



FCC RADIO TEST REPORT

FCC ID : IHDT56YJ2
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2061-3
Applicant : Motorola Mobility, LLC
222 W Merchandise Mart Plaza, Suite 1800,
Chicago, IL 60654, United States
Manufacturer : Motorola Mobility, LLC
222 W Merchandise Mart Plaza, Suite 1800,
Chicago, IL 60654, United States
Standard : 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Dec. 06, 2019 and testing was started from Jan. 28, 2020 and completed on Mar. 30, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(2)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
3.7	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	Under limit 15.18 dB at 10404.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

Remark: This is a variant report which can be referred Product Equality Declaration. All the test cases were performed on original report which can be referred to Sporton Report Number FG9D0635B. Based on the original report, only worst case was verified.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Ann Lee



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2061-3
FCC ID	IHDT56YJ2
IMEI Code	Conducted : IMEI: 359124100005409 Radiation : IMEI: 359124100005367 IMEI: 359124100005417
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/ GNSS/NFC/WPC WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE
HW Version	DVT2
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Accessory List	
AC Adapter 1	Brand Name : Motorola
	Model Name : SC-51 (SA18C30116)
	Manufacturer : Chenyang
AC Adapter 2	Brand Name : Motorola
	Model Name : SC-51 (SA18C62985)
	Manufacturer : Acbel
Battery	Brand Name : ATL
	Model Name : LW50
USB Cable 1	Brand Name : Motorola
	Model Name : SC18C24367
	Manufacturer : Saibao
USB Cable 2	Brand Name : Motorola
	Model Name : SC18C24368
	Manufacturer : Luxshare



1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 17: 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7 MHz ~ 1914.3 MHz LTE Band 26: 824.7 MHz ~ 848.3 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n66: 1720.0 MHz ~ 1770.0 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz
Rx Frequency	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5 MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 17: 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7 MHz ~ 1994.3 MHz LTE Band 26: 869.7 MHz ~ 893.3 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 2110.7 MHz ~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz



Standards-related Product Specification	
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 17: 5 MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz 5GNR n5: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz 5GNR n66: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz 5GNR n77: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz
Maximum Output Power to Antenna	LTE Band 2: 22.98 dBm LTE Band 4: 23.16 dBm LTE Band 5: 23.03 dBm LTE Band 7: 23.36 dBm LTE Band 12: 22.89 dBm LTE Band 13: 22.88 dBm LTE Band 17: 22.81 dBm LTE Band 25: 23.15 dBm LTE Band 26: 23.08 dBm LTE Band 38: 23.31 dBm LTE Band 41: 23.41 dBm LTE Band 66: 23.16 dBm LTE Band 71: 23.21 dBm 5G NR n5: 23.31 dBm 5G NR n66: 22.71 dBm 5G NR n71: 24.01 dBm
Antenna Type	Fixed Internal Antenna



Standards-related Product Specification	
Antenna Gain	LTE Band 2: -0.9 dBi LTE Band 4: -1.9 dBi LTE Band 5: -3.4 dBi LTE Band 7: -5.2 dBi LTE Band 12: -4.0 dBi LTE Band 13: -3.5 dBi LTE Band 17: -4.0 dBi LTE Band 25: -0.9 dBi LTE Band 26: -3.4 dBi LTE Band 38: -5.3 dBi LTE Band 41: -5.3 dBi LTE Band 66: -1.9 dBi LTE Band 71: -4.5 dBi 5G NR n5: -3.4 dBi 5G NR n66: -1.9 dBi 5G NR n71: -4.5 dBi
Type of Modulation	LTE: QPSK / 16QAM / 64QAM 5G NR: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM



1.3 Emission Designator

LTE Band 2		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1909.3	-	-	0.1545	-	-	0.1324	-	-	0.1030
3	1851.5 ~ 1908.5	-	-	0.1570	-	-	0.1361	-	-	0.1050
5	1852.5 ~ 1907.5	-	-	0.1570	-	-	0.1334	-	-	0.1042
10	1855.0 ~ 1905.0	-	-	0.1545	-	-	0.1340	-	-	0.1047
15	1857.5 ~ 1902.5	-	-	0.1611	-	-	0.1396	-	-	0.1074
20	1860.0 ~ 1900.0	-	-	0.1614	-	-	0.1380	-	-	0.1081
LTE Band 4		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1710.7~1754.3	-	-	0.1253	-	-	0.1072	-	-	0.0847
3	1711.5~1753.5	-	-	0.1276	-	-	0.1081	-	-	0.0859
5	1712.5~1752.5	-	-	0.1268	-	-	0.1084	-	-	0.0964
10	1715.0~1750.0	-	-	0.1274	-	-	0.1104	-	-	0.0998
15	1717.5~1747.5	-	-	0.1330	-	-	0.1146	-	-	0.1014
20	1720.0~1745.0	-	-	0.1337	-	-	0.1138	-	-	0.1016
LTE Band 5		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	824.7~848.3	-	-	0.0552	-	-	0.0449	-	-	0.0376
3	825.5~847.5	-	-	0.0560	-	-	0.0483	-	-	0.0378
5	826.5~846.5	-	-	0.0557	-	-	0.0481	-	-	0.0375
10	829.0~844.0	-	-	0.0560	-	-	0.0481	-	-	0.0374
LTE Band 7		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2502.5~2567.5	-	-	0.0611	-	-	0.0527	-	-	0.0466
10	2505.0~2565.0	-	-	0.0610	-	-	0.0524	-	-	0.0471
15	2507.5~2562.5	-	-	0.0653	-	-	0.0558	-	-	0.0478
20	2510.0~2560.0	-	-	0.0655	-	-	0.0556	-	-	0.0479



LTE Band 12		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	699.7~715.3	-	-	0.0462	-	-	0.0394	-	-	0.0310
3	700.5~714.5	-	-	0.0469	-	-	0.0403	-	-	0.0313
5	701.5~713.5	-	-	0.0466	-	-	0.0395	-	-	0.0311
10	704.0~711.0	-	-	0.0472	-	-	0.0403	-	-	0.0313
LTE Band 13		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	779.5 ~ 784.5	-	-	0.0527	-	-	0.0448	-	-	0.0351
10	782	-	-	0.0528	-	-	0.0449	-	-	0.0354
LTE Band 17		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	706.5 ~ 713.5	-	-	0.0461	-	-	0.0400	-	-	0.0312
10	709.0 ~ 711.0	-	-	0.0463	-	-	0.0399	-	-	0.0310
LTE Band 25		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1914.3	1M09G7D	-	0.1652	1M09W7D	-	0.1416	1M09W7D	-	0.1084
3	1851.5 ~ 1913.5	2M73G7D	-	0.1592	2M73W7D	-	0.1349	2M73W7D	-	0.1023
5	1852.5 ~ 1912.5	4M52G7D	-	0.1618	4M51W7D	-	0.1358	4M52W7D	-	0.1047
10	1855.0 ~ 1910.0	9M03G7D	0.0092	0.1589	9M05W7D	-	0.1380	9M03W7D	-	0.1062
15	1857.5 ~ 1907.5	13M6G7D	-	0.1675	13M4W7D	-	0.1429	13M5W7D	-	0.1094
20	1860.0 ~ 1905.0	17M9G7D	-	0.1679	17M9W7D	-	0.1419	18M0W7D	-	0.1086
LTE Band 26		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	824.7 ~ 848.3	1M09G7D	-	0.0545	1M09W7D	-	0.0463	1M09W7D	-	0.0366
3	825.5 ~ 847.5	2M73G7D	-	0.0553	2M73W7D	-	0.0478	2M73W7D	-	0.0371
5	826.5 ~ 846.5	4M51G7D	-	0.0551	4M51W7D	-	0.0478	4M50W7D	-	0.0373
10	829.0 ~ 844.0	9M11G7D	0.0118	0.0555	9M01W7D	-	0.0485	9M03W7D	-	0.0370
15	831.5 ~ 841.5	13M4G7D	-	0.0566	13M5W7D	-	0.0486	13M4W7D	-	0.0378



LTE Band 38		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2572.5 ~ 2617.5	4M51G7D	-	0.0630	4M50W7D	-	0.0506	4M51W7D	-	0.0385
10	2575.0 ~ 2615.0	9M05G7D	0.0058	0.0625	9M05W7D	-	0.0504	9M03W7D	-	0.0385
15	2577.5 ~ 2612.5	13M4G7D	-	0.0631	13M4W7D	-	0.0508	13M5W7D	-	0.0379
20	2580.0 ~ 2610.0	17M9G7D	-	0.0632	17M9W7D	-	0.0511	17M9W7D	-	0.0385
LTE Band 41		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2498.5 ~ 2687.5	4M51G7D	-	0.0590	4M50W7D	-	0.0553	4M50W7D	-	0.0415
10	2501.0 ~ 2685.0	9M09G7D	0.0046	0.0618	9M07W7D	-	0.0569	9M05W7D	-	0.0421
15	2503.5 ~ 2682.5	13M5G7D	-	0.0625	13M4W7D	-	0.0586	13M4W7D	-	0.0431
20	2506.0 ~ 2680.0	17M9G7D	-	0.0647	17M9W7D	-	0.0526	17M9W7D	-	0.0394
LTE Band 66		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1710.7 ~ 1779.3	-	-	0.1250	-	-	0.1059	-	-	0.0832
3	1711.5 ~ 1778.5	-	-	0.1265	-	-	0.1086	-	-	0.0847
5	1712.5 ~ 1777.5	-	-	0.1256	-	-	0.1081	-	-	0.0955
10	1715.0 ~ 1775.0	-	-	0.1262	-	-	0.1089	-	-	0.1005
15	1717.5 ~ 1772.5	-	-	0.1312	-	-	0.1127	-	-	0.0995
20	1720.0 ~ 1770.0	-	-	0.1337	-	-	0.1156	-	-	0.1012
LTE Band 71		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	665.5 ~ 695.5	4M50G7D	-	0.0446	4M50W7D	-	0.0419	4M50W7D	-	0.0340
10	668.0 ~ 693.0	9M07G7D	0.0216	0.0431	9M03W7D	-	0.0414	9M05W7D	-	0.0333
15	670.5 ~ 690.5	13M5G7D	-	0.0433	13M5W7D	-	0.0408	13M5W7D	-	0.0342
20	673.0 ~ 688.0	17M9G7D	-	0.0453	17M9W7D	-	0.0431	17M9W7D	-	0.0342



<For DFT-S OFDM>

5G NR n5		PI/2 BPSK			QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	826.5 ~ 846.5	4M73F9W	-	0.0925	4M68G7D	-	0.0845	4M68W7D	-	0.0729
10	829.0 ~ 844.0	9M07F9W	-	0.0910	9M05G7D	-	0.0861	9M06W7D	-	0.0741
15	831.5 ~ 841.5	13M5F9W	-	0.0927	13M6G7D	-	0.0923	13M5W7D	-	0.0818
20	834.0 ~ 839.0	17M9F9W	0.0126	0.0979	17M9G7D	-	0.0889	18M0W7D	-	0.0817

5G NR n5		64QAM			256QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	826.5 ~ 846.5	4M72W7D	-	0.0509	4M76W7D	-	0.0314
10	829.0 ~ 844.0	9M07W7D	-	0.0512	9M07W7D	-	0.0315
15	831.5 ~ 841.5	13M5W7D	-	0.0562	13M5W7D	-	0.0352
20	834.0 ~ 839.0	17M9W7D	-	0.0571	17M9W7D	-	0.0344

5G NR n66		PI/2 BPSK			QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	1720.0 ~ 1770.0	4M70F9W	-	0.1114	4M72G7D	-	0.1074	4M72W7D	-	0.0923
10	1717.5 ~ 1772.5	9M07F9W	-	0.1076	9M05G7D	-	0.1030	9M05W7D	-	0.0957
15	1715.0 ~ 1775.0	13M5F9W	-	0.1205	13M5G7D	-	0.1153	13M6W7D	-	0.0995
20	1712.5 ~ 1777.5	17M9F9W	0.0031	0.1135	19M0G7D	-	0.1125	17M9W7D	-	0.0979

5G NR n66		64QAM			256QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	1720.0 ~ 1770.0	4M77W7D	-	0.0653	4M69W7D	-	0.0400
10	1717.5 ~ 1772.5	9M07W7D	-	0.0658	9M07W7D	-	0.0411
15	1715.0 ~ 1775.0	13M5W7D	-	0.0675	13M5W7D	-	0.0428
20	1712.5 ~ 1777.5	17M9W7D	-	0.0659	17M9W7D	-	0.0417



5G NR n71		PI/2 BPSK			QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	665.5 ~ 695.5	4M73F9W	-	0.0861	4M71G7D	-	0.0859	4M72W7D	-	0.0714
10	668.0 ~ 693.0	9M05F9W	-	0.0847	9M03G7D	-	0.0834	9M09W7D	-	0.0718
15	670.5 ~ 690.5	13M5F9W	-	0.0893	13M5G7D	-	0.0887	13M5W7D	-	0.0735
20	673.0 ~ 688.0	17M9F9W	0.0220	0.0881	17M9G7D	-	0.0877	17M9W7D	-	0.0750

5G NR n71		64QAM			256QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	665.5 ~ 695.5	4M73W7D	-	0.0506	4M69W7D	-	0.0321
10	668.0 ~ 693.0	9M03W7D	-	0.0507	9M07W7D	-	0.0309
15	670.5 ~ 690.5	13M5W7D	-	0.0513	13M5W7D	-	0.0324
20	673.0 ~ 688.0	17M9W7D	-	0.0511	17M9W7D	-	0.0325

<For CP OFDM>

5G NR n5		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M65G7D	0.0891	4M67W7D	0.0774
10	829.0 ~ 844.0	9M39G7D	0.0863	9M37W7D	0.0729
15	831.5 ~ 841.5	14M2G7D	0.0887	14M1W7D	0.0807
20	834.0 ~ 839.0	18M9G7D	0.0955	18M9W7D	0.0817

5G NR n5		64QAM		256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	826.5 ~ 846.5	4M63W7D	0.0522	4M64W7D	0.0264
10	829.0 ~ 844.0	9M37W7D	0.0524	9M37W7D	0.0260
15	831.5 ~ 841.5	14M2W7D	0.0561	14M2W7D	0.0270
20	834.0 ~ 839.0	18M9W7D	0.0566	18M9W7D	0.0270



5G NR n66		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	1720.0 ~ 1770.0	4M66G7D	0.0771	4M65W7D	0.0728
10	1717.5 ~ 1772.5	9M41G7D	0.0857	9M35W7D	0.0713
15	1715.0 ~ 1775.0	14M2G7D	0.0851	14M1W7D	0.0767
20	1712.5 ~ 1777.5	17M9G7D	0.0875	19M0W7D	0.0755
5G NR n66		64QAM		256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	1720.0 ~ 1770.0	4M63W7D	0.0586	4M65W7D	0.0256
10	1717.5 ~ 1772.5	9M39W7D	0.0509	9M37W7D	0.0253
15	1715.0 ~ 1775.0	14M2W7D	0.0522	14M2W7D	0.0259
20	1712.5 ~ 1777.5	19M0W7D	0.0514	18M9W7D	0.0258
5G NR n71		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	665.5 ~ 695.5	4M65G7D	0.0656	4M65W7D	0.0581
10	668.0 ~ 693.0	9M41G7D	0.0615	9M39W7D	0.0594
15	670.5 ~ 690.5	14M2G7D	0.0637	14M2W7D	0.0617
20	673.0 ~ 688.0	19M0G7D	0.0653	18M9W7D	0.0577
5G NR n71		64QAM		256QAM	
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	665.5 ~ 695.5	4M66W7D	0.0395	4M69W7D	0.0200
10	668.0 ~ 693.0	9M35W7D	0.0397	9M35W7D	0.0198
15	670.5 ~ 690.5	14M2W7D	0.0407	14M2W7D	0.0207
20	673.0 ~ 688.0	19M0W7D	0.0419	18M9W7D	0.0209

1.4 Modification of EUT

No modifications are made to the EUT during all test items.



1.5 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH05
Test Engineer	Aking Chang
Temperature	24~26 °C
Relative Humidity	54~58 %

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH12 HY
Test Engineer	Chuan Chu
Temperature	22.3~25.3 °C
Relative Humidity	55.7~61.9 %

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW0007



1.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X Plane for Band 26; Y plane for Band 2, 4, 5, n5, 7, 12, 13, 17, 41, 66, n66, 71, n71, and WPC Mode; Z plane for Band 25, 38) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
71	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	
Peak-to-Average Ratio	25					v	v	v	v	v	v		v	v	v	v
	26					v	-	v	v	v	v		v	v	v	v
	38	-	-				v	v	v	v	v		v	v	v	v
	41	-	-				v	v	v	v	v		v	v	v	v
	71						v	v	v	v	v		v	v	v	v



Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	25	v	v	v	v	v	v	v	v	v			v	v	v	v
	26	v	v	v	v	v	-	v	v	v			v	v	v	v
	38	-	-	v	v	v	v	v	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v	v			v	v	v	v
	71	-	-	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	25	v	v	v	v	v	v	v	v	v	v		v	v		v
	26	v	v	v	v	v	-	v	v	v	v		v	v		v
	38	-	-	v	v	v	v	v	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v	v		v	v		v
	71	-	-	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	25	v	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v			v	v	v
	38	-	-	v	v	v	v	v	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v	v			v	v	v
	71	-	-	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	25				v			v					v		v	
	26				v		-	v					v		v	
	38	-	-		v			v					v		v	
	41	-	-		v			v					v		v	
	71	-	-		v			v					v		v	



Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	-	-	v	v	v	v			v	v	v
	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v	v			v	v	v
	13	-	-	v	v	-	-	v	v	v	v			v	v	v
	17	-	-	v	v	-	-	v	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v			v	v	v
	38	-	-	v	v	v	v	v	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v	v			v	v	v
71	-	-	v	v	v	v	v	v	v	v			v	v	v	
Radiated Spurious Emission	2	Worst Case												v		
	4	Worst Case													v	
	5	Worst Case												v		
	7	Worst Case													v	
	12	Worst Case												v		
	13	Worst Case												v		
	17	Worst Case												v		
	25	Worst Case											v	v	v	
	26	Worst Case											v	v	v	
	38	Worst Case											v	v	v	
	41	Worst Case											v	v	v	
	66	Worst Case												v		
71	Worst Case											v	v	v		
Remark	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. All the radiated test cases were performed with Adapter 1 and USB Cable 1. 															



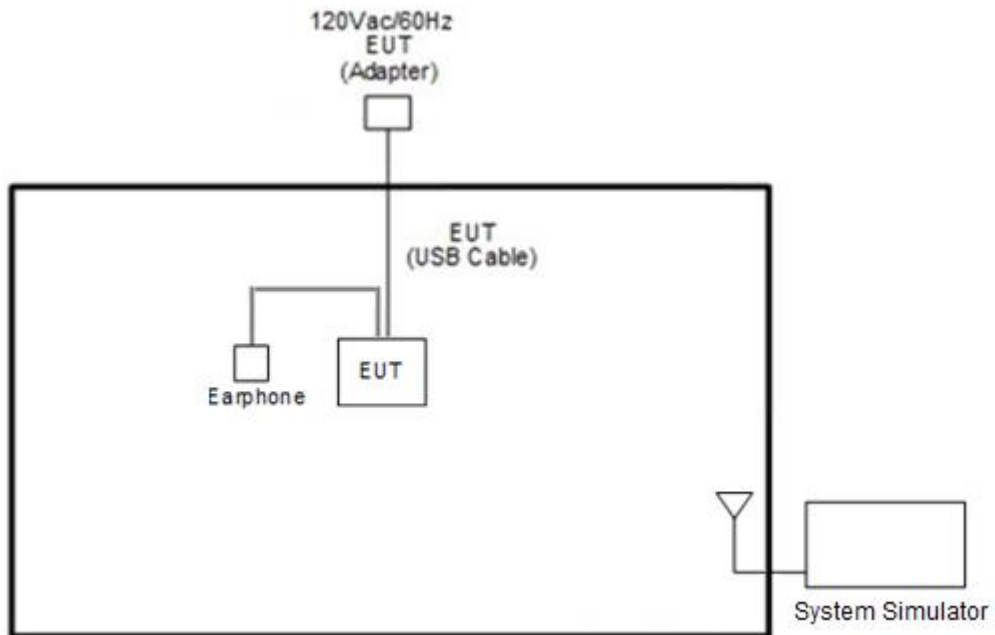
Test Items	NR Band	Bandwidth (MHz)					Modulation					RB #			Test Channel		
		5	10	15	20	40	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n5	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v
	n66	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n5				v	-	v	v	v	v	v	v		v	v	v	v
	n66				v	-	v	v	v	v	v	v		v	v	v	v
	n71				v	-	v	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	n5	v	v	v	v	-	v	v	v	v	v			v	v	v	v
	n66	v	v	v	v	-	v	v	v	v	v			v	v	v	v
	n71	v	v	v	v	-	v	v	v	v	v			v	v	v	v
Conducted Band Edge	n5	v	v	v	v	-	v	v	v	v	v	v		v	v		v
	n66	v	v	v	v	-	v	v	v	v	v	v		v	v		v
	n71	v	v	v	v	-	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	n5	v	v	v	v	-	v	v	v	v	v	v			v	v	v
	n66	v	v	v	v	-	v	v	v	v	v	v			v	v	v
	n71	v	v	v	v	-	v	v	v	v	v	v			v	v	v
E.R.P / E.I.R.P.	n5	v	v	v	v	-	v	v	v	v	v	v			v	v	v
	n66	v	v	v	v	-	v	v	v	v	v	v			v	v	v
	n71	v	v	v	v	-	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	n5	Worst Case												v	v	v	
	n66	Worst Case												v	v	v	
	n71	Worst Case												v	v	v	
Remark	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All the radiated test cases were performed with Adapter 1 and USB Cable 1. 5. Test combination is EN-DC 2A-n5A, EN-DC 2A-n66A, and EN-DC 2A-n71A.																

2.2 Connection Diagram of Test System

<EUT without Accessory>



<EUT with Accessory>





2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133297	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133297	133422
	Frequency	668.0	680.5	693.0
5	Channel	133147	133297	133447
	Frequency	665.5	680.5	695.5



NR Band n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

NR Band n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	342500	349000	355500
	Frequency	1712.5	1745.0	1777.5
15	Channel	343000	349000	355000
	Frequency	1715.0	1745.0	1775.0
10	Channel	343500	349000	354500
	Frequency	1717.5	1745.0	1772.5
5	Channel	344000	349000	354000
	Frequency	1720.0	1745.0	1770.0

NR Band n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673.0	680.5	688.0
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668.0	680.5	693.0
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5

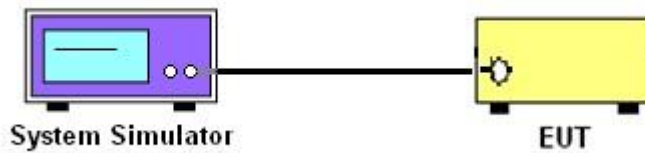
3 Conducted Test Items

3.1 Measuring Instruments

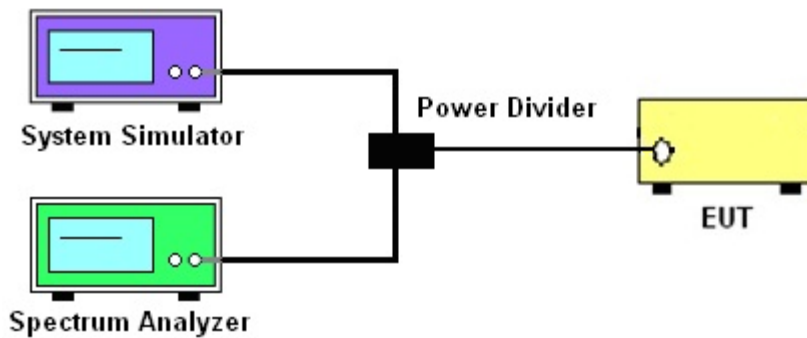
See list of measuring instruments of this test report.

3.1.1 Test Setup

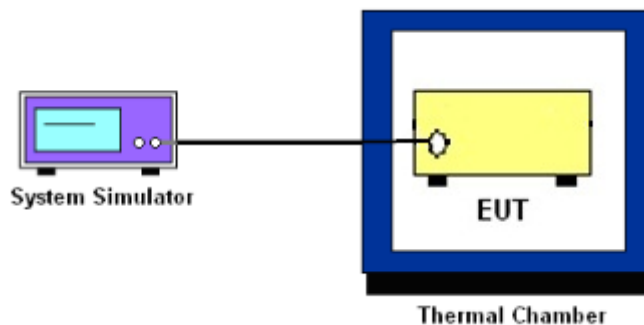
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17 and Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. 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.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

**27.53(m)(4)**

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

The other 40 dB, and 55 dB have additionally applied same calculation above.



