

FCC TEST REPORT

For

EMV Android Validator

Model Number: FX925F PM, FX925F WM

FCC ID: 2AGQIFX925F

Report Number : WT198005846

Test Laboratory : Shenzhen Academy of Metrology and Quality
Inspection
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Test report declaration

Applicant : FAMOCO SAS
Address : 59 avenue Victor Hugo Paris, France

Manufacturer : FAMOCO SAS
Address : 59 avenue Victor Hugo Paris, France

EUT : EMV Android Validator
Description
Model No : FX925F PM, FX925F WM
Trade mark : FAMOCO
FCC ID : 2AGQIFX925F

Test Standards:

FCC PART 22H , 24E AND 27(2018)

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26 (2015) & KDB971168 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 22H, 24E and 27.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

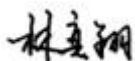
Project
Engineer:



(Chen Silin 陈司林)

Date: Nov.21, 2019

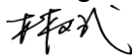
Checked by:



(Lin Yixiang 林奕翔)

Date: Nov.21, 2019

Approved by:



(Lin Bin 林斌)

Date: Nov.21, 2019

TABLE OF CONTENTS

TEST REPORT DECLARATION	2
1. TEST RESULTS SUMMARY	4
2. GENERAL INFORMATION	5
2.1. Report information.....	5
2.2. Laboratory Accreditation and Relationship to Customer	5
2.3. Measurement Uncertainty	6
3. PRODUCT DESCRIPTION.....	7
3.1. EUT Description.....	7
3.2. Related Submittal(s) / Grant (s)	8
3.3. Block Diagram of EUT Configuration	8
3.4. Operating Condition of EUT.....	9
3.5. Support Equipment List	47
3.6. Test Conditions	47
3.7. Special Accessories	47
3.8. Equipment Modifications	47
4. TEST EQUIPMENT USED.....	48
5. TEST RESULTS.....	49
5.1. RF Power Output.....	49
5.2. Peak to Average Ratio.....	87
5.3. Occupied Bandwidth/Emission Bandwidth	94
5.4. Spurious Emission at Antenna Terminal	184
5.5. Spurious Emissions Radiated	630
5.6. Frequency Stability.....	659

1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

FCC Measurement Specification	FCC Limits Part(s)	Description	Result
2.1046	22.913 24.232 27.50 (b) 27.50(c) 27.50(d) 27.50(h)	Effective Radiated Power of Transmitter	PASS
2.1046	22.913 24.232 27.50 (b) 27.50(c) 27.50(d) 27.50(h)	Peak to Average Ratio	PASS
2.1049	22.917(b) 24.238(b) 27.53	Occupied Bandwidth	PASS
2.1051	22.917 24.238 27.53	Spurious Emission at Antenna Terminal	PASS
2.1053	22.917 24.238 27.53	Radiated Spurious Emissions	PASS
2.1055	22.355 24.235 27.54	Frequency Stability	PASS

Remark: "N/A" means "Not applicable."

The tests documented in this report were performed in accordance with ANSI C63.26 (2015), FCC CFR 47 Part 2, Part 22H, 24E & Part 27.

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The samples mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

2.3.Measurement Uncertainty

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

Radiated Emission

30MHz~1000MHz 4.5dB

1GHz~26.5GHz 4.6dB

26dB & Occupied Bandwidth: $\pm 0.39\%$

Frequency Stability: $\pm 0.42\%$

Peak to Average Ratio: 0.45 dB

Conducted power: 0.3 dB

Temperature: ± 0.698

Supply voltages: $\pm 0.15\%$

3. PRODUCT DESCRIPTION

3.1.EUT Description

Table 2 Specification of the Equipment under Test

Product Type:	EMV Android Validator
Hardware Revision :	FX925F,1
Software Revision :	MOLY.LR12A.R2.MP.V44.1
FCC ID:	2AGQIFX925F
Frequency:	GSM850: TX 824MHz~849MHz RX 869MHz~894MHz PCS1900: TX 1850MHz~1910MHz RX 1930MHz~1990MHz WCDMA 850: TX 824MHz~849MHz RX 869MHz~894MHz WCDMA 1900: TX 1850MHz~1910MHz RX 1930MHz~1990MHz LTE Band 2: TX 1850MHz~1910MHz RX 1930MHz~1990MHz LTE Band 4: TX: 1710MHz~1755MHz RX 2110MHz~2155MHz LTE Band 5: TX 824MHz~849MHz RX 869MHz~894MHz LTE Band 7: TX 2500MHz~2570MHz RX 2620MHz~2690MHz LTE Band 12: TX 699 ~ 716MHz RX 729 ~ 746MHz LTE Band 13: TX 777~ 787MHz RX 746~ 756MHz LTE Band 17: TX 704~716MHz RX 734~ 746MHz LTE Band 38: TX 2570MHz~2620MHz RX 2570MHz~2620MHz LTE Band 41: TX 2555MHz~2655MHz RX: 2555MHz~2655MHz
Type(s) of Modulation:	GSM:GMSK, 8PSK WCDMA:QPSK LTE:QPSK, 16QAM
Antenna Type:	PIFA antenna
Antenna Gain:	699MHz~800MHz: -0.4dBi 824MHz~849MHz: -0.39dBi 1710MHz~1780MHz: 0.45dBi 1850MHz~1910MHz: 0.46dBi 2500MHz~2570MHz: 1.17dBi
Operating voltage:	DC: 10.8V (Low)/12.0V (Nominal)/ 13.2V (Max)

Remark: FX925F PM compared with FX925F WM, only have different model number and appearance. All of the models' circuit theory, electrical design and the Critical Components are the same. The differences do not affect the RF performance. Unless otherwise specified, the model FX925F PM was chosen as representative model to perform all the tests.

This is test report is for application of FCC ID: 2AGQIFX925F, which consists of reuse data of FCC ID: 2AGQIFX205. The FX925F PM adds scanner and USB HUB function, changes NFC operation on hardware and software.

The WWAN, WLAN and Bluetooth's circuit theory, electrical design and the critical components are the same. Considering above changes, in this test report, Effective Radiated Power of Transmitter, Peak to Average Ratio, Occupied Bandwidth, Radiated Spurious Emissions, Frequency Stability was re-tested test data from Test Report: WT198003471 are reused in this report to cover other test items.

Table 3 Identification of the Equipment Under Test (EUT)

EUT	Serial Number/IMEI	HW Version	SW Version	Notes
1	355288101468611	FX925F,1	MOLY.LR12A.R 2.MP.V44.1	Conducted testing sample.
2.	355288101468314	FX925F,1	MOLY.LR12A.R 2.MP.V44.1	Radiated testing sample.

Table 4 Identification of Accessory equipment

AE #	Type	Manufacturer	Model	Serial Number
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3.2.Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2AGQIFX925F filing to comply with FCC PART 22H, 24E AND 27.

3.3.Block Diagram of EUT Configuration

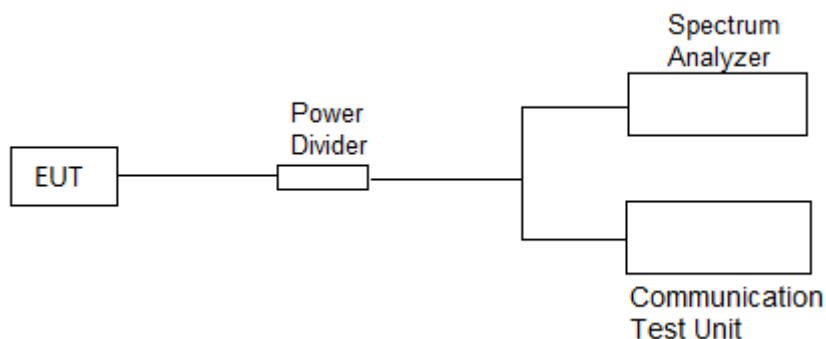


Figure 1 EUT setup of test mode 1, 2, 3, 4, 5

3.4. Operating Condition of EUT

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (X plane).

- TM1:** GSM Mode with GMSK Modulation
- TM2:** EDGE Mode with 8PSK Modulation
- TM3:** WCDMA Mode with QPSK Modulation
- TM4:** LTE Mode with QPSK Modulation
- TM5:** LTE Mode with 16QAM Modulation

The maximum power levels are GSM mode for GMSK link, Edge mode for 8PSK link, WCDMA mode for QPSK link, LTE Mode for QPSK link ,LTE mode for 16QAM link. only these modes were used for all tests.

The conducted power tables are as follows:

Band: GSM850	Average Power [dBm]		
Channel	128	190	251
Frequency (MHz)	824.2	836.6	848.8
GSM (GMSK, 1 Tx slot)	32.75	32.71	32.49
GPRS (GMSK, 1 Tx slot)	32.74	32.68	32.50
GPRS (GMSK, 2 Tx slots)	32.18	32.11	31.51
GPRS (GMSK, 3 Tx slots)	29.90	29.82	29.33
GPRS (GMSK, 4 Tx slots)	28.66	28.69	28.53
EDGE (8PSK, 1 Tx slot)	28.39	28.38	28.80
EDGE (8PSK, 2 Tx slot)	26.66	27.00	27.54
EDGE (8PSK, 3 Tx slot)	24.04	24.74	25.53
EDGE (8PSK, 4 Tx slot)	23.01	23.00	23.46

Band: GSM1900	Average Power [dBm]		
Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GSM (GMSK, 1 Tx slot)	30.58	30.49	30.13
GPRS (GMSK, 1 Tx slot)	30.53	30.21	29.98
GPRS (GMSK, 2 Tx slots)	29.54	29.25	29.25
GPRS (GMSK, 3 Tx slots)	27.93	27.70	27.54
GPRS (GMSK, 4 Tx slots)	26.70	26.57	26.49
EDGE (8PSK, 1 Tx slot)	26.66	26.65	26.70
EDGE (8PSK, 2 Tx slot)	24.85	25.06	25.10
EDGE (8PSK, 3 Tx slot)	22.45	22.64	22.50
EDGE (8PSK, 4 Tx slot)	20.91	21.06	21.08

Band: WCDMA Band II	Average Power [dBm]		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2K	22.22	22.19	22.26
HSDPA Subtest-1	21.13	21.51	21.56
HSDPA Subtest-2	20.54	21.03	21.15
HSDPA Subtest-3	20.87	21.17	21.13
HSDPA Subtest-4	20.57	21.06	20.89
HSUPA Subtest-1	20.58	21.12	21.25
HSUPA Subtest-2	20.07	20.42	20.53
HSUPA Subtest-3	20.19	19.99	20.15
HSUPA Subtest-4	20.48	20.77	20.84
HSUPA Subtest-5	21.13	21.14	21.55

Band :WCDMA Band V	Average Power [dBm]		
Channel	4,132	4,182	4,233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	23.39	23.19	23.03
HSDPA Subtest-1	22.54	22.30	22.36
HSDPA Subtest-2	21.80	21.69	21.58
HSDPA Subtest-3	21.85	21.44	21.51
HSDPA Subtest-4	21.82	21.44	21.47
HSUPA Subtest-1	20.15	20.27	20.34
HSUPA Subtest-2	20.27	20.34	20.63
HSUPA Subtest-3	21.08	21.29	21.44
HSUPA Subtest-4	19.86	19.81	19.96
HSUPA Subtest-5	21.41	21.35	21.51

LTE Band 2(Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	18607	1850.7	1	0	23.47
			1	3	23.68
			1	5	23.57
			3	0	23.62
			3	2	23.66
			3	3	23.62
			6	0	22.50
	18900	1880	1	0	23.16
			1	3	23.34
			1	5	23.18
			3	0	23.39
			3	2	23.27
			3	3	23.19
			6	0	22.33
	19193	1909.3	1	0	23.10
			1	3	23.11
			1	5	22.99
			3	0	23.13
			3	2	22.59
			3	3	22.56
			6	0	21.45
16QAM	18607	1850.7	1	0	22.65
			1	3	22.77
			1	5	22.61
			3	0	22.57
			3	2	22.69
			3	3	22.60
			6	0	21.48
	18900	1880	1	0	22.43
			1	3	22.75
			1	5	22.47
			3	0	22.24
			3	2	22.12
			3	3	22.27
			6	0	21.35
	19193	1909.3	1	0	22.13
			1	3	22.32
			1	5	22.23
			3	0	22.05
			3	2	21.50
			3	3	21.59
			6	0	20.66

LTE Band 2(Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	18615	1851.5	1	0	22.92
			1	7	22.85
			1	14	22.74
			8	0	21.82
			8	4	21.83
			8	7	21.87
			15	0	21.86
	18900	1880	1	0	22.67
			1	7	22.70
			1	14	22.54
			8	0	21.58
			8	4	21.81
			8	7	21.69
			15	0	21.57
	19185	1908.5	1	0	22.41
			1	7	22.48
			1	14	22.38
			8	0	21.39
			8	4	21.57
			8	7	21.48
			15	0	21.40
16QAM	18615	1851.5	1	0	22.00
			1	7	22.12
			1	14	22.01
			8	0	21.04
			8	4	20.90
			8	7	20.84
			15	0	20.87
	18900	1880	1	0	21.96
			1	7	21.91
			1	14	22.03
			8	0	20.73
			8	4	20.75
			8	7	20.63
			15	0	20.74
	19185	1908.5	1	0	21.62
			1	7	21.71
			1	14	21.59
			8	0	20.51
			8	4	20.43
			8	7	20.43
			15	0	20.54

LTE Band 2 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	18625	1852.5	1	0	22.92
			1	12	23.15
			1	24	22.73
			12	0	21.73
			12	6	21.90
			12	13	21.81
			25	0	21.92
	18900	1880	1	0	22.64
			1	12	23.00
			1	24	22.63
			12	0	21.64
			12	6	21.80
			12	13	21.58
			25	0	21.77
	19175	1907.5	1	0	22.49
			1	12	22.71
			1	24	22.45
			12	0	21.47
			12	6	21.54
			12	13	21.33
			25	0	21.55
16QAM	18625	1852.5	1	0	22.12
			1	12	22.30
			1	24	22.04
			12	0	20.84
			12	6	21.03
			12	13	20.99
			25	0	20.83
	18900	1880	1	0	21.82
			1	12	22.08
			1	24	21.83
			12	0	20.87
			12	6	20.84
			12	13	20.87
			25	0	20.82
	19175	1907.5	1	0	21.66
			1	12	21.89
			1	24	21.48
			12	0	20.59
			12	6	20.44
			12	13	20.43
			25	0	20.48

LTE Band 2 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	18650	1855	1	0	22.93
			1	24	23.10
			1	49	22.71
			25	0	21.78
			25	12	21.85
			25	25	22.09
			50	0	21.81
	18900	1880	1	0	22.67
			1	24	22.90
			1	49	22.62
			25	0	21.74
			25	12	21.68
			25	25	21.72
			50	0	21.68
	19150	1905	1	0	22.60
			1	24	22.72
			1	49	22.41
			25	0	21.60
			25	12	21.44
			25	25	21.44
			50	0	21.65
16QAM	18650	1855	1	0	22.16
			1	24	22.38
			1	49	21.94
			25	0	20.99
			25	12	21.05
			25	25	21.02
			50	0	20.86
	18900	1880	1	0	22.06
			1	24	22.26
			1	49	21.77
			25	0	20.87
			25	12	20.87
			25	25	20.77
			50	0	20.71
	19150	1905	1	0	21.60
			1	24	21.83
			1	49	21.38
			25	0	20.76
			25	12	20.46
			25	25	20.55
			50	0	20.56

LTE Band 2 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	18675	1857.5	1	0	22.75
			1	37	22.78
			1	74	22.64
			37	0	21.88
			37	18	21.90
			37	38	21.81
			75	0	21.90
	18900	1880	1	0	22.67
			1	37	22.65
			1	74	22.51
			37	0	21.85
			37	18	21.87
			37	38	21.72
			75	0	21.98
	19125	1902.5	1	0	22.62
			1	37	22.65
			1	74	22.45
			37	0	21.71
			37	18	21.57
			37	38	21.56
			75	0	21.59
16QAM	18675	1857.5	1	0	22.05
			1	37	22.14
			1	74	21.78
			37	0	20.89
			37	18	21.00
			37	38	21.04
			75	0	20.86
	18900	1880	1	0	21.93
			1	37	21.94
			1	74	21.90
			37	0	20.91
			37	18	20.79
			37	38	20.78
			75	0	20.88
	19125	1902.5	1	0	21.68
			1	37	21.63
			1	74	21.68
			37	0	20.78
			37	18	20.64
			37	38	20.52
			75	0	20.73

LTE Band 2 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	18700	1860	1	0	22.79
			1	49	23.02
			1	99	22.55
			50	0	21.63
			50	25	21.82
			50	50	21.56
			100	0	21.64
	18900	1880	1	0	22.61
			1	49	22.96
			1	99	22.45
			50	0	21.80
			50	25	21.68
			50	50	21.74
			100	0	21.90
	19100	1900	1	0	22.26
			1	49	22.65
			1	99	22.14
			50	0	21.49
			50	25	21.62
			50	50	21.37
			100	0	21.55
16QAM	18700	1860	1	0	22.01
			1	49	22.25
			1	99	21.63
			50	0	20.68
			50	25	20.84
			50	50	20.62
			100	0	20.67
	18900	1880	1	0	21.93
			1	49	22.22
			1	99	21.81
			50	0	20.92
			50	25	20.69
			50	50	20.77
			100	0	20.84
	19100	1900	1	0	21.58
			1	49	21.79
			1	99	21.31
			50	0	20.58
			50	25	20.55
			50	50	20.35
			100	0	20.53

LTE Band 4 (Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	131979	1710.7	1	0	22.45
			1	3	22.58
			1	5	22.58
			3	0	22.59
			3	2	22.59
			3	3	22.64
			6	0	21.62
	132322	1745	1	0	22.55
			1	3	22.61
			1	5	22.48
			3	0	22.67
			3	2	22.55
			3	3	22.56
			6	0	21.78
	132665	1779.3	1	0	22.58
			1	3	22.80
			1	5	22.64
			3	0	22.68
			3	2	22.47
			3	3	22.52
			6	0	21.76
16QAM	131979	1710.7	1	0	21.78
			1	3	21.88
			1	5	21.85
			3	0	21.54
			3	2	21.60
			3	3	21.48
			6	0	20.38
	132322	1745	1	0	21.80
			1	3	21.99
			1	5	21.73
			3	0	21.63
			3	2	21.66
			3	3	21.79
			6	0	20.76
	132665	1779.3	1	0	21.82
			1	3	21.81
			1	5	21.70
			3	0	21.73
			3	2	21.72
			3	3	21.73
			6	0	20.48

LTE Band 4 (Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	131987	1711.5	1	0	22.63
			1	7	22.62
			1	14	22.62
			8	0	21.68
			8	4	21.68
			8	7	21.76
			15	0	21.57
	132322	1745	1	0	22.75
			1	7	22.60
			1	14	22.69
			8	0	21.85
			8	4	21.75
			8	7	21.68
			15	0	21.73
	132657	1778.5	1	0	22.60
			1	7	22.50
			1	14	22.60
			8	0	21.84
			8	4	21.85
			8	7	21.78
			15	0	21.73
16QAM	131987	1711.5	1	0	21.96
			1	7	21.91
			1	14	22.07
			8	0	20.62
			8	4	20.69
			8	7	20.68
			15	0	20.53
	132322	1745	1	0	21.82
			1	7	21.79
			1	14	21.75
			8	0	20.62
			8	4	20.69
			8	7	20.60
			15	0	20.74
	132657	1778.5	1	0	21.79
			1	7	21.69
			1	14	21.73
			8	0	20.79
			8	4	20.76
			8	7	20.61
			15	0	20.65

LTE Band 4 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	131997	1712.5	1	0	22.67
			1	12	23.08
			1	24	22.78
			12	0	21.57
			12	6	21.59
			12	13	21.73
			25	0	21.75
	132322	1745	1	0	22.74
			1	12	23.04
			1	24	22.78
			12	0	21.78
			12	6	21.65
			12	13	21.63
			25	0	21.63
	132647	1777.5	1	0	22.62
			1	12	22.97
			1	24	22.57
			12	0	21.72
			12	6	21.75
			12	13	21.70
			25	0	21.75
16QAM	131997	1712.5	1	0	21.62
			1	12	22.16
			1	24	21.90
			12	0	20.60
			12	6	20.82
			12	13	20.68
			25	0	20.53
	132322	1745	1	0	21.87
			1	12	22.13
			1	24	21.75
			12	0	20.57
			12	6	20.78
			12	13	20.72
			25	0	20.79
	132647	1777.5	1	0	21.73
			1	12	22.06
			1	24	21.79
			12	0	20.71
			12	6	20.82
			12	13	20.65
			25	0	20.57

LTE Band 4 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	132022	1715	1	0	22.86
			1	24	23.20
			1	49	23.10
			25	0	21.92
			25	12	22.13
			25	25	22.08
			50	0	22.01
	132322	1745	1	0	23.08
			1	24	23.31
			1	49	23.10
			25	0	22.10
			25	12	22.26
			25	25	22.26
			50	0	22.21
	132622	1775	1	0	23.12
			1	24	23.26
			1	49	23.02
			25	0	22.17
			25	12	22.28
			25	25	22.10
			50	0	22.31
16QAM	132022	1715	1	0	22.07
			1	24	22.53
			1	49	22.41
			25	0	21.01
			25	12	20.93
			25	25	21.08
			50	0	20.98
	132322	1745	1	0	22.22
			1	24	22.40
			1	49	22.32
			25	0	21.11
			25	12	21.17
			25	25	21.14
			50	0	21.21
	132622	1775	1	0	22.30
			1	24	22.40
			1	49	22.29
			25	0	21.23
			25	12	21.23
			25	25	21.16
			50	0	21.12

