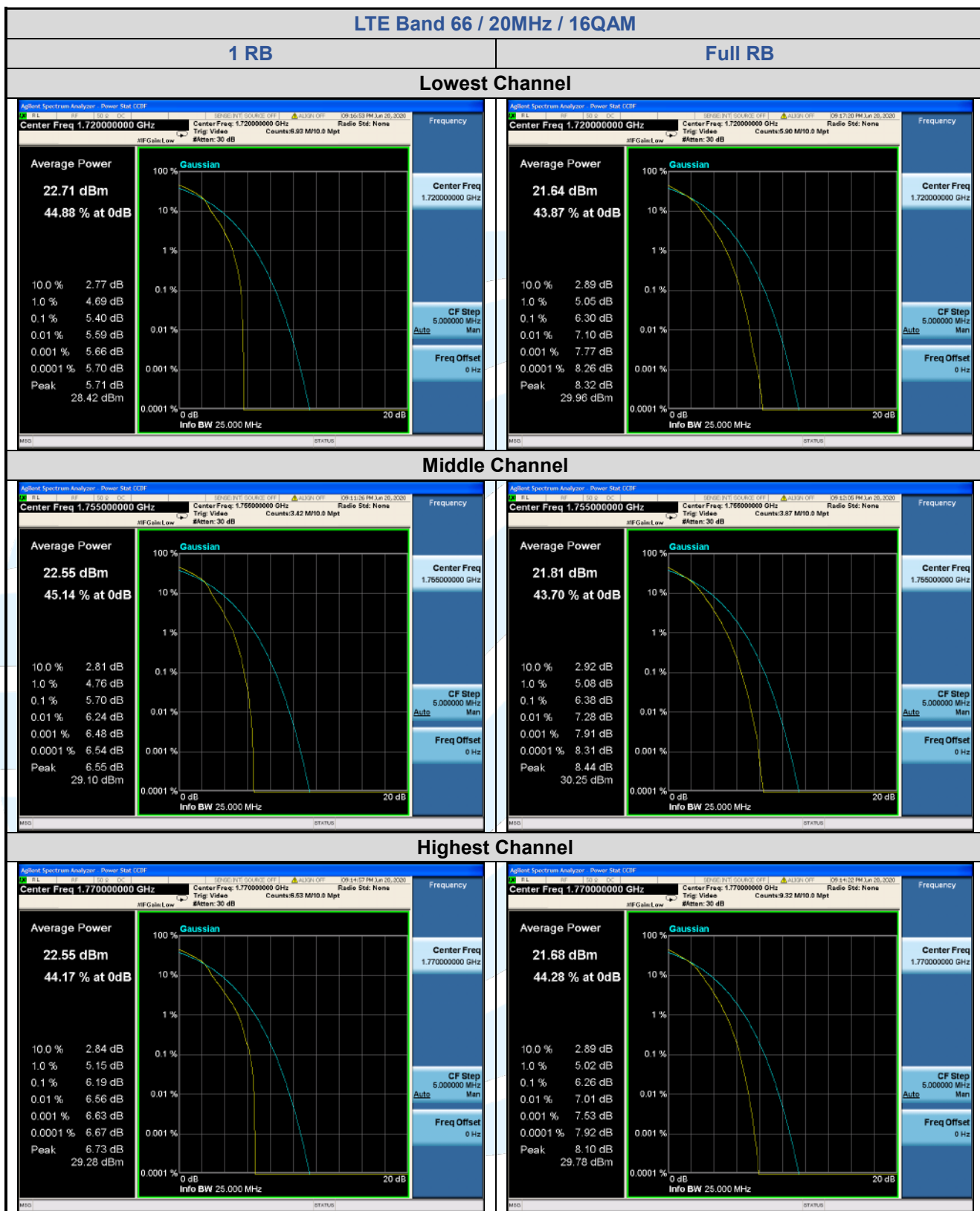




5.4.12 LTE Band 66

LTE Band 66 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.76	5.40	/	13	Pass
	Full RB	5.52	6.30	/	13	Pass
Middle	1 RB	5.07	5.70	/	13	Pass
	Full RB	5.63	6.38	/	13	Pass
Highest	1 RB	5.16	6.19	/	13	Pass
	Full RB	5.55	6.26	/	13	Pass





5.4.13 LTE Band 71

LTE Band 71 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.20	4.96	/	13	Pass
	Full RB	5.42	6.26	/	13	Pass
Middle	1 RB	4.61	5.49	/	13	Pass
	Full RB	5.44	6.24	/	13	Pass
Highest	1 RB	4.94	5.54	/	13	Pass
	Full RB	5.49	6.24	/	13	Pass