3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

For LTE Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
For LTE Band 7, 38, 41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

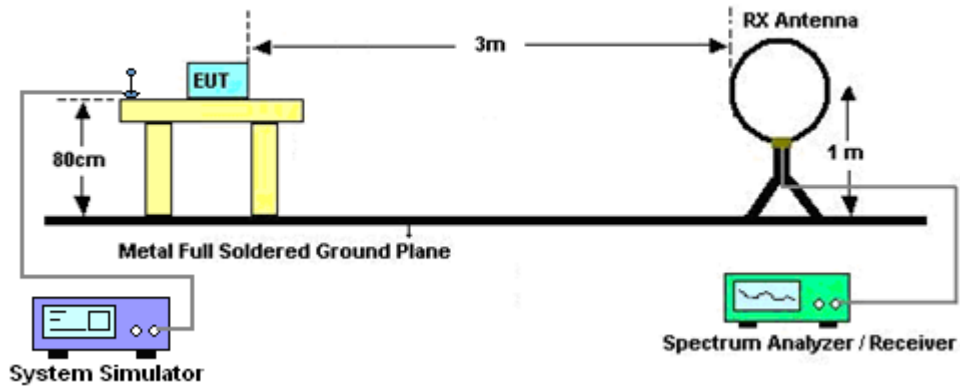
4 Radiated Test Items

4.1 Measuring Instruments

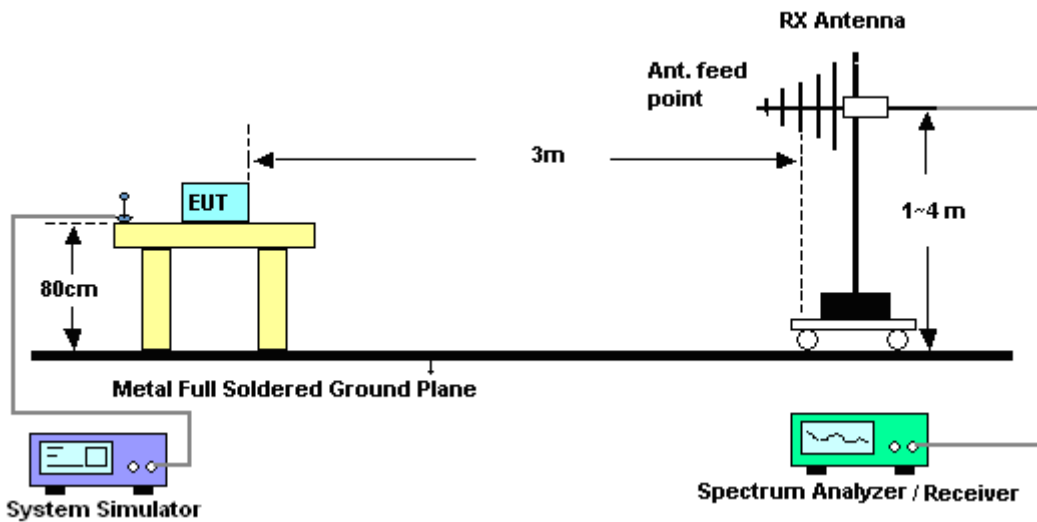
See list of measuring instruments of this test report.

4.1.1 Test Setup

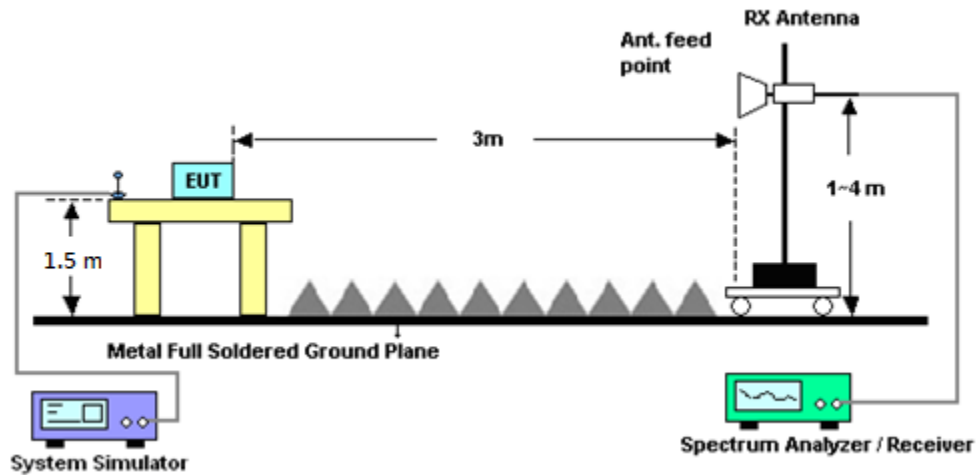
For radiated emissions below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Base Station(Measure)	Anritsu	MT8821C	620166475 5	GSM / GPRS /WCDMA / LTE FDD/TDD with 44) /LTE-3CC DLCA,2CC ULCA	Mar. 03, 2019	Feb. 27, 2020~ Feb. 28, 2020	Mar. 02, 2020	Conducted (TH05-HY)
Radio Communication Analyzer	Anritsu	MT8821C	626204465 7	N/A	Jan. 20, 2020	Feb. 27, 2020~ Mar. 30, 2020	Jan. 19, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV30	101749	10Hz~30GHz	Jan. 10, 2020	Feb. 27, 2020~ Mar. 30, 2020	Jan. 09, 2021	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃~90℃	Sep. 02, 2019	Feb. 27, 2020~ Mar. 30, 2020	Sep. 01, 2020	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 09, 2019	Feb. 27, 2020~ Mar. 30, 2020	Oct. 08, 2020	Conducted (TH05-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#A	1-18GHz	Jan. 03, 2020	Feb. 27, 2020~ Mar. 30, 2020	Jan. 02, 2021	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Dec. 26, 2019	Jan. 28, 2020~ Feb. 27, 2020	Dec. 25, 2020	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 12, 2019	Jan. 28, 2020~ Feb. 02, 2020	Feb. 11, 2020	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	37059 & 01	30MHz~1GHz	Oct. 12, 2019	Feb. 26, 2020~ Feb. 27, 2020	Oct 11, 2020	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Nov. 14, 2019	Jan. 28, 2020~ Feb. 27, 2020	Nov. 13, 2020	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1522	1GHz ~ 18GHz	Sep. 19, 2019	Jan. 28, 2020~ Feb. 27, 2020	Sep. 18, 2020	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz ~ 40GHz	Dec. 10, 2019	Jan. 28, 2020~ Feb. 27, 2020	Dec. 09, 2020	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2019	Jan. 28, 2020~ Feb. 27, 2020	Mar. 24, 2020	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180002	1GHz~18GHz	Aug. 01, 2019	Jan. 28, 2020~ Feb. 27, 2020	Jul. 01, 2020	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Jan. 28, 2020~ Feb. 27, 2020	Dec. 12, 2020	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 27, 2019	Jan. 28, 2020~ Feb. 27, 2020	May 26, 2020	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY53290045	20MHz~8.4GHz	Jan. 18, 2020	Jan. 28, 2020~ Feb. 27, 2020	Jan. 17, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 19, 2019	Jan. 28, 2020~ Feb. 27, 2020	Mar. 18, 2020	Radiation (03CH12-HY)
Signal Generator	Rohde & Schwarz	SMB100A	101107	100kHz~40GHz	Aug. 27, 2019	Jan. 28, 2020~ Feb. 27, 2020	Aug. 26, 2020	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP161243	N/A	May 11, 2019	Jan. 28, 2020~ Feb. 27, 2020	May 10, 2020	Radiation (03CH12-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Notch Filter	Wainwright	WRCG1710/1 755-1690/177 5-45/7SS	SN2	AWS Band	Nov. 05, 2019	Jan. 28, 2020~ Feb. 27, 2020	Nov. 04, 2020	Radiation (03CH12-HY)
Notch Filter	Wainwright	WRCT2500/2 570-10/40-10 SSK	SN1 R	LTE Band 7	Aug. 22, 2019	Jan. 28, 2020~ Feb. 27, 2020	Aug. 21, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-1 2SS	SN2	1.2GHz Low Pass	Mar. 22, 2019	Jan. 28, 2020~ Feb. 27, 2020	Mar. 21, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-108 0-1200-1500- 60ST	SN1	1.2G High Pass	Mar. 19, 2019	Jan. 28, 2020~ Feb. 27, 2020	Mar. 18, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN2	3G High Pass	Jul. 15, 2019	Jan. 28, 2020~ Feb. 27, 2020	Jul. 14, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN2	3G High Pass	Jul. 15, 2019	Jan. 28, 2020~ Feb. 27, 2020	Jul. 14, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	Mar. 13, 2019	Jan. 28, 2020~ Feb. 27, 2020	Mar. 12, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 26, 2019	Jan. 28, 2020~ Feb. 27, 2020	Feb. 25, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Feb. 26, 2019	Jan. 28, 2020~ Feb. 27, 2020	Feb. 25, 2020	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 28, 2020~ Feb. 27, 2020	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1m~4m	N/A	Jan. 28, 2020~ Feb. 27, 2020	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 28, 2020~ Feb. 27, 2020	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-00098 9	N/A	N/A	Jan. 28, 2020~ Feb. 27, 2020	N/A	Radiation (03CH12-HY)



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.24
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.62
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.06
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.98	22.91	22.92
20	1	49		22.90	22.83	22.95
20	1	99		22.80	22.91	22.94
20	50	0		22.08	21.94	22.03
20	50	24		22.07	22.02	22.05
20	50	50		22.05	22.05	22.03
20	100	0		22.07	22.03	22.04
20	1	0	16-QAM	22.30	22.23	22.25
20	1	49		22.24	22.21	22.29
20	1	99		22.16	22.24	22.26
20	50	0		21.01	20.96	21.06
20	50	24		21.08	21.08	21.14
20	50	50		21.05	21.03	21.15
20	100	0		21.07	21.03	21.06
20	1	0	64-QAM	21.20	21.05	21.24
20	1	49		21.09	21.02	21.17
20	1	99		21.06	21.15	21.11
20	50	0		20.02	19.97	20.08
20	50	24		20.13	20.05	20.17
20	50	50		20.07	20.07	20.09
20	100	0		20.09	20.03	20.09
15	1	0	QPSK	22.96	22.91	22.93
15	1	37		22.94	22.86	22.97
15	1	74		22.90	22.88	22.91
15	36	0		22.08	21.95	22.02
15	36	20		22.11	22.02	22.15
15	36	39		22.06	22.03	22.15
15	75	0		22.07	22.04	22.06
15	1	0	16-QAM	22.29	22.25	22.35
15	1	37		22.23	22.23	22.30
15	1	74		22.27	22.19	22.29
15	36	0		21.07	20.95	21.03
15	36	20		21.09	21.03	21.14
15	36	39		21.08	21.03	21.15
15	75	0		21.09	21.08	21.08
15	1	0	64-QAM	21.12	21.14	21.20
15	1	37		21.21	21.12	21.09
15	1	74		21.14	21.09	21.07
15	36	0		20.13	20.01	20.10
15	36	20		19.95	20.07	20.16
15	36	39		20.12	20.09	20.05
15	75	0		20.11	20.05	20.07



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.75	22.64	22.76
10	1	25		22.71	22.62	22.79
10	1	49		22.67	22.65	22.78
10	25	0		21.85	21.70	21.82
10	25	12		21.88	21.81	21.88
10	25	25		21.87	21.82	21.96
10	50	0		21.89	21.82	21.85
10	1	0	16-QAM	22.12	22.00	22.16
10	1	25		22.07	22.03	22.17
10	1	49		22.07	22.08	22.16
10	25	0		20.85	20.72	20.83
10	25	12		20.90	20.83	20.86
10	25	25		20.88	20.83	20.96
10	50	0		20.86	20.81	20.84
10	1	0	64-QAM	21.04	20.86	21.04
10	1	25		21.03	20.95	21.10
10	1	49		20.98	20.99	21.09
10	25	0		19.89	19.74	19.85
10	25	12		19.93	19.84	19.94
10	25	25		19.87	19.85	19.99
10	50	0		19.91	19.85	19.87
5	1	0	QPSK	22.73	22.60	22.79
5	1	12		22.77	22.71	22.86
5	1	24		22.77	22.71	22.83
5	12	0		21.87	21.71	21.90
5	12	7		21.91	21.80	21.95
5	12	13		21.87	21.79	21.91
5	25	0		21.85	21.76	21.91
5	1	0	16-QAM	22.06	21.94	22.09
5	1	12		22.06	21.98	22.12
5	1	24		22.09	22.05	22.15
5	12	0		20.87	20.74	20.89
5	12	7		20.89	20.83	20.95
5	12	13		20.88	20.82	20.93
5	25	0		20.89	20.79	20.93
5	1	0	64-QAM	21.01	20.86	21.04
5	1	12		21.01	20.92	21.07
5	1	24		21.01	20.98	21.08
5	12	0		19.89	19.76	19.95
5	12	7		19.93	19.92	20.02
5	12	13		19.95	19.87	20.02
5	25	0		19.88	19.80	19.92



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.78	22.67	22.78
3	1	8		22.86	22.74	22.86
3	1	14		22.80	22.72	22.82
3	8	0		21.85	21.78	21.87
3	8	4		21.90	21.78	21.95
3	8	7		21.87	21.78	21.92
3	15	0		21.86	21.80	21.89
3	1	0	16-QAM	22.14	21.97	22.07
3	1	8		22.24	22.08	22.24
3	1	14		22.18	22.02	22.18
3	8	0		20.90	20.83	20.94
3	8	4		20.95	20.89	20.97
3	8	7		20.93	20.85	20.96
3	15	0		20.88	20.82	20.93
3	1	0	64-QAM	21.01	20.89	21.04
3	1	8		21.08	20.99	21.11
3	1	14		21.02	20.95	21.07
3	8	0		19.91	19.84	19.96
3	8	4		19.95	19.86	20.00
3	8	7		19.94	19.85	19.98
3	15	0		19.90	19.82	19.94
1.4	1	0	QPSK	22.66	22.58	22.69
1.4	1	3		22.72	22.64	22.79
1.4	1	5		22.67	22.61	22.75
1.4	3	0		22.69	22.65	22.76
1.4	3	1		22.72	22.69	22.78
1.4	3	3		22.70	22.63	22.77
1.4	6	0		21.79	21.69	21.85
1.4	1	0	16-QAM	22.02	21.94	22.06
1.4	1	3		22.10	22.06	22.12
1.4	1	5		22.04	21.99	22.08
1.4	3	0		21.83	21.73	21.83
1.4	3	1		21.87	21.76	21.89
1.4	3	3		21.83	21.75	21.83
1.4	6	0		20.85	20.77	20.90
1.4	1	0	64-QAM	20.95	20.85	20.96
1.4	1	3		20.99	20.92	21.03
1.4	1	5		20.94	20.87	20.98
1.4	3	0		20.95	20.85	20.96
1.4	3	1		20.98	20.87	21.02
1.4	3	3		20.94	20.86	20.97
1.4	6	0		19.81	19.74	19.85



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.15	22.99	23.08
20	1	49		22.97	22.95	23.05
20	1	99		22.90	22.96	23.07
20	50	0		22.16	22.13	22.14
20	50	24		22.14	22.10	22.08
20	50	50		22.05	22.07	22.13
20	100	0		22.11	22.17	22.12
20	1	0	16-QAM	22.42	22.36	22.38
20	1	49		22.36	22.33	22.42
20	1	99		22.25	22.31	22.41
20	50	0		21.19	21.05	21.18
20	50	24		21.13	21.12	21.20
20	50	50		21.07	21.08	21.24
20	100	0		21.12	21.09	21.17
20	1	0	64-QAM	21.26	21.20	21.25
20	1	49		21.21	21.14	21.11
20	1	99		21.13	21.23	20.87
20	50	0		20.20	20.07	20.13
20	50	24		20.18	20.13	19.98
20	50	50		20.10	20.08	19.86
20	100	0		20.13	20.10	19.75
15	1	0	QPSK	23.11	23.00	23.10
15	1	37		23.03	22.94	23.14
15	1	74		23.00	22.94	23.12
15	36	0		22.18	22.12	22.19
15	36	20		22.15	22.11	22.20
15	36	39		22.07	22.05	22.23
15	75	0		22.13	22.07	22.18
15	1	0	16-QAM	22.37	22.32	22.35
15	1	37		22.33	22.29	22.45
15	1	74		22.29	22.24	22.42
15	36	0		21.20	21.14	21.21
15	36	20		21.16	21.10	21.19
15	36	39		21.06	21.06	21.25
15	75	0		21.13	21.09	21.19
15	1	0	64-QAM	21.27	21.26	21.02
15	1	37		21.29	21.23	20.91
15	1	74		21.19	21.22	20.74
15	36	0		20.26	20.18	19.98
15	36	20		20.21	20.14	19.97
15	36	39		20.11	20.08	19.86
15	75	0		20.14	20.10	19.72



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.83	22.70	22.90
10	1	25		22.77	22.69	22.91
10	1	49		22.73	22.74	22.91
10	25	0		21.91	21.85	21.95
10	25	12		21.93	21.89	22.00
10	25	25		21.90	21.87	22.07
10	50	0		21.91	21.87	21.98
10	1	0	16-QAM	22.23	22.10	22.25
10	1	25		22.14	22.07	22.30
10	1	49		22.09	22.08	22.25
10	25	0		20.92	20.87	20.97
10	25	12		20.93	20.90	21.02
10	25	25		20.91	20.90	21.05
10	50	0		20.95	20.88	21.00
10	1	0	64-QAM	21.16	20.97	21.02
10	1	25		21.06	21.06	20.96
10	1	49		21.07	21.02	20.75
10	25	0		19.95	19.90	19.99
10	25	12		19.99	19.93	20.00
10	25	25		19.95	19.91	19.87
10	50	0		19.96	19.90	19.75
5	1	0	QPSK	22.81	22.72	22.94
5	1	12		22.85	22.76	22.98
5	1	24		22.80	22.78	22.99
5	12	0		21.87	21.82	21.97
5	12	7		21.97	21.90	22.05
5	12	13		21.94	21.88	22.04
5	25	0		21.90	21.83	22.02
5	1	0	16-QAM	22.18	22.12	22.21
5	1	12		22.12	22.04	22.21
5	1	24		22.19	22.10	22.23
5	12	0		20.91	20.83	20.99
5	12	7		20.96	20.91	21.05
5	12	13		20.97	20.91	21.06
5	25	0		20.95	20.86	21.03
5	1	0	64-QAM	21.10	21.03	21.06
5	1	12		21.01	20.91	20.93
5	1	24		21.05	20.97	20.76
5	12	0		19.98	19.91	20.03
5	12	7		20.02	19.95	19.98
5	12	13		20.04	19.97	19.84
5	25	0		19.95	19.90	19.74



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.63	22.64	22.89
3	1	8		22.84	22.64	22.92
3	1	14		22.65	22.67	22.88
3	8	0		21.82	21.70	21.89
3	8	4		21.90	21.85	21.89
3	8	7		21.84	21.73	21.93
3	15	0		21.74	21.76	21.96
3	1	0	16-QAM	22.05	22.08	22.07
3	1	8		22.06	21.88	22.19
3	1	14		22.16	22.01	22.20
3	8	0		20.81	20.70	20.87
3	8	4		20.89	20.76	20.90
3	8	7		20.95	20.87	20.93
3	15	0		20.87	20.84	20.96
3	1	0	64-QAM	20.98	20.99	21.00
3	1	8		20.90	20.82	20.84
3	1	14		20.88	20.86	20.65
3	8	0		19.87	19.89	19.92
3	8	4		19.92	19.87	19.85
3	8	7		19.94	19.91	19.74
3	15	0		19.81	19.78	19.65
1.4	1	0	QPSK	23.04	22.98	22.99
1.4	1	3		22.88	22.85	23.08
1.4	1	5		22.83	22.86	22.98
1.4	3	0		22.15	22.00	22.04
1.4	3	1		22.08	22.05	22.15
1.4	3	3		22.04	22.02	22.16
1.4	6	0		22.05	22.00	22.11
1.4	1	0	16-QAM	22.41	22.33	22.37
1.4	1	3		22.36	22.33	22.34
1.4	1	5		22.19	22.30	22.38
1.4	3	0		21.12	21.03	21.08
1.4	3	1		21.08	21.04	21.14
1.4	3	3		21.07	21.06	21.17
1.4	6	0		21.10	21.01	21.15
1.4	1	0	64-QAM	21.25	21.18	21.21
1.4	1	3		21.19	21.08	21.06
1.4	1	5		21.09	21.22	20.87
1.4	3	0		20.19	20.11	20.10
1.4	3	1		20.10	20.13	20.07
1.4	3	3		20.05	20.08	20.02
1.4	6	0		20.10	20.01	19.65



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.12	23.16	23.14
20	1	49		22.96	23.00	22.95
20	1	99		23.00	22.96	22.88
20	50	0		22.14	22.21	22.14
20	50	24		22.20	22.12	22.15
20	50	50		22.11	22.11	22.04
20	100	0		22.14	22.16	22.11
20	1	0	16-QAM	22.46	22.45	22.46
20	1	49		22.33	22.38	22.28
20	1	99		22.37	22.31	22.22
20	50	0		21.19	21.23	21.14
20	50	24		21.19	21.16	21.16
20	50	50		21.10	21.12	21.05
20	100	0		21.17	21.13	21.11
20	1	0	64-QAM	21.97	21.95	21.88
20	1	49		21.77	21.83	21.74
20	1	99		21.69	21.83	21.76
20	50	0		20.75	20.83	20.71
20	50	24		20.76	20.73	20.72
20	50	50		20.69	20.70	20.64
20	100	0		20.77	20.75	20.73
15	1	0	QPSK	23.10	23.14	23.12
15	1	37		22.98	23.00	22.97
15	1	74		22.91	22.95	22.94
15	36	0		22.13	22.21	22.13
15	36	20		22.12	22.13	22.03
15	36	39		22.08	22.11	22.06
15	75	0		22.15	22.12	22.06
15	1	0	16-QAM	22.45	22.49	22.40
15	1	37		22.26	22.33	22.25
15	1	74		22.24	22.33	22.25
15	36	0		21.13	21.20	21.13
15	36	20		21.15	21.12	21.05
15	36	39		21.10	21.13	21.08
15	75	0		21.16	21.13	21.07
15	1	0	64-QAM	21.96	21.95	21.89
15	1	37		21.74	21.86	21.76
15	1	74		21.70	21.85	21.78
15	36	0		20.72	20.80	20.73
15	36	20		20.73	20.70	20.63
15	36	39		20.71	20.73	20.67
15	75	0		20.76	20.73	20.65



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.84	22.95	22.80
10	1	25		22.83	22.89	22.78
10	1	49		22.80	22.86	22.78
10	25	0		21.93	21.92	21.83
10	25	12		21.94	21.94	21.96
10	25	25		21.95	21.99	21.92
10	50	0		21.96	21.92	21.85
10	1	0	16-QAM	22.24	22.33	22.21
10	1	25		22.23	22.28	22.17
10	1	49		22.20	22.25	22.18
10	25	0		20.91	20.89	20.84
10	25	12		20.96	20.95	20.93
10	25	25		20.95	21.01	20.93
10	50	0		20.97	20.93	20.85
10	1	0	64-QAM	21.83	21.87	21.84
10	1	25		21.77	21.89	21.81
10	1	49		21.77	21.87	21.82
10	25	0		20.52	20.51	20.46
10	25	12		20.60	20.55	20.54
10	25	25		20.59	20.59	20.54
10	50	0		20.58	20.54	20.47
5	1	0	QPSK	22.84	22.83	22.80
5	1	12		22.90	22.93	22.80
5	1	24		22.85	22.93	22.83
5	12	0		21.94	21.93	21.91
5	12	7		21.99	21.98	21.92
5	12	13		21.97	22.01	21.94
5	25	0		21.92	21.92	21.88
5	1	0	16-QAM	22.16	22.20	22.13
5	1	12		22.18	22.25	22.15
5	1	24		22.23	22.22	22.17
5	12	0		20.98	20.95	20.89
5	12	7		20.97	20.97	20.97
5	12	13		20.99	21.00	20.92
5	25	0		20.96	20.95	20.89
5	1	0	64-QAM	21.70	21.69	21.67
5	1	12		21.67	21.71	21.59
5	1	24		21.74	21.71	21.63
5	12	0		20.51	20.52	20.47
5	12	7		20.58	20.58	20.55
5	12	13		20.57	20.58	20.49
5	25	0		20.57	20.55	20.49



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.87	22.84	22.78
3	1	8		22.93	22.96	22.84
3	1	14		22.89	22.93	22.80
3	8	0		21.91	21.89	21.87
3	8	4		21.94	21.97	21.88
3	8	7		21.93	22.03	21.90
3	15	0		21.96	21.96	21.90
3	1	0	16-QAM	22.20	22.12	22.10
3	1	8		22.24	22.24	22.21
3	1	14		22.17	22.21	22.12
3	8	0		21.02	21.01	20.97
3	8	4		21.01	20.99	20.98
3	8	7		20.98	21.06	20.94
3	15	0		20.95	20.95	20.95
3	1	0	64-QAM	21.11	21.13	21.05
3	1	8		21.21	21.24	21.15
3	1	14		21.17	21.20	21.08
3	8	0		20.04	20.00	19.93
3	8	4		20.05	20.03	19.97
3	8	7		19.99	20.05	19.97
3	15	0		19.97	19.99	19.95
1.4	1	0	QPSK	22.79	22.81	22.72
1.4	1	3		22.85	22.86	22.80
1.4	1	5		22.77	22.80	22.75
1.4	3	0		22.84	22.84	22.79
1.4	3	1		22.83	22.85	22.79
1.4	3	3		22.81	22.88	22.75
1.4	6	0		21.86	21.92	21.79
1.4	1	0	16-QAM	22.13	22.14	22.01
1.4	1	3		22.17	22.20	22.08
1.4	1	5		22.12	22.14	22.00
1.4	3	0		21.87	21.94	21.83
1.4	3	1		21.92	22.01	21.88
1.4	3	3		21.90	21.94	21.83
1.4	6	0		20.96	20.98	20.91
1.4	1	0	64-QAM	21.02	21.11	20.98
1.4	1	3		21.13	21.18	21.09
1.4	1	5		21.07	21.12	21.02
1.4	3	0		21.00	21.04	20.94
1.4	3	1		21.07	21.07	21.01
1.4	3	3		21.04	21.07	20.96
1.4	6	0		19.90	19.93	19.84



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.90	22.98	23.03
10	1	25		22.81	22.95	22.93
10	1	49		22.93	22.93	22.89
10	25	0		21.96	22.10	22.07
10	25	12		22.05	22.06	22.05
10	25	25		22.05	22.08	22.09
10	50	0		22.04	22.06	22.05
10	1	0	16-QAM	22.25	22.30	22.37
10	1	25		22.26	22.34	22.30
10	1	49		22.29	22.32	22.29
10	25	0		20.95	21.09	21.07
10	25	12		21.06	21.08	21.09
10	25	25		21.03	21.12	21.11
10	50	0		21.05	21.08	21.06
10	1	0	64-QAM	21.15	21.11	21.25
10	1	25		21.22	21.28	21.27
10	1	49		21.22	21.20	21.20
10	25	0		19.95	20.07	20.09
10	25	12		20.08	20.12	20.11
10	25	25		20.07	20.13	20.13
10	50	0		20.06	20.09	20.09
5	1	0	QPSK	22.99	22.99	23.01
5	1	12		22.91	23.00	23.01
5	1	24		22.89	23.00	22.92
5	12	0		22.03	22.06	22.03
5	12	7		22.04	22.08	22.05
5	12	13		21.99	22.09	22.03
5	25	0		22.03	22.03	22.02
5	1	0	16-QAM	22.34	22.36	22.37
5	1	12		22.22	22.34	22.30
5	1	24		22.22	22.33	22.24
5	12	0		21.09	21.13	21.09
5	12	7		21.02	21.07	21.08
5	12	13		20.98	21.09	21.05
5	25	0		21.02	21.03	21.03
5	1	0	64-QAM	21.29	21.29	21.24
5	1	12		21.17	21.26	21.24
5	1	24		21.18	21.29	21.19
5	12	0		20.13	20.15	20.12
5	12	7		20.05	20.12	20.08
5	12	13		20.04	20.14	20.07
5	25	0		20.03	20.09	20.06