LTE Band 4 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	132047	1717.5	1	0	22.64
			1	37	22.79
			1	74	22.85
			37	0	22.05
			37	18	21.99
			37	38	22.16
			75	0	22.11
	132322	1745	1	0	22.91
			1	37	22.97
			1	74	23.00
			37	0	22.21
			37	18	22.09
			37	38	22.31
			75	0	22.13
	132597	1772.5	1	0	22.90
			1	37	23.07
			1	74	23.01
			37	0	22.41
			37	18	22.34
			37	38	22.26
			75	0	22.34
16QAM	132047	1717.5	1	0	21.89
			1	37	22.12
			1	74	22.10
			37	0	20.88
			37	18	20.93
			37	38	21.14
			75	0	20.98
	132322	1745	1	0	22.22
			1	37	22.17
			1	74	22.24
			37	0	21.02
			37	18	21.04
			37	38	21.19
			75	0	21.12
	132597	1772.5	1	0	22.02
			1	37	22.22
			1	74	22.19
			37	0	21.28
			37	18	21.27
			37	38	21.09
			75	0	21.19

LTE Band 4 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	132072	1720	1	0	22.59
			1	49	23.12
			1	99	22.75
			50	0	21.78
			50	25	21.93
			50	50	21.88
			100	0	22.01
	132322	1745	1	0	22.70
			1	49	23.09
			1	99	22.89
			50	0	22.02
			50	25	22.00
			50	50	22.00
			100	0	21.91
	132572	1770	1	0	22.54
			1	49	23.11
			1	99	22.74
			50	0	22.13
			50	25	22.09
			50	50	22.04
			100	0	22.02
16QAM	132072	1720	1	0	21.76
			1	49	22.28
			1	99	21.96
			50	0	20.84
			50	25	20.99
			50	50	20.85
			100	0	20.95
	132322	1745	1	0	22.00
			1	49	22.44
			1	99	22.03
			50	0	21.01
			50	25	21.05
			50	50	21.01
			100	0	20.84
	132572	1770	1	0	21.95
			1	49	22.20
			1	99	21.93
			50	0	21.03
			50	25	21.09
			50	50	20.81
			100	0	20.96

LTE Band 5(Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20407	824.7	1	0	22.85
			1	3	22.91
			1	5	22.83
			3	0	22.78
			3	2	22.87
			3	3	22.83
			6	0	21.80
	20525	836.5	1	0	22.82
			1	3	22.87
			1	5	22.82
			3	0	22.74
			3	2	22.87
			3	3	22.77
			6	0	21.69
	20643	848.3	1	0	22.88
			1	3	22.93
			1	5	22.83
			3	0	22.83
			3	2	22.80
			3	3	22.97
			6	0	21.89
16QAM	20407	824.7	1	0	21.88
			1	3	22.03
			1	5	21.88
			3	0	21.67
			3	2	21.74
			3	3	21.68
			6	0	20.87
	20525	836.5	1	0	21.77
			1	3	21.97
			1	5	21.81
			3	0	21.67
			3	2	21.67
			3	3	21.73
			6	0	20.93
	20643	848.3	1	0	21.79
			1	3	21.85
			1	5	21.93
			3	0	21.75
			3	2	21.74
			3	3	21.68
			6	0	20.82

LTE Band 5(Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20415	825.5	1	0	23.52
			1	7	23.46
			1	14	23.50
			8	0	22.42
			8	4	22.54
			8	7	22.46
			15	0	22.46
	20525	836.5	1	0	23.27
			1	7	23.29
			1	14	23.41
			8	0	22.34
			8	4	22.37
			8	7	22.36
			15	0	22.38
	20635	847.5	1	0	23.39
			1	7	23.34
			1	14	23.36
			8	0	22.36
			8	4	22.41
			8	7	22.46
16QAM	20415	825.5	1	0	22.84
			1	7	22.68
			1	14	22.69
			8	0	21.52
			8	4	21.57
			8	7	21.43
			15	0	21.37
	20525	836.5	1	0	22.64
			1	7	22.56
			1	14	22.57
			8	0	21.52
			8	4	21.61
			8	7	21.46
			15	0	21.43
	20635	847.5	1	0	22.61
			1	7	22.59
			1	14	22.60
			8	0	21.37
			8	4	21.47
			8	7	21.52
			15	0	21.37

LTE Band 5(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20425	826.5	1	0	23.42
			1	12	23.88
			1	24	23.47
			12	0	22.35
			12	6	22.49
			12	13	22.44
			25	0	22.49
	20525	836.5	1	0	23.30
			1	12	23.73
			1	24	23.50
			12	0	22.42
			12	6	22.36
			12	13	22.32
			25	0	22.41
	20625	846.5	1	0	23.25
			1	12	23.69
			1	24	23.51
			12	0	22.46
			12	6	22.46
			12	13	22.43
			25	0	22.35
16QAM	20425	826.5	1	0	22.61
			1	12	22.92
			1	24	22.72
			12	0	21.48
			12	6	21.64
			12	13	21.57
			25	0	21.55
	20525	836.5	1	0	22.41
			1	12	22.82
			1	24	22.74
			12	0	21.41
			12	6	21.52
			12	13	21.44
			25	0	21.42
	20625	846.5	1	0	22.55
			1	12	22.99
			1	24	22.68
			12	0	21.45
			12	6	21.56
			12	13	21.49
			25	0	21.40

LTE Band 5 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20450	829	1	0	23.45
			1	24	23.70
			1	49	23.61
			25	0	22.49
			25	12	22.46
			25	25	22.53
			50	0	22.46
	20525	836.5	1	0	23.41
			1	24	23.52
			1	49	23.48
			25	0	22.50
			25	12	22.49
			25	25	22.58
			50	0	22.46
	20600	844	1	0	23.12
			1	24	23.44
			1	49	23.63
			25	0	22.31
			25	12	22.32
			25	25	22.36
			50	0	22.37
16QAM	20450	829	1	0	22.72
			1	24	23.02
			1	49	22.77
			25	0	21.53
			25	12	21.61
			25	25	21.49
			50	0	21.52
	20525	836.5	1	0	22.61
			1	24	22.85
			1	49	22.84
			25	0	21.63
			25	12	21.58
			25	25	21.63
			50	0	21.57
	20600	844	1	0	22.41
			1	24	22.75
			1	49	22.70
			25	0	21.41
			25	12	21.50
			25	25	21.47
			50	0	21.50

LTE Band 7 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20775	2502.5	1	0	20.67
			1	12	20.99
			1	24	20.64
			12	0	19.75
			12	6	19.74
			12	13	19.80
			25	0	19.78
	21100	2535	1	0	20.80
			1	12	20.97
			1	24	20.79
			12	0	19.79
			12	6	19.84
			12	13	19.71
			25	0	19.69
	21425	2567.5	1	0	20.83
			1	12	21.12
			1	24	20.87
			12	0	19.94
			12	6	20.02
			12	13	19.82
			25	0	19.96
16QAM	20775	2502.5	1	0	19.90
			1	12	20.23
			1	24	20.01
			12	0	18.83
			12	6	18.82
			12	13	18.91
			25	0	18.83
	21100	2535	1	0	19.89
			1	12	20.14
			1	24	19.97
			12	0	18.65
			12	6	18.83
			12	13	18.70
			25	0	18.83
	21425	2567.5	1	0	20.06
			1	12	20.29
			1	24	20.20
			12	0	18.96
			12	6	19.05
			12	13	18.83
			25	0	18.96

LTE Band 7 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20800	2505	1	0	20.67
			1	24	20.84
			1	49	20.80
			25	0	19.75
			25	12	19.67
			25	25	19.76
			50	0	19.77
	21100	2535	1	0	20.75
			1	24	20.84
			1	49	20.79
			25	0	19.75
			25	12	19.83
			25	25	19.77
			50	0	19.85
	21400	2565	1	0	20.66
			1	24	21.09
			1	49	20.84
			25	0	19.93
			25	12	19.83
			25	25	20.03
			50	0	19.93
16QAM	20800	2505	1	0	19.90
			1	24	20.22
			1	49	19.99
			25	0	18.69
			25	12	18.78
			25	25	18.83
			50	0	18.74
	21100	2535	1	0	19.95
			1	24	20.15
			1	49	20.07
			25	0	18.81
			25	12	18.86
			25	25	18.84
			50	0	18.82
	21400	2565	1	0	20.01
			1	24	20.39
			1	49	20.18
			25	0	19.01
			25	12	18.93
			25	25	18.95
			50	0	19.01

LTE Band 7 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20825	2507.5	1	0	20.65
			1	37	20.71
			1	74	20.64
			37	0	19.63
			37	18	19.84
			37	38	19.90
			75	0	19.87
	21100	2535	1	0	20.74
			1	37	20.81
			1	74	20.62
			37	0	19.73
			37	18	19.78
			37	38	19.94
			75	0	19.99
	21375	2562.5	1	0	20.58
			1	37	20.80
			1	74	20.73
			37	0	19.83
			37	18	19.89
			37	38	19.97
			75	0	20.04
16QAM	20825	2507.5	1	0	19.89
			1	37	20.07
			1	74	20.01
			37	0	18.72
			37	18	18.74
			37	38	18.93
			75	0	18.71
	21100	2535	1	0	19.96
			1	37	20.04
			1	74	19.87
			37	0	18.84
			37	18	18.74
			37	38	18.80
			75	0	18.88
	21375	2562.5	1	0	19.89
			1	37	20.18
			1	74	20.14
			37	0	18.89
			37	18	18.97
			37	38	18.94
			75	0	18.92

LTE Band 7 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20850	2510	1	0	20.07
			1	49	20.60
			1	99	20.04
			50	0	19.12
			50	25	19.58
			50	50	19.72
			100	0	19.35
	21100	2535	1	0	19.91
			1	49	20.30
			1	99	19.94
			50	0	19.31
			50	25	19.32
			50	50	19.54
			100	0	19.36
	21350	2560	1	0	20.22
			1	49	20.55
			1	99	20.29
			50	0	19.35
			50	25	19.36
			50	50	19.37
			100	0	19.49
16QAM	20850	2510	1	0	19.39
			1	49	19.90
			1	99	19.53
			50	0	18.20
			50	25	18.66
			50	50	18.66
			100	0	18.23
	21100	2535	1	0	19.29
			1	49	19.52
			1	99	19.36
			50	0	18.29
			50	25	18.40
			50	50	18.58
			100	0	18.22
	21350	2560	1	0	19.35
			1	49	19.87
			1	99	19.58
			50	0	18.28
			50	25	18.37
			50	50	18.40
			100	0	18.41

LTE Band 12(Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23017	699.7	1	0	23.17
			1	3	23.32
			1	5	23.11
			3	0	23.17
			3	2	23.31
			3	3	23.12
			6	0	22.29
	23095	707.5	1	0	23.23
			1	3	23.29
			1	5	23.20
			3	0	23.20
			3	2	23.32
			3	3	23.37
			6	0	22.35
	23173	715.3	1	0	23.56
			1	3	23.74
			1	5	23.50
			3	0	23.43
			3	2	23.46
			3	3	23.38
			6	0	22.49
16QAM	23017	699.7	1	0	22.25
			1	3	22.37
			1	5	22.20
			3	0	22.15
			3	2	22.27
			3	3	22.12
			6	0	21.19
	23095	707.5	1	0	22.43
			1	3	22.50
			1	5	22.34
			3	0	22.34
			3	2	22.42
			3	3	22.33
			6	0	21.33
	23173	715.3	1	0	22.44
			1	3	22.68
			1	5	22.46
			3	0	22.41
			3	2	22.44
			3	3	22.42
			6	0	21.32

LTE Band 12(Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23025	700.5	1	0	23.16
			1	7	23.27
			1	14	23.18
			8	0	22.13
			8	4	22.20
			8	7	22.06
			15	0	22.04
	23095	707.5	1	0	23.07
			1	7	23.14
			1	14	23.19
			8	0	22.30
			8	4	22.27
			8	7	22.24
			15	0	22.32
	23165	714.5	1	0	23.48
			1	7	23.41
			1	14	23.51
			8	0	22.39
			8	4	22.61
			8	7	22.46
16QAM	23025	700.5	15	0	22.41
			1	0	22.30
			1	7	22.19
			1	14	22.35
			8	0	20.93
			8	4	20.99
			8	7	21.09
			15	0	21.04
	23095	707.5	1	0	22.47
			1	7	22.43
			1	14	22.44
			8	0	21.15
			8	4	21.29
			8	7	21.34
			15	0	21.15
	23165	714.5	1	0	22.41
			1	7	22.54
			1	14	22.56
			8	0	21.36
			8	4	21.42
			8	7	21.35
			15	0	21.20

LTE Band 12(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23035	701.5	1	0	23.29
			1	12	23.59
			1	24	23.23
			12	0	22.10
			12	6	22.19
			12	13	22.04
			25	0	22.21
	23095	707.5	1	0	23.19
			1	12	23.36
			1	24	23.25
			12	0	22.13
			12	6	22.18
			12	13	22.37
			25	0	22.27
	23155	713.5	1	0	23.30
			1	12	23.74
			1	24	23.44
			12	0	22.31
			12	6	22.51
			12	13	22.37
			25	0	22.36
16QAM	23035	701.5	1	0	22.17
			1	12	22.48
			1	24	22.39
			12	0	21.05
			12	6	21.15
			12	13	21.03
			25	0	21.17
	23095	707.5	1	0	22.35
			1	12	22.69
			1	24	22.47
			12	0	21.29
			12	6	21.34
			12	13	21.25
			25	0	21.20
	23155	713.5	1	0	22.33
			1	12	22.75
			1	24	22.42
			12	0	21.46
			12	6	21.44
			12	13	21.22
			25	0	21.27

LTE Band 12(Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23060	704	1	0	23.08
			1	24	23.30
			1	49	23.30
			25	0	22.19
			25	12	22.15
			25	25	22.34
			50	0	22.24
	23095	707.5	1	0	23.10
			1	24	23.34
			1	49	23.34
			25	0	22.14
			25	12	22.38
			25	25	22.35
			50	0	22.40
	23130	711	1	0	23.23
			1	24	23.48
			1	49	23.56
			25	0	22.33
			25	12	22.41
			25	25	22.42
			50	0	22.20
16QAM	23060	704	1	0	22.28
			1	24	22.52
			1	49	22.56
			25	0	21.23
			25	12	21.12
			25	25	21.30
			50	0	21.24
	23095	707.5	1	0	22.37
			1	24	22.55
			1	49	22.39
			25	0	21.27
			25	12	21.11
			25	25	21.33
			50	0	21.25
	23130	711	1	0	22.36
			1	24	22.52
			1	49	22.57
			25	0	21.28
			25	12	21.23
			25	25	21.25
			50	0	21.16

LTE Band 13(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23205	779.5	1	0	23.96
			1	12	24.25
			1	24	23.80
			12	0	22.83
			12	6	22.84
			12	13	22.85
			25	0	22.88
	23230	782	1	0	23.69
			1	12	24.00
			1	24	23.74
			12	0	22.66
			12	6	22.66
			12	13	22.78
			25	0	22.63
	23255	784.5	1	0	23.65
			1	12	23.98
			1	24	23.64
			12	0	22.52
			12	6	22.55
			12	13	22.46
16QAM	23205	779.5	25	0	22.62
			1	0	23.02
			1	12	23.28
			1	24	22.99
			12	0	21.94
			12	6	21.96
			12	13	21.98
	23230	782	25	0	21.77
			1	0	22.91
			1	12	23.17
			1	24	22.84
			12	0	21.63
			12	6	21.83
	23255	784.5	12	13	21.72
			25	0	21.71
			1	0	22.69
			1	12	23.07
			1	24	22.77
			12	0	21.62
			12	6	21.69
			12	13	21.69
			25	0	21.54

LTE Band 13(Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23230	782	1	0	23.81
			1	24	23.82
			1	49	23.59
			25	0	22.65
			25	12	22.78
			25	25	22.73
			50	0	22.72
16QAM	23230	782	1	0	22.98
			1	24	23.12
			1	49	22.75
			25	0	21.75
			25	12	21.75
			25	25	21.61
			50	0	21.63

LTE Band 17(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23755	706.5	1	0	23.15
			1	12	23.56
			1	24	23.37
			12	0	22.35
			12	6	22.28
			12	13	22.41
			25	0	22.35
	23790	710	1	0	23.35
			1	12	23.75
			1	24	23.48
			12	0	22.27
			12	6	22.45
			12	13	22.38
			25	0	22.31
	23825	713.5	1	0	23.30
			1	12	23.82
			1	24	23.53
			12	0	22.40
			12	6	22.57
			12	13	22.44
16QAM	23755	706.5	25	0	22.36
			1	0	22.29
			1	12	22.76
			1	24	22.39
			12	0	21.26
			12	6	21.52
			12	13	21.39
	23790	710	25	0	21.29
			1	0	22.54
			1	12	22.94
			1	24	22.49
			12	0	21.30
			12	6	21.51
	23825	713.5	12	13	21.42
			25	0	21.39
			1	0	22.42
			1	12	22.85
			1	24	22.49
			12	0	21.53
			12	6	21.60
			12	13	21.30
			25	0	21.36

LTE Band 17(Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23780	709	1	0	23.30
			1	24	23.50
			1	49	23.53
			25	0	22.35
			25	12	22.48
			25	25	22.45
			50	0	22.32
	23790	710	1	0	23.17
			1	24	23.59
			1	49	23.56
			25	0	22.40
			25	12	22.48
			25	25	22.41
			50	0	22.37
	23800	711	1	0	23.25
			1	24	23.60
			1	49	23.70
			25	0	22.40
			25	12	22.47
			25	25	22.38
			50	0	22.33
16QAM	23780	709	1	0	22.42
			1	24	22.68
			1	49	22.41
			25	0	21.25
			25	12	21.42
			25	25	21.26
			50	0	21.25
	23790	710	1	0	22.52
			1	24	22.70
			1	49	22.48
			25	0	21.18
			25	12	21.36
			25	25	21.30
			50	0	21.22
	23800	711	1	0	22.59
			1	24	22.68
			1	49	22.74
			25	0	21.29
			25	12	21.49
			25	25	21.24
			50	0	21.32

LTE Band 38 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	37775	2572.5	1	0	23.04
			1	12	23.36
			1	24	22.96
			12	0	21.93
			12	6	22.16
			12	13	21.91
			25	0	21.97
	38000	2595	1	0	22.96
			1	12	23.35
			1	24	22.86
			12	0	21.93
			12	6	22.06
			12	13	21.98
			25	0	21.94
	38225	2617.5	1	0	22.92
			1	12	23.31
			1	24	23.04
			12	0	21.92
			12	6	22.03
			12	13	21.88
16QAM	37775	2572.5	25	0	21.98
			1	0	21.97
			1	12	22.17
			1	24	21.91
			12	0	20.98
			12	6	21.04
			12	13	21.08
	38000	2595	25	0	21.07
			1	0	22.23
			1	12	22.60
			1	24	22.20
			12	0	21.08
			12	6	21.02
	38225	2617.5	12	13	20.95
			25	0	21.11
			1	0	21.97
			1	12	22.14
			1	24	21.78
			12	0	20.97
			12	6	20.99
			12	13	20.98
			25	0	21.01

LTE Band 38 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	37800	2575	1	0	23.07
			1	24	23.19
			1	49	23.01
			25	0	22.06
			25	12	21.98
			25	25	22.06
			50	0	22.00
	38000	2595	1	0	22.95
			1	24	23.10
			1	49	22.96
			25	0	22.13
			25	12	21.97
			25	25	22.12
			50	0	21.96
	38200	2615	1	0	22.97
			1	24	23.15
			1	49	23.00
			25	0	22.07
			25	12	22.13
			25	25	22.15
			50	0	22.07
16QAM	37800	2575	1	0	22.17
			1	24	22.40
			1	49	22.21
			25	0	21.09
			25	12	20.96
			25	25	20.93
			50	0	21.10
	38000	2595	1	0	22.14
			1	24	22.28
			1	49	22.20
			25	0	21.01
			25	12	20.90
			25	25	20.97
			50	0	21.00
	38200	2615	1	0	22.20
			1	24	22.27
			1	49	22.04
			25	0	20.94
			25	12	21.07
			25	25	21.01
			50	0	21.13

LTE Band 38 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	37825	2577.5	1	0	23.00
			1	37	22.92
			1	74	23.02
			37	0	22.11
			37	18	22.16
			37	38	22.13
			75	0	22.13
	38000	2595	1	0	22.96
			1	37	23.00
			1	74	22.95
			37	0	22.12
			37	18	21.98
			37	38	22.01
			75	0	22.02
	38175	2612.5	1	0	23.04
			1	37	23.12
			1	74	22.87
			37	0	21.96
			37	18	22.09
			37	38	22.12
			75	0	22.09
16QAM	37825	2577.5	1	0	22.12
			1	37	22.19
			1	74	22.16
			37	0	21.11
			37	18	21.11
			37	38	21.04
			75	0	20.95
	38000	2595	1	0	22.25
			1	37	22.26
			1	74	22.17
			37	0	21.12
			37	18	21.03
			37	38	21.06
			75	0	21.00
	38175	2612.5	1	0	22.03
			1	37	22.12
			1	74	22.06
			37	0	20.91
			37	18	20.95
			37	38	21.13
			75	0	21.03

LTE Band 38 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	37850	2580	1	0	22.91
			1	49	23.24
			1	99	22.85
			50	0	21.96
			50	25	22.02
			50	50	22.07
			100	0	21.98
	38000	2595	1	0	22.74
			1	49	23.31
			1	99	22.97
			50	0	22.03
			50	25	22.06
			50	50	22.01
			100	0	22.06
	38150	2610	1	0	22.67
			1	49	23.12
			1	99	22.81
			50	0	21.92
			50	25	22.09
			50	50	22.13
			100	0	21.91
16QAM	37850	2580	1	0	22.01
			1	49	22.34
			1	99	21.95
			50	0	21.01
			50	25	21.10
			50	50	20.94
			100	0	20.98
	38000	2595	1	0	22.06
			1	49	22.42
			1	99	22.06
			50	0	20.95
			50	25	20.94
			50	50	21.11
			100	0	20.94
	38150	2610	1	0	21.94
			1	49	22.31
			1	99	21.97
			50	0	20.91
			50	25	21.08
			50	50	21.09
			100	0	20.92