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.97	22.99	22.92
3	1	8		22.93	23.03	22.97
3	1	14		22.84	22.94	22.87
3	8	0		22.00	22.06	22.04
3	8	4		22.01	22.08	22.08
3	8	7		21.97	22.04	22.00
3	15	0		21.98	22.03	21.96
3	1	0	16-QAM	22.28	22.33	22.31
3	1	8		22.28	22.39	22.35
3	1	14		22.20	22.28	22.24
3	8	0		21.09	21.13	21.07
3	8	4		21.08	21.11	21.14
3	8	7		21.04	21.10	21.08
3	15	0		21.06	21.05	21.02
3	1	0	64-QAM	21.22	21.20	21.18
3	1	8		21.20	21.32	21.28
3	1	14		21.10	21.22	21.14
3	8	0		20.07	20.14	20.06
3	8	4		20.07	20.12	20.11
3	8	7		20.02	20.17	20.06
3	15	0		20.03	20.08	20.01
1.4	1	0	QPSK	22.89	22.88	22.86
1.4	1	3		22.87	22.97	22.91
1.4	1	5		22.84	22.88	22.86
1.4	3	0		22.90	22.89	22.90
1.4	3	1		22.91	22.91	22.90
1.4	3	3		22.86	22.95	22.88
1.4	6	0		21.97	22.05	21.97
1.4	1	0	16-QAM	21.89	21.92	21.93
1.4	1	3		21.94	22.07	21.91
1.4	1	5		21.86	21.96	21.91
1.4	3	0		21.68	21.72	21.69
1.4	3	1		21.71	21.75	21.73
1.4	3	3		21.64	21.75	21.62
1.4	6	0		20.67	20.65	20.59
1.4	1	0	64-QAM	21.17	21.17	21.15
1.4	1	3		21.18	21.30	21.20
1.4	1	5		21.09	21.18	21.06
1.4	3	0		21.08	21.14	21.10
1.4	3	1		21.14	21.15	21.12
1.4	3	3		21.07	21.14	21.06
1.4	6	0		19.97	20.07	19.95



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.16	23.06	23.16
20	1	49		23.20	23.06	23.22
20	1	99		23.22	23.36	23.34
20	50	0		22.34	22.23	22.26
20	50	24		22.31	22.25	22.33
20	50	50		22.35	22.37	22.34
20	100	0		22.30	22.35	22.34
20	1	0	16-QAM	22.47	22.42	22.52
20	1	49		22.56	22.42	22.54
20	1	99		22.52	22.48	22.65
20	50	0		21.36	21.25	21.30
20	50	24		21.33	21.25	21.36
20	50	50		21.31	21.29	21.43
20	100	0		21.29	21.26	21.33
20	1	0	64-QAM	22.00	21.86	21.95
20	1	49		21.95	21.93	21.84
20	1	99		21.76	22.00	21.88
20	50	0		20.94	20.82	20.90
20	50	24		20.92	20.86	20.96
20	50	50		20.87	20.88	20.85
20	100	0		20.89	20.86	20.92
15	1	0	QPSK	23.19	23.09	23.23
15	1	37		23.17	23.08	23.24
15	1	74		23.25	23.19	23.35
15	36	0		22.35	22.23	22.30
15	36	20		22.38	22.25	22.36
15	36	39		22.29	22.26	22.43
15	75	0		22.28	22.25	22.34
15	1	0	16-QAM	22.52	22.38	22.50
15	1	37		22.53	22.43	22.60
15	1	74		22.52	22.51	22.67
15	36	0		21.38	21.22	21.31
15	36	20		21.39	21.26	21.34
15	36	39		21.30	21.26	21.44
15	75	0		21.31	21.26	21.35
15	1	0	64-QAM	21.97	21.83	21.92
15	1	37		21.85	21.85	21.99
15	1	74		21.56	21.94	21.88
15	36	0		20.91	20.78	20.86
15	36	20		20.95	20.80	20.89
15	36	39		20.85	20.83	21.00
15	75	0		20.83	20.81	20.91



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.93	22.82	22.99
10	1	25		22.90	22.79	22.99
10	1	49		22.96	22.86	23.05
10	25	0		22.11	21.99	22.11
10	25	12		22.17	22.03	22.16
10	25	25		22.17	22.03	22.24
10	50	0		22.16	22.03	22.14
10	1	0	16-QAM	22.30	22.24	22.30
10	1	25		22.30	22.19	22.36
10	1	49		22.32	22.26	22.39
10	25	0		21.13	21.02	21.08
10	25	12		21.18	21.03	21.15
10	25	25		21.16	21.03	21.25
10	50	0		21.13	21.04	21.12
10	1	0	64-QAM	21.86	21.74	21.87
10	1	25		21.83	21.71	21.90
10	1	49		21.93	21.79	21.88
10	25	0		20.69	20.55	20.64
10	25	12		20.72	20.64	20.69
10	25	25		20.71	20.59	20.78
10	50	0		20.70	20.57	20.67
5	1	0	QPSK	22.95	22.86	23.03
5	1	12		22.99	22.90	23.05
5	1	24		23.01	22.88	23.06
5	12	0		22.14	22.02	22.18
5	12	7		22.12	22.05	22.21
5	12	13		22.15	22.04	22.19
5	25	0		22.13	22.00	22.21
5	1	0	16-QAM	22.32	22.22	22.39
5	1	12		22.33	22.21	22.37
5	1	24		22.37	22.27	22.42
5	12	0		21.13	21.03	21.21
5	12	7		21.17	21.02	21.21
5	12	13		21.18	21.03	21.23
5	25	0		21.13	21.02	21.20
5	1	0	64-QAM	21.77	21.66	21.85
5	1	12		21.75	21.65	21.86
5	1	24		21.79	21.72	21.88
5	12	0		20.67	20.56	20.74
5	12	7		20.66	20.58	20.76
5	12	13		20.72	20.57	20.75
5	25	0		20.71	20.57	20.75



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.75	22.89	22.71
10	1	25		22.70	22.72	22.73
10	1	49		22.79	22.83	22.75
10	25	0		21.88	21.92	21.89
10	25	12		21.83	21.88	21.88
10	25	25		21.84	21.85	21.84
10	50	0		21.85	21.87	21.88
10	1	0	16-QAM	22.14	22.08	22.03
10	1	25		22.10	22.11	22.09
10	1	49		22.18	22.20	22.11
10	25	0		20.90	20.91	20.90
10	25	12		20.95	20.89	20.87
10	25	25		20.92	20.94	20.90
10	50	0		20.95	20.89	20.87
10	1	0	64-QAM	21.02	20.96	21.04
10	1	25		21.07	21.06	21.09
10	1	49		21.11	21.09	21.08
10	25	0		19.92	19.90	19.91
10	25	12		20.00	19.94	19.91
10	25	25		19.97	19.96	19.98
10	50	0		20.01	19.95	19.91
5	1	0	QPSK	22.83	22.77	22.70
5	1	12		22.78	22.77	22.82
5	1	24		22.79	22.78	22.79
5	12	0		21.96	21.90	21.89
5	12	7		21.92	21.91	21.90
5	12	13		21.92	21.92	21.87
5	25	0		21.91	21.87	21.87
5	1	0	16-QAM	22.12	22.11	22.04
5	1	12		22.06	22.05	22.10
5	1	24		22.10	22.12	22.12
5	12	0		21.00	20.91	20.89
5	12	7		20.94	20.95	20.93
5	12	13		20.89	20.93	20.91
5	25	0		20.92	20.88	20.87
5	1	0	64-QAM	21.05	21.06	21.00
5	1	12		20.97	21.04	21.08
5	1	24		21.05	21.03	21.01
5	12	0		20.01	19.95	19.99
5	12	7		20.02	19.99	19.97
5	12	13		19.99	19.98	19.97
5	25	0		19.95	19.88	19.92



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.83	22.81	22.83
3	1	8		22.83	22.86	22.84
3	1	14		22.73	22.78	22.77
3	8	0		21.93	21.86	21.86
3	8	4		21.94	21.91	21.94
3	8	7		21.88	21.86	21.90
3	15	0		21.92	21.84	21.83
3	1	0	16-QAM	22.20	22.11	22.11
3	1	8		22.15	22.17	22.15
3	1	14		22.05	22.11	22.06
3	8	0		21.01	20.93	20.96
3	8	4		21.01	21.01	20.99
3	8	7		20.94	20.93	20.95
3	15	0		20.97	20.88	20.91
3	1	0	64-QAM	21.08	21.05	21.02
3	1	8		21.07	21.10	21.08
3	1	14		21.02	21.02	20.99
3	8	0		19.99	19.95	19.95
3	8	4		20.02	19.96	19.99
3	8	7		19.93	19.97	19.97
3	15	0		19.95	19.87	19.91
1.4	1	0	QPSK	22.70	22.69	22.73
1.4	1	3		22.78	22.76	22.75
1.4	1	5		22.66	22.69	22.68
1.4	3	0		22.76	22.67	22.73
1.4	3	1		22.80	22.72	22.74
1.4	3	3		22.73	22.69	22.69
1.4	6	0		21.85	21.86	21.78
1.4	1	0	16-QAM	22.10	22.00	22.07
1.4	1	3		22.11	22.08	22.10
1.4	1	5		22.01	22.02	22.03
1.4	3	0		21.85	21.77	21.81
1.4	3	1		21.87	21.83	21.84
1.4	3	3		21.82	21.80	21.80
1.4	6	0		20.92	20.92	20.90
1.4	1	0	64-QAM	20.99	20.89	20.96
1.4	1	3		21.06	21.03	21.02
1.4	1	5		21.00	20.96	20.94
1.4	3	0		20.95	20.88	20.93
1.4	3	1		20.99	20.91	20.97
1.4	3	3		20.90	20.93	20.90
1.4	6	0		19.88	19.86	19.83



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		22.88	
10	1	25			22.84	
10	1	49			22.79	
10	25	0			21.94	
10	25	12			21.91	
10	25	25			21.88	
10	50	0			21.93	
10	1	0	16-QAM	-	22.12	-
10	1	25			22.12	
10	1	49			22.17	
10	25	0			20.94	
10	25	12			20.93	
10	25	25			20.97	
10	50	0			20.91	
10	1	0	64-QAM		21.11	
10	1	25			21.14	
10	1	49			21.05	
10	25	0			19.95	
10	25	12			19.97	
10	25	25			19.99	
10	50	0			19.97	
5	1	0	QPSK	22.79	22.78	22.80
5	1	12		22.83	22.86	22.82
5	1	24		22.87	22.83	22.80
5	12	0		21.92	21.93	21.90
5	12	7		21.99	21.94	21.97
5	12	13		21.98	21.96	21.89
5	25	0		21.92	21.88	21.93
5	1	0	16-QAM	22.09	22.07	22.12
5	1	12		22.11	22.11	22.10
5	1	24		22.16	22.13	22.13
5	12	0		20.96	20.98	20.94
5	12	7		21.00	20.92	20.96
5	12	13		20.99	20.97	20.96
5	25	0		21.00	20.92	20.94
5	1	0	64-QAM	21.01	21.05	21.02
5	1	12		21.04	21.08	21.09
5	1	24		21.08	21.09	21.10
5	12	0		20.03	20.02	19.95
5	12	7		20.04	19.96	19.99
5	12	13		20.04	19.99	19.96
5	25	0		20.02	19.92	19.98



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.74	22.81	22.64
10	1	25		22.67	22.70	22.67
10	1	49		22.76	22.74	22.73
10	25	0		21.74	21.84	21.81
10	25	12		21.81	21.77	21.76
10	25	25		21.83	21.82	21.82
10	50	0		21.88	21.82	21.81
10	1	0	16-QAM	22.06	22.00	21.97
10	1	25		22.08	22.04	22.06
10	1	49		22.14	22.16	22.11
10	25	0		20.76	20.80	20.79
10	25	12		20.92	20.86	20.84
10	25	25		20.85	20.88	20.90
10	50	0		20.91	20.82	20.81
10	1	0	64-QAM	20.96	20.84	20.88
10	1	25		21.02	21.00	21.02
10	1	49		21.03	21.07	21.01
10	25	0		19.81	19.80	19.83
10	25	12		19.96	19.89	19.89
10	25	25		19.97	19.95	19.96
10	50	0		19.94	19.84	19.84
5	1	0	QPSK	22.68	22.67	22.71
5	1	12		22.77	22.76	22.76
5	1	24		22.79	22.78	22.72
5	12	0		21.84	21.82	21.81
5	12	7		21.91	21.89	21.89
5	12	13		21.91	21.90	21.87
5	25	0		21.88	21.80	21.83
5	1	0	16-QAM	22.02	22.01	22.00
5	1	12		22.07	22.04	22.09
5	1	24		22.12	22.17	22.13
5	12	0		20.88	20.85	20.87
5	12	7		20.91	20.91	20.95
5	12	13		20.93	20.90	20.89
5	25	0		20.91	20.81	20.81
5	1	0	64-QAM	20.98	20.93	20.92
5	1	12		21.02	20.98	21.00
5	1	24		21.09	21.05	21.04
5	12	0		19.90	19.88	19.88
5	12	7		20.00	19.96	19.96
5	12	13		19.98	19.98	19.94
5	25	0		19.93	19.84	19.87



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.06	23.02	23.07
15	1	37		22.97	23.06	23.04
15	1	74		23.04	23.08	22.99
15	36	0		22.15	22.19	22.27
15	36	20		22.20	22.17	22.25
15	36	39		22.22	22.28	22.24
15	75	0		22.19	22.16	22.23
15	1	0	16-QAM	22.37	22.32	22.41
15	1	37		22.30	22.37	22.42
15	1	74		22.35	22.36	22.25
15	36	0		21.14	21.21	21.29
15	36	20		21.18	21.19	21.28
15	36	39		21.23	21.23	21.23
15	75	0		21.21	21.19	21.21
15	1	0	64-QAM	21.24	21.21	21.24
15	1	37		21.24	21.29	21.33
15	1	74		21.25	21.26	21.21
15	36	0		20.17	20.26	20.31
15	36	20		20.22	20.18	20.36
15	36	39		20.28	20.28	20.29
15	75	0		20.20	20.18	20.22
10	1	0	QPSK	22.89	22.85	22.95
10	1	25		22.77	22.87	22.99
10	1	49		22.84	22.93	22.96
10	25	0		21.99	21.96	22.02
10	25	12		21.99	21.99	22.02
10	25	25		21.89	22.00	22.00
10	50	0		21.97	21.96	21.99
10	1	0	16-QAM	22.29	22.20	22.41
10	1	25		22.14	22.23	22.38
10	1	49		22.22	22.32	22.33
10	25	0		20.99	20.96	21.07
10	25	12		20.99	20.97	21.02
10	25	25		20.93	20.98	20.97
10	50	0		20.94	20.93	21.01
10	1	0	64-QAM	21.22	21.05	21.23
10	1	25		21.10	21.17	21.21
10	1	49		21.18	21.23	21.16
10	25	0		20.03	20.02	20.08
10	25	12		20.00	20.01	20.07
10	25	25		19.95	20.03	20.03
10	50	0		20.00	19.99	20.04



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.91	22.85	22.96
5	1	12		22.88	22.92	22.95
5	1	24		22.78	22.91	22.85
5	12	0		22.00	21.99	22.03
5	12	7		22.02	22.03	22.03
5	12	13		21.92	21.97	21.94
5	25	0		21.94	21.96	21.98
5	1	0	16-QAM	22.26	22.18	22.34
5	1	12		22.20	22.25	22.25
5	1	24		22.15	22.23	22.22
5	12	0		21.06	20.98	21.06
5	12	7		21.04	21.05	21.06
5	12	13		20.91	21.00	20.95
5	25	0		20.97	20.95	21.00
5	1	0	64-QAM	21.18	21.15	21.27
5	1	12		21.11	21.21	21.17
5	1	24		21.07	21.22	21.15
5	12	0		20.10	20.07	20.09
5	12	7		20.05	20.09	20.05
5	12	13		20.01	20.05	20.00
5	25	0		19.99	19.99	20.03
3	1	0	QPSK	22.91	22.90	22.98
3	1	8		22.95	22.95	22.98
3	1	14		22.82	22.91	22.87
3	8	0		22.00	21.99	21.99
3	8	4		22.03	22.05	21.96
3	8	7		21.91	21.98	21.94
3	15	0		22.01	21.94	21.97
3	1	0	16-QAM	22.23	22.17	22.28
3	1	8		22.29	22.31	22.34
3	1	14		22.14	22.23	22.20
3	8	0		21.10	21.00	21.04
3	8	4		21.05	21.12	21.06
3	8	7		20.98	21.04	20.98
3	15	0		21.04	21.00	20.99
3	1	0	64-QAM	21.16	21.12	21.20
3	1	8		21.18	21.24	21.20
3	1	14		21.08	21.23	21.08
3	8	0		20.08	20.03	20.09
3	8	4		20.12	20.12	20.08
3	8	7		19.97	20.06	19.98
3	15	0		20.05	19.98	20.03



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.86	22.83	22.81
1.4	1	3		22.91	22.91	22.85
1.4	1	5		22.83	22.83	22.81
1.4	3	0		22.89	22.85	22.85
1.4	3	1		22.90	22.85	22.84
1.4	3	3		22.86	22.84	22.83
1.4	6	0		21.97	21.96	21.91
1.4	1	0	16-QAM	22.17	22.12	22.17
1.4	1	3		22.18	22.21	22.18
1.4	1	5		22.10	22.17	22.14
1.4	3	0		21.97	21.91	21.96
1.4	3	1		22.01	21.98	21.96
1.4	3	3		21.92	21.95	21.89
1.4	6	0		21.02	21.04	20.95
1.4	1	0	64-QAM	21.13	21.04	21.09
1.4	1	3		21.16	21.18	21.16
1.4	1	5		21.06	21.09	21.05
1.4	3	0		21.07	21.02	21.03
1.4	3	1		21.13	21.05	21.11
1.4	3	3		21.06	21.09	21.03
1.4	6	0		19.95	20.01	19.92



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.66	22.93	23.16
20	1	49		22.74	23.16	23.25
20	1	99		22.94	23.24	23.31
20	50	0		21.72	22.15	22.36
20	50	24		21.91	22.27	22.39
20	50	50		22.02	22.36	22.46
20	100	0		21.91	22.25	22.39
20	1	0	16-QAM	21.74	21.99	22.25
20	1	49		21.83	22.22	22.32
20	1	99		22.06	22.38	22.33
20	50	0		20.76	21.19	21.40
20	50	24		20.94	21.28	21.40
20	50	50		21.04	21.38	21.51
20	100	0		20.93	21.27	21.39
20	1	0	64-QAM	20.41	20.67	20.92
20	1	49		20.58	20.96	21.00
20	1	99		20.83	21.10	21.16
20	50	0		19.75	20.21	20.40
20	50	24		19.93	20.31	20.41
20	50	50		20.04	20.39	20.48
20	100	0		19.92	20.28	20.40
15	1	0	QPSK	22.57	22.90	23.13
15	1	37		22.70	23.06	23.23
15	1	74		22.87	23.15	23.30
15	36	0		21.70	22.10	22.32
15	36	20		21.89	22.19	22.36
15	36	39		22.02	22.27	22.42
15	75	0		21.83	22.17	22.37
15	1	0	16-QAM	21.67	21.95	22.17
15	1	37		21.77	22.19	22.23
15	1	74		21.96	22.36	22.25
15	36	0		20.69	21.15	21.30
15	36	20		20.86	21.26	21.30
15	36	39		20.96	21.32	21.51
15	75	0		20.84	21.26	21.35
15	1	0	64-QAM	20.39	20.59	20.82
15	1	37		20.50	20.93	20.96
15	1	74		20.76	21.00	21.09
15	36	0		19.71	20.13	20.32
15	36	20		19.89	20.30	20.38
15	36	39		19.95	20.30	20.45
15	75	0		19.86	20.19	20.40



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.65	22.93	23.12
10	1	25		22.70	23.07	23.17
10	1	49		22.85	23.21	23.26
10	25	0		21.70	22.05	22.26
10	25	12		21.90	22.21	22.29
10	25	25		22.00	22.34	22.36
10	50	0		21.90	22.23	22.36
10	1	0	16-QAM	21.65	21.97	22.19
10	1	25		21.79	22.13	22.24
10	1	49		22.02	22.32	22.25
10	25	0		20.70	21.13	21.33
10	25	12		20.89	21.27	21.33
10	25	25		20.95	21.30	21.51
10	50	0		20.89	21.22	21.37
10	1	0	64-QAM	20.31	20.66	20.82
10	1	25		20.51	20.86	20.91
10	1	49		20.75	21.10	21.16
10	25	0		19.75	20.16	20.39
10	25	12		19.91	20.29	20.40
10	25	25		20.00	20.35	20.44
10	50	0		19.91	20.19	20.38
5	1	0	QPSK	22.64	22.87	23.09
5	1	12		22.74	23.14	23.24
5	1	24		22.88	23.21	23.29
5	12	0		21.68	22.12	22.29
5	12	7		21.90	22.26	22.37
5	12	13		21.94	22.35	22.46
5	25	0		21.82	22.15	22.34
5	1	0	16-QAM	21.72	21.91	22.18
5	1	12		21.81	22.12	22.25
5	1	24		22.05	22.34	22.31
5	12	0		20.74	21.09	21.36
5	12	7		20.86	21.19	21.31
5	12	13		20.99	21.37	21.50
5	25	0		20.86	21.18	21.37
5	1	0	64-QAM	20.39	20.63	20.85
5	1	12		20.55	20.90	20.96
5	1	24		20.75	21.03	21.15
5	12	0		19.65	20.12	20.40
5	12	7		19.92	20.22	20.34
5	12	13		19.94	20.29	20.45
5	25	0		19.89	20.21	20.32



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.13	23.34	23.37
20	1	49		23.16	23.27	23.32
20	1	99		23.17	23.35	23.41
20	50	0		22.21	22.35	22.40
20	50	24		22.31	22.43	22.41
20	50	50		22.32	22.46	22.49
20	100	0		22.31	22.40	22.45
20	1	0	16-QAM	22.25	22.45	22.49
20	1	49		22.24	22.31	22.41
20	1	99		22.30	22.47	22.51
20	50	0		21.24	21.40	21.43
20	50	24		21.33	21.47	21.45
20	50	50		21.31	21.47	21.52
20	100	0		21.32	21.46	21.43
20	1	0	64-QAM	21.18	20.93	21.07
20	1	49		21.18	21.14	21.16
20	1	99		21.11	21.16	21.25
20	50	0		20.22	20.39	20.45
20	50	24		20.35	20.49	20.45
20	50	50		20.33	20.47	20.51
20	100	0		20.35	20.40	20.46
15	1	0	QPSK	23.13	23.25	22.82
15	1	37		23.12	23.24	22.85
15	1	74		23.11	23.26	22.98
15	36	0		22.27	22.35	22.42
15	36	20		22.29	22.43	22.47
15	36	39		22.26	22.42	22.49
15	75	0		22.32	22.44	22.43
15	1	0	16-QAM	22.75	22.86	22.94
15	1	37		22.67	22.80	22.84
15	1	74		22.83	22.98	22.78
15	36	0		21.74	21.82	21.89
15	36	20		21.78	21.88	21.96
15	36	39		21.75	21.89	21.96
15	75	0		21.85	21.95	21.94
15	1	0	64-QAM	21.25	21.30	21.55
15	1	37		21.56	21.12	21.61
15	1	74		21.64	21.29	21.44
15	36	0		20.81	20.53	20.93
15	36	20		20.83	20.55	20.96
15	36	39		20.79	20.57	20.68
15	75	0		20.84	20.43	20.91



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.97	23.10	23.17
10	1	25		22.98	23.05	23.21
10	1	49		22.99	23.02	23.19
10	25	0		22.56	22.86	22.76
10	25	12		22.58	22.79	22.77
10	25	25		22.57	22.76	22.85
10	50	0		22.57	22.71	22.76
10	1	0	16-QAM	22.58	22.68	22.85
10	1	25		22.61	22.65	22.84
10	1	49		22.58	22.67	22.84
10	25	0		21.92	21.63	21.74
10	25	12		21.88	21.73	21.76
10	25	25		21.77	21.69	21.81
10	50	0		21.56	21.65	21.80
10	1	0	64-QAM	21.30	20.74	21.46
10	1	25		21.54	20.62	21.20
10	1	49		21.47	20.56	20.99
10	25	0		20.65	20.50	20.75
10	25	12		20.67	20.54	20.70
10	25	25		20.63	20.52	20.45
10	50	0		20.66	20.41	20.49
5	1	0	QPSK	22.95	22.96	22.95
5	1	12		22.94	23.01	22.96
5	1	24		22.98	22.96	23.00
5	12	0		22.56	22.62	22.61
5	12	7		22.60	22.66	22.65
5	12	13		22.58	22.63	22.63
5	25	0		22.55	22.61	22.59
5	1	0	16-QAM	22.63	22.62	22.58
5	1	12		22.57	22.69	22.73
5	1	24		22.69	22.71	22.71
5	12	0		21.55	21.61	21.58
5	12	7		21.58	21.64	21.66
5	12	13		21.56	21.61	21.62
5	25	0		21.59	21.66	21.66
5	1	0	64-QAM	21.37	21.28	21.33
5	1	12		21.41	21.21	21.44
5	1	24		21.48	21.18	21.41
5	12	0		20.63	20.58	20.67
5	12	7		20.62	20.61	20.68
5	12	13		20.62	20.59	20.68
5	25	0		20.61	20.54	20.67