LTE Band 41 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	40265	2557.5	1	0	22.83
			1	12	23.13
			1	24	22.84
			12	0	21.90
			12	6	21.95
			12	13	21.86
			25	0	22.00
	40740	2605	1	0	22.93
			1	12	23.39
			1	24	22.98
			12	0	21.96
			12	6	21.94
			12	13	22.05
			25	0	22.04
	41215	2652.5	1	0	22.89
			1	12	23.19
			1	24	22.77
			12	0	21.80
			12	6	21.82
			12	13	21.82
16QAM	40265	2557.5	25	0	21.95
			1	0	22.06
			1	12	22.50
			1	24	22.31
			12	0	21.03
			12	6	21.03
			12	13	21.01
	40740	2605	25	0	20.90
			1	0	22.11
			1	12	22.33
			1	24	22.14
			12	0	20.87
			12	6	21.10
			12	13	21.06
	41215	2652.5	25	0	20.91
			1	0	21.81
			1	12	21.94
			1	24	21.81
			12	0	20.80
			12	6	20.76
			12	13	20.78
			25	0	20.75

LTE Band 41 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	40290	2560	1	0	22.87
			1	24	23.11
			1	49	22.87
			25	0	22.08
			25	12	22.06
			25	25	21.99
			50	0	22.06
	40740	2605	1	0	23.01
			1	24	23.22
			1	49	23.04
			25	0	22.06
			25	12	22.03
			25	25	22.02
			50	0	22.00
	41190	2650	1	0	22.79
			1	24	22.99
			1	49	22.87
			25	0	21.99
			25	12	21.87
			25	25	22.03
			50	0	21.92
16QAM	40290	2560	1	0	22.10
			1	24	22.31
			1	49	22.07
			25	0	20.86
			25	12	20.93
			25	25	21.01
			50	0	21.03
	40740	2605	1	0	22.09
			1	24	22.34
			1	49	22.22
			25	0	20.98
			25	12	20.95
			25	25	20.93
			50	0	21.04
	41190	2650	1	0	22.15
			1	24	22.29
			1	49	21.99
			25	0	20.95
			25	12	20.97
			25	25	20.89
			50	0	20.87

LTE Band 41 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	40315	2562.5	1	0	22.89
			1	37	23.11
			1	74	22.88
			37	0	22.08
			37	18	22.11
			37	38	22.05
			75	0	22.17
	40740	2605	1	0	22.84
			1	37	23.01
			1	74	22.99
			37	0	22.06
			37	18	22.13
			37	38	22.02
			75	0	22.15
	41165	2647.5	1	0	22.87
			1	37	22.94
			1	74	22.76
			37	0	21.92
			37	18	21.95
			37	38	21.98
			75	0	21.96
16QAM	40315	2562.5	1	0	22.08
			1	37	22.21
			1	74	22.28
			37	0	21.04
			37	18	21.01
			37	38	21.00
			75	0	21.00
	40740	2605	1	0	22.11
			1	37	22.22
			1	74	22.01
			37	0	20.99
			37	18	21.03
			37	38	21.03
			75	0	21.00
	41165	2647.5	1	0	22.02
			1	37	22.16
			1	74	21.99
			37	0	20.97
			37	18	20.91
			37	38	20.92
			75	0	20.90

LTE Band 41 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	40340	2565	1	0	22.81
			1	49	23.18
			1	99	22.81
			50	0	21.90
			50	25	21.98
			50	50	22.01
			100	0	21.95
	40740	2605	1	0	22.87
			1	49	23.36
			1	99	22.83
			50	0	21.97
			50	25	22.04
			50	50	22.07
			100	0	21.91
	41140	2645	1	0	22.83
			1	49	23.17
			1	99	22.66
			50	0	21.90
			50	25	21.88
			50	50	21.98
			100	0	21.86
16QAM	40340	2565	1	0	21.91
			1	49	22.47
			1	99	22.10
			50	0	20.90
			50	25	21.00
			50	50	20.95
			100	0	21.01
	40740	2605	1	0	21.92
			1	49	22.31
			1	99	22.02
			50	0	20.98
			50	25	21.05
			50	50	21.11
			100	0	21.01
	41140	2645	1	0	21.72
			1	49	22.17
			1	99	21.74
			50	0	20.86
			50	25	20.92
			50	50	20.92
			100	0	20.89

3.5.Support Equipment List

Table 5 Support Equipment List

Name	Model No	S/N	Manufacturer
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3.6.Test Conditions

Date of test : Oct.15, 2019 - Nov.20, 2019

Date of EUT Receive : Oct.15, 2019

Temperature: -30~50 °C

Relative Humidity: 42-53%

3.7.Special Accessories

Not available for this EUT intended for grant.

3.8.Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

Table 6 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Mar.11, 2019	1 Year
SB5472/02	Bilog Antenna	Schwarzbeck	VULB9163	Jun.01, 2019	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Jan.01, 2018	1 Year
SB8501/11	Horn Antenna	ETS-Lindgren	3160-09	Jan.21,2017	3 Years
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Feb.20, 2019	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	Feb.18, 2019	1 Year
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	Feb.20, 2019	1 Year
SB8501/02	Communication Test Unit	Rohde & Schwarz	CMU200	Nov.26, 2018	1 Year
SB12724/08	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	May.29, 2019	1 Year
SB12724/06	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	Sep.23, 2019	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	Nov.26, 2018	1 Year
SB7941/02	Signal Analyzer	Rohde & Schwarz	FSU26	May.29, 2019	1 Year
SB9721/07	DC Power Supply	Agilent	66319D	---	---
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	Mar.25, 2019	1 Year
--	Test Software	Tonscend	JS1120-4 GSM	--	--
--	Test Software	Tonscend	JS-1120-3 WCDMA	--	--
--	Test Software	Tonscend	JS1120-1 LTE	--	--
--	Radiated Test Software	Rohde & Schwarz	EMC 32 8.50.0	--	--

5. TEST RESULTS

5.1. RF Power Output

5.1.1. Test Standard

FCC: CFR Part 2.1046, CFR Part 22.913, CFR Part 24.232 CFR Part 27

5.1.2. Test Limit

FCC 22.913 (a) Effective radiated power limits.

The effective radiated power (ERP) of mobile transmitters must not exceed 7 Watts.

FCC 24.232 (b)(c) Power limits.

(b) Mobile/portable stations are limited to 2 Watts effective isotropic radiated power (EIRP). (c) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement over the full bandwidth of the channel.

27.50 (b)(10) Portable stations (hand-held de-vices) transmitting in the 746–757 MHz, 776–788 MHz, and 805–806 MHz bands are limited to 3 watts ERP.

27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.

27.50 (c) The following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band (10) Portable stations (hand-held de-vices) are limited to 3 watts ERP.

27.50 (h) (2) Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

5.1.3. Test Procedure

ANSI C63.26:2015

KDB 971168 Section 5.6

$EIRP\ (dBm) = ERP\ (dBm) + 2.15\ (dB)$

$ERP/EIRP = P_{Meas} + GT - LC$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same

units as P_{Meas} , typically dBW or dBm);

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

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

EUT includes different power levels for head use configuration and body use

configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers as follows:

5.1.4.Test Data

GSM MODES:

Modulation	Channel	Frequency (MHz)	Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
GSM850(GMSK)	128	824.2	32.75	-0.39	30.21	38.5	Pass
	190	836.6	32.71	-0.39	30.17	38.5	Pass
	251	848.8	32.49	-0.39	29.95	38.5	Pass
EGPRS850(8PSK)	128	824.2	28.39	-0.39	25.85	38.5	Pass
	190	836.6	28.38	-0.39	25.84	38.5	Pass
	251	848.8	28.80	-0.39	26.26	38.5	Pass

Modulation	Channel	Frequency (MHz)	Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
GSM1900(GMSK)	512	1850.2	30.58	0.46	31.04	33	Pass
	661	1880	30.49	0.46	30.95	33	Pass
	810	1909.8	30.13	0.46	30.59	33	Pass
EGPRS1900(8PSK)	512	1850.2	26.66	0.46	27.12	33	Pass
	661	1880	26.65	0.46	27.11	33	Pass
	810	1909.8	26.70	0.46	27.16	33	Pass

WCDMA MODES:

Modulation	Channel	Frequency (MHz)	Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
WCDMA 850(QPSK)	4,132	826.4	23.39	-0.39	20.85	38.5	Pass
	4,182	836.4	23.19	-0.39	20.65	38.5	Pass
	4,233	846.6	23.03	-0.39	20.49	38.5	Pass

Modulation	Channel	Frequency (MHz)	Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
WCDMA1900(QPSK)	9262	1852.4	22.22	0.46	22.68	33	Pass
	9400	1880.0	22.19	0.46	22.65	33	Pass
	9538	1907.6	22.26	0.46	22.72	33	Pass

LTE Band 2(Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18607	1850.7	1	0	23.47	0.46	23.93	33	Pass
			1	3	23.68	0.46	24.14	33	Pass
			1	5	23.57	0.46	24.03	33	Pass
			3	0	23.62	0.46	24.08	33	Pass
			3	2	23.66	0.46	24.12	33	Pass
			3	3	23.62	0.46	24.08	33	Pass
			6	0	22.50	0.46	22.96	33	Pass
	18900	1880	1	0	23.16	0.46	23.62	33	Pass
			1	3	23.34	0.46	23.8	33	Pass
			1	5	23.18	0.46	23.64	33	Pass
			3	0	23.39	0.46	23.85	33	Pass
			3	2	23.27	0.46	23.73	33	Pass
			3	3	23.19	0.46	23.65	33	Pass
			6	0	22.33	0.46	22.79	33	Pass
	19193	1909.3	1	0	23.10	0.46	23.56	33	Pass
			1	3	23.11	0.46	23.57	33	Pass
			1	5	22.99	0.46	23.45	33	Pass
			3	0	23.13	0.46	23.59	33	Pass
			3	2	22.59	0.46	23.05	33	Pass
			3	3	22.56	0.46	23.02	33	Pass
			6	0	21.45	0.46	21.91	33	Pass
16QAM	18607	1850.7	1	0	22.65	0.46	23.11	33	Pass
			1	3	22.77	0.46	23.23	33	Pass
			1	5	22.61	0.46	23.07	33	Pass
			3	0	22.57	0.46	23.03	33	Pass
			3	2	22.69	0.46	23.15	33	Pass
			3	3	22.60	0.46	23.06	33	Pass
			6	0	21.48	0.46	21.94	33	Pass
	18900	1880	1	0	22.43	0.46	22.89	33	Pass
			1	3	22.75	0.46	23.21	33	Pass
			1	5	22.47	0.46	22.93	33	Pass
			3	0	22.24	0.46	22.7	33	Pass
			3	2	22.12	0.46	22.58	33	Pass
			3	3	22.27	0.46	22.73	33	Pass
			6	0	21.35	0.46	21.81	33	Pass
	19193	1909.3	1	0	22.13	0.46	22.59	33	Pass
			1	3	22.32	0.46	22.78	33	Pass
			1	5	22.23	0.46	22.69	33	Pass
			3	0	22.05	0.46	22.51	33	Pass
			3	2	21.50	0.46	21.96	33	Pass
			3	3	21.59	0.46	22.05	33	Pass
			6	0	20.66	0.46	21.12	33	Pass

LTE Band 2(Bandwidth:3MHz)

Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18615	1851.5	1	0	22.92	0.46	23.38	33	Pass
			1	7	22.85	0.46	23.31	33	Pass
			1	14	22.74	0.46	23.2	33	Pass
			8	0	21.82	0.46	22.28	33	Pass
			8	4	21.83	0.46	22.29	33	Pass
			8	7	21.87	0.46	22.33	33	Pass
			15	0	21.86	0.46	22.32	33	Pass
	18900	1880	1	0	22.67	0.46	23.13	33	Pass
			1	7	22.70	0.46	23.16	33	Pass
			1	14	22.54	0.46	23	33	Pass
			8	0	21.58	0.46	22.04	33	Pass
			8	4	21.81	0.46	22.27	33	Pass
			8	7	21.69	0.46	22.15	33	Pass
			15	0	21.57	0.46	22.03	33	Pass
	19185	1908.5	1	0	22.41	0.46	22.87	33	Pass
			1	7	22.48	0.46	22.94	33	Pass
			1	14	22.38	0.46	22.84	33	Pass
			8	0	21.39	0.46	21.85	33	Pass
			8	4	21.57	0.46	22.03	33	Pass
			8	7	21.48	0.46	21.94	33	Pass
			15	0	21.40	0.46	21.86	33	Pass
16QAM	18615	1851.5	1	0	22.00	0.46	22.46	33	Pass
			1	7	22.12	0.46	22.58	33	Pass
			1	14	22.01	0.46	22.47	33	Pass
			8	0	21.04	0.46	21.5	33	Pass
			8	4	20.90	0.46	21.36	33	Pass
			8	7	20.84	0.46	21.3	33	Pass
			15	0	20.87	0.46	21.33	33	Pass
	18900	1880	1	0	21.96	0.46	22.42	33	Pass
			1	7	21.91	0.46	22.37	33	Pass
			1	14	22.03	0.46	22.49	33	Pass
			8	0	20.73	0.46	21.19	33	Pass
			8	4	20.75	0.46	21.21	33	Pass
			8	7	20.63	0.46	21.09	33	Pass
			15	0	20.74	0.46	21.2	33	Pass
	19185	1908.5	1	0	21.62	0.46	22.08	33	Pass
			1	7	21.71	0.46	22.17	33	Pass
			1	14	21.59	0.46	22.05	33	Pass
			8	0	20.51	0.46	20.97	33	Pass
			8	4	20.43	0.46	20.89	33	Pass
			8	7	20.43	0.46	20.89	33	Pass
			15	0	20.54	0.46	21	33	Pass

LTE Band 2 (Bandwidth:5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18625	1852.5	1	0	22.92	0.46	23.38	33	Pass
			1	12	23.15	0.46	23.61	33	Pass
			1	24	22.73	0.46	23.19	33	Pass
			12	0	21.73	0.46	22.19	33	Pass
			12	6	21.90	0.46	22.36	33	Pass
			12	13	21.81	0.46	22.27	33	Pass
			25	0	21.92	0.46	22.38	33	Pass
	18900	1880	1	0	22.64	0.46	23.1	33	Pass
			1	12	23.00	0.46	23.46	33	Pass
			1	24	22.63	0.46	23.09	33	Pass
			12	0	21.64	0.46	22.1	33	Pass
			12	6	21.80	0.46	22.26	33	Pass
			12	13	21.58	0.46	22.04	33	Pass
			25	0	21.77	0.46	22.23	33	Pass
	19175	1907.5	1	0	22.49	0.46	22.95	33	Pass
			1	12	22.71	0.46	23.17	33	Pass
			1	24	22.45	0.46	22.91	33	Pass
			12	0	21.47	0.46	21.93	33	Pass
			12	6	21.54	0.46	22	33	Pass
			12	13	21.33	0.46	21.79	33	Pass
			25	0	21.55	0.46	22.01	33	Pass
16QAM	18625	1852.5	1	0	22.12	0.46	22.58	33	Pass
			1	12	22.30	0.46	22.76	33	Pass
			1	24	22.04	0.46	22.5	33	Pass
			12	0	20.84	0.46	21.3	33	Pass
			12	6	21.03	0.46	21.49	33	Pass
			12	13	20.99	0.46	21.45	33	Pass
			25	0	20.83	0.46	21.29	33	Pass
	18900	1880	1	0	21.82	0.46	22.28	33	Pass
			1	12	22.08	0.46	22.54	33	Pass
			1	24	21.83	0.46	22.29	33	Pass
			12	0	20.87	0.46	21.33	33	Pass
			12	6	20.84	0.46	21.3	33	Pass
			12	13	20.87	0.46	21.33	33	Pass
			25	0	20.82	0.46	21.28	33	Pass
	19175	1907.5	1	0	21.66	0.46	22.12	33	Pass
			1	12	21.89	0.46	22.35	33	Pass
			1	24	21.48	0.46	21.94	33	Pass
			12	0	20.59	0.46	21.05	33	Pass
			12	6	20.44	0.46	20.9	33	Pass
			12	13	20.43	0.46	20.89	33	Pass
			25	0	20.48	0.46	20.94	33	Pass

LTE Band 2 (Bandwidth:10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18650	1855	1	0	22.93	0.46	23.39	33	Pass
			1	24	23.10	0.46	23.56	33	Pass
			1	49	22.71	0.46	23.17	33	Pass
			25	0	21.78	0.46	22.24	33	Pass
			25	12	21.85	0.46	22.31	33	Pass
			25	25	22.09	0.46	22.55	33	Pass
			50	0	21.81	0.46	22.27	33	Pass
	18900	1880	1	0	22.67	0.46	23.13	33	Pass
			1	24	22.90	0.46	23.36	33	Pass
			1	49	22.62	0.46	23.08	33	Pass
			25	0	21.74	0.46	22.2	33	Pass
			25	12	21.68	0.46	22.14	33	Pass
			25	25	21.72	0.46	22.18	33	Pass
			50	0	21.68	0.46	22.14	33	Pass
	19150	1905	1	0	22.60	0.46	23.06	33	Pass
			1	24	22.72	0.46	23.18	33	Pass
			1	49	22.41	0.46	22.87	33	Pass
			25	0	21.60	0.46	22.06	33	Pass
			25	12	21.44	0.46	21.9	33	Pass
			25	25	21.44	0.46	21.9	33	Pass
			50	0	21.65	0.46	22.11	33	Pass
16QAM	18650	1855	1	0	22.16	0.46	22.62	33	Pass
			1	24	22.38	0.46	22.84	33	Pass
			1	49	21.94	0.46	22.4	33	Pass
			25	0	20.99	0.46	21.45	33	Pass
			25	12	21.05	0.46	21.51	33	Pass
			25	25	21.02	0.46	21.48	33	Pass
			50	0	20.86	0.46	21.32	33	Pass
	18900	1880	1	0	22.06	0.46	22.52	33	Pass
			1	24	22.26	0.46	22.72	33	Pass
			1	49	21.77	0.46	22.23	33	Pass
			25	0	20.87	0.46	21.33	33	Pass
			25	12	20.87	0.46	21.33	33	Pass
			25	25	20.77	0.46	21.23	33	Pass
			50	0	20.71	0.46	21.17	33	Pass
	19150	1905	1	0	21.60	0.46	22.06	33	Pass
			1	24	21.83	0.46	22.29	33	Pass
			1	49	21.38	0.46	21.84	33	Pass
			25	0	20.76	0.46	21.22	33	Pass
			25	12	20.46	0.46	20.92	33	Pass
			25	25	20.55	0.46	21.01	33	Pass
			50	0	20.56	0.46	21.02	33	Pass

LTE Band 2 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18675	1857.5	1	0	22.75	0.46	23.21	33	Pass
			1	37	22.78	0.46	23.24	33	Pass
			1	74	22.64	0.46	23.1	33	Pass
			37	0	21.88	0.46	22.34	33	Pass
			37	18	21.90	0.46	22.36	33	Pass
			37	38	21.81	0.46	22.27	33	Pass
			75	0	21.90	0.46	22.36	33	Pass
	18900	1880	1	0	22.67	0.46	23.13	33	Pass
			1	37	22.65	0.46	23.11	33	Pass
			1	74	22.51	0.46	22.97	33	Pass
			37	0	21.85	0.46	22.31	33	Pass
			37	18	21.87	0.46	22.33	33	Pass
			37	38	21.72	0.46	22.18	33	Pass
			75	0	21.98	0.46	22.44	33	Pass
	19125	1902.5	1	0	22.62	0.46	23.08	33	Pass
			1	37	22.65	0.46	23.11	33	Pass
			1	74	22.45	0.46	22.91	33	Pass
			37	0	21.71	0.46	22.17	33	Pass
			37	18	21.57	0.46	22.03	33	Pass
			37	38	21.56	0.46	22.02	33	Pass
			75	0	21.59	0.46	22.05	33	Pass
16QAM	18675	1857.5	1	0	22.05	0.46	22.51	33	Pass
			1	37	22.14	0.46	22.6	33	Pass
			1	74	21.78	0.46	22.24	33	Pass
			37	0	20.89	0.46	21.35	33	Pass
			37	18	21.00	0.46	21.46	33	Pass
			37	38	21.04	0.46	21.5	33	Pass
			75	0	20.86	0.46	21.32	33	Pass
	18900	1880	1	0	21.93	0.46	22.39	33	Pass
			1	37	21.94	0.46	22.4	33	Pass
			1	74	21.90	0.46	22.36	33	Pass
			37	0	20.91	0.46	21.37	33	Pass
			37	18	20.79	0.46	21.25	33	Pass
			37	38	20.78	0.46	21.24	33	Pass
			75	0	20.88	0.46	21.34	33	Pass
	19125	1902.5	1	0	21.68	0.46	22.14	33	Pass
			1	37	21.63	0.46	22.09	33	Pass
			1	74	21.68	0.46	22.14	33	Pass
			37	0	20.78	0.46	21.24	33	Pass
			37	18	20.64	0.46	21.1	33	Pass
			37	38	20.52	0.46	20.98	33	Pass
			75	0	20.73	0.46	21.19	33	Pass

LTE Band 2 (Bandwidth:20MHz)

Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18700	1860	1	0	22.79	0.46	23.25	33	Pass
			1	49	23.02	0.46	23.48	33	Pass
			1	99	22.55	0.46	23.01	33	Pass
			50	0	21.63	0.46	22.09	33	Pass
			50	25	21.82	0.46	22.28	33	Pass
			50	50	21.56	0.46	22.02	33	Pass
			100	0	21.64	0.46	22.1	33	Pass
	18900	1880	1	0	22.61	0.46	23.07	33	Pass
			1	49	22.96	0.46	23.42	33	Pass
			1	99	22.45	0.46	22.91	33	Pass
			50	0	21.80	0.46	22.26	33	Pass
			50	25	21.68	0.46	22.14	33	Pass
			50	50	21.74	0.46	22.2	33	Pass
			100	0	21.90	0.46	22.36	33	Pass
	19100	1900	1	0	22.26	0.46	22.72	33	Pass
			1	49	22.65	0.46	23.11	33	Pass
			1	99	22.14	0.46	22.6	33	Pass
			50	0	21.49	0.46	21.95	33	Pass
			50	25	21.62	0.46	22.08	33	Pass
			50	50	21.37	0.46	21.83	33	Pass
			100	0	21.55	0.46	22.01	33	Pass
16QAM	18700	1860	1	0	22.01	0.46	22.47	33	Pass
			1	49	22.25	0.46	22.71	33	Pass
			1	99	21.63	0.46	22.09	33	Pass
			50	0	20.68	0.46	21.14	33	Pass
			50	25	20.84	0.46	21.3	33	Pass
			50	50	20.62	0.46	21.08	33	Pass
			100	0	20.67	0.46	21.13	33	Pass
	18900	1880	1	0	21.93	0.46	22.39	33	Pass
			1	49	22.22	0.46	22.68	33	Pass
			1	99	21.81	0.46	22.27	33	Pass
			50	0	20.92	0.46	21.38	33	Pass
			50	25	20.69	0.46	21.15	33	Pass
			50	50	20.77	0.46	21.23	33	Pass
			100	0	20.84	0.46	21.3	33	Pass
	19100	1900	1	0	21.58	0.46	22.04	33	Pass
			1	49	21.79	0.46	22.25	33	Pass
			1	99	21.31	0.46	21.77	33	Pass
			50	0	20.58	0.46	21.04	33	Pass
			50	25	20.55	0.46	21.01	33	Pass
			50	50	20.35	0.46	20.81	33	Pass
			100	0	20.53	0.46	20.99	33	Pass

LTE Band 4 (Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	131979	1710.7	1	0	22.45	0.45	22.9	30	Pass
			1	3	22.58	0.45	23.03	30	Pass
			1	5	22.58	0.45	23.03	30	Pass
			3	0	22.59	0.45	23.04	30	Pass
			3	2	22.59	0.45	23.04	30	Pass
			3	3	22.64	0.45	23.09	30	Pass
			6	0	21.62	0.45	22.07	30	Pass
	132322	1745	1	0	22.55	0.45	23	30	Pass
			1	3	22.61	0.45	23.06	30	Pass
			1	5	22.48	0.45	22.93	30	Pass
			3	0	22.67	0.45	23.12	30	Pass
			3	2	22.55	0.45	23	30	Pass
			3	3	22.56	0.45	23.01	30	Pass
			6	0	21.78	0.45	22.23	30	Pass
	132665	1779.3	1	0	22.58	0.45	23.03	30	Pass
			1	3	22.80	0.45	23.25	30	Pass
			1	5	22.64	0.45	23.09	30	Pass
			3	0	22.68	0.45	23.13	30	Pass
			3	2	22.47	0.45	22.92	30	Pass
			3	3	22.52	0.45	22.97	30	Pass
			6	0	21.76	0.45	22.21	30	Pass
16QAM	131979	1710.7	1	0	21.78	0.45	22.23	30	Pass
			1	3	21.88	0.45	22.33	30	Pass
			1	5	21.85	0.45	22.3	30	Pass
			3	0	21.54	0.45	21.99	30	Pass
			3	2	21.60	0.45	22.05	30	Pass
			3	3	21.48	0.45	21.93	30	Pass
			6	0	20.38	0.45	20.83	30	Pass
	132322	1745	1	0	21.80	0.45	22.25	30	Pass
			1	3	21.99	0.45	22.44	30	Pass
			1	5	21.73	0.45	22.18	30	Pass
			3	0	21.63	0.45	22.08	30	Pass
			3	2	21.66	0.45	22.11	30	Pass
			3	3	21.79	0.45	22.24	30	Pass
			6	0	20.76	0.45	21.21	30	Pass
	132665	1779.3	1	0	21.82	0.45	22.27	30	Pass
			1	3	21.81	0.45	22.26	30	Pass
			1	5	21.70	0.45	22.15	30	Pass
			3	0	21.73	0.45	22.18	30	Pass
			3	2	21.72	0.45	22.17	30	Pass
			3	3	21.73	0.45	22.18	30	Pass
			6	0	20.48	0.45	20.93	30	Pass

LTE Band 4 (Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	131987	1711.5	1	0	22.63	0.45	23.08	30	Pass
			1	7	22.62	0.45	23.07	30	Pass
			1	14	22.62	0.45	23.07	30	Pass
			8	0	21.68	0.45	22.13	30	Pass
			8	4	21.68	0.45	22.13	30	Pass
			8	7	21.76	0.45	22.21	30	Pass
			15	0	21.57	0.45	22.02	30	Pass
	132322	1745	1	0	22.75	0.45	23.2	30	Pass
			1	7	22.60	0.45	23.05	30	Pass
			1	14	22.69	0.45	23.14	30	Pass
			8	0	21.85	0.45	22.3	30	Pass
			8	4	21.75	0.45	22.2	30	Pass
			8	7	21.68	0.45	22.13	30	Pass
			15	0	21.73	0.45	22.18	30	Pass
	132657	1778.5	1	0	22.60	0.45	23.05	30	Pass
			1	7	22.50	0.45	22.95	30	Pass
			1	14	22.60	0.45	23.05	30	Pass
			8	0	21.84	0.45	22.29	30	Pass
			8	4	21.85	0.45	22.3	30	Pass
			8	7	21.78	0.45	22.23	30	Pass
			15	0	21.73	0.45	22.18	30	Pass
16QAM	131987	1711.5	1	0	21.96	0.45	22.41	30	Pass
			1	7	21.91	0.45	22.36	30	Pass
			1	14	22.07	0.45	22.52	30	Pass
			8	0	20.62	0.45	21.07	30	Pass
			8	4	20.69	0.45	21.14	30	Pass
			8	7	20.68	0.45	21.13	30	Pass
			15	0	20.53	0.45	20.98	30	Pass
	132322	1745	1	0	21.82	0.45	22.27	30	Pass
			1	7	21.79	0.45	22.24	30	Pass
			1	14	21.75	0.45	22.2	30	Pass
			8	0	20.62	0.45	21.07	30	Pass
			8	4	20.69	0.45	21.14	30	Pass
			8	7	20.60	0.45	21.05	30	Pass
			15	0	20.74	0.45	21.19	30	Pass
	132657	1778.5	1	0	21.79	0.45	22.24	30	Pass
			1	7	21.69	0.45	22.14	30	Pass
			1	14	21.73	0.45	22.18	30	Pass
			8	0	20.79	0.45	21.24	30	Pass
			8	4	20.76	0.45	21.21	30	Pass
			8	7	20.61	0.45	21.06	30	Pass
			15	0	20.65	0.45	21.1	30	Pass

LTE Band 4 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	131997	1712.5	1	0	22.67	0.45	23.12	30	Pass
			1	12	23.08	0.45	23.53	30	Pass
			1	24	22.78	0.45	23.23	30	Pass
			12	0	21.57	0.45	22.02	30	Pass
			12	6	21.59	0.45	22.04	30	Pass
			12	13	21.73	0.45	22.18	30	Pass
			25	0	21.75	0.45	22.2	30	Pass
	132322	1745	1	0	22.74	0.45	23.19	30	Pass
			1	12	23.04	0.45	23.49	30	Pass
			1	24	22.78	0.45	23.23	30	Pass
			12	0	21.78	0.45	22.23	30	Pass
			12	6	21.65	0.45	22.1	30	Pass
			12	13	21.63	0.45	22.08	30	Pass
			25	0	21.63	0.45	22.08	30	Pass
	132647	1777.5	1	0	22.62	0.45	23.07	30	Pass
			1	12	22.97	0.45	23.42	30	Pass
			1	24	22.57	0.45	23.02	30	Pass
			12	0	21.72	0.45	22.17	30	Pass
			12	6	21.75	0.45	22.2	30	Pass
			12	13	21.70	0.45	22.15	30	Pass
			25	0	21.75	0.45	22.2	30	Pass
16QAM	131997	1712.5	1	0	21.62	0.45	22.07	30	Pass
			1	12	22.16	0.45	22.61	30	Pass
			1	24	21.90	0.45	22.35	30	Pass
			12	0	20.60	0.45	21.05	30	Pass
			12	6	20.82	0.45	21.27	30	Pass
			12	13	20.68	0.45	21.13	30	Pass
			25	0	20.53	0.45	20.98	30	Pass
	132322	1745	1	0	21.87	0.45	22.32	30	Pass
			1	12	22.13	0.45	22.58	30	Pass
			1	24	21.75	0.45	22.2	30	Pass
			12	0	20.57	0.45	21.02	30	Pass
			12	6	20.78	0.45	21.23	30	Pass
			12	13	20.72	0.45	21.17	30	Pass
			25	0	20.79	0.45	21.24	30	Pass
	132647	1777.5	1	0	21.73	0.45	22.18	30	Pass
			1	12	22.06	0.45	22.51	30	Pass
			1	24	21.79	0.45	22.24	30	Pass
			12	0	20.71	0.45	21.16	30	Pass
			12	6	20.82	0.45	21.27	30	Pass
			12	13	20.65	0.45	21.1	30	Pass
			25	0	20.57	0.45	21.02	30	Pass

LTE Band 4 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	132022	1715	1	0	22.86	0.45	23.31	30	Pass
			1	24	23.20	0.45	23.65	30	Pass
			1	49	23.10	0.45	23.55	30	Pass
			25	0	21.92	0.45	22.37	30	Pass
			25	12	22.13	0.45	22.58	30	Pass
			25	25	22.08	0.45	22.53	30	Pass
	132322	1745	50	0	22.01	0.45	22.46	30	Pass
			1	0	23.08	0.45	23.53	30	Pass
			1	24	23.31	0.45	23.76	30	Pass
			1	49	23.10	0.45	23.55	30	Pass
			25	0	22.10	0.45	22.55	30	Pass
			25	12	22.26	0.45	22.71	30	Pass
	132622	1775	25	25	22.26	0.45	22.71	30	Pass
			50	0	22.21	0.45	22.66	30	Pass
			1	0	23.12	0.45	23.57	30	Pass
			1	24	23.26	0.45	23.71	30	Pass
			1	49	23.02	0.45	23.47	30	Pass
			25	0	22.17	0.45	22.62	30	Pass
			25	12	22.28	0.45	22.73	30	Pass
			25	25	22.10	0.45	22.55	30	Pass
			50	0	22.31	0.45	22.76	30	Pass
	132022	1715	1	0	22.07	0.45	22.52	30	Pass
			1	24	22.53	0.45	22.98	30	Pass
			1	49	22.41	0.45	22.86	30	Pass
			25	0	21.01	0.45	21.46	30	Pass
			25	12	20.93	0.45	21.38	30	Pass
			25	25	21.08	0.45	21.53	30	Pass
			50	0	20.98	0.45	21.43	30	Pass
	132322	1745	1	0	22.22	0.45	22.67	30	Pass
			1	24	22.40	0.45	22.85	30	Pass
			1	49	22.32	0.45	22.77	30	Pass
			25	0	21.11	0.45	21.56	30	Pass
			25	12	21.17	0.45	21.62	30	Pass
			25	25	21.14	0.45	21.59	30	Pass
16QAM	132622	1775	50	0	21.21	0.45	21.66	30	Pass
			1	0	22.30	0.45	22.75	30	Pass
			1	24	22.40	0.45	22.85	30	Pass
			1	49	22.29	0.45	22.74	30	Pass
			25	0	21.23	0.45	21.68	30	Pass
			25	12	21.23	0.45	21.68	30	Pass
			25	25	21.16	0.45	21.61	30	Pass
			50	0	21.12	0.45	21.57	30	Pass

LTE Band 4 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	132047	1717.5	1	0	22.64	0.45	23.09	30	Pass
			1	37	22.79	0.45	23.24	30	Pass
			1	74	22.85	0.45	23.3	30	Pass
			37	0	22.05	0.45	22.5	30	Pass
			37	18	21.99	0.45	22.44	30	Pass
			37	38	22.16	0.45	22.61	30	Pass
			75	0	22.11	0.45	22.56	30	Pass
	132322	1745	1	0	22.91	0.45	23.36	30	Pass
			1	37	22.97	0.45	23.42	30	Pass
			1	74	23.00	0.45	23.45	30	Pass
			37	0	22.21	0.45	22.66	30	Pass
			37	18	22.09	0.45	22.54	30	Pass
			37	38	22.31	0.45	22.76	30	Pass
			75	0	22.13	0.45	22.58	30	Pass
	132597	1772.5	1	0	22.90	0.45	23.35	30	Pass
			1	37	23.07	0.45	23.52	30	Pass
			1	74	23.01	0.45	23.46	30	Pass
			37	0	22.41	0.45	22.86	30	Pass
			37	18	22.34	0.45	22.79	30	Pass
			37	38	22.26	0.45	22.71	30	Pass
			75	0	22.34	0.45	22.79	30	Pass
16QAM	132047	1717.5	1	0	21.89	0.45	22.34	30	Pass
			1	37	22.12	0.45	22.57	30	Pass
			1	74	22.10	0.45	22.55	30	Pass
			37	0	20.88	0.45	21.33	30	Pass
			37	18	20.93	0.45	21.38	30	Pass
			37	38	21.14	0.45	21.59	30	Pass
			75	0	20.98	0.45	21.43	30	Pass
	132322	1745	1	0	22.22	0.45	22.67	30	Pass
			1	37	22.17	0.45	22.62	30	Pass
			1	74	22.24	0.45	22.69	30	Pass
			37	0	21.02	0.45	21.47	30	Pass
			37	18	21.04	0.45	21.49	30	Pass
			37	38	21.19	0.45	21.64	30	Pass
			75	0	21.12	0.45	21.57	30	Pass
	132597	1772.5	1	0	22.02	0.45	22.47	30	Pass
			1	37	22.22	0.45	22.67	30	Pass
			1	74	22.19	0.45	22.64	30	Pass
			37	0	21.28	0.45	21.73	30	Pass
			37	18	21.27	0.45	21.72	30	Pass
			37	38	21.09	0.45	21.54	30	Pass
			75	0	21.19	0.45	21.64	30	Pass

LTE Band 4 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	132072	1720	1	0	22.59	0.45	23.04	30	Pass
			1	49	23.12	0.45	23.57	30	Pass
			1	99	22.75	0.45	23.2	30	Pass
			50	0	21.78	0.45	22.23	30	Pass
			50	25	21.93	0.45	22.38	30	Pass
			50	50	21.88	0.45	22.33	30	Pass
			100	0	22.01	0.45	22.46	30	Pass
	132322	1745	1	0	22.70	0.45	23.15	30	Pass
			1	49	23.09	0.45	23.54	30	Pass
			1	99	22.89	0.45	23.34	30	Pass
			50	0	22.02	0.45	22.47	30	Pass
			50	25	22.00	0.45	22.45	30	Pass
			50	50	22.00	0.45	22.45	30	Pass
			100	0	21.91	0.45	22.36	30	Pass
	132572	1770	1	0	22.54	0.45	22.99	30	Pass
			1	49	23.11	0.45	23.56	30	Pass
			1	99	22.74	0.45	23.19	30	Pass
			50	0	22.13	0.45	22.58	30	Pass
			50	25	22.09	0.45	22.54	30	Pass
			50	50	22.04	0.45	22.49	30	Pass
			100	0	22.02	0.45	22.47	30	Pass
16QAM	132072	1720	1	0	21.76	0.45	22.21	30	Pass
			1	49	22.28	0.45	22.73	30	Pass
			1	99	21.96	0.45	22.41	30	Pass
			50	0	20.84	0.45	21.29	30	Pass
			50	25	20.99	0.45	21.44	30	Pass
			50	50	20.85	0.45	21.3	30	Pass
			100	0	20.95	0.45	21.4	30	Pass
	132322	1745	1	0	22.00	0.45	22.45	30	Pass
			1	49	22.44	0.45	22.89	30	Pass
			1	99	22.03	0.45	22.48	30	Pass
			50	0	21.01	0.45	21.46	30	Pass
			50	25	21.05	0.45	21.5	30	Pass
			50	50	21.01	0.45	21.46	30	Pass
			100	0	20.84	0.45	21.29	30	Pass
	132572	1770	1	0	21.95	0.45	22.4	30	Pass
			1	49	22.20	0.45	22.65	30	Pass
			1	99	21.93	0.45	22.38	30	Pass
			50	0	21.03	0.45	21.48	30	Pass
			50	25	21.09	0.45	21.54	30	Pass
			50	50	20.81	0.45	21.26	30	Pass
			100	0	20.96	0.45	21.41	30	Pass

LTE Band 5(Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20407	824.7	1	0	22.85	-0.39	20.24	38.5	Pass
			1	3	22.91	-0.39	20.3	38.5	Pass
			1	5	22.83	-0.39	20.22	38.5	Pass
			3	0	22.78	-0.39	20.17	38.5	Pass
			3	2	22.87	-0.39	20.26	38.5	Pass
			3	3	22.83	-0.39	20.22	38.5	Pass
			6	0	21.80	-0.39	19.19	38.5	Pass
	20525	836.5	1	0	22.82	-0.39	20.21	38.5	Pass
			1	3	22.87	-0.39	20.26	38.5	Pass
			1	5	22.82	-0.39	20.21	38.5	Pass
			3	0	22.74	-0.39	20.13	38.5	Pass
			3	2	22.87	-0.39	20.26	38.5	Pass
			3	3	22.77	-0.39	20.16	38.5	Pass
			6	0	21.69	-0.39	19.08	38.5	Pass
	20643	848.3	1	0	22.88	-0.39	20.27	38.5	Pass
			1	3	22.93	-0.39	20.32	38.5	Pass
			1	5	22.83	-0.39	20.22	38.5	Pass
			3	0	22.83	-0.39	20.22	38.5	Pass
			3	2	22.80	-0.39	20.19	38.5	Pass
			3	3	22.97	-0.39	20.36	38.5	Pass
			6	0	21.89	-0.39	19.28	38.5	Pass
16QAM	20407	824.7	1	0	21.88	-0.39	19.27	38.5	Pass
			1	3	22.03	-0.39	19.42	38.5	Pass
			1	5	21.88	-0.39	19.27	38.5	Pass
			3	0	21.67	-0.39	19.06	38.5	Pass
			3	2	21.74	-0.39	19.13	38.5	Pass
			3	3	21.68	-0.39	19.07	38.5	Pass
			6	0	20.87	-0.39	18.26	38.5	Pass
	20525	836.5	1	0	21.77	-0.39	19.16	38.5	Pass
			1	3	21.97	-0.39	19.36	38.5	Pass
			1	5	21.81	-0.39	19.2	38.5	Pass
			3	0	21.67	-0.39	19.06	38.5	Pass
			3	2	21.67	-0.39	19.06	38.5	Pass
			3	3	21.73	-0.39	19.12	38.5	Pass
			6	0	20.93	-0.39	18.32	38.5	Pass
	20643	848.3	1	0	21.79	-0.39	19.18	38.5	Pass
			1	3	21.85	-0.39	19.24	38.5	Pass
			1	5	21.93	-0.39	19.32	38.5	Pass
			3	0	21.75	-0.39	19.14	38.5	Pass
			3	2	21.74	-0.39	19.13	38.5	Pass
			3	3	21.68	-0.39	19.07	38.5	Pass
			6	0	20.82	-0.39	18.21	38.5	Pass

LTE Band 5(Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20415	825.5	1	0	23.52	-0.39	20.91	38.5	Pass
			1	7	23.46	-0.39	20.85	38.5	Pass
			1	14	23.50	-0.39	20.89	38.5	Pass
			8	0	22.42	-0.39	19.81	38.5	Pass
			8	4	22.54	-0.39	19.93	38.5	Pass
			8	7	22.46	-0.39	19.85	38.5	Pass
			15	0	22.46	-0.39	19.85	38.5	Pass
	20525	836.5	1	0	23.27	-0.39	20.66	38.5	Pass
			1	7	23.29	-0.39	20.68	38.5	Pass
			1	14	23.41	-0.39	20.8	38.5	Pass
			8	0	22.34	-0.39	19.73	38.5	Pass
			8	4	22.37	-0.39	19.76	38.5	Pass
			8	7	22.36	-0.39	19.75	38.5	Pass
			15	0	22.38	-0.39	19.77	38.5	Pass
	20635	847.5	1	0	23.39	-0.39	20.78	38.5	Pass
			1	7	23.34	-0.39	20.73	38.5	Pass
			1	14	23.36	-0.39	20.75	38.5	Pass
			8	0	22.36	-0.39	19.75	38.5	Pass
			8	4	22.41	-0.39	19.8	38.5	Pass
			8	7	22.46	-0.39	19.85	38.5	Pass
			15	0	22.32	-0.39	19.71	38.5	Pass
16QAM	20415	825.5	1	0	22.84	-0.39	20.23	38.5	Pass
			1	7	22.68	-0.39	20.07	38.5	Pass
			1	14	22.69	-0.39	20.08	38.5	Pass
			8	0	21.52	-0.39	18.91	38.5	Pass
			8	4	21.57	-0.39	18.96	38.5	Pass
			8	7	21.43	-0.39	18.82	38.5	Pass
			15	0	21.37	-0.39	18.76	38.5	Pass
	20525	836.5	1	0	22.64	-0.39	20.03	38.5	Pass
			1	7	22.56	-0.39	19.95	38.5	Pass
			1	14	22.57	-0.39	19.96	38.5	Pass
			8	0	21.52	-0.39	18.91	38.5	Pass
			8	4	21.61	-0.39	19	38.5	Pass
			8	7	21.46	-0.39	18.85	38.5	Pass
			15	0	21.43	-0.39	18.82	38.5	Pass
	20635	847.5	1	0	22.61	-0.39	20	38.5	Pass
			1	7	22.59	-0.39	19.98	38.5	Pass
			1	14	22.60	-0.39	19.99	38.5	Pass
			8	0	21.37	-0.39	18.76	38.5	Pass
			8	4	21.47	-0.39	18.86	38.5	Pass
			8	7	21.52	-0.39	18.91	38.5	Pass
			15	0	21.37	-0.39	18.76	38.5	Pass