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.16	23.16	23.05
20	1	49		23.01	23.05	22.89
20	1	99		22.98	22.96	22.74
20	50	0		22.13	22.14	22.04
20	50	24		22.09	22.11	22.01
20	50	50		22.12	22.12	21.94
20	100	0		22.07	22.09	22.03
20	1	0	16-QAM	22.49	22.53	22.42
20	1	49		22.41	22.43	22.27
20	1	99		22.31	22.33	22.15
20	50	0		21.15	21.15	21.03
20	50	24		21.22	21.15	21.06
20	50	50		21.16	21.14	20.96
20	100	0		21.16	21.09	21.03
20	1	0	64-QAM	21.93	21.95	21.94
20	1	49		21.84	21.91	21.77
20	1	99		21.75	21.86	21.65
20	50	0		20.71	20.75	20.63
20	50	24		20.79	20.73	20.65
20	50	50		20.73	20.73	20.56
20	100	0		20.77	20.68	20.63
15	1	0	QPSK	23.07	23.08	23.00
15	1	37		23.03	23.05	22.89
15	1	74		23.04	22.99	22.79
15	36	0		22.10	22.12	21.95
15	36	20		22.17	22.11	21.94
15	36	39		22.13	22.12	21.92
15	75	0		22.17	22.09	21.91
15	1	0	16-QAM	22.38	22.42	22.34
15	1	37		22.38	22.35	22.19
15	1	74		22.32	22.35	22.13
15	36	0		21.11	21.13	21.00
15	36	20		21.19	21.13	20.95
15	36	39		21.12	21.12	20.95
15	75	0		21.16	21.10	20.93
15	1	0	64-QAM	21.88	21.87	21.80
15	1	37		21.86	21.87	21.67
15	1	74		21.78	21.86	21.60
15	36	0		20.70	20.73	20.57
15	36	20		20.79	20.73	20.55
15	36	39		20.74	20.74	20.55
15	75	0		20.77	20.70	20.54



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.91	22.85	22.70
10	1	25		22.79	22.82	22.61
10	1	49		22.78	22.76	22.58
10	25	0		21.99	21.89	21.72
10	25	12		21.97	21.88	21.77
10	25	25		21.92	21.90	21.71
10	50	0		21.96	21.87	21.68
10	1	0	16-QAM	22.27	22.26	22.08
10	1	25		22.21	22.18	22.02
10	1	49		22.14	22.12	21.92
10	25	0		20.98	20.91	20.73
10	25	12		20.98	20.89	20.78
10	25	25		20.94	20.94	20.70
10	50	0		20.98	20.88	20.68
10	1	0	64-QAM	21.92	21.82	21.67
10	1	25		21.82	21.78	21.63
10	1	49		21.82	21.74	21.60
10	25	0		20.58	20.50	20.33
10	25	12		20.59	20.50	20.41
10	25	25		20.55	20.51	20.26
10	50	0		20.54	20.43	20.26
5	1	0	QPSK	22.89	22.79	22.66
5	1	12		22.89	22.89	22.68
5	1	24		22.81	22.80	22.59
5	12	0		21.94	21.88	21.77
5	12	7		22.02	21.94	21.77
5	12	13		21.92	21.90	21.70
5	25	0		21.94	21.87	21.71
5	1	0	16-QAM	22.24	22.14	22.00
5	1	12		22.21	22.20	21.97
5	1	24		22.15	22.15	21.95
5	12	0		20.98	20.93	20.76
5	12	7		21.03	20.97	20.77
5	12	13		20.94	20.95	20.69
5	25	0		20.98	20.91	20.72
5	1	0	64-QAM	21.70	21.63	21.52
5	1	12		21.67	21.66	21.42
5	1	24		21.68	21.66	21.39
5	12	0		20.56	20.52	20.33
5	12	7		20.60	20.54	20.34
5	12	13		20.52	20.52	20.30
5	25	0		20.57	20.50	20.34



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.88	22.79	22.64
3	1	8		22.92	22.87	22.71
3	1	14		22.81	22.78	22.62
3	8	0		21.95	21.87	21.70
3	8	4		21.98	21.94	21.74
3	8	7		21.94	21.93	21.65
3	15	0		21.94	21.86	21.67
3	1	0	16-QAM	22.21	22.13	21.94
3	1	8		22.24	22.26	22.04
3	1	14		22.14	22.16	21.97
3	8	0		20.99	20.93	20.75
3	8	4		20.99	21.02	20.76
3	8	7		20.97	20.96	20.76
3	15	0		21.01	20.89	20.78
3	1	0	64-QAM	21.11	21.14	20.88
3	1	8		21.18	21.16	20.96
3	1	14		21.10	21.12	20.82
3	8	0		20.02	19.94	19.79
3	8	4		20.02	19.98	19.80
3	8	7		19.97	19.99	19.74
3	15	0		19.96	19.92	19.72
1.4	1	0	QPSK	22.79	22.74	22.52
1.4	1	3		22.84	22.79	22.61
1.4	1	5		22.74	22.76	22.51
1.4	3	0		22.82	22.80	22.62
1.4	3	1		22.87	22.81	22.61
1.4	3	3		22.83	22.78	22.55
1.4	6	0		21.89	21.85	21.65
1.4	1	0	16-QAM	22.11	22.08	21.85
1.4	1	3		22.14	22.15	21.97
1.4	1	5		22.09	22.09	21.87
1.4	3	0		21.93	21.90	21.68
1.4	3	1		21.97	21.93	21.68
1.4	3	3		21.90	21.88	21.66
1.4	6	0		20.92	20.93	20.71
1.4	1	0	64-QAM	21.09	21.05	20.82
1.4	1	3		21.10	21.09	20.89
1.4	1	5		21.06	21.01	20.78
1.4	3	0		21.04	21.02	20.81
1.4	3	1		21.07	21.05	20.84
1.4	3	3		21.04	20.97	20.77
1.4	6	0		19.91	19.89	19.66



LTE Band 71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.11	23.21	23.00
20	1	49		23.01	22.99	22.95
20	1	99		22.84	22.88	22.87
20	50	0		22.87	22.76	22.70
20	50	24		22.86	22.75	22.74
20	50	50		22.75	22.68	22.66
20	100	0		22.82	22.71	22.73
20	1	0	16-QAM	22.88	22.99	22.99
20	1	49		22.76	22.75	22.95
20	1	99		22.92	22.88	22.85
20	50	0		21.91	21.81	21.80
20	50	24		21.99	21.78	21.90
20	50	50		21.94	21.90	21.76
20	100	0		21.74	21.73	21.79
20	1	0	64-QAM	21.93	21.89	21.86
20	1	49		21.99	21.98	21.91
20	1	99		21.91	21.84	21.86
20	50	0		20.93	20.87	20.79
20	50	24		20.81	20.78	20.91
20	50	50		20.97	20.83	20.81
20	100	0		20.99	20.86	20.83
15	1	0	QPSK	22.59	22.78	23.01
15	1	37		22.88	22.97	22.73
15	1	74		23.00	22.76	22.78
15	36	0		22.92	22.75	22.77
15	36	20		22.81	22.61	22.73
15	36	39		22.74	22.73	22.82
15	75	0		22.55	22.46	22.63
15	1	0	16-QAM	22.61	22.72	22.70
15	1	37		22.53	22.43	22.49
15	1	74		22.50	22.76	22.34
15	36	0		21.84	21.73	21.85
15	36	20		21.71	21.86	21.88
15	36	39		21.78	21.83	21.73
15	75	0		21.65	21.92	21.80
15	1	0	64-QAM	21.88	21.97	21.93
15	1	37		21.99	21.54	21.85
15	1	74		21.81	21.41	21.82
15	36	0		20.89	20.88	20.62
15	36	20		20.83	20.67	20.95
15	36	39		20.82	20.90	20.74
15	75	0		20.55	20.96	20.71



LTE Band 71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.43	22.94	22.99
10	1	25		22.85	22.91	22.69
10	1	49		22.97	22.53	22.72
10	25	0		22.71	22.89	22.92
10	25	12		22.94	22.47	22.86
10	25	25		22.87	22.59	22.90
10	50	0		22.62	22.35	22.53
10	1	0	16-QAM	22.82	22.55	22.48
10	1	25		22.62	22.38	22.52
10	1	49		22.47	22.79	22.58
10	25	0		21.76	21.84	21.88
10	25	12		21.54	21.90	21.95
10	25	25		21.63	21.84	21.72
10	50	0		21.31	21.98	21.76
10	1	0	64-QAM	21.81	21.76	21.77
10	1	25		21.62	21.81	21.82
10	1	49		21.87	21.83	21.79
10	25	0		20.65	20.71	20.73
10	25	12		20.87	20.86	20.61
10	25	25		20.54	20.66	20.67
10	50	0		20.85	20.78	20.71
5	1	0	QPSK	22.38	22.80	23.14
5	1	12		22.96	22.70	22.83
5	1	24		23.08	22.47	22.59
5	12	0		22.88	22.90	22.51
5	12	7		22.81	22.48	22.95
5	12	13		22.69	22.28	22.38
5	25	0		22.52	21.75	22.30
5	1	0	16-QAM	22.56	22.48	22.44
5	1	12		22.87	22.24	22.56
5	1	24		22.32	22.86	22.42
5	12	0		21.49	21.58	21.89
5	12	7		21.42	21.78	21.94
5	12	13		21.77	21.83	21.70
5	25	0		21.52	21.55	21.91
5	1	0	64-QAM	21.61	21.66	21.49
5	1	12		21.85	21.80	21.82
5	1	24		21.95	21.96	21.81
5	12	0		20.72	20.77	20.82
5	12	7		20.70	20.60	20.21
5	12	13		20.54	20.84	20.83
5	25	0		20.89	20.63	20.79



LTE Band 2 Maximum Average Power [dBm]				
BW [MHz]	RB Size	RB Offset	Mod	Middle
5	25	0	QPSK	0.2

EN-DC 2A-n5A Maximum Average Power [dBm]
23.22

NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	1	QPSK	22.90	22.86	22.64
5	1	23		22.49	22.85	22.07
5	13	6		22.57	22.36	22.28
5	1	0		21.35	21.27	21.01
5	1	24		21.18	21.11	20.75
5	25	0		21.02	20.96	20.69
5	1	1	16-QAM	22.29	22.04	21.84
5	1	23		22.10	22.03	21.92
5	13	6		22.01	21.77	21.61
5	1	0		21.30	21.12	20.79
5	1	24		21.03	20.96	20.73
5	25	0		21.17	21.01	20.72
5	1	1	64-QAM	20.45	20.35	19.98
5	1	23		20.22	20.15	19.92
5	13	6		20.58	20.51	20.11
5	1	0		20.48	20.21	20.01
5	1	24		20.22	20.15	19.90
5	25	0		20.53	20.41	20.13
5	1	1	256-QAM	17.05	16.97	16.70
5	1	23		16.96	16.77	16.43
5	13	6		17.62	17.48	17.15
5	1	0		16.97	16.93	16.61
5	1	24		16.99	16.66	16.43
5	25	0		17.54	17.46	17.17



NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	1	QPSK	22.76	22.34	22.17
10	1	50		21.98	22.14	22.34
10	26	13		22.17	22.03	22.23
10	1	0		21.46	20.89	21.01
10	1	51		21.27	21.06	22.66
10	52	0		21.08	20.88	20.65
10	1	1	16-QAM	21.79	22.03	21.75
10	1	50		21.45	21.82	21.60
10	26	13		21.75	21.93	21.71
10	1	0		20.62	20.95	20.74
10	1	51		20.44	20.79	20.69
10	52	0		20.88	20.76	20.67
10	1	1	64-QAM	20.54	20.14	20.01
10	1	50		20.33	20.01	19.85
10	26	13		20.59	20.41	20.22
10	1	0		20.57	20.16	19.92
10	1	51		20.38	20.09	19.85
10	52	0		20.50	20.38	20.16
10	1	1	256-QAM	17.03	16.77	16.48
10	1	50		16.82	16.66	16.43
10	26	13		17.55	17.41	17.17
10	1	0		16.90	16.80	16.53
10	1	51		16.70	16.62	16.32
10	52	0		17.53	17.40	17.20



NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	1	QPSK	22.88	22.75	22.87
15	1	77		22.77	22.80	22.65
15	39	19		22.62	22.54	22.39
15	1	0		21.65	21.60	21.31
15	1	78		21.35	21.34	21.18
15	79	0		21.11	21.08	20.97
15	1	1	16-QAM	22.47	22.40	22.08
15	1	77		22.03	22.02	21.86
15	39	19		22.17	22.13	21.95
15	1	0		21.48	21.31	21.03
15	1	78		21.21	21.18	20.98
15	79	0		21.21	21.17	20.93
15	1	1	64-QAM	20.89	20.66	20.43
15	1	77		20.61	20.46	20.20
15	39	19		20.74	20.77	20.51
15	1	0		20.82	20.61	20.33
15	1	78		20.57	20.45	20.30
15	79	0		20.74	20.62	20.41
15	1	1	256-QAM	17.20	17.26	16.89
15	1	77		17.02	16.96	16.79
15	39	19		17.72	17.64	17.33
15	1	0		17.24	17.27	16.93
15	1	78		16.92	16.97	16.73
15	79	0		17.70	17.66	17.46



NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	QPSK	22.92	23.20	22.95
20	1	104		22.56	22.86	22.67
20	53	26		22.55	22.60	22.54
20	1	0		21.43	21.55	21.37
20	1	105		21.25	21.23	21.17
20	106	0		21.15	21.17	21.06
20	1	1	16-QAM	21.91	22.35	22.19
20	1	104		21.52	22.14	21.94
20	53	26		22.02	22.15	22.01
20	1	0		21.44	21.38	21.18
20	1	105		22.52	21.08	20.89
20	106	0		21.13	21.14	20.90
20	1	1	64-QAM	20.90	20.67	20.51
20	1	104		20.50	20.25	20.33
20	53	26		20.61	20.61	20.48
20	1	0		20.93	20.57	20.42
20	1	105		20.52	20.41	20.29
20	106	0		20.65	20.72	20.47
20	1	1	256-QAM	17.18	17.17	17.02
20	1	104		16.89	16.90	16.70
20	53	26		17.68	17.70	17.55
20	1	0		17.17	17.16	17.02
20	1	105		16.96	16.87	16.73
20	106	0		17.72	17.64	17.55



LTE Band 2 Maximum Average Power [dBm]				
BW [MHz]	RB Size	RB Offset	Mod	Middle
5	25	0	QPSK	0.27

EN-DC 2A-n66A Maximum Average Power [dBm]
21.35

NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	1	QPSK	20.28	20.60	20.77
5	1	23		20.18	20.61	20.67
5	13	6		20.26	20.60	20.47
5	1	0		18.76	19.19	19.51
5	1	24		18.72	19.05	19.54
5	25	0		18.63	19.18	19.34
5	1	1	16-QAM	19.87	20.24	20.45
5	1	23		19.81	20.10	20.52
5	13	6		19.86	19.21	20.45
5	1	0		19.04	19.03	19.49
5	1	24		18.99	19.94	19.44
5	25	0		18.87	19.20	19.39
5	1	1	64-QAM	18.21	18.59	18.60
5	1	23		18.08	18.42	18.67
5	13	6		18.30	18.50	18.95
5	1	0		18.14	18.50	18.54
5	1	24		18.17	18.65	19.58
5	25	0		18.28	18.70	18.97
5	1	1	256-QAM	15.22	15.53	15.32
5	1	23		15.13	15.39	15.47
5	13	6		15.37	15.81	15.98
5	1	0		15.14	15.49	15.23
5	1	24		15.21	15.37	15.39
5	25	0		15.35	15.63	15.90



NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	1	QPSK	20.79	21.05	21.23
10	1	50		20.22	20.28	21.18
10	26	13		20.29	20.73	21.14
10	1	0		19.26	19.23	19.35
10	1	51		19.21	19.31	19.59
10	52	0		18.75	19.05	19.29
10	1	1	16-QAM	19.97	20.37	20.42
10	1	50		19.82	20.01	20.19
10	26	13		19.90	20.22	20.43
10	1	0		18.91	19.26	19.50
10	1	51		18.95	19.04	19.27
10	52	0		18.78	19.14	19.50
10	1	1	64-QAM	18.17	18.54	18.63
10	1	50		18.07	18.29	18.38
10	26	13		18.34	18.69	18.97
10	1	0		18.10	18.44	18.52
10	1	51		18.15	18.27	18.34
10	52	0		18.40	18.57	18.95
10	1	1	256-QAM	14.81	15.23	15.32
10	1	50		14.83	14.89	15.18
10	26	13		15.31	15.70	15.93
10	1	0		14.82	15.23	15.27
10	1	51		14.65	14.85	15.21
10	52	0		15.39	15.72	15.93



NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	1	QPSK	20.76	21.20	20.99
15	1	77		20.79	20.96	20.03
15	39	19		20.76	20.88	20.59
15	1	0		19.13	19.62	19.68
15	1	78		19.66	21.16	19.77
15	79	0		19.20	19.21	19.40
15	1	1	16-QAM	19.92	20.65	20.49
15	1	77		20.03	20.18	20.75
15	39	19		20.26	20.42	20.32
15	1	0		18.91	19.57	19.45
15	1	78		19.25	20.39	19.74
15	79	0		19.17	19.23	19.54
15	1	1	64-QAM	18.58	18.87	18.64
15	1	77		18.82	18.63	18.87
15	39	19		18.80	18.93	19.08
15	1	0		18.75	18.74	18.63
15	1	78		18.80	18.75	18.99
15	79	0		18.72	18.92	19.08
15	1	1	256-QAM	14.93	15.59	15.39
15	1	77		15.49	15.16	15.63
15	39	19		15.70	15.77	15.94
15	1	0		14.85	15.58	15.36
15	1	78		15.52	15.35	15.58
15	79	0		15.78	15.93	16.03



NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	QPSK	20.46	21.32	21.03
20	1	104		20.91	20.84	21.04
20	53	26		20.42	20.93	20.95
20	1	0		19.20	19.86	19.51
20	1	105		19.40	19.42	19.79
20	106	0		19.02	19.45	19.46
20	1	1	16-QAM	20.11	20.68	20.47
20	1	104		20.16	20.18	20.62
20	53	26		19.89	20.30	20.22
20	1	0		19.03	19.59	19.36
20	1	105		19.17	19.23	19.76
20	106	0		18.90	19.35	19.43
20	1	1	64-QAM	18.22	18.78	18.57
20	1	104		18.32	18.40	19.01
20	53	26		18.45	18.87	18.93
20	1	0		18.14	18.76	18.52
20	1	105		18.33	18.38	18.87
20	106	0		18.52	18.95	18.89
20	1	1	256-QAM	14.95	15.63	15.32
20	1	104		15.16	15.11	15.50
20	53	26		15.45	15.86	15.95
20	1	0		14.89	15.50	15.29
20	1	105		15.23	15.09	15.62
20	106	0		15.48	15.93	16.02



LTE Band 2 Maximum Average Power [dBm]				
BW [MHz]	RB Size	RB Offset	Mod	Middle
5	25	0	QPSK	3.12

EN-DC 2A-n71A Maximum Average Power [dBm]
22.72

NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	1	QPSK	22.51	22.67	22.38
5	1	23		22.44	22.43	22.40
5	13	6		22.17	22.04	21.94
5	1	0		20.97	21.08	20.74
5	1	24		20.80	20.89	20.55
5	25	0		20.85	20.73	20.58
5	1	1	16-QAM	22.14	22.00	21.75
5	1	23		22.00	21.78	21.54
5	13	6		21.79	21.72	21.47
5	1	0		21.14	21.04	20.84
5	1	24		20.96	20.79	20.59
5	25	0		20.98	20.84	20.73
5	1	1	64-QAM	20.35	20.14	20.25
5	1	23		20.18	19.97	20.08
5	13	6		20.47	20.32	20.20
5	1	0		20.33	20.17	20.27
5	1	24		20.10	19.91	20.03
5	25	0		20.44	20.30	20.13
5	1	1	256-QAM	16.98	16.88	16.88
5	1	23		16.89	16.73	16.68
5	13	6		17.51	17.36	17.24
5	1	0		16.93	16.80	16.80
5	1	24		16.79	16.63	16.60
5	25	0		17.40	17.28	17.20



NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	1	QPSK	22.34	22.01	22.39
10	1	50		22.19	22.02	22.09
10	26	13		22.31	22.35	22.33
10	1	0		20.94	20.60	20.80
10	1	51		20.70	20.69	20.49
10	52	0		20.90	20.78	20.67
10	1	1	16-QAM	22.24	21.82	22.16
10	1	50		22.13	21.79	21.97
10	26	13		21.99	21.89	21.80
10	1	0		20.70	20.83	21.18
10	1	51		21.02	21.06	20.91
10	52	0		20.88	20.71	20.56
10	1	1	64-QAM	20.29	20.24	20.07
10	1	50		20.22	20.19	19.87
10	26	13		20.41	20.35	20.27
10	1	0		20.22	20.08	20.03
10	1	51		20.19	20.17	19.98
10	52	0		20.49	20.36	20.27
10	1	1	256-QAM	17.26	17.16	17.19
10	1	50		17.13	17.14	17.02
10	26	13		17.46	17.29	17.25
10	1	0		17.31	17.16	17.22
10	1	51		17.07	17.17	16.94
10	52	0		17.46	17.28	17.25



NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	1	QPSK	22.54	22.45	22.50
15	1	77		22.17	22.46	22.03
15	39	19		22.42	22.38	22.42
15	1	0		21.01	20.89	21.09
15	1	78		21.01	21.00	20.72
15	79	0		21.00	20.99	20.89
15	1	1	16-QAM	22.40	22.32	22.38
15	1	77		22.11	21.98	21.97
15	39	19		22.01	21.29	21.95
15	1	0		21.30	21.31	21.07
15	1	78		21.29	21.13	21.01
15	79	0		21.02	21.02	20.94
15	1	1	64-QAM	20.57	20.36	20.39
15	1	77		20.30	20.46	20.14
15	39	19		20.60	20.42	20.52
15	1	0		20.58	20.37	20.42
15	1	78		20.42	20.31	20.19
15	79	0		20.57	20.56	20.42
15	1	1	256-QAM	17.55	17.40	17.44
15	1	77		17.44	17.44	17.13
15	39	19		17.59	17.49	17.48
15	1	0		17.61	17.43	17.39
15	1	78		17.44	17.50	17.17
15	79	0		17.67	17.51	17.45



NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	QPSK	22.44	22.51	22.65
20	1	104		22.21	22.36	22.24
20	53	26		22.47	22.62	22.55
20	1	0		21.01	20.97	21.02
20	1	105		21.06	20.98	21.08
20	106	0		21.01	21.08	21.12
20	1	1	16-QAM	22.05	22.11	22.10
20	1	104		21.97	22.03	22.03
20	53	26		21.89	22.02	21.97
20	1	0		21.08	21.31	21.06
20	1	105		21.08	21.10	21.24
20	106	0		21.04	21.08	21.02
20	1	1	64-QAM	20.42	20.37	20.44
20	1	104		20.35	20.32	20.17
20	53	26		20.57	20.66	20.72
20	1	0		20.47	20.49	20.36
20	1	105		20.51	20.52	20.36
20	106	0		20.52	20.58	20.69
20	1	1	256-QAM	17.42	17.34	17.53
20	1	104		17.50	17.35	17.19
20	53	26		17.47	17.54	17.65
20	1	0		17.41	17.38	17.40
20	1	105		17.60	17.48	17.31
20	106	0		17.55	17.52	17.70



LTE Band 2 Maximum Average Power [dBm]				
BW [MHz]	RB Size	RB Offset	Mod	Middle
5	25	0	QPSK	3.05

EN-DC 2A-n5A Maximum Average Power [dBm]	
23.35	

NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	1	PI/2 BPSK	23.06	22.88	22.54
5	1	23		22.80	22.80	22.42
5	12	6		22.87	22.79	22.50
5	1	0		22.57	22.62	22.14
5	1	24		22.43	22.42	22.10
5	25	0		22.55	22.46	22.12
5	1	1	QPSK	22.67	22.49	22.25
5	1	23		22.55	22.37	22.14
5	12	6		22.67	22.44	21.47
5	1	0		21.72	21.79	21.36
5	1	24		21.62	21.53	21.32
5	25	0		21.81	21.79	21.53
5	1	1	16-QAM	22.03	21.86	21.31
5	1	23		21.91	21.70	21.26
5	12	6		21.79	21.86	20.70
5	1	0		20.72	20.93	20.46
5	1	24		20.61	20.78	20.66
5	25	0		20.89	20.73	20.52
5	1	1	64-QAM	20.37	20.40	19.85
5	1	23		20.21	20.25	19.74
5	12	6		20.47	20.33	20.04
5	1	0		20.41	20.34	19.90
5	1	24		20.24	20.28	19.74
5	25	0		20.38	20.40	20.09
5	1	1	256-QAM	18.28	18.18	17.76
5	1	23		18.10	18.07	17.74
5	12	6		18.37	18.26	17.95
5	1	0		18.31	18.24	17.84
5	1	24		18.10	18.01	17.67
5	25	0		18.28	18.12	17.81



NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	1	PI/2 BPSK	22.82	22.99	22.63
10	1	50		22.69	22.64	22.43
10	25	12		22.75	22.98	22.71
10	1	0		22.45	22.44	22.28
10	1	51		22.25	22.16	22.09
10	50	0		22.47	22.46	22.28
10	1	1	QPSK	22.67	22.63	22.18
10	1	50		22.51	22.43	22.20
10	25	12		22.71	22.75	22.48
10	1	0		21.85	21.73	21.35
10	1	51		21.60	21.50	21.41
10	50	0		21.99	21.82	21.55
10	1	1	16-QAM	22.10	21.96	21.47
10	1	50		21.96	21.75	21.34
10	25	12		21.94	21.93	21.58
10	1	0		20.98	21.10	20.38
10	1	51		20.83	20.86	20.46
10	50	0		20.83	20.82	20.49
10	1	1	64-QAM	20.34	20.38	19.89
10	1	50		20.28	20.18	19.80
10	25	12		20.49	20.43	19.82
10	1	0		20.38	20.33	19.66
10	1	51		20.23	20.22	20.17
10	50	0		20.43	20.34	20.02
10	1	1	256-QAM	18.21	18.12	17.85
10	1	50		18.09	17.97	17.78
10	25	12		18.26	18.20	17.91
10	1	0		18.17	18.12	17.75
10	1	51		18.09	17.97	17.86
10	50	0		18.38	18.31	18.01



NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	1	PI/2 BPSK	23.07	22.96	22.74
15	1	77		22.76	22.73	22.65
15	36	18		22.95	22.91	22.68
15	1	0		22.67	22.60	22.31
15	1	78		22.43	22.37	22.21
15	75	0		22.55	22.67	22.26
15	1	1	QPSK	23.05	22.84	22.73
15	1	77		22.74	22.68	22.54
15	36	18		23.05	22.78	22.71
15	1	0		22.17	21.95	21.95
15	1	78		21.93	21.81	21.63
15	75	0		22.34	21.97	21.87
15	1	1	16-QAM	22.53	22.22	22.16
15	1	77		22.21	22.14	21.96
15	36	18		22.21	21.94	21.80
15	1	0		21.55	21.39	21.15
15	1	78		21.22	21.01	21.10
15	75	0		21.34	21.04	20.91
15	1	1	64-QAM	20.87	20.68	20.53
15	1	77		20.51	20.38	20.34
15	36	18		20.80	20.59	20.31
15	1	0		20.90	20.73	20.50
15	1	78		20.57	20.46	20.34
15	75	0		20.81	20.71	20.42
15	1	1	256-QAM	18.67	18.52	18.39
15	1	77		18.35	18.30	18.06
15	36	18		18.87	18.64	18.36
15	1	0		18.66	18.57	18.36
15	1	78		18.39	18.29	18.20
15	75	0		18.69	18.47	18.25



NR n5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	PI/2 BPSK	23.31	23.20	23.14
20	1	104		23.01	22.89	22.82
20	50	25		23.00	23.06	22.96
20	1	0		22.65	22.73	22.62
20	1	105		22.67	22.46	22.41
20	100	0		22.78	22.72	22.43
20	1	1	QPSK	22.83	22.58	22.89
20	1	104		22.22	22.32	22.78
20	50	25		22.41	22.67	22.87
20	1	0		21.36	21.35	22.06
20	1	105		20.98	21.02	21.88
20	100	0		21.08	21.29	21.90
20	1	1	16-QAM	22.52	22.33	22.25
20	1	104		22.22	22.25	22.17
20	50	25		22.21	22.12	22.03
20	1	0		21.26	21.72	21.34
20	1	105		21.18	21.39	21.01
20	100	0		21.09	21.35	21.05
20	1	1	64-QAM	20.64	20.86	20.67
20	1	104		20.39	20.36	20.36
20	50	25		20.77	20.72	20.53
20	1	0		20.64	20.97	20.67
20	1	105		20.47	20.43	20.38
20	100	0		20.74	20.80	20.50
20	1	1	256-QAM	18.42	18.72	18.52
20	1	104		18.15	18.39	18.18
20	50	25		18.50	18.71	18.36
20	1	0		18.48	18.66	18.41
20	1	105		18.20	18.37	18.23
20	100	0		18.58	18.76	18.48



LTE Band 2 Maximum Average Power [dBm]				
BW [MHz]	RB Size	RB Offset	Mod	Middle
5	25	0	QPSK	3.21

EN-DC 2A-n66A Maximum Average Power [dBm]	
22.76	

NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	1	PI/2 BPSK	21.60	22.04	22.37
5	1	23		21.53	21.99	22.30
5	12	6		22.06	22.06	22.35
5	1	0		21.11	21.68	21.80
5	1	24		21.21	21.49	21.90
5	25	0		21.17	21.62	21.99
5	1	1	QPSK	21.38	21.87	22.12
5	1	23		21.45	21.85	22.09
5	12	6		21.50	21.88	22.21
5	1	0		20.49	21.04	21.20
5	1	24		20.52	20.96	21.31
5	25	0		20.72	21.11	21.39
5	1	1	16-QAM	20.90	21.09	21.44
5	1	23		20.92	21.11	21.55
5	12	6		20.91	21.32	21.55
5	1	0		19.81	20.31	20.48
5	1	24		19.81	20.16	20.52
5	25	0		19.58	20.15	20.39
5	1	1	64-QAM	19.15	19.56	19.77
5	1	23		19.12	19.49	19.85
5	12	6		19.34	19.65	20.05
5	1	0		19.18	19.51	19.77
5	1	24		19.15	19.49	19.87
5	25	0		19.29	19.70	19.97
5	1	1	256-QAM	17.15	17.39	17.69
5	1	23		17.12	17.34	17.60
5	12	6		17.30	17.71	17.92
5	1	0		17.15	17.56	17.69
5	1	24		17.10	17.49	17.64
5	25	0		17.27	17.56	17.83



NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	1	PI/2 BPSK	21.66	21.80	22.22
10	1	50		21.55	21.76	22.19
10	25	12		21.46	21.82	22.03
10	1	0		21.51	21.75	22.07
10	1	51		21.62	21.77	21.82
10	50	0		21.75	21.87	21.88
10	1	1	QPSK	21.59	22.05	22.17
10	1	50		21.75	21.83	22.10
10	25	12		21.85	22.16	22.18
10	1	0		20.79	21.15	21.27
10	1	51		20.80	20.97	21.37
10	50	0		21.01	21.17	21.56
10	1	1	16-QAM	21.10	21.37	21.50
10	1	50		20.97	21.31	21.71
10	25	12		20.99	21.33	21.51
10	1	0		20.08	20.41	20.62
10	1	51		20.06	20.14	20.79
10	50	0		19.88	20.12	20.54
10	1	1	64-QAM	19.37	19.71	19.82
10	1	50		19.38	19.54	19.93
10	25	12		19.52	19.81	20.08
10	1	0		19.32	19.62	19.84
10	1	51		19.38	19.54	19.95
10	50	0		19.49	19.64	20.02
10	1	1	256-QAM	17.26	17.56	17.78
10	1	50		17.21	17.32	17.81
10	25	12		17.45	17.63	17.93
10	1	0		17.19	17.56	17.73
10	1	51		17.23	17.32	17.87
10	50	0		17.38	17.70	18.04



NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	1	PI/2 BPSK	21.43	21.93	22.71
15	1	77		21.36	22.02	22.55
15	36	18		21.44	21.96	22.33
15	1	0		21.25	22.08	22.47
15	1	78		21.10	22.19	22.47
15	75	0		21.25	22.07	22.38
15	1	1	QPSK	21.77	22.23	22.21
15	1	77		22.01	22.07	22.49
15	36	18		21.90	22.35	22.52
15	1	0		21.03	21.38	21.32
15	1	78		21.27	21.16	21.64
15	75	0		21.19	21.42	21.54
15	1	1	16-QAM	21.30	21.76	21.59
15	1	77		21.43	21.40	21.88
15	36	18		21.05	21.29	21.56
15	1	0		20.20	20.62	20.49
15	1	78		20.56	20.42	20.89
15	75	0		20.20	20.41	20.62
15	1	1	64-QAM	19.55	20.01	19.90
15	1	77		19.71	19.64	20.02
15	36	18		19.47	19.87	20.05
15	1	0		19.51	19.94	19.85
15	1	78		19.63	19.72	20.13
15	75	0		19.62	19.95	20.19
15	1	1	256-QAM	17.51	17.97	18.02
15	1	77		17.60	17.73	18.10
15	36	18		17.63	18.02	18.21
15	1	0		17.53	17.99	17.92
15	1	78		17.70	17.74	18.16
15	75	0		17.64	17.96	18.14



NR n66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	PI/2 BPSK	21.81	21.77	22.45
20	1	104		21.94	22.01	22.41
20	50	25		21.89	22.11	22.20
20	1	0		22.06	21.96	22.39
20	1	105		21.15	21.91	21.55
20	100	0		21.20	21.52	21.64
20	1	1	QPSK	21.77	22.35	22.23
20	1	104		21.97	21.97	22.01
20	50	25		21.95	22.41	22.34
20	1	0		20.91	21.47	21.45
20	1	105		21.27	21.15	21.12
20	100	0		21.17	21.45	21.36
20	1	1	16-QAM	21.30	21.81	21.79
20	1	104		21.47	21.34	21.45
20	50	25		21.05	21.44	21.31
20	1	0		20.28	20.75	20.60
20	1	105		20.54	20.53	20.47
20	100	0		20.17	20.40	20.39
20	1	1	64-QAM	19.44	20.07	19.74
20	1	104		19.69	19.64	19.26
20	50	25		19.54	19.89	19.84
20	1	0		19.42	20.09	19.77
20	1	105		19.74	19.70	19.32
20	100	0		19.59	19.91	19.91
20	1	1	256-QAM	17.47	18.10	17.95
20	1	104		17.75	17.68	17.52
20	50	25		17.62	17.98	17.93
20	1	0		17.40	18.02	17.89
20	1	105		17.71	17.65	17.74
20	100	0		17.64	17.97	18.01



LTE Band 2 Maximum Average Power [dBm]				
BW [MHz]	RB Size	RB Offset	Mod	Middle
5	25	0	QPSK	3.11

EN-DC 2A-n71A Maximum Average Power [dBm]	
24.05	

NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	1	PI/2 BPSK	22.73	23.85	23.76
5	1	23		23.27	23.41	23.55
5	12	6		23.78	23.68	23.57
5	1	0		23.57	23.47	22.96
5	1	24		23.40	23.22	23.13
5	25	0		23.44	23.30	23.22
5	1	1	QPSK	23.83	23.84	23.73
5	1	23		23.81	23.64	23.54
5	12	6		23.77	23.66	23.54
5	1	0		23.06	22.89	22.82
5	1	24		22.84	22.67	22.61
5	25	0		22.95	22.83	22.76
5	1	1	16-QAM	23.00	22.87	22.84
5	1	23		22.83	22.69	22.60
5	12	6		23.04	22.85	22.80
5	1	0		22.05	21.91	21.91
5	1	24		21.86	21.74	21.60
5	25	0		22.08	21.88	21.78
5	1	1	64-QAM	21.45	21.23	21.17
5	1	23		21.22	21.05	20.99
5	12	6		21.54	21.39	21.36
5	1	0		21.40	21.20	21.23
5	1	24		21.18	21.02	20.99
5	25	0		21.50	21.35	21.28
5	1	1	256-QAM	19.13	19.04	18.88
5	1	23		18.90	18.88	18.62
5	12	6		19.56	19.40	19.32
5	1	0		19.14	19.02	18.86
5	1	24		18.88	18.85	18.66
5	25	0		19.25	19.33	19.19



NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	1	PI/2 BPSK	23.78	23.64	23.61
10	1	50		23.66	23.62	23.32
10	25	12		23.77	23.77	23.69
10	1	0		23.30	23.25	23.17
10	1	51		23.16	23.17	23.01
10	50	0		23.35	23.23	23.21
10	1	1	QPSK	23.65	23.52	23.50
10	1	50		23.45	23.49	23.31
10	25	12		23.68	23.71	23.52
10	1	0		22.77	22.57	22.64
10	1	51		22.63	22.51	22.39
10	50	0		22.87	22.75	22.75
10	1	1	16-QAM	23.06	22.94	22.91
10	1	50		22.93	22.88	22.61
10	25	12		22.97	22.79	22.76
10	1	0		22.08	21.92	21.87
10	1	51		21.76	21.68	21.64
10	50	0		21.86	21.75	21.64
10	1	1	64-QAM	21.22	21.08	21.07
10	1	50		21.10	21.01	21.00
10	25	12		21.55	21.45	21.33
10	1	0		21.19	21.01	21.06
10	1	51		21.09	21.04	21.11
10	50	0		21.20	21.24	21.24
10	1	1	256-QAM	19.19	19.10	19.03
10	1	50		19.08	19.03	18.91
10	25	12		19.35	19.21	19.16
10	1	0		19.26	19.05	19.10
10	1	51		19.23	19.28	19.32
10	50	0		19.40	19.26	19.22



NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	1	PI/2 BPSK	23.91	24.01	23.86
15	1	77		23.83	23.94	23.64
15	36	18		23.83	23.91	23.50
15	1	0		23.53	23.51	23.51
15	1	78		23.41	23.56	23.22
15	75	0		23.38	23.53	23.40
15	1	1	QPSK	23.82	23.78	23.75
15	1	77		23.64	23.83	23.53
15	36	18		23.90	23.98	22.92
15	1	0		22.92	22.82	22.91
15	1	78		22.71	22.86	22.62
15	75	0		23.01	23.04	22.99
15	1	1	16-QAM	23.16	23.03	23.12
15	1	77		23.01	23.07	22.78
15	36	18		22.95	22.92	22.95
15	1	0		22.14	22.06	22.18
15	1	78		21.54	22.21	21.87
15	75	0		21.93	22.04	21.88
15	1	1	64-QAM	21.33	21.30	21.35
15	1	77		21.25	21.41	21.09
15	36	18		21.54	21.60	21.45
15	1	0		21.43	21.30	21.29
15	1	78		21.32	21.34	21.05
15	75	0		21.57	21.57	21.57
15	1	1	256-QAM	19.61	19.34	19.22
15	1	77		19.34	19.33	19.15
15	36	18		19.59	19.57	19.50
15	1	0		19.57	19.24	19.39
15	1	78		19.35	19.39	19.15
15	75	0		19.56	19.53	19.52



NR n71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	1	PI/2 BPSK	23.91	23.95	23.88
20	1	104		23.80	23.87	23.66
20	50	25		23.80	23.81	23.88
20	1	0		23.44	23.47	23.47
20	1	105		23.51	23.46	23.23
20	100	0		22.57	22.61	22.50
20	1	1	QPSK	23.68	23.70	23.78
20	1	104		23.77	23.74	23.53
20	50	25		23.77	23.92	23.93
20	1	0		22.90	22.84	22.73
20	1	105		22.79	22.83	22.70
20	100	0		23.03	23.07	23.01
20	1	1	16-QAM	23.21	23.05	23.25
20	1	104		22.70	23.19	22.98
20	50	25		22.81	22.94	23.00
20	1	0		22.14	22.17	22.07
20	1	105		22.14	22.16	21.77
20	100	0		21.95	22.04	22.03
20	1	1	64-QAM	21.29	21.26	21.35
20	1	104		21.32	21.31	21.07
20	50	25		21.36	21.56	21.53
20	1	0		21.37	21.31	21.22
20	1	105		21.29	21.25	21.09
20	100	0		21.34	21.58	21.57
20	1	1	256-QAM	19.44	19.31	19.44
20	1	104		19.36	19.16	19.12
20	50	25		19.52	19.54	19.58
20	1	0		19.32	19.25	19.32
20	1	105		19.30	19.27	19.12
20	100	0		19.51	19.58	19.62



LTE Band 25

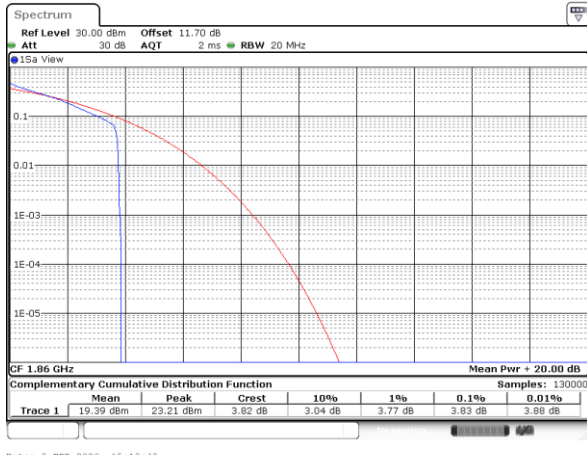
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.83	5.01	5.19	6.03	PASS
Middle CH	3.74	4.99	5.33	5.94	
Highest CH	3.71	5.59	4.20	5.80	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.55	-	-	PASS
Middle CH	6.55	6.49	-	-	
Highest CH	6.64	6.72	-	-	



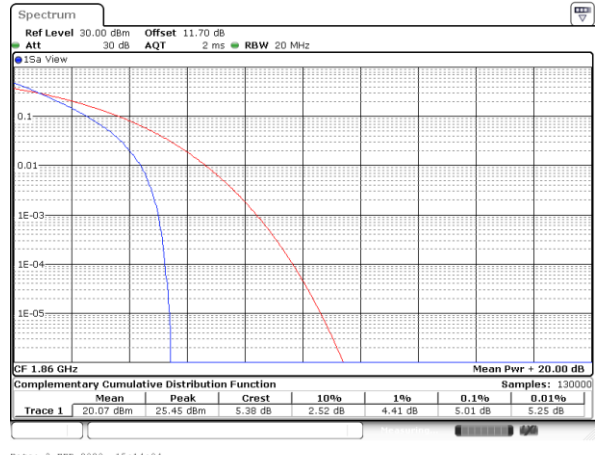
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



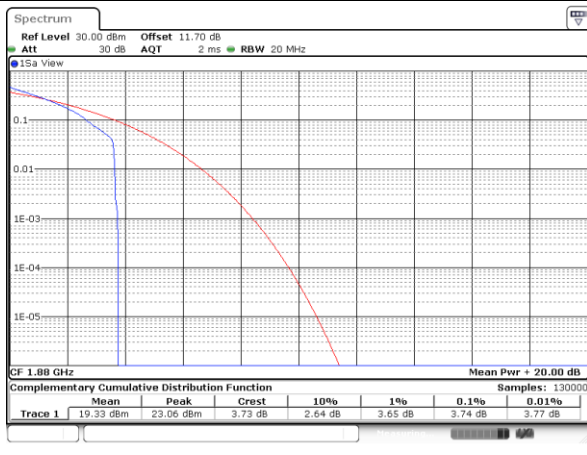
Date: 3.FEB.2020 15:13:49

Lowest Channel / Full RB



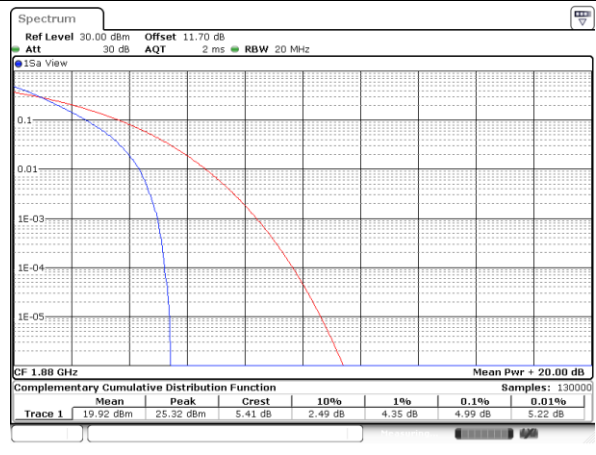
Date: 3.FEB.2020 15:14:04

Middle Channel / 1RB



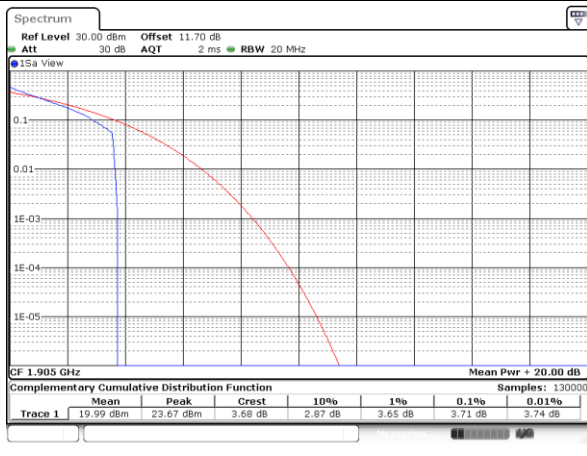
Date: 3.FEB.2020 15:14:51

Middle Channel / Full RB



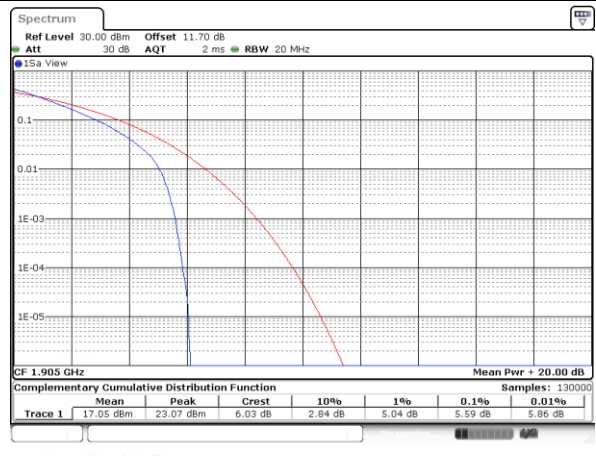
Date: 3.FEB.2020 15:15:05

Highest Channel / 1RB



Date: 3.FEB.2020 15:22:36

Highest Channel / Full RB

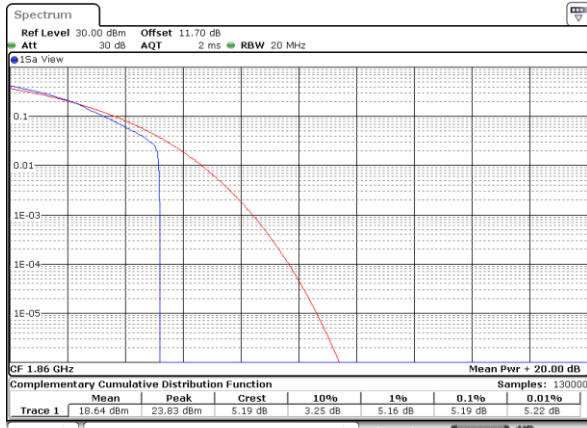


Date: 3.FEB.2020 15:21:37



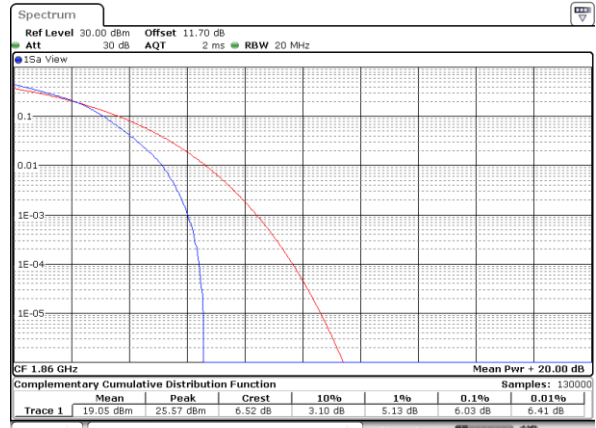
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



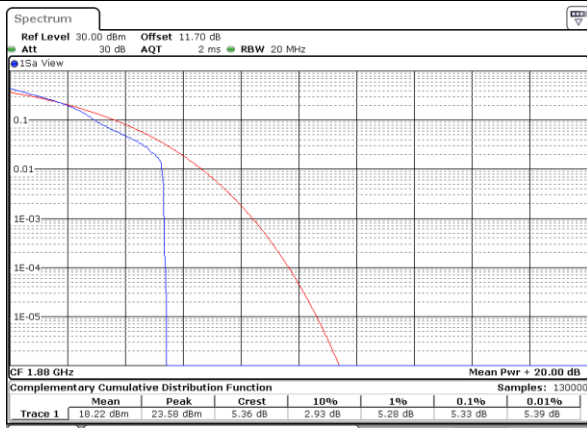
Date: 3.FEB.2020 15:13:19

Lowest Channel / Full RB



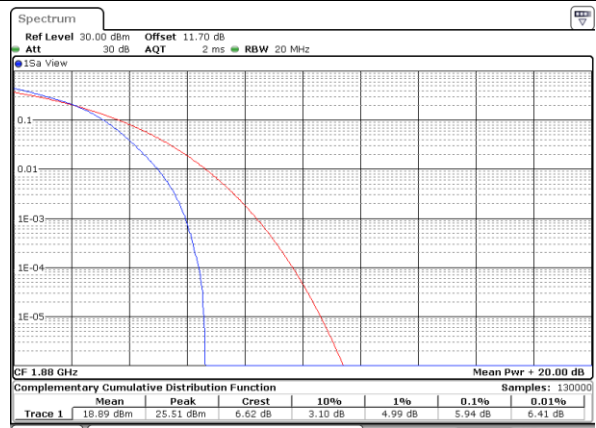
Date: 3.FEB.2020 15:13:34

Middle Channel / 1RB



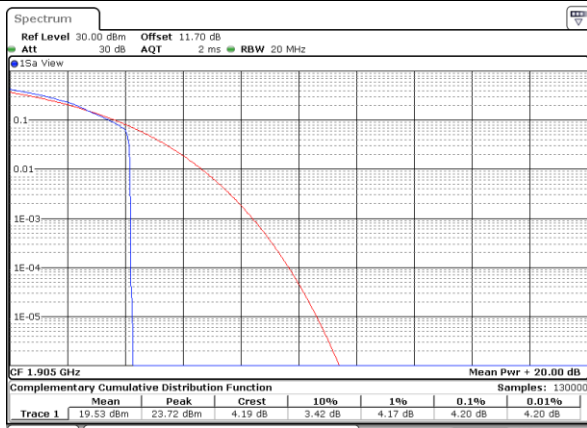
Date: 3.FEB.2020 15:14:17

Middle Channel / Full RB



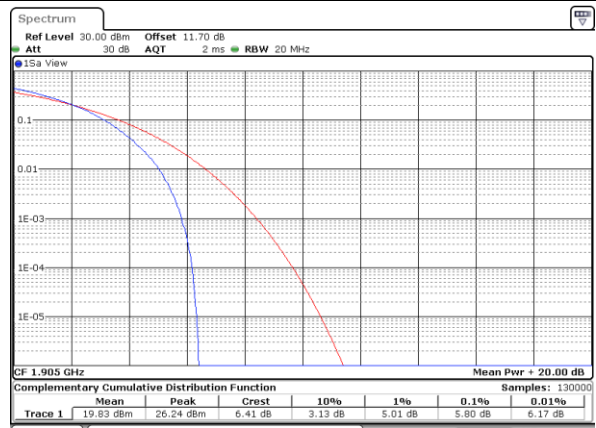
Date: 3.FEB.2020 15:14:34

Highest Channel / 1RB



Date: 3.FEB.2020 15:15:20

Highest Channel / Full RB

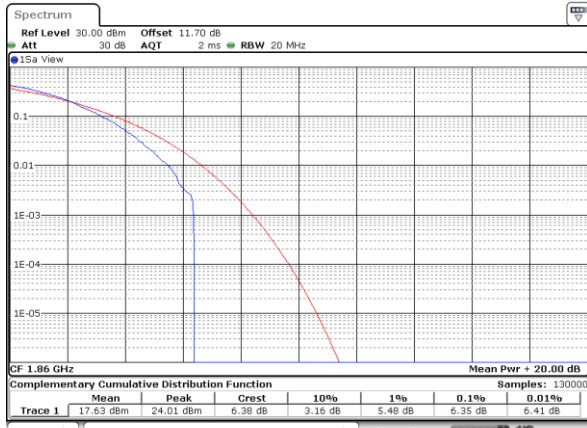


Date: 3.FEB.2020 15:21:55



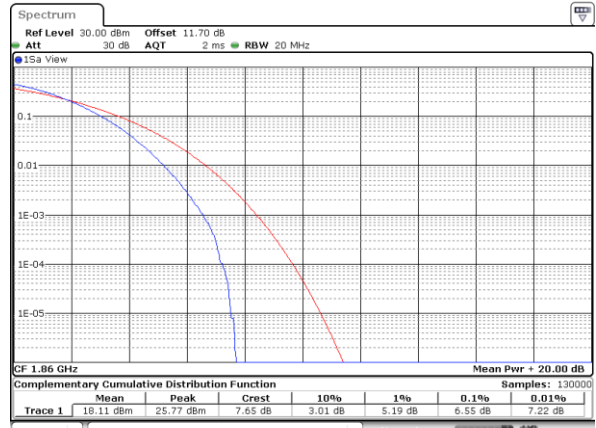
LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