LTE Band 5(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20425	826.5	1	0	23.42	-0.39	20.81	38.5	Pass
			1	12	23.88	-0.39	21.27	38.5	Pass
			1	24	23.47	-0.39	20.86	38.5	Pass
			12	0	22.35	-0.39	19.74	38.5	Pass
			12	6	22.49	-0.39	19.88	38.5	Pass
			12	13	22.44	-0.39	19.83	38.5	Pass
			25	0	22.49	-0.39	19.88	38.5	Pass
	20525	836.5	1	0	23.30	-0.39	20.69	38.5	Pass
			1	12	23.73	-0.39	21.12	38.5	Pass
			1	24	23.50	-0.39	20.89	38.5	Pass
			12	0	22.42	-0.39	19.81	38.5	Pass
			12	6	22.36	-0.39	19.75	38.5	Pass
			12	13	22.32	-0.39	19.71	38.5	Pass
			25	0	22.41	-0.39	19.8	38.5	Pass
	20625	846.5	1	0	23.25	-0.39	20.64	38.5	Pass
			1	12	23.69	-0.39	21.08	38.5	Pass
			1	24	23.51	-0.39	20.9	38.5	Pass
			12	0	22.46	-0.39	19.85	38.5	Pass
			12	6	22.46	-0.39	19.85	38.5	Pass
			12	13	22.43	-0.39	19.82	38.5	Pass
			25	0	22.35	-0.39	19.74	38.5	Pass
16QAM	20425	826.5	1	0	22.61	-0.39	20	38.5	Pass
			1	12	22.92	-0.39	20.31	38.5	Pass
			1	24	22.72	-0.39	20.11	38.5	Pass
			12	0	21.48	-0.39	18.87	38.5	Pass
			12	6	21.64	-0.39	19.03	38.5	Pass
			12	13	21.57	-0.39	18.96	38.5	Pass
			25	0	21.55	-0.39	18.94	38.5	Pass
	20525	836.5	1	0	22.41	-0.39	19.8	38.5	Pass
			1	12	22.82	-0.39	20.21	38.5	Pass
			1	24	22.74	-0.39	20.13	38.5	Pass
			12	0	21.41	-0.39	18.8	38.5	Pass
			12	6	21.52	-0.39	18.91	38.5	Pass
			12	13	21.44	-0.39	18.83	38.5	Pass
			25	0	21.42	-0.39	18.81	38.5	Pass
	20625	846.5	1	0	22.55	-0.39	19.94	38.5	Pass
			1	12	22.99	-0.39	20.38	38.5	Pass
			1	24	22.68	-0.39	20.07	38.5	Pass
			12	0	21.45	-0.39	18.84	38.5	Pass
			12	6	21.56	-0.39	18.95	38.5	Pass
			12	13	21.49	-0.39	18.88	38.5	Pass
			25	0	21.40	-0.39	18.79	38.5	Pass

LTE Band 5 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20450	829	1	0	23.45	-0.39	20.84	38.5	Pass
			1	24	23.70	-0.39	21.09	38.5	Pass
			1	49	23.61	-0.39	21	38.5	Pass
			25	0	22.49	-0.39	19.88	38.5	Pass
			25	12	22.46	-0.39	19.85	38.5	Pass
			25	25	22.53	-0.39	19.92	38.5	Pass
	20525	836.5	50	0	22.46	-0.39	19.85	38.5	Pass
			1	0	23.41	-0.39	20.8	38.5	Pass
			1	24	23.52	-0.39	20.91	38.5	Pass
			1	49	23.48	-0.39	20.87	38.5	Pass
			25	0	22.50	-0.39	19.89	38.5	Pass
			25	12	22.49	-0.39	19.88	38.5	Pass
	20600	844	25	25	22.58	-0.39	19.97	38.5	Pass
			50	0	22.46	-0.39	19.85	38.5	Pass
			1	0	23.12	-0.39	20.51	38.5	Pass
			1	24	23.44	-0.39	20.83	38.5	Pass
			1	49	23.63	-0.39	21.02	38.5	Pass
			25	0	22.31	-0.39	19.7	38.5	Pass
			25	12	22.32	-0.39	19.71	38.5	Pass
			25	25	22.36	-0.39	19.75	38.5	Pass
16QAM	20450	829	50	0	22.37	-0.39	19.76	38.5	Pass
			1	0	22.72	-0.39	20.11	38.5	Pass
			1	24	23.02	-0.39	20.41	38.5	Pass
			1	49	22.77	-0.39	20.16	38.5	Pass
			25	0	21.53	-0.39	18.92	38.5	Pass
			25	12	21.61	-0.39	19	38.5	Pass
	20525	836.5	25	25	21.49	-0.39	18.88	38.5	Pass
			50	0	21.52	-0.39	18.91	38.5	Pass
			1	0	22.61	-0.39	20	38.5	Pass
			1	24	22.85	-0.39	20.24	38.5	Pass
			1	49	22.84	-0.39	20.23	38.5	Pass
			25	0	21.63	-0.39	19.02	38.5	Pass
	20600	844	25	12	21.58	-0.39	18.97	38.5	Pass
			25	25	21.63	-0.39	19.02	38.5	Pass
			50	0	21.57	-0.39	18.96	38.5	Pass
			1	0	22.41	-0.39	19.8	38.5	Pass
			1	24	22.75	-0.39	20.14	38.5	Pass
			1	49	22.70	-0.39	20.09	38.5	Pass
			25	0	21.41	-0.39	18.8	38.5	Pass
			25	12	21.50	-0.39	18.89	38.5	Pass
			25	25	21.47	-0.39	18.86	38.5	Pass
			50	0	21.50	-0.39	18.89	38.5	Pass

LTE Band 7 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20775	2502.5	1	0	20.67	1.17	21.84	33	Pass
			1	12	20.99	1.17	22.16	33	Pass
			1	24	20.64	1.17	21.81	33	Pass
			12	0	19.75	1.17	20.92	33	Pass
			12	6	19.74	1.17	20.91	33	Pass
			12	13	19.80	1.17	20.97	33	Pass
			25	0	19.78	1.17	20.95	33	Pass
	21100	2535	1	0	20.80	1.17	21.97	33	Pass
			1	12	20.97	1.17	22.14	33	Pass
			1	24	20.79	1.17	21.96	33	Pass
			12	0	19.79	1.17	20.96	33	Pass
			12	6	19.84	1.17	21.01	33	Pass
			12	13	19.71	1.17	20.88	33	Pass
			25	0	19.69	1.17	20.86	33	Pass
	21425	2567.5	1	0	20.83	1.17	22	33	Pass
			1	12	21.12	1.17	22.29	33	Pass
			1	24	20.87	1.17	22.04	33	Pass
			12	0	19.94	1.17	21.11	33	Pass
			12	6	20.02	1.17	21.19	33	Pass
			12	13	19.82	1.17	20.99	33	Pass
			25	0	19.96	1.17	21.13	33	Pass
16QAM	20775	2502.5	1	0	19.90	1.17	21.07	33	Pass
			1	12	20.23	1.17	21.4	33	Pass
			1	24	20.01	1.17	21.18	33	Pass
			12	0	18.83	1.17	20	33	Pass
			12	6	18.82	1.17	19.99	33	Pass
			12	13	18.91	1.17	20.08	33	Pass
			25	0	18.83	1.17	20	33	Pass
	21100	2535	1	0	19.89	1.17	21.06	33	Pass
			1	12	20.14	1.17	21.31	33	Pass
			1	24	19.97	1.17	21.14	33	Pass
			12	0	18.65	1.17	19.82	33	Pass
			12	6	18.83	1.17	20	33	Pass
			12	13	18.70	1.17	19.87	33	Pass
			25	0	18.83	1.17	20	33	Pass
	21425	2567.5	1	0	20.06	1.17	21.23	33	Pass
			1	12	20.29	1.17	21.46	33	Pass
			1	24	20.20	1.17	21.37	33	Pass
			12	0	18.96	1.17	20.13	33	Pass
			12	6	19.05	1.17	20.22	33	Pass
			12	13	18.83	1.17	20	33	Pass
			25	0	18.96	1.17	20.13	33	Pass

LTE Band 7 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20800	2505	1	0	20.67	1.17	21.84	33	Pass
			1	24	20.84	1.17	22.01	33	Pass
			1	49	20.80	1.17	21.97	33	Pass
			25	0	19.75	1.17	20.92	33	Pass
			25	12	19.67	1.17	20.84	33	Pass
			25	25	19.76	1.17	20.93	33	Pass
			50	0	19.77	1.17	20.94	33	Pass
	21100	2535	1	0	20.75	1.17	21.92	33	Pass
			1	24	20.84	1.17	22.01	33	Pass
			1	49	20.79	1.17	21.96	33	Pass
			25	0	19.75	1.17	20.92	33	Pass
			25	12	19.83	1.17	21	33	Pass
			25	25	19.77	1.17	20.94	33	Pass
			50	0	19.85	1.17	21.02	33	Pass
	21400	2565	1	0	20.66	1.17	21.83	33	Pass
			1	24	21.09	1.17	22.26	33	Pass
			1	49	20.84	1.17	22.01	33	Pass
			25	0	19.93	1.17	21.1	33	Pass
			25	12	19.83	1.17	21	33	Pass
			25	25	20.03	1.17	21.2	33	Pass
			50	0	19.93	1.17	21.1	33	Pass
16QAM	20800	2505	1	0	19.90	1.17	21.07	33	Pass
			1	24	20.22	1.17	21.39	33	Pass
			1	49	19.99	1.17	21.16	33	Pass
			25	0	18.69	1.17	19.86	33	Pass
			25	12	18.78	1.17	19.95	33	Pass
			25	25	18.83	1.17	20	33	Pass
			50	0	18.74	1.17	19.91	33	Pass
	21100	2535	1	0	19.95	1.17	21.12	33	Pass
			1	24	20.15	1.17	21.32	33	Pass
			1	49	20.07	1.17	21.24	33	Pass
			25	0	18.81	1.17	19.98	33	Pass
			25	12	18.86	1.17	20.03	33	Pass
			25	25	18.84	1.17	20.01	33	Pass
			50	0	18.82	1.17	19.99	33	Pass
	21400	2565	1	0	20.01	1.17	21.18	33	Pass
			1	24	20.39	1.17	21.56	33	Pass
			1	49	20.18	1.17	21.35	33	Pass
			25	0	19.01	1.17	20.18	33	Pass
			25	12	18.93	1.17	20.1	33	Pass
			25	25	18.95	1.17	20.12	33	Pass
			50	0	19.01	1.17	20.18	33	Pass

LTE Band 7 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20825	2507.5	1	0	20.65	1.17	21.82	33	Pass
			1	37	20.71	1.17	21.88	33	Pass
			1	74	20.64	1.17	21.81	33	Pass
			37	0	19.63	1.17	20.8	33	Pass
			37	18	19.84	1.17	21.01	33	Pass
			37	38	19.90	1.17	21.07	33	Pass
			75	0	19.87	1.17	21.04	33	Pass
	21100	2535	1	0	20.74	1.17	21.91	33	Pass
			1	37	20.81	1.17	21.98	33	Pass
			1	74	20.62	1.17	21.79	33	Pass
			37	0	19.73	1.17	20.9	33	Pass
			37	18	19.78	1.17	20.95	33	Pass
			37	38	19.94	1.17	21.11	33	Pass
			75	0	19.99	1.17	21.16	33	Pass
	21375	2562.5	1	0	20.58	1.17	21.75	33	Pass
			1	37	20.80	1.17	21.97	33	Pass
			1	74	20.73	1.17	21.9	33	Pass
			37	0	19.83	1.17	21	33	Pass
			37	18	19.89	1.17	21.06	33	Pass
			37	38	19.97	1.17	21.14	33	Pass
			75	0	20.04	1.17	21.21	33	Pass
16QAM	20825	2507.5	1	0	19.89	1.17	21.06	33	Pass
			1	37	20.07	1.17	21.24	33	Pass
			1	74	20.01	1.17	21.18	33	Pass
			37	0	18.72	1.17	19.89	33	Pass
			37	18	18.74	1.17	19.91	33	Pass
			37	38	18.93	1.17	20.1	33	Pass
			75	0	18.71	1.17	19.88	33	Pass
	21100	2535	1	0	19.96	1.17	21.13	33	Pass
			1	37	20.04	1.17	21.21	33	Pass
			1	74	19.87	1.17	21.04	33	Pass
			37	0	18.84	1.17	20.01	33	Pass
			37	18	18.74	1.17	19.91	33	Pass
			37	38	18.80	1.17	19.97	33	Pass
			75	0	18.88	1.17	20.05	33	Pass
	21375	2562.5	1	0	19.89	1.17	21.06	33	Pass
			1	37	20.18	1.17	21.35	33	Pass
			1	74	20.14	1.17	21.31	33	Pass
			37	0	18.89	1.17	20.06	33	Pass
			37	18	18.97	1.17	20.14	33	Pass
			37	38	18.94	1.17	20.11	33	Pass
			75	0	18.92	1.17	20.09	33	Pass

LTE Band 7 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20850	2510	1	0	20.07	1.17	21.24	33	Pass
			1	49	20.60	1.17	21.77	33	Pass
			1	99	20.04	1.17	21.21	33	Pass
			50	0	19.12	1.17	20.29	33	Pass
			50	25	19.58	1.17	20.75	33	Pass
			50	50	19.72	1.17	20.89	33	Pass
			100	0	19.35	1.17	20.52	33	Pass
	21100	2535	1	0	19.91	1.17	21.08	33	Pass
			1	49	20.30	1.17	21.47	33	Pass
			1	99	19.94	1.17	21.11	33	Pass
			50	0	19.31	1.17	20.48	33	Pass
			50	25	19.32	1.17	20.49	33	Pass
			50	50	19.54	1.17	20.71	33	Pass
			100	0	19.36	1.17	20.53	33	Pass
	21350	2560	1	0	20.22	1.17	21.39	33	Pass
			1	49	20.55	1.17	21.72	33	Pass
			1	99	20.29	1.17	21.46	33	Pass
			50	0	19.35	1.17	20.52	33	Pass
			50	25	19.36	1.17	20.53	33	Pass
			50	50	19.37	1.17	20.54	33	Pass
			100	0	19.49	1.17	20.66	33	Pass
16QAM	20850	2510	1	0	19.39	1.17	20.56	33	Pass
			1	49	19.90	1.17	21.07	33	Pass
			1	99	19.53	1.17	20.7	33	Pass
			50	0	18.20	1.17	19.37	33	Pass
			50	25	18.66	1.17	19.83	33	Pass
			50	50	18.66	1.17	19.83	33	Pass
			100	0	18.23	1.17	19.4	33	Pass
	21100	2535	1	0	19.29	1.17	20.46	33	Pass
			1	49	19.52	1.17	20.69	33	Pass
			1	99	19.36	1.17	20.53	33	Pass
			50	0	18.29	1.17	19.46	33	Pass
			50	25	18.40	1.17	19.57	33	Pass
			50	50	18.58	1.17	19.75	33	Pass
			100	0	18.22	1.17	19.39	33	Pass
	21350	2560	1	0	19.35	1.17	20.52	33	Pass
			1	49	19.87	1.17	21.04	33	Pass
			1	99	19.58	1.17	20.75	33	Pass
			50	0	18.28	1.17	19.45	33	Pass
			50	25	18.37	1.17	19.54	33	Pass
			50	50	18.40	1.17	19.57	33	Pass
			100	0	18.41	1.17	19.58	33	Pass

LTE Band 12(Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23017	699.7	1	0	23.17	-0.4	20.62	34.77	Pass
			1	3	23.32	-0.4	20.77	34.77	Pass
			1	5	23.11	-0.4	20.56	34.77	Pass
			3	0	23.17	-0.4	20.62	34.77	Pass
			3	2	23.31	-0.4	20.76	34.77	Pass
			3	3	23.12	-0.4	20.57	34.77	Pass
			6	0	22.29	-0.4	19.74	34.77	Pass
	23095	707.5	1	0	23.23	-0.4	20.68	34.77	Pass
			1	3	23.29	-0.4	20.74	34.77	Pass
			1	5	23.20	-0.4	20.65	34.77	Pass
			3	0	23.20	-0.4	20.65	34.77	Pass
			3	2	23.32	-0.4	20.77	34.77	Pass
			3	3	23.37	-0.4	20.82	34.77	Pass
			6	0	22.35	-0.4	19.8	34.77	Pass
	23173	715.3	1	0	23.56	-0.4	21.01	34.77	Pass
			1	3	23.74	-0.4	21.19	34.77	Pass
			1	5	23.50	-0.4	20.95	34.77	Pass
			3	0	23.43	-0.4	20.88	34.77	Pass
			3	2	23.46	-0.4	20.91	34.77	Pass
			3	3	23.38	-0.4	20.83	34.77	Pass
16QAM	23017	699.7	6	0	22.49	-0.4	19.94	34.77	Pass
			1	0	22.25	-0.4	19.7	34.77	Pass
			1	3	22.37	-0.4	19.82	34.77	Pass
			1	5	22.20	-0.4	19.65	34.77	Pass
			3	0	22.15	-0.4	19.6	34.77	Pass
			3	2	22.27	-0.4	19.72	34.77	Pass
	23095	707.5	3	3	22.12	-0.4	19.57	34.77	Pass
			6	0	21.19	-0.4	18.64	34.77	Pass
			1	0	22.43	-0.4	19.88	34.77	Pass
			1	3	22.50	-0.4	19.95	34.77	Pass
			1	5	22.34	-0.4	19.79	34.77	Pass
			3	0	22.34	-0.4	19.79	34.77	Pass
	23173	715.3	3	2	22.42	-0.4	19.87	34.77	Pass
			3	3	22.33	-0.4	19.78	34.77	Pass
			6	0	21.33	-0.4	18.78	34.77	Pass
			1	0	22.44	-0.4	19.89	34.77	Pass
			1	3	22.68	-0.4	20.13	34.77	Pass
			1	5	22.46	-0.4	19.91	34.77	Pass
	23017	699.7	3	0	22.41	-0.4	19.86	34.77	Pass
			3	2	22.44	-0.4	19.89	34.77	Pass
			3	3	22.42	-0.4	19.87	34.77	Pass
			6	0	21.32	-0.4	18.77	34.77	Pass

LTE Band 12(Bandwidth: 3MHz)

Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23025	700.5	1	0	23.16	-0.4	20.61	34.77	Pass
			1	7	23.27	-0.4	20.72	34.77	Pass
			1	14	23.18	-0.4	20.63	34.77	Pass
			8	0	22.13	-0.4	19.58	34.77	Pass
			8	4	22.20	-0.4	19.65	34.77	Pass
			8	7	22.06	-0.4	19.51	34.77	Pass
			15	0	22.04	-0.4	19.49	34.77	Pass
	23095	707.5	1	0	23.07	-0.4	20.52	34.77	Pass
			1	7	23.14	-0.4	20.59	34.77	Pass
			1	14	23.19	-0.4	20.64	34.77	Pass
			8	0	22.30	-0.4	19.75	34.77	Pass
			8	4	22.27	-0.4	19.72	34.77	Pass
			8	7	22.24	-0.4	19.69	34.77	Pass
			15	0	22.32	-0.4	19.77	34.77	Pass
	23165	714.5	1	0	23.48	-0.4	20.93	34.77	Pass
			1	7	23.41	-0.4	20.86	34.77	Pass
			1	14	23.51	-0.4	20.96	34.77	Pass
			8	0	22.39	-0.4	19.84	34.77	Pass
			8	4	22.61	-0.4	20.06	34.77	Pass
			8	7	22.46	-0.4	19.91	34.77	Pass
			15	0	22.41	-0.4	19.86	34.77	Pass
16QAM	23025	700.5	1	0	22.30	-0.4	19.75	34.77	Pass
			1	7	22.19	-0.4	19.64	34.77	Pass
			1	14	22.35	-0.4	19.8	34.77	Pass
			8	0	20.93	-0.4	18.38	34.77	Pass
			8	4	20.99	-0.4	18.44	34.77	Pass
			8	7	21.09	-0.4	18.54	34.77	Pass
			15	0	21.04	-0.4	18.49	34.77	Pass
	23095	707.5	1	0	22.47	-0.4	19.92	34.77	Pass
			1	7	22.43	-0.4	19.88	34.77	Pass
			1	14	22.44	-0.4	19.89	34.77	Pass
			8	0	21.15	-0.4	18.6	34.77	Pass
			8	4	21.29	-0.4	18.74	34.77	Pass
			8	7	21.34	-0.4	18.79	34.77	Pass
			15	0	21.15	-0.4	18.6	34.77	Pass
	23165	714.5	1	0	22.41	-0.4	19.86	34.77	Pass
			1	7	22.54	-0.4	19.99	34.77	Pass
			1	14	22.56	-0.4	20.01	34.77	Pass
			8	0	21.36	-0.4	18.81	34.77	Pass
			8	4	21.42	-0.4	18.87	34.77	Pass
			8	7	21.35	-0.4	18.8	34.77	Pass
			15	0	21.20	-0.4	18.65	34.77	Pass

LTE Band 12(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23035	701.5	1	0	23.29	-0.4	20.74	34.77	Pass
			1	12	23.59	-0.4	21.04	34.77	Pass
			1	24	23.23	-0.4	20.68	34.77	Pass
			12	0	22.10	-0.4	19.55	34.77	Pass
			12	6	22.19	-0.4	19.64	34.77	Pass
			12	13	22.04	-0.4	19.49	34.77	Pass
			25	0	22.21	-0.4	19.66	34.77	Pass
	23095	707.5	1	0	23.19	-0.4	20.64	34.77	Pass
			1	12	23.36	-0.4	20.81	34.77	Pass
			1	24	23.25	-0.4	20.7	34.77	Pass
			12	0	22.13	-0.4	19.58	34.77	Pass
			12	6	22.18	-0.4	19.63	34.77	Pass
			12	13	22.37	-0.4	19.82	34.77	Pass
			25	0	22.27	-0.4	19.72	34.77	Pass
	23155	713.5	1	0	23.30	-0.4	20.75	34.77	Pass
			1	12	23.74	-0.4	21.19	34.77	Pass
			1	24	23.44	-0.4	20.89	34.77	Pass
			12	0	22.31	-0.4	19.76	34.77	Pass
			12	6	22.51	-0.4	19.96	34.77	Pass
			12	13	22.37	-0.4	19.82	34.77	Pass
			25	0	22.36	-0.4	19.81	34.77	Pass
16QAM	23035	701.5	1	0	22.17	-0.4	19.62	34.77	Pass
			1	12	22.48	-0.4	19.93	34.77	Pass
			1	24	22.39	-0.4	19.84	34.77	Pass
			12	0	21.05	-0.4	18.5	34.77	Pass
			12	6	21.15	-0.4	18.6	34.77	Pass
			12	13	21.03	-0.4	18.48	34.77	Pass
			25	0	21.17	-0.4	18.62	34.77	Pass
	23095	707.5	1	0	22.35	-0.4	19.8	34.77	Pass
			1	12	22.69	-0.4	20.14	34.77	Pass
			1	24	22.47	-0.4	19.92	34.77	Pass
			12	0	21.29	-0.4	18.74	34.77	Pass
			12	6	21.34	-0.4	18.79	34.77	Pass
			12	13	21.25	-0.4	18.7	34.77	Pass
			25	0	21.20	-0.4	18.65	34.77	Pass
	23155	713.5	1	0	22.33	-0.4	19.78	34.77	Pass
			1	12	22.75	-0.4	20.2	34.77	Pass
			1	24	22.42	-0.4	19.87	34.77	Pass
			12	0	21.46	-0.4	18.91	34.77	Pass
			12	6	21.44	-0.4	18.89	34.77	Pass
			12	13	21.22	-0.4	18.67	34.77	Pass
			25	0	21.27	-0.4	18.72	34.77	Pass

LTE Band 12(Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23060	704	1	0	23.08	-0.4	20.53	34.77	Pass
			1	24	23.30	-0.4	20.75	34.77	Pass
			1	49	23.30	-0.4	20.75	34.77	Pass
			25	0	22.19	-0.4	19.64	34.77	Pass
			25	12	22.15	-0.4	19.6	34.77	Pass
			25	25	22.34	-0.4	19.79	34.77	Pass
			50	0	22.24	-0.4	19.69	34.77	Pass
	23095	707.5	1	0	23.10	-0.4	20.55	34.77	Pass
			1	24	23.34	-0.4	20.79	34.77	Pass
			1	49	23.34	-0.4	20.79	34.77	Pass
			25	0	22.14	-0.4	19.59	34.77	Pass
			25	12	22.38	-0.4	19.83	34.77	Pass
			25	25	22.35	-0.4	19.8	34.77	Pass
			50	0	22.40	-0.4	19.85	34.77	Pass
	23130	711	1	0	23.23	-0.4	20.68	34.77	Pass
			1	24	23.48	-0.4	20.93	34.77	Pass
			1	49	23.56	-0.4	21.01	34.77	Pass
			25	0	22.33	-0.4	19.78	34.77	Pass
			25	12	22.41	-0.4	19.86	34.77	Pass
			25	25	22.42	-0.4	19.87	34.77	Pass
			50	0	22.20	-0.4	19.65	34.77	Pass
16QAM	23060	704	1	0	22.28	-0.4	19.73	34.77	Pass
			1	24	22.52	-0.4	19.97	34.77	Pass
			1	49	22.56	-0.4	20.01	34.77	Pass
			25	0	21.23	-0.4	18.68	34.77	Pass
			25	12	21.12	-0.4	18.57	34.77	Pass
			25	25	21.30	-0.4	18.75	34.77	Pass
			50	0	21.24	-0.4	18.69	34.77	Pass
	23095	707.5	1	0	22.37	-0.4	19.82	34.77	Pass
			1	24	22.55	-0.4	20	34.77	Pass
			1	49	22.39	-0.4	19.84	34.77	Pass
			25	0	21.27	-0.4	18.72	34.77	Pass
			25	12	21.11	-0.4	18.56	34.77	Pass
			25	25	21.33	-0.4	18.78	34.77	Pass
			50	0	21.25	-0.4	18.7	34.77	Pass
	23130	711	1	0	22.36	-0.4	19.81	34.77	Pass
			1	24	22.52	-0.4	19.97	34.77	Pass
			1	49	22.57	-0.4	20.02	34.77	Pass
			25	0	21.28	-0.4	18.73	34.77	Pass
			25	12	21.23	-0.4	18.68	34.77	Pass
			25	25	21.25	-0.4	18.7	34.77	Pass
			50	0	21.16	-0.4	18.61	34.77	Pass

LTE Band 13(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23205	779.5	1	0	23.96	-0.4	21.41	34.77	Pass
			1	12	24.25	-0.4	21.7	34.77	Pass
			1	24	23.80	-0.4	21.25	34.77	Pass
			12	0	22.83	-0.4	20.28	34.77	Pass
			12	6	22.84	-0.4	20.29	34.77	Pass
			12	13	22.85	-0.4	20.3	34.77	Pass
			25	0	22.88	-0.4	20.33	34.77	Pass
	23230	782	1	0	23.69	-0.4	21.14	34.77	Pass
			1	12	24.00	-0.4	21.45	34.77	Pass
			1	24	23.74	-0.4	21.19	34.77	Pass
			12	0	22.66	-0.4	20.11	34.77	Pass
			12	6	22.66	-0.4	20.11	34.77	Pass
			12	13	22.78	-0.4	20.23	34.77	Pass
			25	0	22.63	-0.4	20.08	34.77	Pass
	23255	784.5	1	0	23.65	-0.4	21.1	34.77	Pass
			1	12	23.98	-0.4	21.43	34.77	Pass
			1	24	23.64	-0.4	21.09	34.77	Pass
			12	0	22.52	-0.4	19.97	34.77	Pass
			12	6	22.55	-0.4	20	34.77	Pass
			12	13	22.46	-0.4	19.91	34.77	Pass
			25	0	22.62	-0.4	20.07	34.77	Pass
16QAM	23205	779.5	1	0	23.02	-0.4	20.47	34.77	Pass
			1	12	23.28	-0.4	20.73	34.77	Pass
			1	24	22.99	-0.4	20.44	34.77	Pass
			12	0	21.94	-0.4	19.39	34.77	Pass
			12	6	21.96	-0.4	19.41	34.77	Pass
			12	13	21.98	-0.4	19.43	34.77	Pass
			25	0	21.77	-0.4	19.22	34.77	Pass
	23230	782	1	0	22.91	-0.4	20.36	34.77	Pass
			1	12	23.17	-0.4	20.62	34.77	Pass
			1	24	22.84	-0.4	20.29	34.77	Pass
			12	0	21.63	-0.4	19.08	34.77	Pass
			12	6	21.83	-0.4	19.28	34.77	Pass
			12	13	21.72	-0.4	19.17	34.77	Pass
			25	0	21.71	-0.4	19.16	34.77	Pass
	23255	784.5	1	0	22.69	-0.4	20.14	34.77	Pass
			1	12	23.07	-0.4	20.52	34.77	Pass
			1	24	22.77	-0.4	20.22	34.77	Pass
			12	0	21.62	-0.4	19.07	34.77	Pass
			12	6	21.69	-0.4	19.14	34.77	Pass
			12	13	21.69	-0.4	19.14	34.77	Pass
			25	0	21.54	-0.4	18.99	34.77	Pass

LTE Band 13(Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23230	782	1	0	23.81	-0.4	21.26	34.77	Pass
			1	24	23.82	-0.4	21.27	34.77	Pass
			1	49	23.59	-0.4	21.04	34.77	Pass
			25	0	22.65	-0.4	20.1	34.77	Pass
			25	12	22.78	-0.4	20.23	34.77	Pass
			25	25	22.73	-0.4	20.18	34.77	Pass
			50	0	22.72	-0.4	20.17	34.77	Pass
16QAM	23230	782	1	0	22.98	-0.4	20.43	34.77	Pass
			1	24	23.12	-0.4	20.57	34.77	Pass
			1	49	22.75	-0.4	20.2	34.77	Pass
			25	0	21.75	-0.4	19.2	34.77	Pass
			25	12	21.75	-0.4	19.2	34.77	Pass
			25	25	21.61	-0.4	19.06	34.77	Pass
			50	0	21.63	-0.4	19.08	34.77	Pass

LTE Band 17(Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23755	706.5	1	0	23.15	-0.4	20.6	34.77	Pass
			1	12	23.56	-0.4	21.01	34.77	Pass
			1	24	23.37	-0.4	20.82	34.77	Pass
			12	0	22.35	-0.4	19.8	34.77	Pass
			12	6	22.28	-0.4	19.73	34.77	Pass
			12	13	22.41	-0.4	19.86	34.77	Pass
			25	0	22.35	-0.4	19.8	34.77	Pass
	23790	710	1	0	23.35	-0.4	20.8	34.77	Pass
			1	12	23.75	-0.4	21.2	34.77	Pass
			1	24	23.48	-0.4	20.93	34.77	Pass
			12	0	22.27	-0.4	19.72	34.77	Pass
			12	6	22.45	-0.4	19.9	34.77	Pass
			12	13	22.38	-0.4	19.83	34.77	Pass
			25	0	22.31	-0.4	19.76	34.77	Pass
	23825	713.5	1	0	23.30	-0.4	20.75	34.77	Pass
			1	12	23.82	-0.4	21.27	34.77	Pass
			1	24	23.53	-0.4	20.98	34.77	Pass
			12	0	22.40	-0.4	19.85	34.77	Pass
			12	6	22.57	-0.4	20.02	34.77	Pass
			12	13	22.44	-0.4	19.89	34.77	Pass
			25	0	22.36	-0.4	19.81	34.77	Pass
16QAM	23755	706.5	1	0	22.29	-0.4	19.74	34.77	Pass
			1	12	22.76	-0.4	20.21	34.77	Pass
			1	24	22.39	-0.4	19.84	34.77	Pass
			12	0	21.26	-0.4	18.71	34.77	Pass
			12	6	21.52	-0.4	18.97	34.77	Pass
			12	13	21.39	-0.4	18.84	34.77	Pass
			25	0	21.29	-0.4	18.74	34.77	Pass
	23790	710	1	0	22.54	-0.4	19.99	34.77	Pass
			1	12	22.94	-0.4	20.39	34.77	Pass
			1	24	22.49	-0.4	19.94	34.77	Pass
			12	0	21.30	-0.4	18.75	34.77	Pass
			12	6	21.51	-0.4	18.96	34.77	Pass
			12	13	21.42	-0.4	18.87	34.77	Pass
			25	0	21.39	-0.4	18.84	34.77	Pass
	23825	713.5	1	0	22.42	-0.4	19.87	34.77	Pass
			1	12	22.85	-0.4	20.3	34.77	Pass
			1	24	22.49	-0.4	19.94	34.77	Pass
			12	0	21.53	-0.4	18.98	34.77	Pass
			12	6	21.60	-0.4	19.05	34.77	Pass
			12	13	21.30	-0.4	18.75	34.77	Pass
			25	0	21.36	-0.4	18.81	34.77	Pass

LTE Band 17(Bandwidth: 10MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23780	709	1	0	23.30	-0.4	20.75	34.77	Pass
			1	24	23.50	-0.4	20.95	34.77	Pass
			1	49	23.53	-0.4	20.98	34.77	Pass
			25	0	22.35	-0.4	19.8	34.77	Pass
			25	12	22.48	-0.4	19.93	34.77	Pass
			25	25	22.45	-0.4	19.9	34.77	Pass
			50	0	22.32	-0.4	19.77	34.77	Pass
	23790	710	1	0	23.17	-0.4	20.62	34.77	Pass
			1	24	23.59	-0.4	21.04	34.77	Pass
			1	49	23.56	-0.4	21.01	34.77	Pass
			25	0	22.40	-0.4	19.85	34.77	Pass
			25	12	22.48	-0.4	19.93	34.77	Pass
			25	25	22.41	-0.4	19.86	34.77	Pass
			50	0	22.37	-0.4	19.82	34.77	Pass
	23800	711	1	0	23.25	-0.4	20.7	34.77	Pass
			1	24	23.60	-0.4	21.05	34.77	Pass
			1	49	23.70	-0.4	21.15	34.77	Pass
			25	0	22.40	-0.4	19.85	34.77	Pass
			25	12	22.47	-0.4	19.92	34.77	Pass
			25	25	22.38	-0.4	19.83	34.77	Pass
			50	0	22.33	-0.4	19.78	34.77	Pass
16QAM	23780	709	1	0	22.42	-0.4	19.87	34.77	Pass
			1	24	22.68	-0.4	20.13	34.77	Pass
			1	49	22.41	-0.4	19.86	34.77	Pass
			25	0	21.25	-0.4	18.7	34.77	Pass
			25	12	21.42	-0.4	18.87	34.77	Pass
			25	25	21.26	-0.4	18.71	34.77	Pass
			50	0	21.25	-0.4	18.7	34.77	Pass
	23790	710	1	0	22.52	-0.4	19.97	34.77	Pass
			1	24	22.70	-0.4	20.15	34.77	Pass
			1	49	22.48	-0.4	19.93	34.77	Pass
			25	0	21.18	-0.4	18.63	34.77	Pass
			25	12	21.36	-0.4	18.81	34.77	Pass
			25	25	21.30	-0.4	18.75	34.77	Pass
			50	0	21.22	-0.4	18.67	34.77	Pass
	23800	711	1	0	22.59	-0.4	20.04	34.77	Pass
			1	24	22.68	-0.4	20.13	34.77	Pass
			1	49	22.74	-0.4	20.19	34.77	Pass
			25	0	21.29	-0.4	18.74	34.77	Pass
			25	12	21.49	-0.4	18.94	34.77	Pass
			25	25	21.24	-0.4	18.69	34.77	Pass
			50	0	21.32	-0.4	18.77	34.77	Pass

LTE Band 38 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37775	2572.5	1	0	23.04	1.17	24.21	33	Pass
			1	12	23.36	1.17	24.53	33	Pass
			1	24	22.96	1.17	24.13	33	Pass
			12	0	21.93	1.17	23.1	33	Pass
			12	6	22.16	1.17	23.33	33	Pass
			12	13	21.91	1.17	23.08	33	Pass
			25	0	21.97	1.17	23.14	33	Pass
	38000	2595	1	0	22.96	1.17	24.13	33	Pass
			1	12	23.35	1.17	24.52	33	Pass
			1	24	22.86	1.17	24.03	33	Pass
			12	0	21.93	1.17	23.1	33	Pass
			12	6	22.06	1.17	23.23	33	Pass
			12	13	21.98	1.17	23.15	33	Pass
			25	0	21.94	1.17	23.11	33	Pass
	38225	2617.5	1	0	22.92	1.17	24.09	33	Pass
			1	12	23.31	1.17	24.48	33	Pass
			1	24	23.04	1.17	24.21	33	Pass
			12	0	21.92	1.17	23.09	33	Pass
			12	6	22.03	1.17	23.2	33	Pass
			12	13	21.88	1.17	23.05	33	Pass
			25	0	21.98	1.17	23.15	33	Pass
16QAM	37775	2572.5	1	0	21.97	1.17	23.14	33	Pass
			1	12	22.17	1.17	23.34	33	Pass
			1	24	21.91	1.17	23.08	33	Pass
			12	0	20.98	1.17	22.15	33	Pass
			12	6	21.04	1.17	22.21	33	Pass
			12	13	21.08	1.17	22.25	33	Pass
			25	0	21.07	1.17	22.24	33	Pass
	38000	2595	1	0	22.23	1.17	23.4	33	Pass
			1	12	22.60	1.17	23.77	33	Pass
			1	24	22.20	1.17	23.37	33	Pass
			12	0	21.08	1.17	22.25	33	Pass
			12	6	21.02	1.17	22.19	33	Pass
			12	13	20.95	1.17	22.12	33	Pass
			25	0	21.11	1.17	22.28	33	Pass
	38225	2617.5	1	0	21.97	1.17	23.14	33	Pass
			1	12	22.14	1.17	23.31	33	Pass
			1	24	21.78	1.17	22.95	33	Pass
			12	0	20.97	1.17	22.14	33	Pass
			12	6	20.99	1.17	22.16	33	Pass
			12	13	20.98	1.17	22.15	33	Pass
			25	0	21.01	1.17	22.18	33	Pass

LTE Band 38 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37800	2575	1	0	23.07	1.17	24.24	33	Pass
			1	24	23.19	1.17	24.36	33	Pass
			1	49	23.01	1.17	24.18	33	Pass
			25	0	22.06	1.17	23.23	33	Pass
			25	12	21.98	1.17	23.15	33	Pass
			25	25	22.06	1.17	23.23	33	Pass
			50	0	22.00	1.17	23.17	33	Pass
	38000	2595	1	0	22.95	1.17	24.12	33	Pass
			1	24	23.10	1.17	24.27	33	Pass
			1	49	22.96	1.17	24.13	33	Pass
			25	0	22.13	1.17	23.3	33	Pass
			25	12	21.97	1.17	23.14	33	Pass
			25	25	22.12	1.17	23.29	33	Pass
			50	0	21.96	1.17	23.13	33	Pass
	38200	2615	1	0	22.97	1.17	24.14	33	Pass
			1	24	23.15	1.17	24.32	33	Pass
			1	49	23.00	1.17	24.17	33	Pass
			25	0	22.07	1.17	23.24	33	Pass
			25	12	22.13	1.17	23.3	33	Pass
			25	25	22.15	1.17	23.32	33	Pass
			50	0	22.07	1.17	23.24	33	Pass
16QAM	37800	2575	1	0	22.17	1.17	23.34	33	Pass
			1	24	22.40	1.17	23.57	33	Pass
			1	49	22.21	1.17	23.38	33	Pass
			25	0	21.09	1.17	22.26	33	Pass
			25	12	20.96	1.17	22.13	33	Pass
			25	25	20.93	1.17	22.1	33	Pass
			50	0	21.10	1.17	22.27	33	Pass
	38000	2595	1	0	22.14	1.17	23.31	33	Pass
			1	24	22.28	1.17	23.45	33	Pass
			1	49	22.20	1.17	23.37	33	Pass
			25	0	21.01	1.17	22.18	33	Pass
			25	12	20.90	1.17	22.07	33	Pass
			25	25	20.97	1.17	22.14	33	Pass
			50	0	21.00	1.17	22.17	33	Pass
	38200	2615	1	0	22.20	1.17	23.37	33	Pass
			1	24	22.27	1.17	23.44	33	Pass
			1	49	22.04	1.17	23.21	33	Pass
			25	0	20.94	1.17	22.11	33	Pass
			25	12	21.07	1.17	22.24	33	Pass
			25	25	21.01	1.17	22.18	33	Pass
			50	0	21.13	1.17	22.3	33	Pass

LTE Band 38 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37825	2577.5	1	0	23.00	1.17	24.17	33	Pass
			1	37	22.92	1.17	24.09	33	Pass
			1	74	23.02	1.17	24.19	33	Pass
			37	0	22.11	1.17	23.28	33	Pass
			37	18	22.16	1.17	23.33	33	Pass
			37	38	22.13	1.17	23.3	33	Pass
			75	0	22.13	1.17	23.3	33	Pass
	38000	2595	1	0	22.96	1.17	24.13	33	Pass
			1	37	23.00	1.17	24.17	33	Pass
			1	74	22.95	1.17	24.12	33	Pass
			37	0	22.12	1.17	23.29	33	Pass
			37	18	21.98	1.17	23.15	33	Pass
			37	38	22.01	1.17	23.18	33	Pass
			75	0	22.02	1.17	23.19	33	Pass
	38175	2612.5	1	0	23.04	1.17	24.21	33	Pass
			1	37	23.12	1.17	24.29	33	Pass
			1	74	22.87	1.17	24.04	33	Pass
			37	0	21.96	1.17	23.13	33	Pass
			37	18	22.09	1.17	23.26	33	Pass
			37	38	22.12	1.17	23.29	33	Pass
			75	0	22.09	1.17	23.26	33	Pass
16QAM	37825	2577.5	1	0	22.12	1.17	23.29	33	Pass
			1	37	22.19	1.17	23.36	33	Pass
			1	74	22.16	1.17	23.33	33	Pass
			37	0	21.11	1.17	22.28	33	Pass
			37	18	21.11	1.17	22.28	33	Pass
			37	38	21.04	1.17	22.21	33	Pass
			75	0	20.95	1.17	22.12	33	Pass
	38000	2595	1	0	22.25	1.17	23.42	33	Pass
			1	37	22.26	1.17	23.43	33	Pass
			1	74	22.17	1.17	23.34	33	Pass
			37	0	21.12	1.17	22.29	33	Pass
			37	18	21.03	1.17	22.2	33	Pass
			37	38	21.06	1.17	22.23	33	Pass
			75	0	21.00	1.17	22.17	33	Pass
	38175	2612.5	1	0	22.03	1.17	23.2	33	Pass
			1	37	22.12	1.17	23.29	33	Pass
			1	74	22.06	1.17	23.23	33	Pass
			37	0	20.91	1.17	22.08	33	Pass
			37	18	20.95	1.17	22.12	33	Pass
			37	38	21.13	1.17	22.3	33	Pass
			75	0	21.03	1.17	22.2	33	Pass