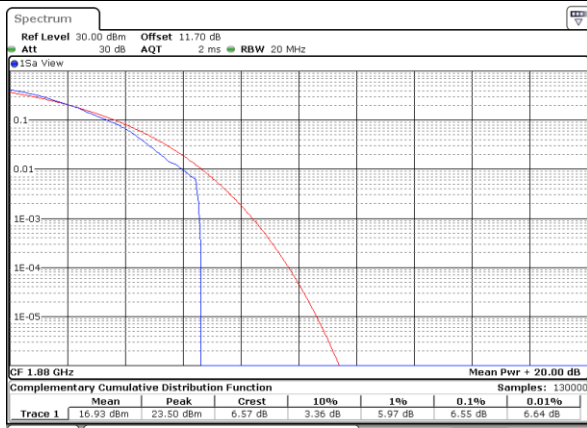
Date: 3.FEB.2020 15:11:33

Lowest Channel / Full RB



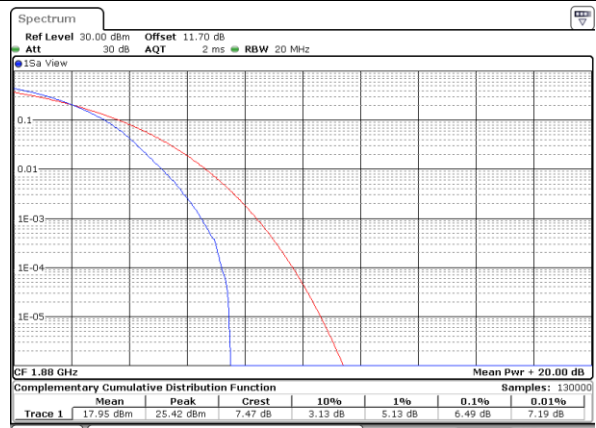
Date: 3.FEB.2020 15:11:48

Middle Channel / 1RB



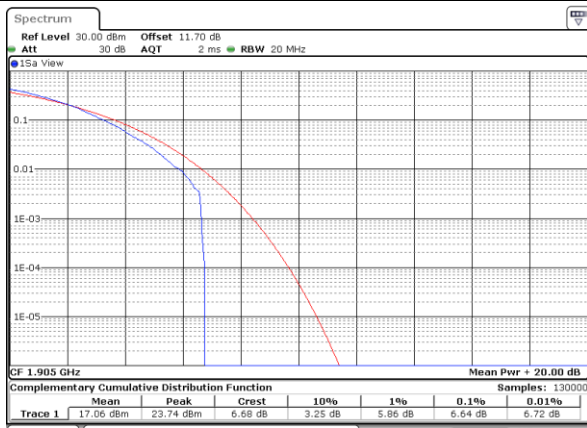
Date: 3.FEB.2020 15:12:02

Middle Channel / Full RB



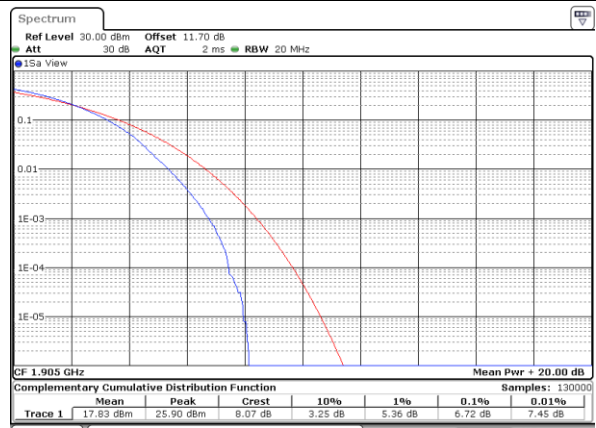
Date: 3.FEB.2020 15:12:19

Highest Channel / 1RB



Date: 3.FEB.2020 15:12:40

Highest Channel / Full RB



Date: 3.FEB.2020 15:13:02



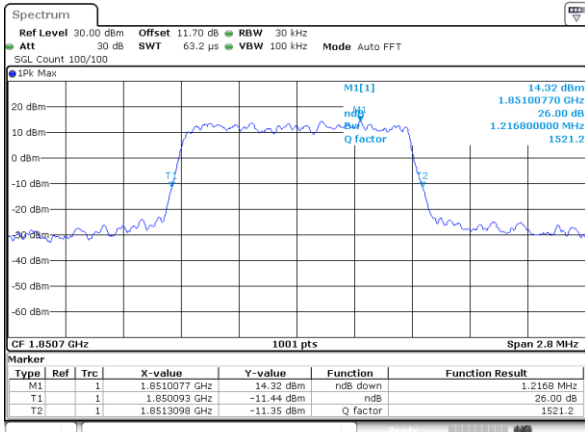
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.22	3.02	2.96	4.91	4.86	9.69	9.79	14.36	14.60	18.82	18.70
Middle CH	1.23	1.22	3.07	3.05	4.93	4.91	9.89	9.79	14.48	14.27	19.18	19.22
Highest CH	1.22	1.23	3.02	3.01	4.89	4.95	10.03	9.77	14.66	14.51	19.14	18.78
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.03	-	4.93	-	9.75	-	14.27	-	18.94	-
Middle CH	1.21	-	2.99	-	4.93	-	9.65	-	14.39	-	19.02	-
Highest CH	1.22	-	3.04	-	4.89	-	9.93	-	14.33	-	18.90	-



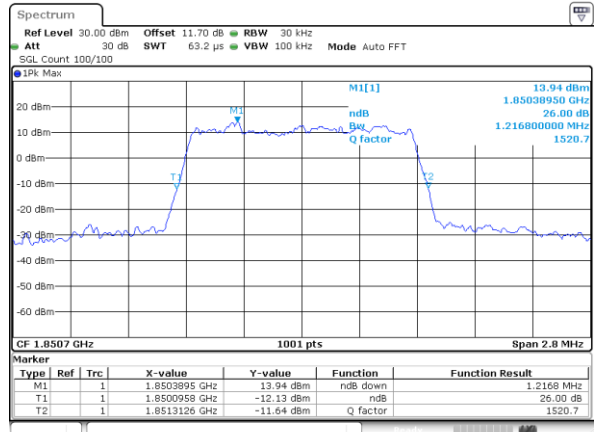
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