LTE Band 38 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37850	2580	1	0	22.91	1.17	24.08	33	Pass
			1	49	23.24	1.17	24.41	33	Pass
			1	99	22.85	1.17	24.02	33	Pass
			50	0	21.96	1.17	23.13	33	Pass
			50	25	22.02	1.17	23.19	33	Pass
			50	50	22.07	1.17	23.24	33	Pass
			100	0	21.98	1.17	23.15	33	Pass
	38000	2595	1	0	22.74	1.17	23.91	33	Pass
			1	49	23.31	1.17	24.48	33	Pass
			1	99	22.97	1.17	24.14	33	Pass
			50	0	22.03	1.17	23.2	33	Pass
			50	25	22.06	1.17	23.23	33	Pass
			50	50	22.01	1.17	23.18	33	Pass
			100	0	22.06	1.17	23.23	33	Pass
	38150	2610	1	0	22.67	1.17	23.84	33	Pass
			1	49	23.12	1.17	24.29	33	Pass
			1	99	22.81	1.17	23.98	33	Pass
			50	0	21.92	1.17	23.09	33	Pass
			50	25	22.09	1.17	23.26	33	Pass
			50	50	22.13	1.17	23.3	33	Pass
			100	0	21.91	1.17	23.08	33	Pass
16QAM	37850	2580	1	0	22.01	1.17	23.18	33	Pass
			1	49	22.34	1.17	23.51	33	Pass
			1	99	21.95	1.17	23.12	33	Pass
			50	0	21.01	1.17	22.18	33	Pass
			50	25	21.10	1.17	22.27	33	Pass
			50	50	20.94	1.17	22.11	33	Pass
			100	0	20.98	1.17	22.15	33	Pass
	38000	2595	1	0	22.06	1.17	23.23	33	Pass
			1	49	22.42	1.17	23.59	33	Pass
			1	99	22.06	1.17	23.23	33	Pass
			50	0	20.95	1.17	22.12	33	Pass
			50	25	20.94	1.17	22.11	33	Pass
			50	50	21.11	1.17	22.28	33	Pass
			100	0	20.94	1.17	22.11	33	Pass
	38150	2610	1	0	21.94	1.17	23.11	33	Pass
			1	49	22.31	1.17	23.48	33	Pass
			1	99	21.97	1.17	23.14	33	Pass
			50	0	20.91	1.17	22.08	33	Pass
			50	25	21.08	1.17	22.25	33	Pass
			50	50	21.09	1.17	22.26	33	Pass
			100	0	20.92	1.17	22.09	33	Pass

LTE Band 41 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40265	2557.5	1	0	22.83	1.17	24	33	Pass
			1	12	23.13	1.17	24.3	33	Pass
			1	24	22.84	1.17	24.01	33	Pass
			12	0	21.90	1.17	23.07	33	Pass
			12	6	21.95	1.17	23.12	33	Pass
			12	13	21.86	1.17	23.03	33	Pass
			25	0	22.00	1.17	23.17	33	Pass
	40740	2605	1	0	22.93	1.17	24.1	33	Pass
			1	12	23.39	1.17	24.56	33	Pass
			1	24	22.98	1.17	24.15	33	Pass
			12	0	21.96	1.17	23.13	33	Pass
			12	6	21.94	1.17	23.11	33	Pass
			12	13	22.05	1.17	23.22	33	Pass
			25	0	22.04	1.17	23.21	33	Pass
	41215	2652.5	1	0	22.89	1.17	24.06	33	Pass
			1	12	23.19	1.17	24.36	33	Pass
			1	24	22.77	1.17	23.94	33	Pass
			12	0	21.80	1.17	22.97	33	Pass
			12	6	21.82	1.17	22.99	33	Pass
			12	13	21.82	1.17	22.99	33	Pass
			25	0	21.95	1.17	23.12	33	Pass
16QAM	40265	2557.5	1	0	22.06	1.17	23.23	33	Pass
			1	12	22.50	1.17	23.67	33	Pass
			1	24	22.31	1.17	23.48	33	Pass
			12	0	21.03	1.17	22.2	33	Pass
			12	6	21.03	1.17	22.2	33	Pass
			12	13	21.01	1.17	22.18	33	Pass
			25	0	20.90	1.17	22.07	33	Pass
	40740	2605	1	0	22.11	1.17	23.28	33	Pass
			1	12	22.33	1.17	23.5	33	Pass
			1	24	22.14	1.17	23.31	33	Pass
			12	0	20.87	1.17	22.04	33	Pass
			12	6	21.10	1.17	22.27	33	Pass
			12	13	21.06	1.17	22.23	33	Pass
			25	0	20.91	1.17	22.08	33	Pass
	41215	2652.5	1	0	21.81	1.17	22.98	33	Pass
			1	12	21.94	1.17	23.11	33	Pass
			1	24	21.81	1.17	22.98	33	Pass
			12	0	20.80	1.17	21.97	33	Pass
			12	6	20.76	1.17	21.93	33	Pass
			12	13	20.78	1.17	21.95	33	Pass
			25	0	20.75	1.17	21.92	33	Pass

LTE Band 41 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40290	2560	1	0	22.87	1.17	24.04	33	Pass
			1	24	23.11	1.17	24.28	33	Pass
			1	49	22.87	1.17	24.04	33	Pass
			25	0	22.08	1.17	23.25	33	Pass
			25	12	22.06	1.17	23.23	33	Pass
			25	25	21.99	1.17	23.16	33	Pass
			50	0	22.06	1.17	23.23	33	Pass
	40740	2605	1	0	23.01	1.17	24.18	33	Pass
			1	24	23.22	1.17	24.39	33	Pass
			1	49	23.04	1.17	24.21	33	Pass
			25	0	22.06	1.17	23.23	33	Pass
			25	12	22.03	1.17	23.2	33	Pass
			25	25	22.02	1.17	23.19	33	Pass
			50	0	22.00	1.17	23.17	33	Pass
	41190	2650	1	0	22.79	1.17	23.96	33	Pass
			1	24	22.99	1.17	24.16	33	Pass
			1	49	22.87	1.17	24.04	33	Pass
			25	0	21.99	1.17	23.16	33	Pass
			25	12	21.87	1.17	23.04	33	Pass
			25	25	22.03	1.17	23.2	33	Pass
			50	0	21.92	1.17	23.09	33	Pass
16QAM	40290	2560	1	0	22.10	1.17	23.27	33	Pass
			1	24	22.31	1.17	23.48	33	Pass
			1	49	22.07	1.17	23.24	33	Pass
			25	0	20.86	1.17	22.03	33	Pass
			25	12	20.93	1.17	22.1	33	Pass
			25	25	21.01	1.17	22.18	33	Pass
			50	0	21.03	1.17	22.2	33	Pass
	40740	2605	1	0	22.09	1.17	23.26	33	Pass
			1	24	22.34	1.17	23.51	33	Pass
			1	49	22.22	1.17	23.39	33	Pass
			25	0	20.98	1.17	22.15	33	Pass
			25	12	20.95	1.17	22.12	33	Pass
			25	25	20.93	1.17	22.1	33	Pass
			50	0	21.04	1.17	22.21	33	Pass
	41190	2650	1	0	22.15	1.17	23.32	33	Pass
			1	24	22.29	1.17	23.46	33	Pass
			1	49	21.99	1.17	23.16	33	Pass
			25	0	20.95	1.17	22.12	33	Pass
			25	12	20.97	1.17	22.14	33	Pass
			25	25	20.89	1.17	22.06	33	Pass
			50	0	20.87	1.17	22.04	33	Pass

LTE Band 41 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40315	2562.5	1	0	22.89	1.17	24.06	33	Pass
			1	24	23.11	1.17	24.28	33	Pass
			1	49	22.88	1.17	24.05	33	Pass
			25	0	22.08	1.17	23.25	33	Pass
			25	12	22.11	1.17	23.28	33	Pass
			25	25	22.05	1.17	23.22	33	Pass
			50	0	22.17	1.17	23.34	33	Pass
	40740	2605	1	0	22.84	1.17	24.01	33	Pass
			1	24	23.01	1.17	24.18	33	Pass
			1	49	22.99	1.17	24.16	33	Pass
			25	0	22.06	1.17	23.23	33	Pass
			25	12	22.13	1.17	23.3	33	Pass
			25	25	22.02	1.17	23.19	33	Pass
			50	0	22.15	1.17	23.32	33	Pass
	41165	2647.5	1	0	22.87	1.17	24.04	33	Pass
			1	24	22.94	1.17	24.11	33	Pass
			1	49	22.76	1.17	23.93	33	Pass
			25	0	21.92	1.17	23.09	33	Pass
			25	12	21.95	1.17	23.12	33	Pass
			25	25	21.98	1.17	23.15	33	Pass
			50	0	21.96	1.17	23.13	33	Pass
16QAM	40315	2562.5	1	0	22.08	1.17	23.25	33	Pass
			1	24	22.21	1.17	23.38	33	Pass
			1	49	22.28	1.17	23.45	33	Pass
			25	0	21.04	1.17	22.21	33	Pass
			25	12	21.01	1.17	22.18	33	Pass
			25	25	21.00	1.17	22.17	33	Pass
			50	0	21.00	1.17	22.17	33	Pass
	40740	2605	1	0	22.11	1.17	23.28	33	Pass
			1	24	22.22	1.17	23.39	33	Pass
			1	49	22.01	1.17	23.18	33	Pass
			25	0	20.99	1.17	22.16	33	Pass
			25	12	21.03	1.17	22.2	33	Pass
			25	25	21.03	1.17	22.2	33	Pass
			50	0	21.00	1.17	22.17	33	Pass
	41165	2647.5	1	0	22.02	1.17	23.19	33	Pass
			1	24	22.16	1.17	23.33	33	Pass
			1	49	21.99	1.17	23.16	33	Pass
			25	0	20.97	1.17	22.14	33	Pass
			25	12	20.91	1.17	22.08	33	Pass
			25	25	20.92	1.17	22.09	33	Pass
			50	0	20.90	1.17	22.07	33	Pass

LTE Band 41 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40340	2565	1	0	22.81	1.17	23.98	33	Pass
			1	49	23.18	1.17	24.35	33	Pass
			1	99	22.81	1.17	23.98	33	Pass
			50	0	21.90	1.17	23.07	33	Pass
			50	25	21.98	1.17	23.15	33	Pass
			50	50	22.01	1.17	23.18	33	Pass
			100	0	21.95	1.17	23.12	33	Pass
	40740	2605	1	0	22.87	1.17	24.04	33	Pass
			1	49	23.36	1.17	24.53	33	Pass
			1	99	22.83	1.17	24	33	Pass
			50	0	21.97	1.17	23.14	33	Pass
			50	25	22.04	1.17	23.21	33	Pass
			50	50	22.07	1.17	23.24	33	Pass
			100	0	21.91	1.17	23.08	33	Pass
	41140	2645	1	0	22.83	1.17	24	33	Pass
			1	49	23.17	1.17	24.34	33	Pass
			1	99	22.66	1.17	23.83	33	Pass
			50	0	21.90	1.17	23.07	33	Pass
			50	25	21.88	1.17	23.05	33	Pass
			50	50	21.98	1.17	23.15	33	Pass
			100	0	21.86	1.17	23.03	33	Pass
16QAM	40340	2565	1	0	21.91	1.17	23.08	33	Pass
			1	49	22.47	1.17	23.64	33	Pass
			1	99	22.10	1.17	23.27	33	Pass
			50	0	20.90	1.17	22.07	33	Pass
			50	25	21.00	1.17	22.17	33	Pass
			50	50	20.95	1.17	22.12	33	Pass
			100	0	21.01	1.17	22.18	33	Pass
	40740	2605	1	0	21.92	1.17	23.09	33	Pass
			1	49	22.31	1.17	23.48	33	Pass
			1	99	22.02	1.17	23.19	33	Pass
			50	0	20.98	1.17	22.15	33	Pass
			50	25	21.05	1.17	22.22	33	Pass
			50	50	21.11	1.17	22.28	33	Pass
			100	0	21.01	1.17	22.18	33	Pass
	41140	2645	1	0	21.72	1.17	22.89	33	Pass
			1	49	22.17	1.17	23.34	33	Pass
			1	99	21.74	1.17	22.91	33	Pass
			50	0	20.86	1.17	22.03	33	Pass
			50	25	20.92	1.17	22.09	33	Pass
			50	50	20.92	1.17	22.09	33	Pass
			100	0	20.89	1.17	22.06	33	Pass

5.2. Peak to Average Ratio

5.2.1. Test Standard

CFR 47 (FCC) part 24 subpart E, part 27

5.2.2. Test Limit

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

5.2.3. Test Procedure

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. For GSM signals, an average and a peak trace are used on a spectrum analyzer to determine the largest deviation between the average and the peak power of the EUT in a bandwidth greater than the emission bandwidth. The traces are generated with the spectrum analyzer set to zero span mode. For LTE operating mode: a. The EUT was connected to spectrum and system simulator via a power divider. b. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer. c. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%. d. Record the deviation as Peak to Average Ratio.

5.2.4. Test Data

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
GSM1900	GPRS/TM1	1850.2	0.15	<13	PASS
		1880	0.19	<13	PASS
		1909.8	0.21	<13	PASS
GSM1900	EDGE/TM2	1850.2	2.82	<13	PASS
		1880	2.96	<13	PASS
		1909.8	2.74	<13	PASS

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM3	1852.4	2.86	<13	PASS
		1880	2.84	<13	PASS
		1907.6	2.71	<13	PASS

LTE Band 2:

Channel Bandwidth: 1.4 MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1850.7	6	0	5.15	<13	PASS
	1880	6	0	4.58	<13	PASS
	1909.3	6	0	4.58	<13	PASS
16QAM	1850.7	6	0	6.15	<13	PASS
	1880	6	0	6.11	<13	PASS
	1909.3	6	0	5.52	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1851.5	15	0	5.09	<13	PASS
	1880	15	0	5.29	<13	PASS
	1908.5	15	0	4.75	<13	PASS
16QAM	1851.5	15	0	6.21	<13	PASS
	1880	15	0	6.22	<13	PASS
	1908.5	15	0	5.80	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1852.5	25	0	5.20	<13	PASS
	1880	25	0	5.35	<13	PASS
	1907.5	25	0	4.92	<13	PASS
16QAM	1852.5	25	0	6.07	<13	PASS
	1880	25	0	6.16	<13	PASS
	1907.5	25	0	5.75	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1855	50	0	5.34	<13	PASS
	1880	50	0	5.43	<13	PASS
	1905	50	0	5.14	<13	PASS
16QAM	1855	50	0	6.11	<13	PASS
	1880	50	0	6.25	<13	PASS
	1905	50	0	5.91	<13	PASS

Channel Bandwidth: 15MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1857.5	75	0	5.06	<13	PASS
	1880	75	0	5.26	<13	PASS
	1902.5	75	0	5.04	<13	PASS
16QAM	1857.5	75	0	6.01	<13	PASS
	1880	75	0	6.12	<13	PASS
	1902.5	75	0	5.94	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1860	100	0	5.42	<13	PASS
	1880	100	0	5.42	<13	PASS
	1900	100	0	5.33	<13	PASS
16QAM	1860	100	0	6.40	<13	PASS
	1880	100	0	6.48	<13	PASS
	1900	100	0	6.39	<13	PASS

LTE Band 4:

Channel Bandwidth: 1.4 MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1710.7	6	0	4.38	<13	PASS
	1745	6	0	4.30	<13	PASS
	1779.3	6	0	4.14	<13	PASS
16QAM	1710.7	6	0	5.43	<13	PASS
	1745	6	0	5.40	<13	PASS
	1779.3	6	0	5.22	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1711.5	15	0	4.46	<13	PASS
	1745	15	0	4.36	<13	PASS
	1778.5	15	0	4.17	<13	PASS
16QAM	1711.5	15	0	5.41	<13	PASS
	1745	15	0	5.36	<13	PASS
	1778.5	15	0	5.18	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1712.5	25	0	4.59	<13	PASS
	1745	25	0	4.53	<13	PASS
	1777.5	25	0	4.24	<13	PASS
16QAM	1712.5	25	0	5.53	<13	PASS
	1745	25	0	5.40	<13	PASS
	1777.5	25	0	5.12	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1715	50	0	5.04	<13	PASS
	1745	50	0	4.88	<13	PASS
	1775	50	0	4.64	<13	PASS
16QAM	1715	50	0	5.83	<13	PASS
	1745	50	0	5.72	<13	PASS
	1775	50	0	5.44	<13	PASS

Channel Bandwidth: 15MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1717.5	75	0	4.93	<13	PASS
	1745	75	0	4.82	<13	PASS
	1772.5	75	0	4.66	<13	PASS
16QAM	1717.5	75	0	5.85	<13	PASS
	1745	75	0	5.75	<13	PASS
	1772.5	75	0	5.57	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1720	100	0	5.39	<13	PASS
	1745	100	0	5.35	<13	PASS
	1770	100	0	5.32	<13	PASS
16QAM	1720	100	0	6.37	<13	PASS
	1745	100	0	6.40	<13	PASS
	1770	100	0	6.31	<13	PASS

LTE Band 5:

Channel Bandwidth: 1.4 MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	824.7	6	0	4.75	<13	PASS
	836.5	6	0	5.03	<13	PASS
	848.3	6	0	4.58	<13	PASS
16QAM	824.7	6	0	5.67	<13	PASS
	836.5	6	0	6.04	<13	PASS
	848.3	6	0	5.56	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	825.5	15	0	4.83	<13	PASS
	836.5	15	0	5.03	<13	PASS
	847.5	15	0	4.68	<13	PASS
16QAM	825.5	15	0	5.69	<13	PASS
	836.5	15	0	5.98	<13	PASS
	847.5	15	0	5.68	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	826.5	25	0	4.89	<13	PASS
	836.5	25	0	5.13	<13	PASS
	846.5	25	0	4.92	<13	PASS
16QAM	826.5	25	0	5.73	<13	PASS
	836.5	25	0	5.90	<13	PASS
	846.5	25	0	5.73	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	829	50	0	5.20	<13	PASS
	836.5	50	0	5.32	<13	PASS
	844	50	0	5.28	<13	PASS
16QAM	829	50	0	5.97	<13	PASS
	836.5	50	0	6.05	<13	PASS
	844	50	0	6.00	<13	PASS

LTE Band 7:

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	2502.5	25	0	4.82	<13	PASS
	2535	25	0	4.06	<13	PASS
	2567.5	25	0	4.40	<13	PASS
16QAM	2502.5	25	0	5.84	<13	PASS
	2535	25	0	4.96	<13	PASS
	2567.5	25	0	5.30	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	2505	50	0	4.78	<13	PASS
	2535	50	0	4.01	<13	PASS
	2565	50	0	4.72	<13	PASS
16QAM	2505	50	0	5.68	<13	PASS
	2535	50	0	5.03	<13	PASS
	2565	50	0	5.65	<13	PASS

Channel Bandwidth: 15MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	2507.5	75	0	5.41	<13	PASS
	2535	75	0	5.16	<13	PASS
	2562.5	75	0	5.28	<13	PASS
16QAM	2507.5	75	0	6.28	<13	PASS
	2535	75	0	5.98	<13	PASS
	2562.5	75	0	6.14	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	2510	100	0	5.40	<13	PASS
	2535	100	0	5.37	<13	PASS
	2560	100	0	5.30	<13	PASS
16QAM	2510	100	0	6.46	<13	PASS
	2535	100	0	6.44	<13	PASS
	2560	100	0	6.49	<13	PASS

LTE Band 12:

Channel Bandwidth: 1.4MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	699.7	6	0	3.88	<13	PASS
	707.5	6	0	4.40	<13	PASS
	715.3	6	0	3.79	<13	PASS
16QAM	699.7	6	0	4.86	<13	PASS
	707.5	6	0	5.36	<13	PASS
	715.3	6	0	4.74	<13	PASS

Channel Bandwidth: 3MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	700.5	15	0	3.87	<13	PASS
	707.5	15	0	4.30	<13	PASS
	714.5	15	0	3.83	<13	PASS
16QAM	700.5	15	0	4.91	<13	PASS
	707.5	15	0	5.18	<13	PASS
	714.5	15	0	4.66	<13	PASS

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	701.5	25	0	3.98	<13	PASS
	707.5	25	0	4.36	<13	PASS
	713.5	25	0	4.15	<13	PASS
16QAM	701.5	25	0	4.94	<13	PASS
	707.5	25	0	5.32	<13	PASS
	713.5	25	0	4.95	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	704	50	0	3.82	<13	PASS
	707.5	50	0	4.05	<13	PASS
	711	50	0	4.44	<13	PASS
16QAM	704	50	0	4.79	<13	PASS
	707.5	50	0	5.05	<13	PASS
	711	50	0	5.35	<13	PASS

LTE Band 13:

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	799.5	25	0	3.55	<13	PASS
	782	25	0	3.99	<13	PASS
	784.5	25	0	3.81	<13	PASS
16QAM	799.5	25	0	4.31	<13	PASS
	782	25	0	4.69	<13	PASS
	784.5	25	0	4.77	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	782	50	0	4.84	<13	PASS
16QAM	782	50	0	5.65	<13	PASS

LTE Band 17:

Channel Bandwidth: 5MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	706.5	25	0	4.57	<13	PASS
	710	25	0	4.68	<13	PASS
	713.5	25	0	4.11	<13	PASS
16QAM	706.5	25	0	5.31	<13	PASS
	710	25	0	5.41	<13	PASS
	713.5	25	0	5.09	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	709	50	0	4.23	<13	PASS
	710	50	0	4.45	<13	PASS
	711	50	0	4.36	<13	PASS
16QAM	709	50	0	5.18	<13	PASS
	710	50	0	5.39	<13	PASS
	711	50	0	5.30	<13	PASS

5.3.Occupied Bandwidth/Emission Bandwidth

5.3.1.Test Standard

FCC: CFR Part 2.1049, CFR Part 22.917, CFR Part 24.238, CRF Part 27

5.3.2.Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.

(h) Transmitters employing digital modulation techniques-when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated.