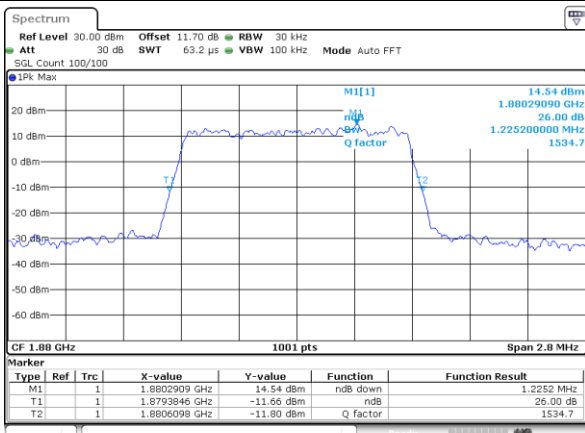
Date: 3.FEB.2020 11:05:15

Lowest Channel / 1.4MHz / 16QAM



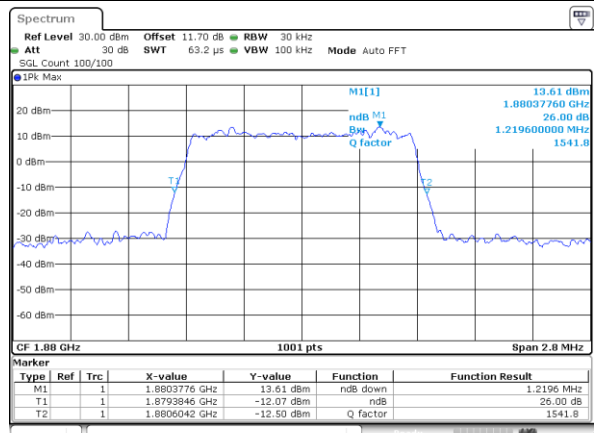
Date: 3.FEB.2020 11:05:29

Middle Channel / 1.4MHz / QPSK



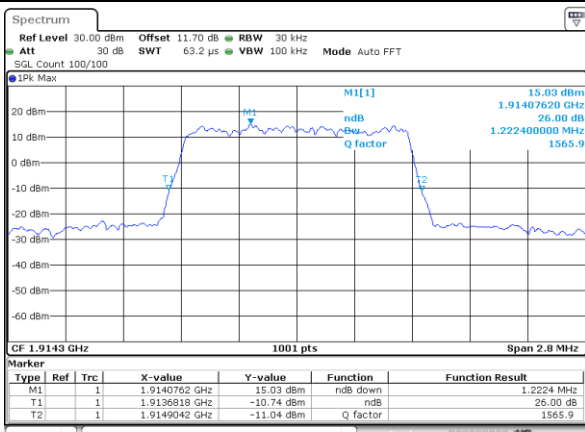
Date: 3.FEB.2020 11:12:39

Middle Channel / 1.4MHz / 16QAM



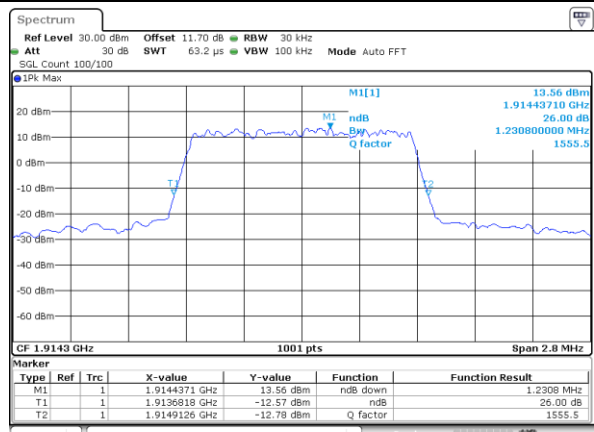
Date: 3.FEB.2020 11:12:53

Highest Channel / 1.4MHz / QPSK



Date: 3.FEB.2020 11:15:58

Highest Channel / 1.4MHz / 16QAM

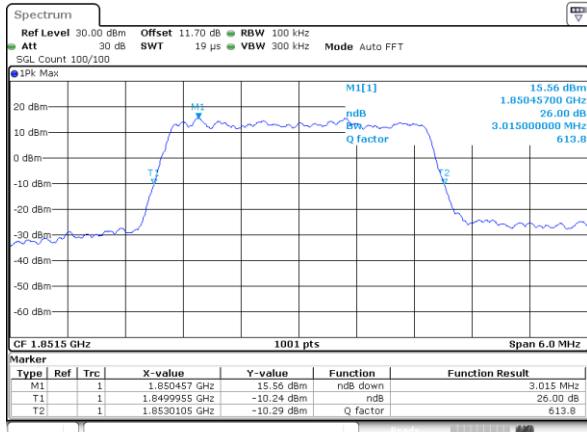


Date: 3.FEB.2020 11:15:44



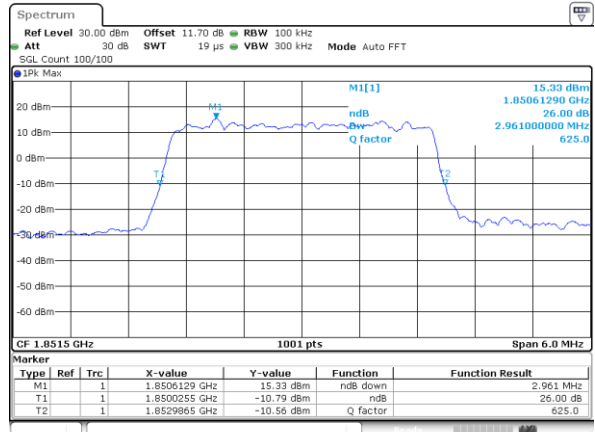
LTE Band 25

Lowest Channel / 3MHz / QPSK



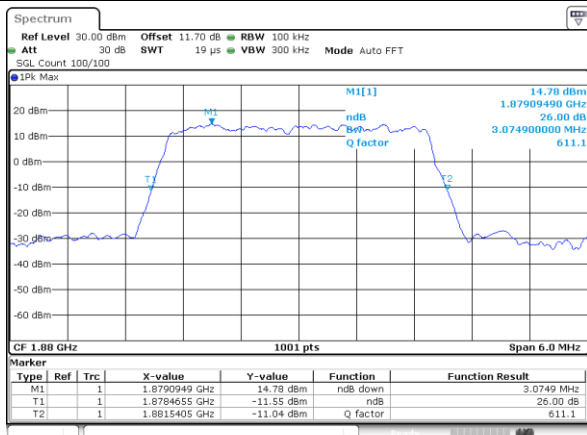
Date: 3.FEB.2020 11:41:13

Lowest Channel / 3MHz / 16QAM



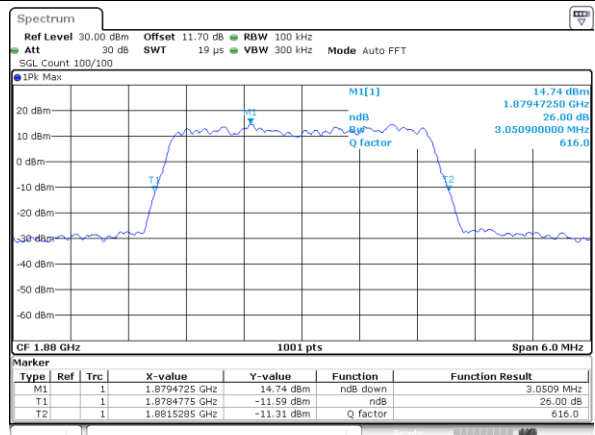
Date: 3.FEB.2020 11:41:27

Middle Channel / 3MHz / QPSK



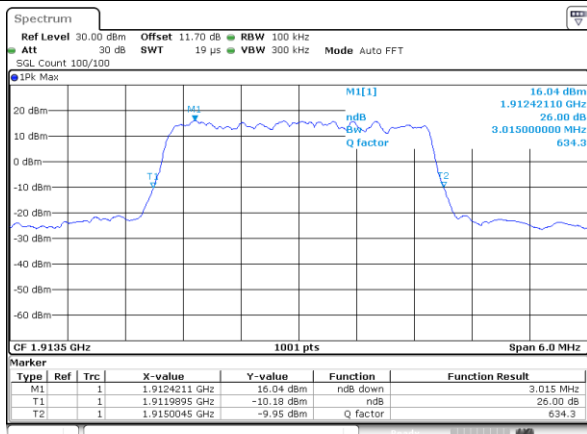
Date: 3.FEB.2020 11:48:23

Middle Channel / 3MHz / 16QAM



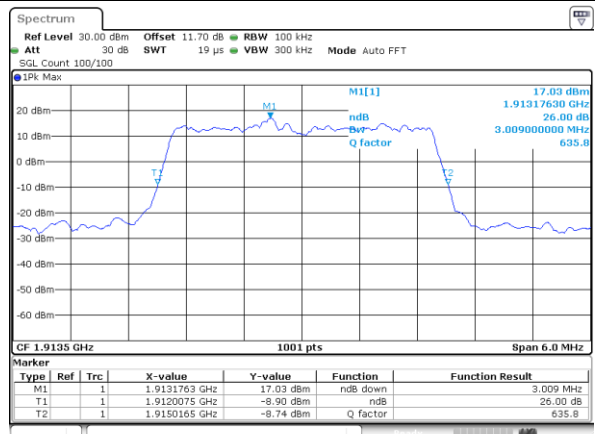
Date: 3.FEB.2020 11:48:37

Highest Channel / 3MHz / QPSK



Date: 3.FEB.2020 11:51:43

Highest Channel / 3MHz / 16QAM

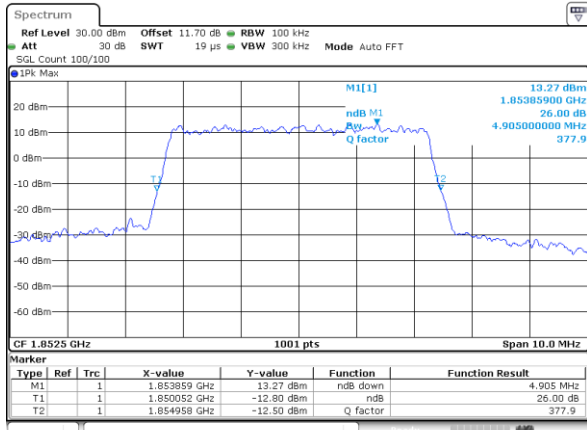


Date: 3.FEB.2020 11:51:29



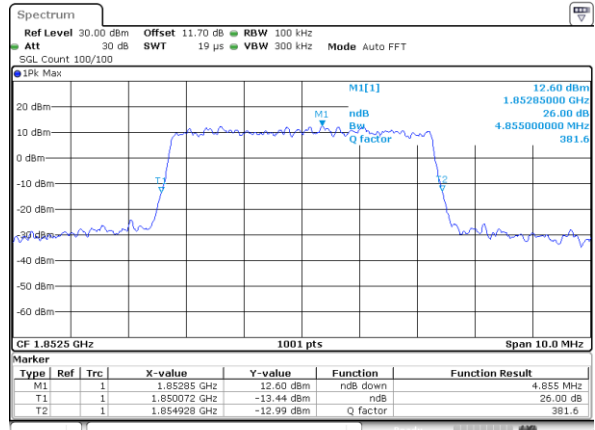
LTE Band 25

Lowest Channel / 5MHz / QPSK



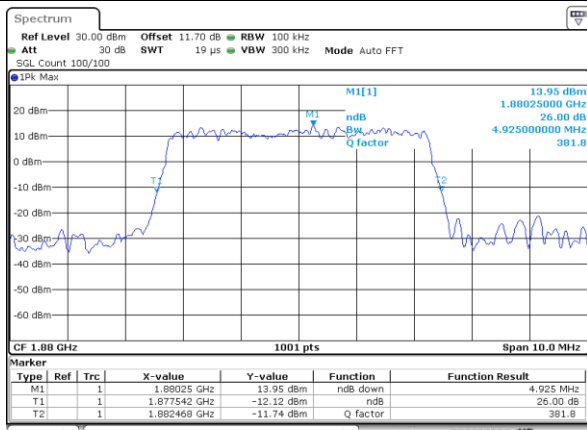
Date: 3.FEB.2020 11:58:40

Lowest Channel / 5MHz / 16QAM



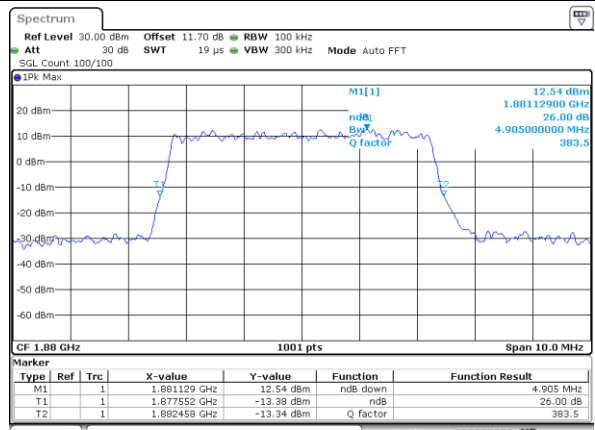
Date: 3.FEB.2020 11:58:54

Middle Channel / 5MHz / QPSK



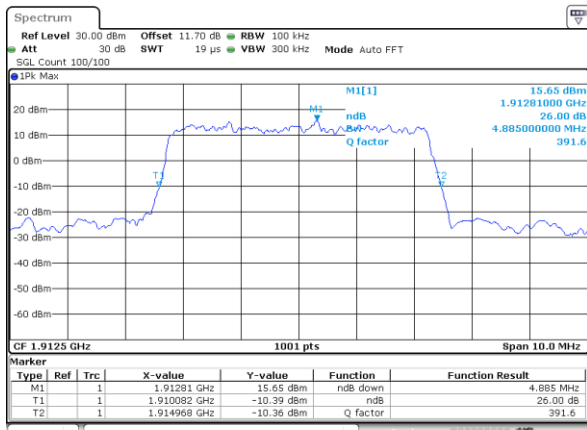
Date: 3.FEB.2020 13:24:27

Middle Channel / 5MHz / 16QAM



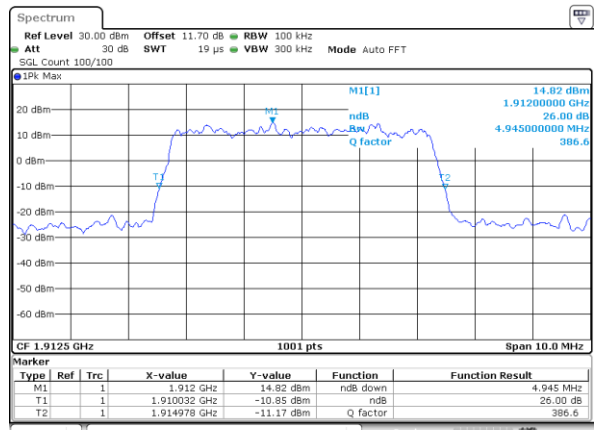
Date: 3.FEB.2020 13:24:51

Highest Channel / 5MHz / QPSK



Date: 3.FEB.2020 13:37:56

Highest Channel / 5MHz / 16QAM

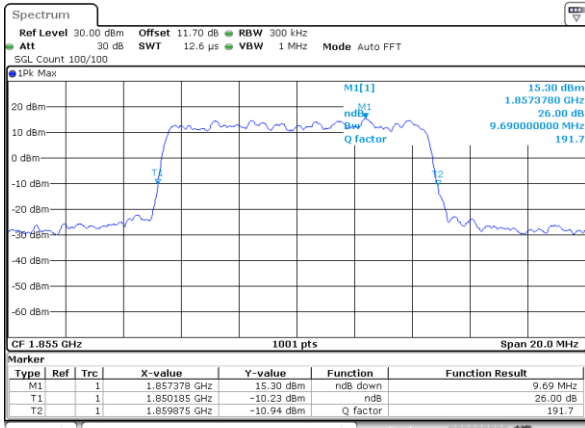


Date: 3.FEB.2020 13:37:42



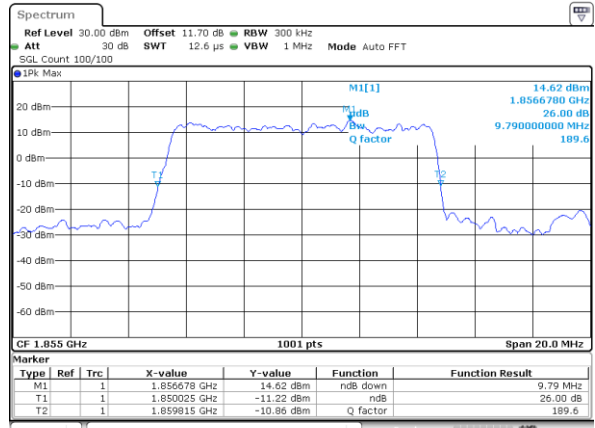
LTE Band 25

Lowest Channel / 10MHz / QPSK



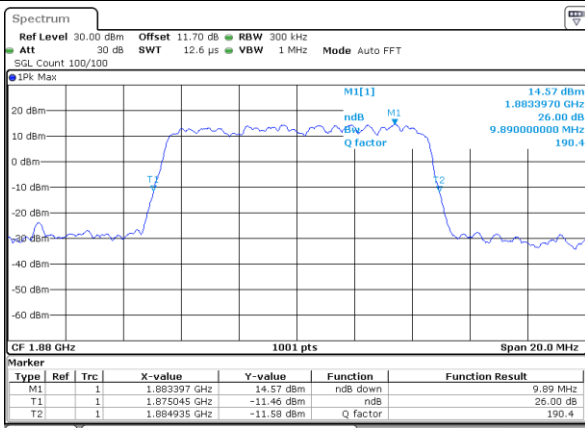
Date: 3.FEB.2020 13:53:36

Lowest Channel / 10MHz / 16QAM



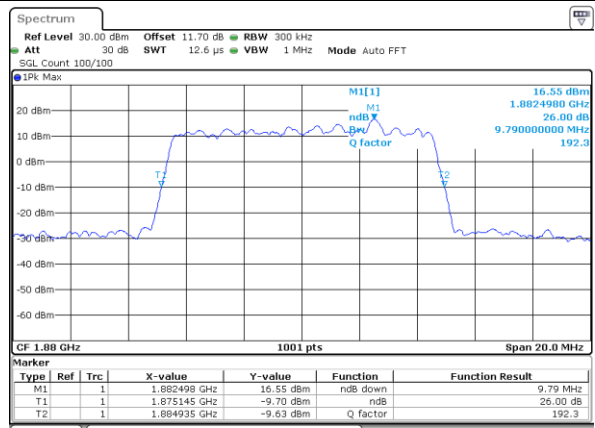
Date: 3.FEB.2020 13:53:50

Middle Channel / 10MHz / QPSK



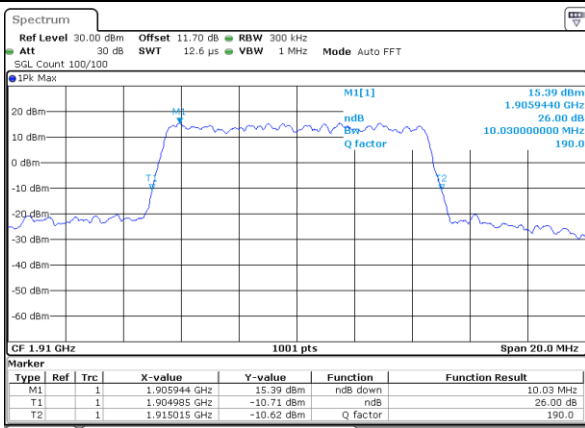
Date: 3.FEB.2020 14:00:46

Middle Channel / 10MHz / 16QAM



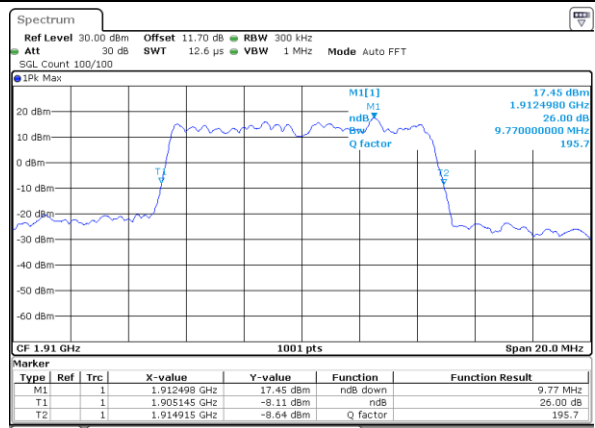
Date: 3.FEB.2020 14:00:59

Highest Channel / 10MHz / QPSK



Date: 3.FEB.2020 14:00:40

Highest Channel / 10MHz / 16QAM

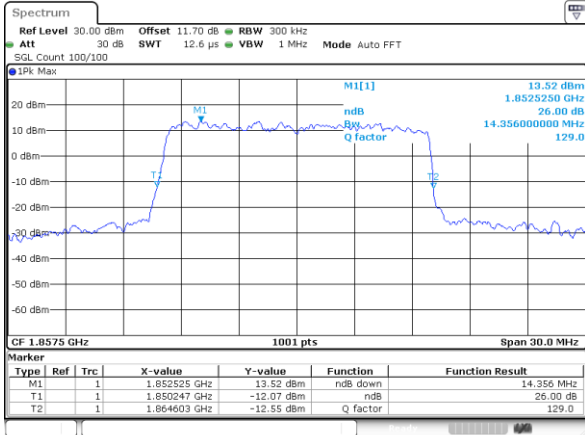


Date: 3.FEB.2020 14:00:51



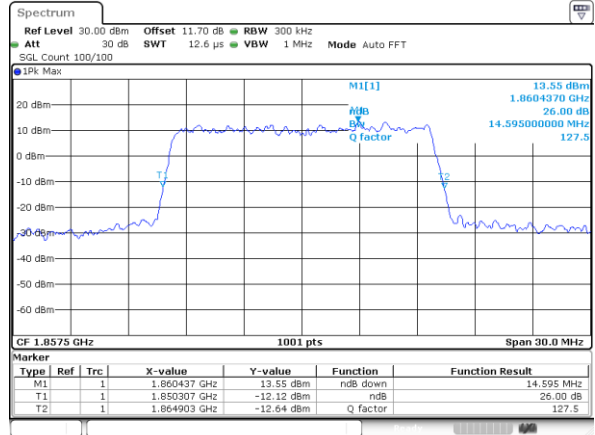
LTE Band 25

Lowest Channel / 15MHz / QPSK



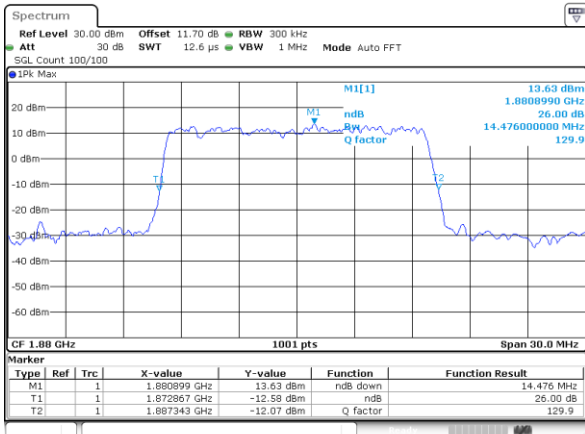
Date: 3.FEB.2020 14:28:27

Lowest Channel / 15MHz / 16QAM



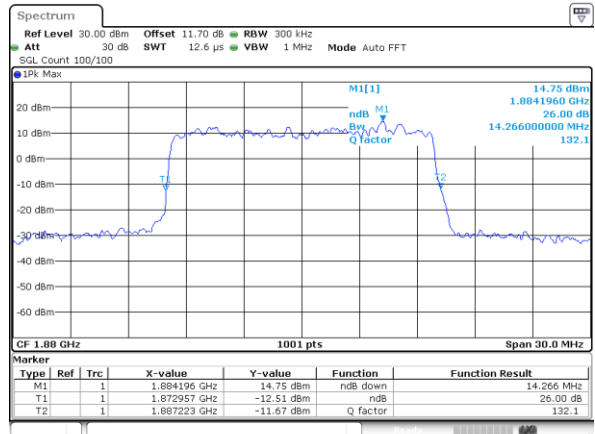
Date: 3.FEB.2020 14:28:40

Middle Channel / 15MHz / QPSK



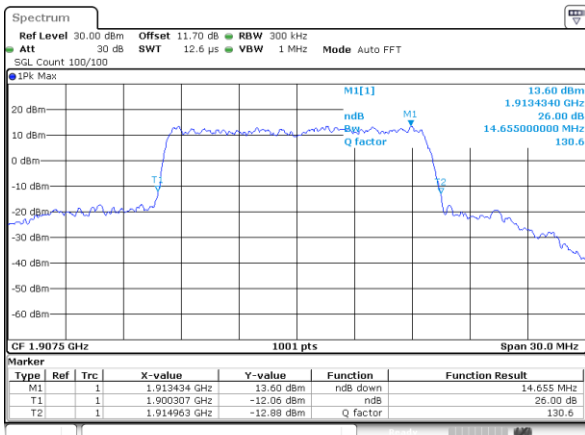
Date: 3.FEB.2020 14:25:26

Middle Channel / 15MHz / 16QAM



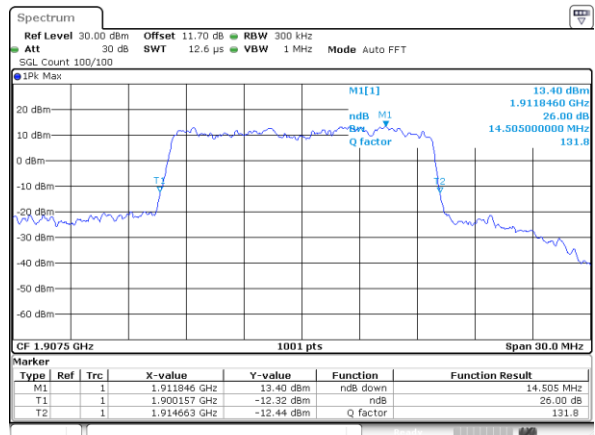
Date: 3.FEB.2020 14:35:50

Highest Channel / 15MHz / QPSK



Date: 3.FEB.2020 14:38:55

Highest Channel / 15MHz / 16QAM

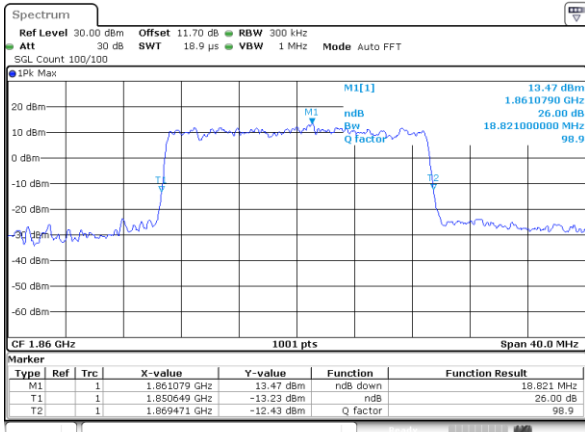


Date: 3.FEB.2020 14:38:41



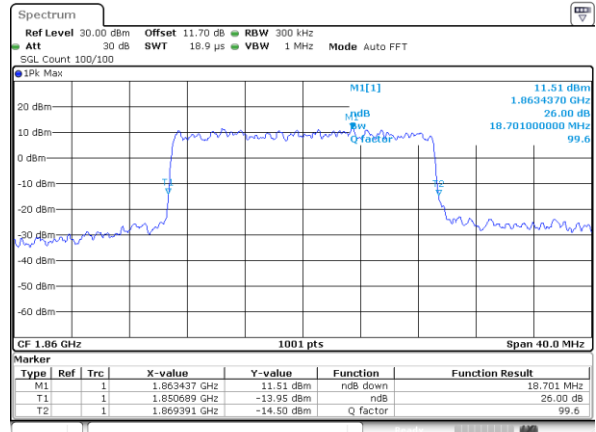
LTE Band 25

Lowest Channel / 20MHz / QPSK



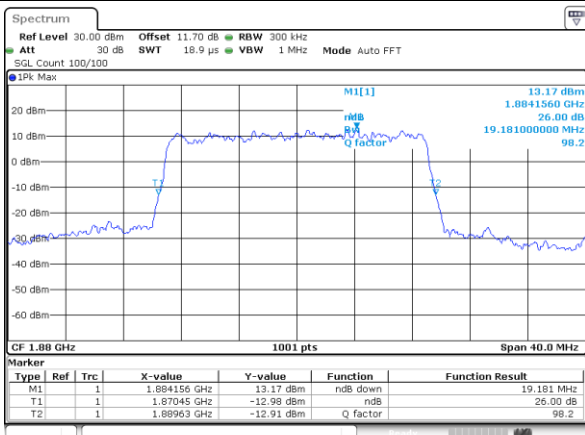
Date: 3.FEB.2020 14:45:52

Lowest Channel / 20MHz / 16QAM



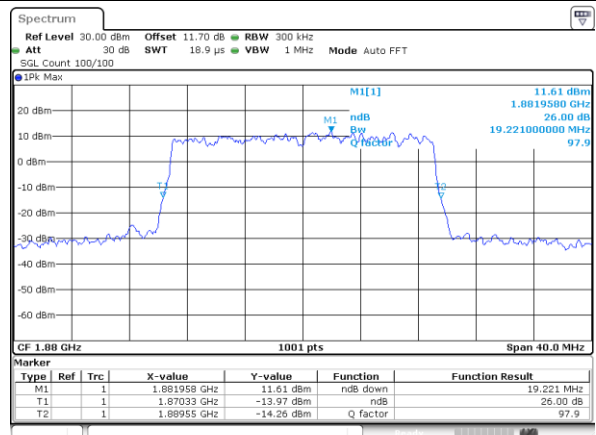
Date: 3.FEB.2020 14:46:05

Middle Channel / 20MHz / QPSK



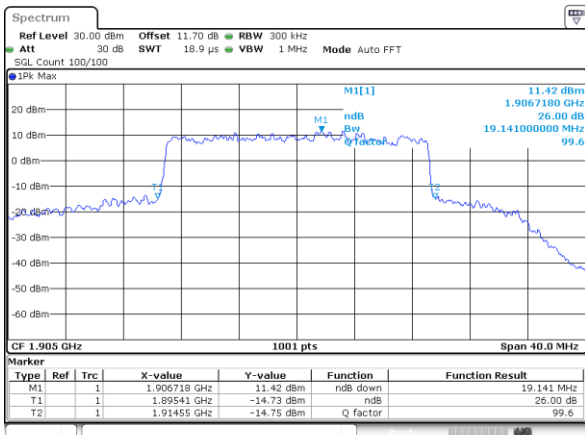
Date: 3.FEB.2020 14:53:01

Middle Channel / 20MHz / 16QAM



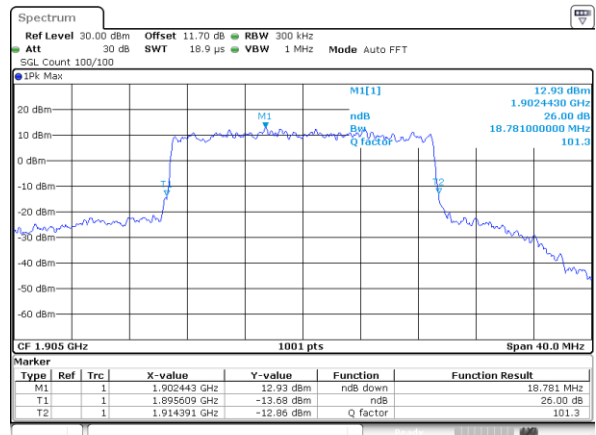
Date: 3.FEB.2020 14:53:15

Highest Channel / 20MHz / QPSK



Date: 3.FEB.2020 14:56:19

Highest Channel / 20MHz / 16QAM

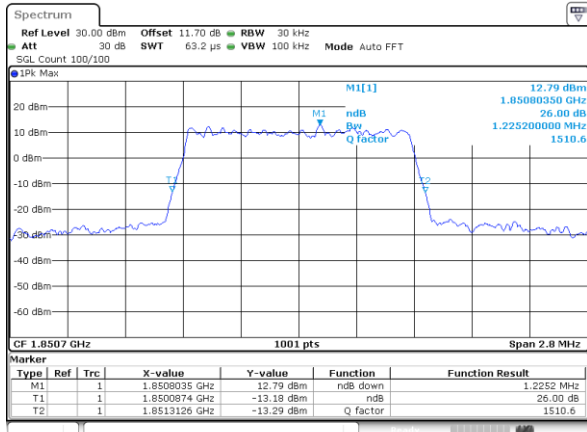


Date: 3.FEB.2020 14:56:06



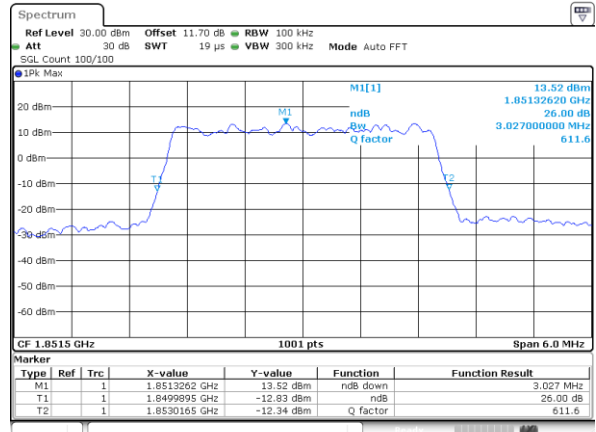
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



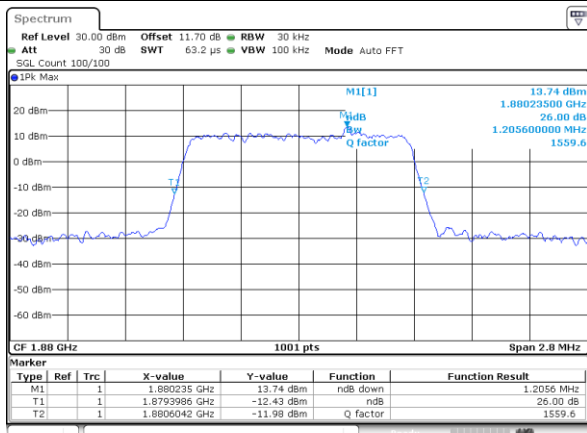
Date: 3.FEB.2020 11:23:12

Lowest Channel / 3MHz / 64QAM



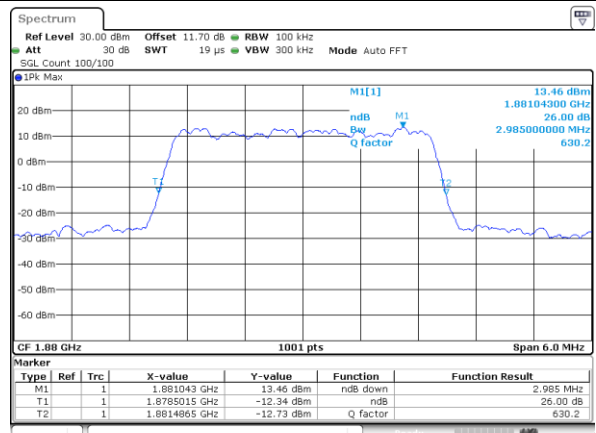
Date: 3.FEB.2020 11:32:17

Middle Channel / 1.4MHz / 64QAM



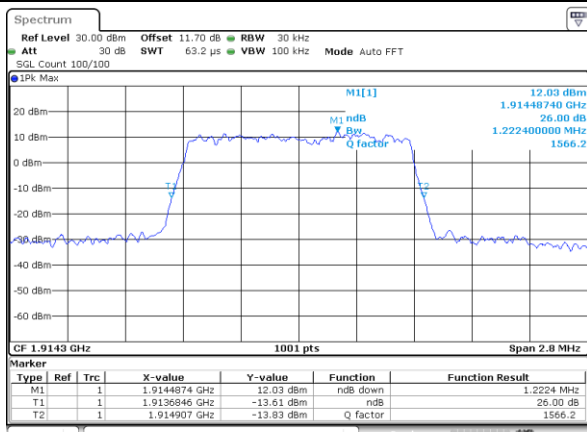
Date: 3.FEB.2020 11:26:53

Middle Channel / 3MHz / 64QAM



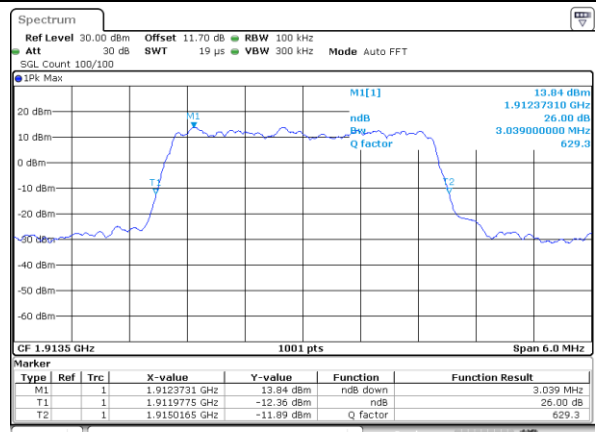
Date: 3.FEB.2020 11:35:51

Highest Channel / 1.4MHz / 64QAM



Date: 3.FEB.2020 11:28:26

Highest Channel / 3MHz / 64QAM

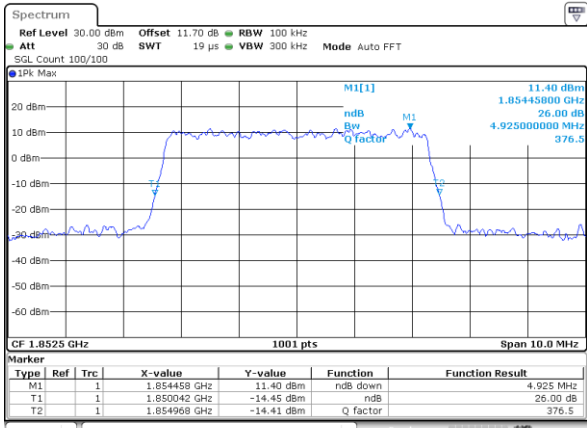


Date: 3.FEB.2020 11:37:24



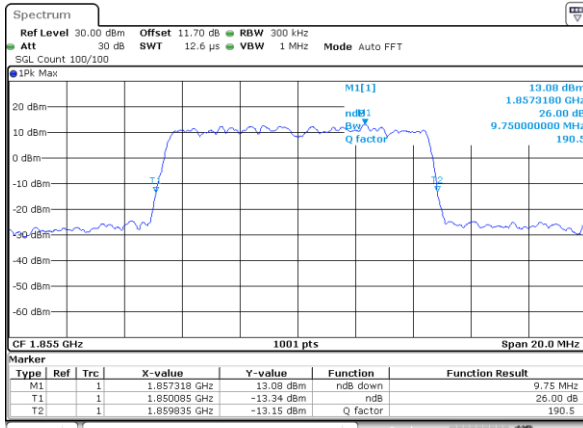
LTE Band 25

Lowest Channel / 5MHz / 64QAM



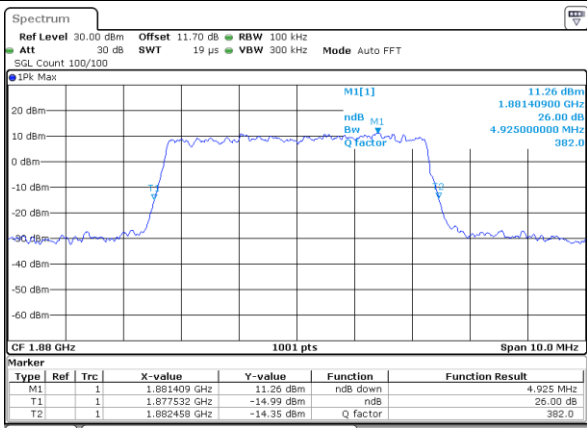
Date: 3.FEB.2020 13:44:39

Lowest Channel / 10MHz / 64QAM



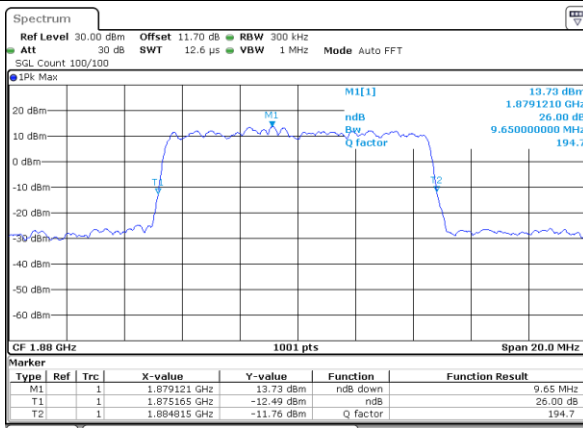
Date: 3.FEB.2020 14:10:47

Middle Channel / 5MHz / 64QAM



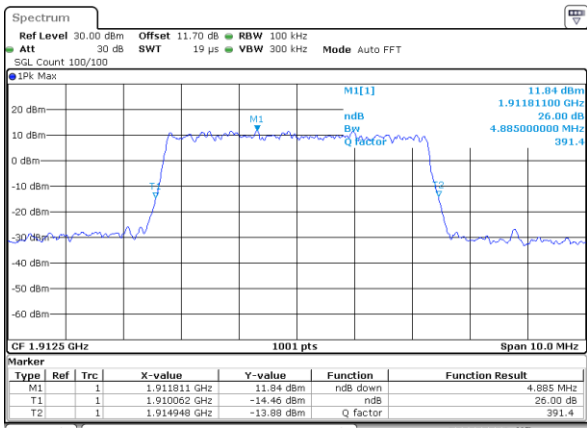
Date: 3.FEB.2020 13:49:14

Middle Channel / 10MHz / 64QAM



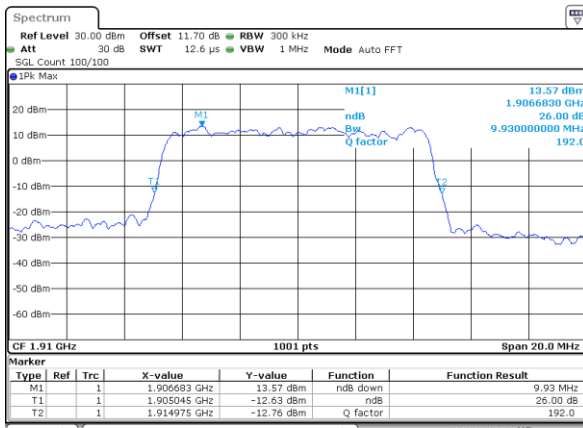
Date: 3.FEB.2020 14:14:22

Highest Channel / 5MHz / 64QAM



Date: 3.FEB.2020 13:49:46

Highest Channel / 10MHz / 64QAM

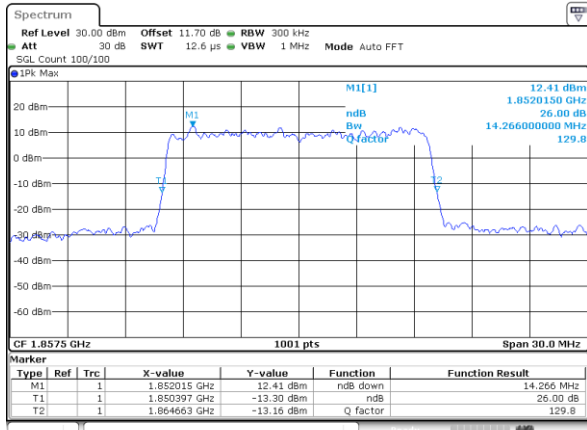


Date: 3.FEB.2020 14:15:55



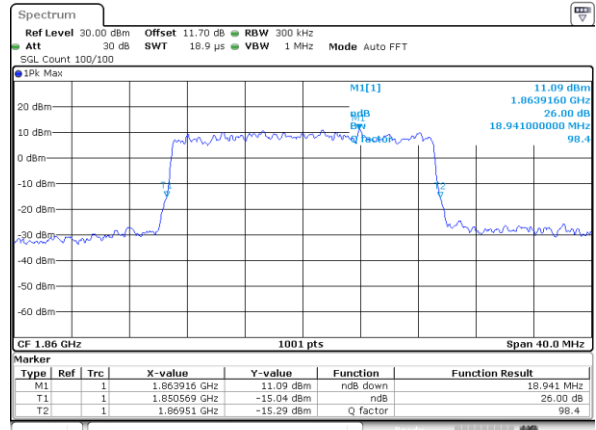
LTE Band 25

Lowest Channel / 15MHz / 64QAM



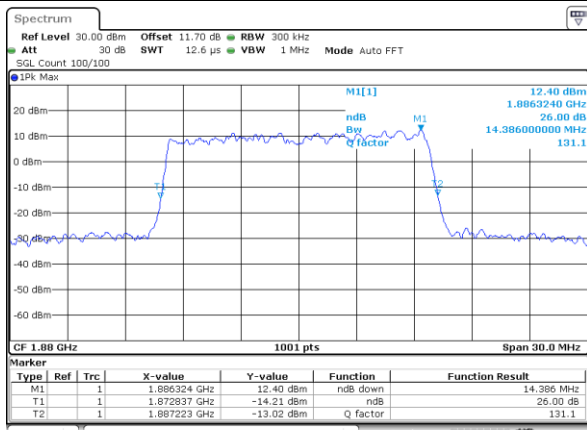
Date: 3.FEB.2020 14:19:30

Lowest Channel / 20MHz / 64QAM



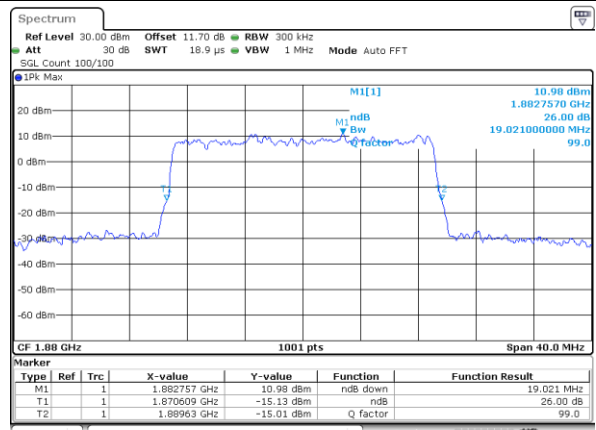
Date: 3.FEB.2020 15:03:01

Middle Channel / 15MHz / 64QAM



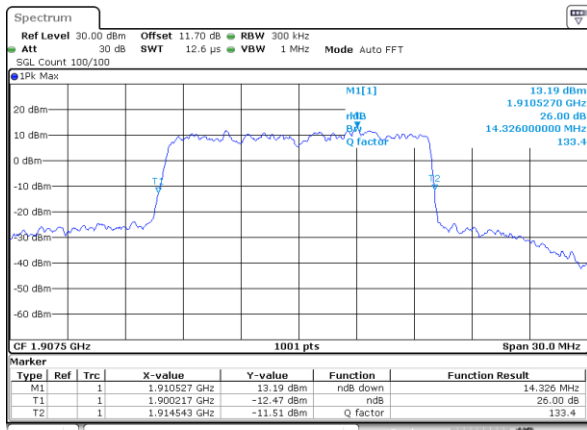
Date: 3.FEB.2020 14:23:05

Middle Channel / 20MHz / 64QAM



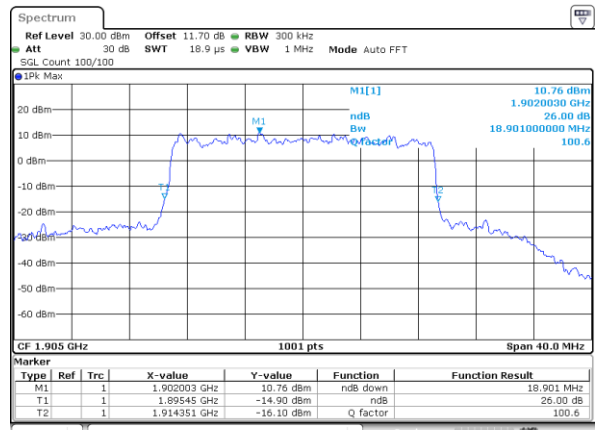
Date: 3.FEB.2020 15:06:36

Highest Channel / 15MHz / 64QAM



Date: 3.FEB.2020 14:24:37

Highest Channel / 20MHz / 64QAM



Date: 3.FEB.2020 15:08:08



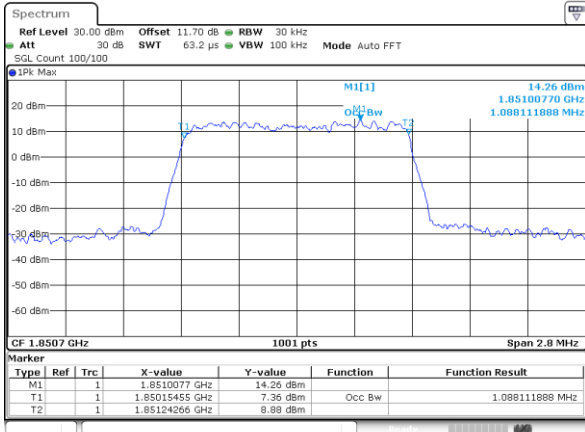
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.72	2.73	4.52	4.51	8.99	9.01	13.43	13.43	17.82	17.86
Middle CH	1.09	1.09	2.72	2.72	4.48	4.49	9.03	9.03	13.55	13.37	17.90	17.90
Highest CH	1.09	1.09	2.73	2.72	4.49	4.49	9.01	9.05	13.49	13.43	17.94	17.82
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.51	-	9.01	-	13.46	-	17.98	-
Middle CH	1.09	-	2.72	-	4.52	-	9.03	-	13.46	-	17.86	-
Highest CH	1.09	-	2.73	-	4.49	-	9.01	-	13.40	-	17.82	-



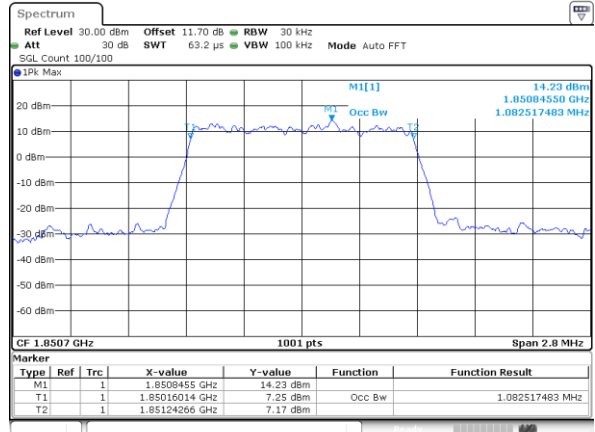
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



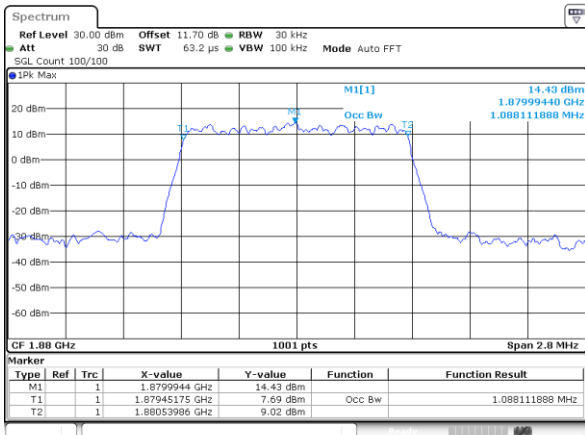
Date: 3.FEB.2020 11:04:48

Lowest Channel / 1.4MHz / 16QAM



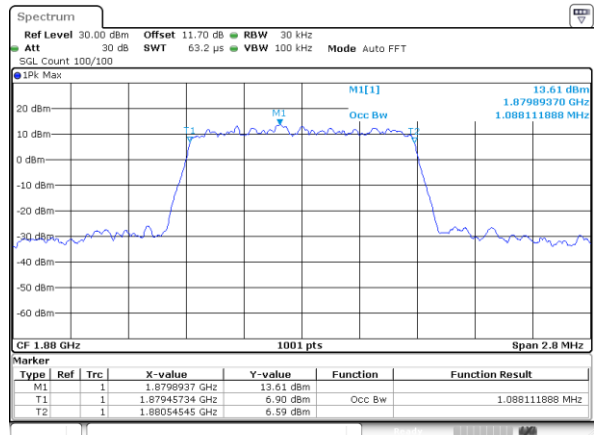
Date: 3.FEB.2020 11:05:02

Middle Channel / 1.4MHz / QPSK



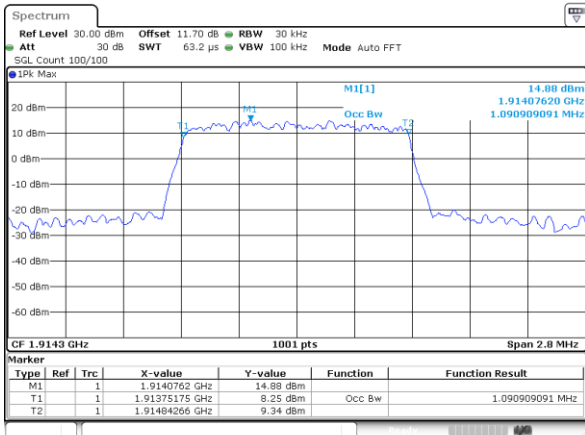
Date: 3.FEB.2020 11:12:11

Middle Channel / 1.4MHz / 16QAM



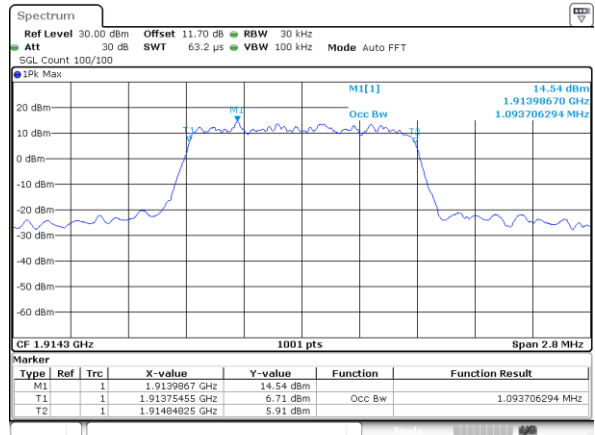
Date: 3.FEB.2020 11:12:25

Highest Channel / 1.4MHz / QPSK



Date: 3.FEB.2020 11:15:16

Highest Channel / 1.4MHz / 16QAM

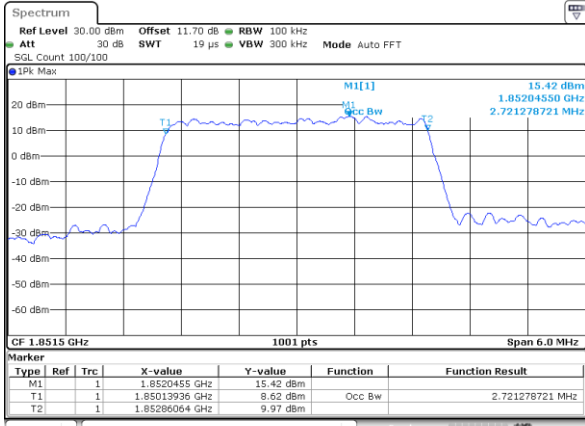


Date: 3.FEB.2020 11:15:30



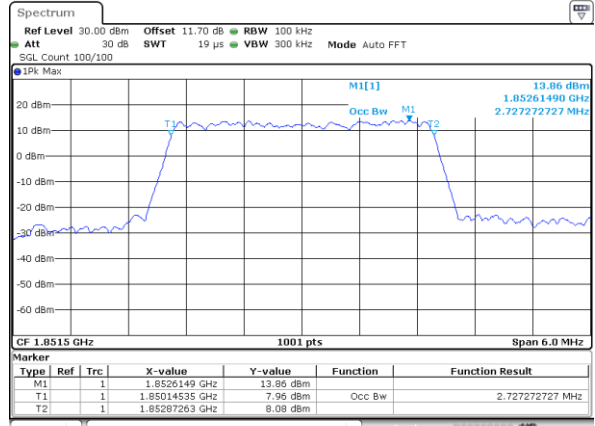
LTE Band 25

Lowest Channel / 3MHz / QPSK



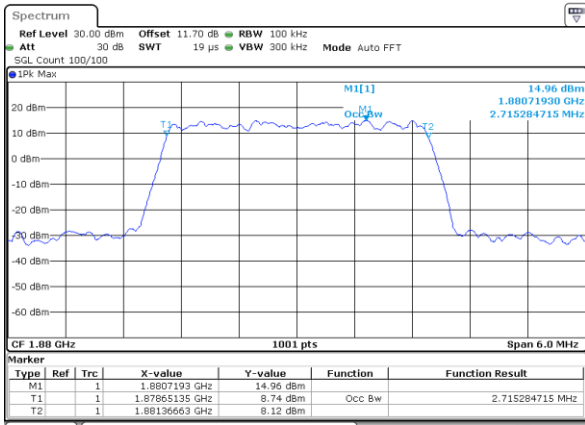
Date: 3.FEB.2020 11:40:46

Lowest Channel / 3MHz / 16QAM



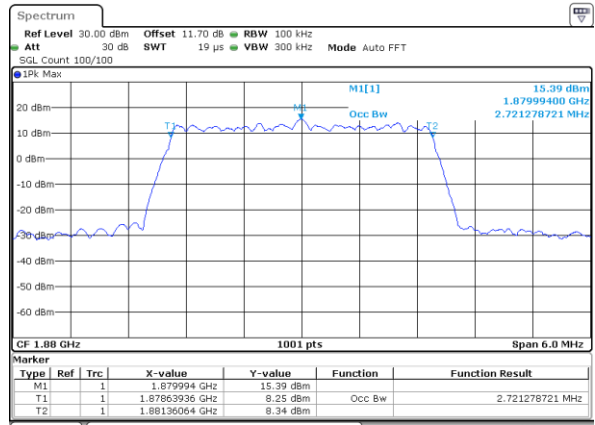
Date: 3.FEB.2020 11:41:00

Middle Channel / 3MHz / QPSK



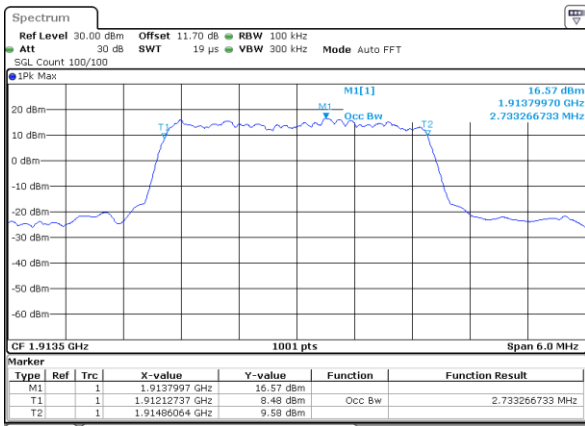
Date: 3.FEB.2020 11:47:56

Middle Channel / 3MHz / 16QAM



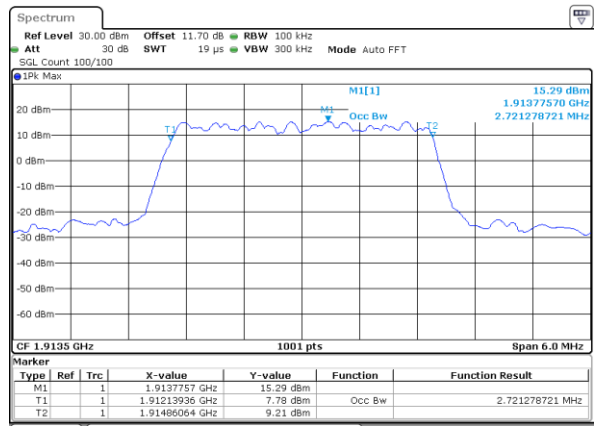
Date: 3.FEB.2020 11:48:09

Highest Channel / 3MHz / QPSK



Date: 3.FEB.2020 11:51:02

Highest Channel / 3MHz / 16QAM

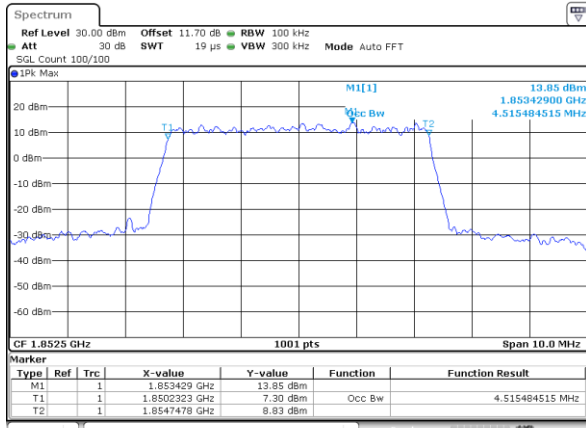


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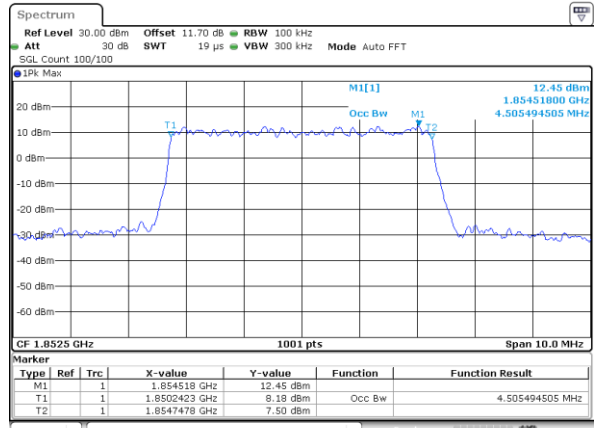
LTE Band 25

Lowest Channel / 5MHz / QPSK



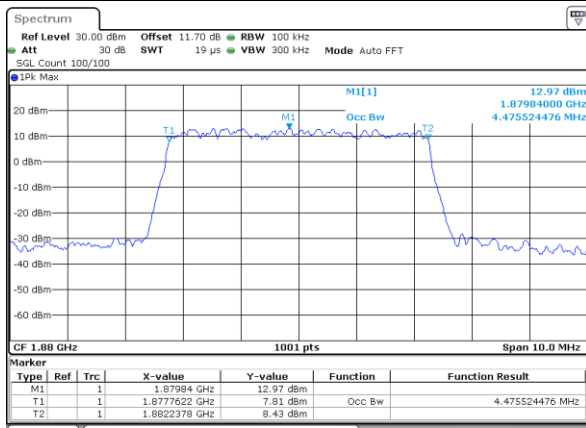
Date: 3.FEB.2020 11:58:13

Lowest Channel / 5MHz / 16QAM



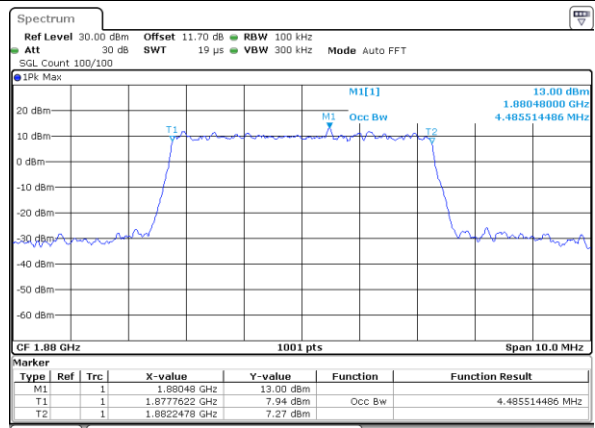
Date: 3.FEB.2020 11:58:26

Middle Channel / 5MHz / QPSK



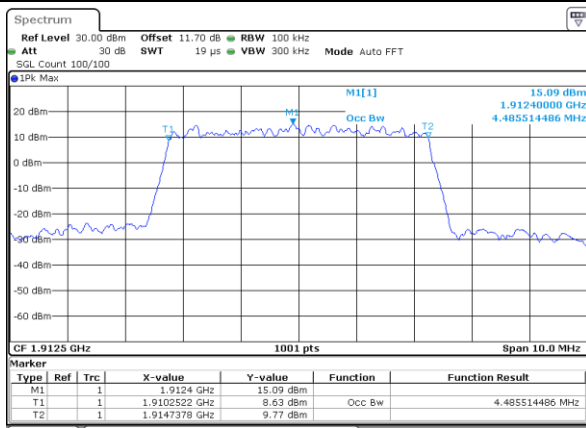
Date: 3.FEB.2020 13:24:09

Middle Channel / 5MHz / 16QAM



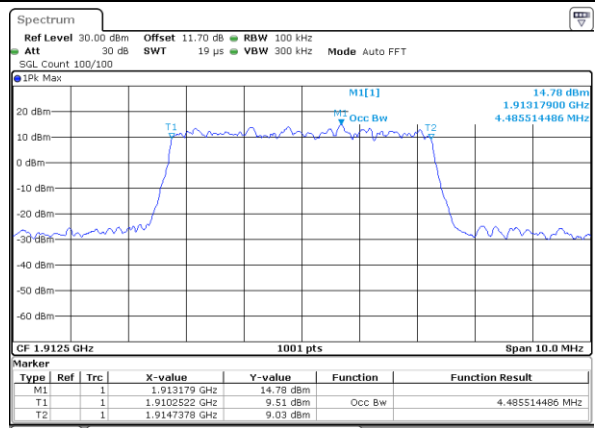
Date: 3.FEB.2020 13:24:23

Highest Channel / 5MHz / QPSK



Date: 3.FEB.2020 13:37:15

Highest Channel / 5MHz / 16QAM

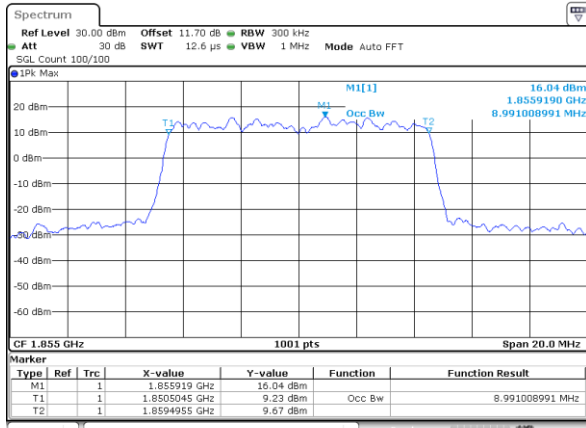


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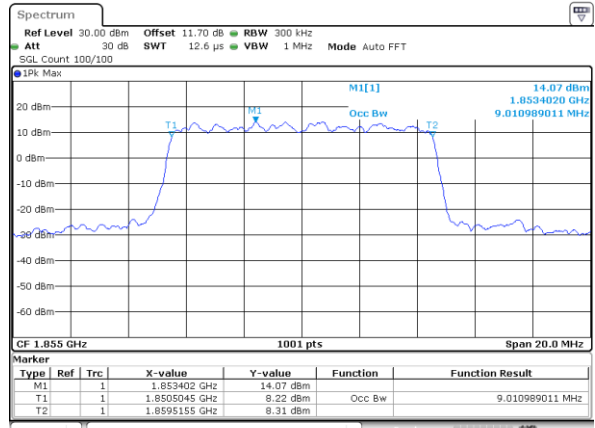
LTE Band 25

Lowest Channel / 10MHz / QPSK



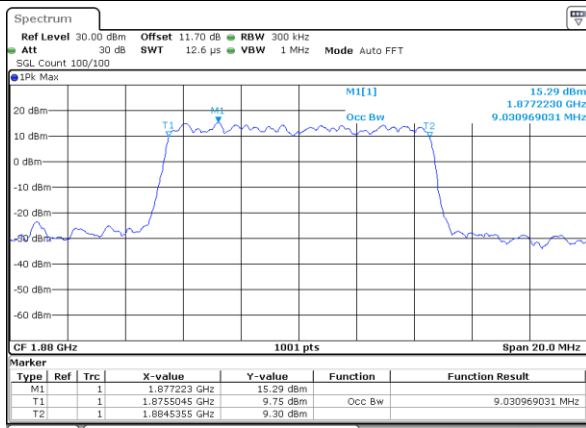
Date: 3.FEB.2020 13:53:08

Lowest Channel / 10MHz / 16QAM



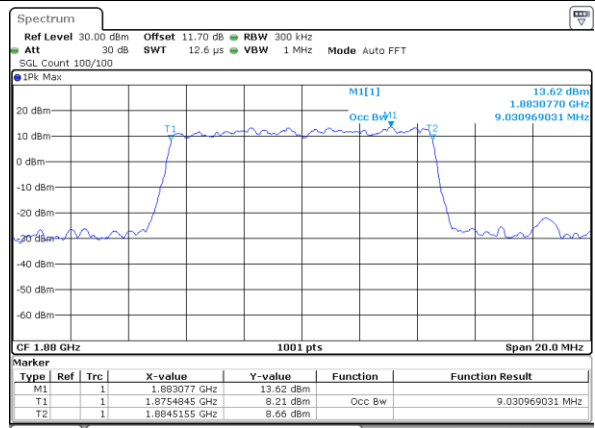
Date: 3.FEB.2020 13:53:22

Middle Channel / 10MHz / QPSK



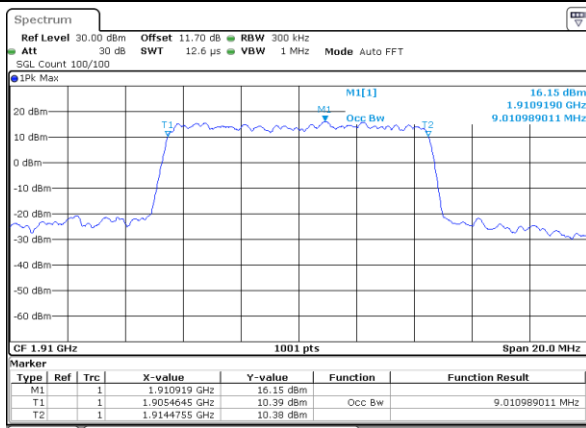
Date: 3.FEB.2020 14:00:18

Middle Channel / 10MHz / 16QAM



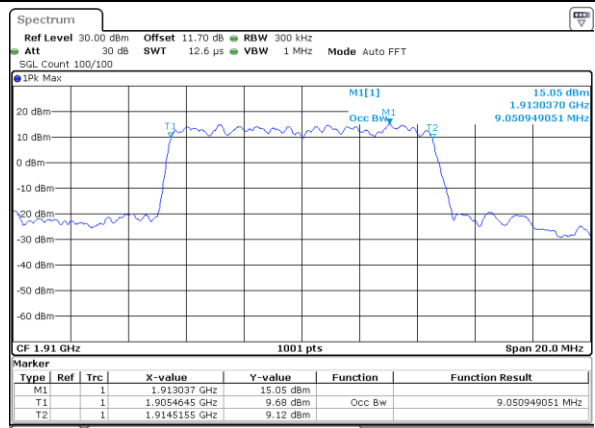
Date: 3.FEB.2020 14:00:32

Highest Channel / 10MHz / QPSK



Date: 3.FEB.2020 14:00:23

Highest Channel / 10MHz / 16QAM



Date: 3.FEB.2020 14:00:37