5.3.3.Test Procedure

1. Connect the equipment as shown in the above diagram.
 2. Adjust the settings of the Universal Radio Communication Tester (CMU/CMW) to set the EUT to its maximum power at the required channel.
 3. Set the spectrum analyzer to measure the 99% occupied bandwidth. Record the value.
 4. Set the spectrum analyzer to measure the -26 dB emission bandwidth. Record the value.
 5. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
- Spectrum analyzer settings: Measurement bandwidth of at least 1% of the occupied bandwidth.

5.3.4. Test Data

Table 7 Occupied Bandwidth Test Data

Test Band	Test Mode	Test Channel	99% OBW (kHz)	26dBc BANDWIDTH (kHz)	Verdict
GSM850	GPRS/TM1	LCH	248.06	319.07	PASS
		MCH	248.59	317.30	PASS
		HCH	245.99	315.53	PASS
	EDGE/TM2	LCH	267.87	355.21	PASS
		MCH	265.30	342.44	PASS
		HCH	263.88	332.60	PASS
GSM1900	GPRS/TM1	LCH	245.98	312.76	PASS
		MCH	244.73	311.05	PASS
		HCH	242.71	309.15	PASS
	EDGE/TM2	LCH	247.20	315.64	PASS
		MCH	255.80	318.73	PASS
		HCH	255.80	323.55	PASS

Table 8 Occupied Bandwidth Test Data

Test Band	Test Mode	Test Channel	99% OBW (kHz)	26dBc BANDWIDTH (kHz)	Verdict
WCDMA850	UMTS/TM3	LCH	4156.5	4719	PASS
		MCH	4172.1	4697	PASS
		HCH	4166.0	4717	PASS
WCDMA1900	UMTS/TM3	LCH	4174.8	4729	PASS
		MCH	4175.5	4723	PASS
		HCH	4181.8	4734	PASS

LTE Band 2:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.1058	1.280	PASS
	MCH	6	0	1.1031	1.278	PASS
	HCH	6	0	1.1070	1.281	PASS
16QAM	LCH	6	0	1.1085	1.299	PASS
	MCH	6	0	1.1092	1.280	PASS
	HCH	6	0	1.1104	1.290	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6882	2.863	PASS
	MCH	15	0	2.6855	2.851	PASS
	HCH	15	0	2.6915	2.861	PASS
16QAM	LCH	15	0	2.6940	2.858	PASS
	MCH	15	0	2.6869	2.864	PASS
	HCH	15	0	2.6871	2.861	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4786	4.847	PASS
	MCH	25	0	4.4773	4.908	PASS
	HCH	25	0	4.4794	4.888	PASS
16QAM	LCH	25	0	4.4785	4.786	PASS
	MCH	25	0	4.4733	4.848	PASS
	HCH	25	0	4.4805	4.850	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9247	9.473	PASS
	MCH	50	0	8.9549	9.489	PASS
	HCH	50	0	8.9421	9.657	PASS
16QAM	LCH	50	0	8.9412	9.463	PASS
	MCH	50	0	8.9267	9.468	PASS
	HCH	50	0	8.9518	9.492	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.381	14.03	PASS
	MCH	75	0	13.413	14.07	PASS
	HCH	75	0	13.422	14.29	PASS
16QAM	LCH	75	0	13.382	14.02	PASS
	MCH	75	0	13.412	14.10	PASS
	HCH	75	0	13.416	14.08	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.829	18.62	PASS
	MCH	100	0	17.879	18.71	PASS
	HCH	100	0	17.866	18.66	PASS
16QAM	LCH	100	0	17.842	18.64	PASS
	MCH	100	0	17.882	18.66	PASS
	HCH	100	0	17.874	18.61	PASS

LTE Band 4:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.1085	1.289	PASS
	MCH	6	0	1.1084	1.279	PASS
	HCH	6	0	1.1023	1.276	PASS
16QAM	LCH	6	0	1.1102	1.269	PASS
	MCH	6	0	1.1118	1.287	PASS
	HCH	6	0	1.1104	1.296	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6876	2.863	PASS
	MCH	15	0	2.6904	2.850	PASS
	HCH	15	0	2.6896	2.857	PASS
16QAM	LCH	15	0	2.6926	2.860	PASS
	MCH	15	0	2.6919	2.867	PASS
	HCH	15	0	2.6868	2.873	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4762	4.885	PASS
	MCH	25	0	4.4771	4.898	PASS
	HCH	25	0	4.4804	4.917	PASS
16QAM	LCH	25	0	4.4793	4.812	PASS
	MCH	25	0	4.4706	4.878	PASS
	HCH	25	0	4.4840	4.885	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9382	9.448	PASS
	MCH	50	0	8.9436	9.471	PASS
	HCH	50	0	8.9433	9.623	PASS
16QAM	LCH	50	0	8.9422	9.469	PASS
	MCH	50	0	8.9283	9.494	PASS
	HCH	50	0	8.9377	9.564	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.406	14.09	PASS
	MCH	75	0	13.399	14.17	PASS
	HCH	75	0	13.434	15.53	PASS
16QAM	LCH	75	0	13.399	14.08	PASS
	MCH	75	0	13.407	14.17	PASS
	HCH	75	0	13.414	14.12	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.870	18.70	PASS
	MCH	100	0	17.877	18.71	PASS
	HCH	100	0	17.871	18.63	PASS
16QAM	LCH	100	0	17.859	18.64	PASS
	MCH	100	0	17.861	18.64	PASS
	HCH	100	0	17.870	18.63	PASS

LTE Band 5:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.1071	1.277	PASS
	MCH	6	0	1.1071	1.277	PASS
	HCH	6	0	1.1079	1.280	PASS
16QAM	LCH	6	0	1.1054	1.274	PASS
	MCH	6	0	1.1089	1.295	PASS
	HCH	6	0	1.1113	1.284	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6870	2.859	PASS
	MCH	15	0	2.6915	2.866	PASS
	HCH	15	0	2.6875	2.869	PASS
16QAM	LCH	15	0	2.6953	2.859	PASS
	MCH	15	0	2.6862	2.857	PASS
	HCH	15	0	2.6879	2.856	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4751	4.886	PASS
	MCH	25	0	4.4734	4.893	PASS
	HCH	25	0	4.4749	4.894	PASS
16QAM	LCH	25	0	4.4777	4.826	PASS
	MCH	25	0	4.4840	4.888	PASS
	HCH	25	0	4.4824	4.864	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9389	9.487	PASS
	MCH	50	0	8.9411	9.476	PASS
	HCH	50	0	8.9575	9.535	PASS
16QAM	LCH	50	0	8.9278	9.506	PASS
	MCH	50	0	8.9311	9.525	PASS
	HCH	50	0	8.9404	9.473	PASS

LTE Band 7:

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4761	4.900	PASS
	MCH	25	0	4.4759	4.895	PASS
	HCH	25	0	4.4857	4.871	PASS
16QAM	LCH	25	0	4.4819	4.896	PASS
	MCH	25	0	4.4781	4.810	PASS
	HCH	25	0	4.4750	4.853	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9510	9.484	PASS
	MCH	50	0	8.9337	9.480	PASS
	HCH	50	0	8.9403	9.491	PASS
16QAM	LCH	50	0	8.9394	9.496	PASS
	MCH	50	0	8.9344	9.479	PASS
	HCH	50	0	8.9226	9.423	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.401	14.09	PASS
	MCH	75	0	13.403	14.04	PASS
	HCH	75	0	13.402	14.03	PASS
16QAM	LCH	75	0	13.387	14.08	PASS
	MCH	75	0	13.398	14.08	PASS
	HCH	75	0	13.402	14.06	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.864	18.63	PASS
	MCH	100	0	17.884	18.65	PASS
	HCH	100	0	17.852	18.62	PASS
16QAM	LCH	100	0	17.858	18.62	PASS
	MCH	100	0	17.857	18.64	PASS
	HCH	100	0	17.851	18.62	PASS

LTE Band 12:

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.1071	1.275	PASS
	MCH	6	0	1.1064	1.286	PASS
	HCH	6	0	1.1061	1.273	PASS
16QAM	LCH	6	0	1.1102	1.290	PASS
	MCH	6	0	1.1102	1.286	PASS
	HCH	6	0	1.1104	1.297	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6867	2.847	PASS
	MCH	15	0	2.6904	2.864	PASS
	HCH	15	0	2.6881	2.857	PASS
16QAM	LCH	15	0	2.6880	2.857	PASS
	MCH	15	0	2.6945	2.861	PASS
	HCH	15	0	2.6887	2.865	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4772	4.874	PASS
	MCH	25	0	4.4785	4.876	PASS
	HCH	25	0	4.4742	4.860	PASS
16QAM	LCH	25	0	4.4781	4.761	PASS
	MCH	25	0	4.4758	4.891	PASS
	HCH	25	0	4.4820	4.837	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9465	9.470	PASS
	MCH	50	0	8.9443	9.508	PASS
	HCH	50	0	8.9246	9.482	PASS
16QAM	LCH	50	0	8.9450	9.549	PASS
	MCH	50	0	8.9317	9.458	PASS
	HCH	50	0	8.9384	9.403	PASS

LTE Band 13:

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4765	4.895	PASS
	MCH	25	0	4.4825	4.901	PASS
	HCH	25	0	4.4758	4.865	PASS
16QAM	LCH	25	0	4.4790	4.824	PASS
	MCH	25	0	4.4834	4.888	PASS
	HCH	25	0	4.4764	4.793	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	---	50	0	8.9250	9.433	PASS
16QAM	---	50	0	8.9431	9.485	PASS

LTE Band 17:

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4754	4.926	PASS
	MCH	25	0	4.4746	4.907	PASS
	HCH	25	0	4.4737	4.867	PASS
16QAM	LCH	25	0	4.4857	4.858	PASS
	MCH	25	0	4.4819	4.835	PASS
	HCH	25	0	4.4745	4.771	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9370	9.473	PASS
	MCH	50	0	8.9305	9.450	PASS
	HCH	50	0	8.9331	9.420	PASS
16QAM	LCH	50	0	8.9267	9.437	PASS
	MCH	50	0	8.9255	9.482	PASS
	HCH	50	0	8.9199	9.455	PASS

TE Band 38:

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4804	4.871	PASS
	MCH	25	0	4.4757	4.776	PASS
	HCH	25	0	4.4758	4.882	PASS
16QAM	LCH	25	0	4.4652	4.840	PASS
	MCH	25	0	4.4760	4.892	PASS
	HCH	25	0	4.4664	4.801	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9446	9.402	PASS
	MCH	50	0	8.9284	9.465	PASS
	HCH	50	0	8.9278	9.450	PASS
16QAM	LCH	50	0	8.9171	9.405	PASS
	MCH	50	0	8.9326	9.429	PASS
	HCH	50	0	8.9355	9.427	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.409	14.08	PASS
	MCH	75	0	13.390	14.08	PASS
	HCH	75	0	13.399	14.06	PASS
16QAM	LCH	75	0	13.408	14.09	PASS
	MCH	75	0	13.390	14.04	PASS
	HCH	75	0	13.399	14.01	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.873	18.58	PASS
	MCH	100	0	17.864	18.61	PASS
	HCH	100	0	17.861	18.61	PASS
16QAM	LCH	100	0	17.844	18.66	PASS
	MCH	100	0	17.846	18.58	PASS
	HCH	100	0	17.852	18.64	PASS

TE Band 41:

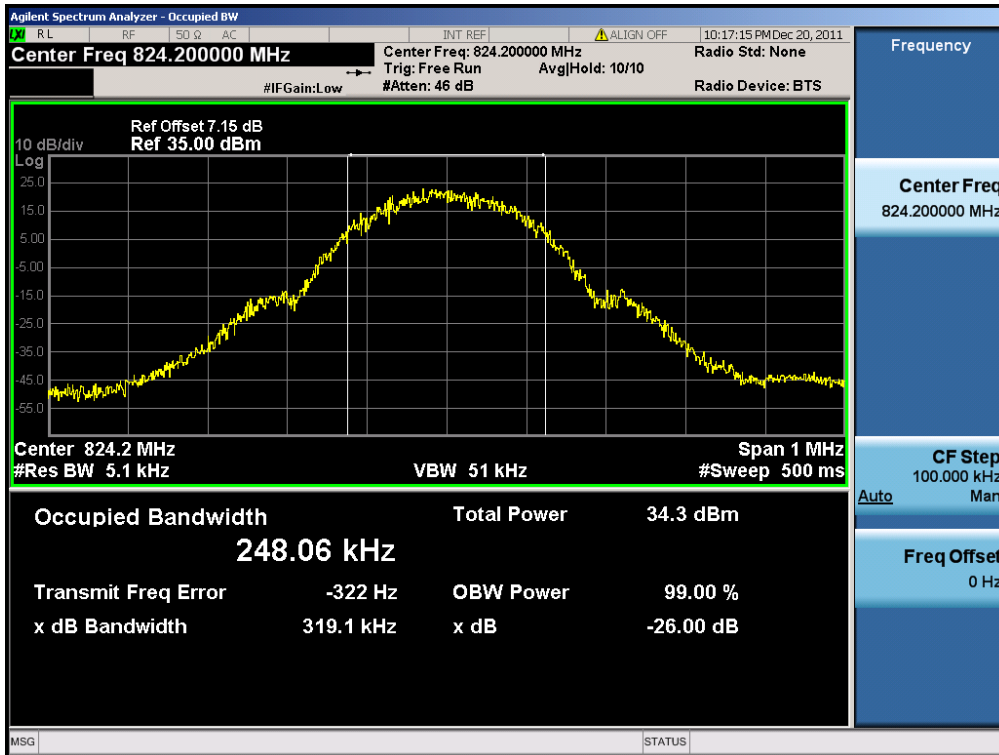
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4885	4.767	PASS
	MCH	25	0	4.4762	4.867	PASS
	HCH	25	0	4.4778	4.786	PASS
16QAM	LCH	25	0	4.4625	4.788	PASS
	MCH	25	0	4.4688	4.843	PASS
	HCH	25	0	4.4776	4.859	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9337	9.448	PASS
	MCH	50	0	8.9378	9.380	PASS
	HCH	50	0	8.9283	9.430	PASS
16QAM	LCH	50	0	8.9314	9.342	PASS
	MCH	50	0	8.9371	9.385	PASS
	HCH	50	0	8.9332	9.380	PASS

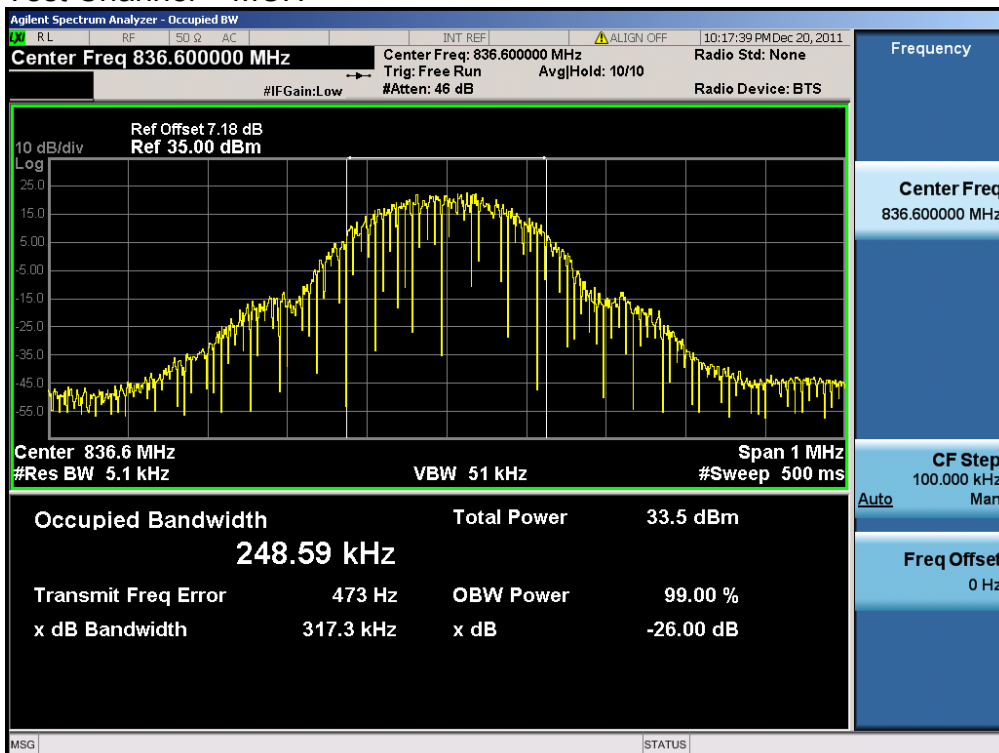
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.387	13.98	PASS
	MCH	75	0	13.390	14.00	PASS
	HCH	75	0	13.399	14.02	PASS
16QAM	LCH	75	0	13.404	14.05	PASS
	MCH	75	0	13.393	13.98	PASS
	HCH	75	0	13.388	14.10	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.873	18.57	PASS
	MCH	100	0	17.849	18.58	PASS
	HCH	100	0	17.847	18.63	PASS
16QAM	LCH	100	0	17.858	18.60	PASS
	MCH	100	0	17.856	18.60	PASS
	HCH	100	0	17.846	18.57	PASS

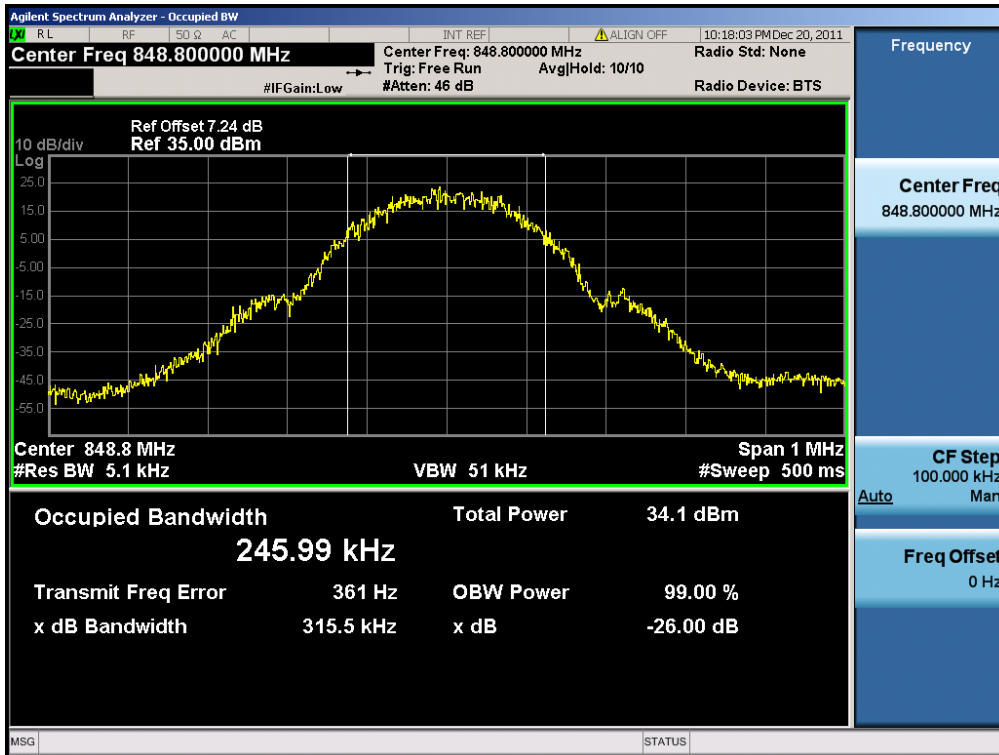
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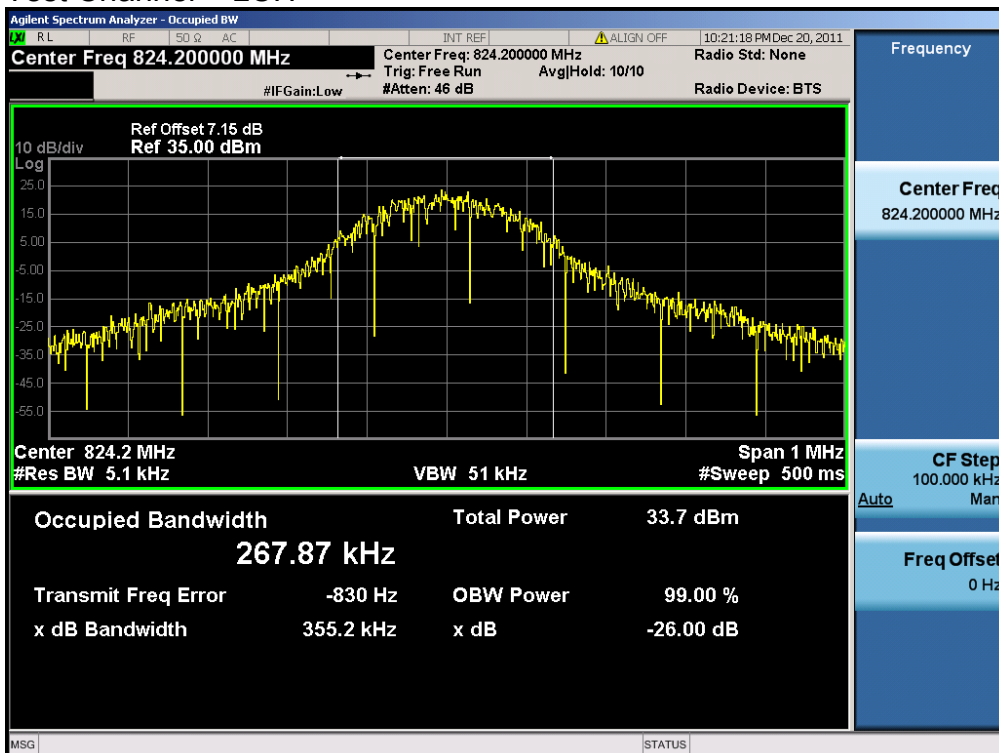
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 Test Channel = MCH



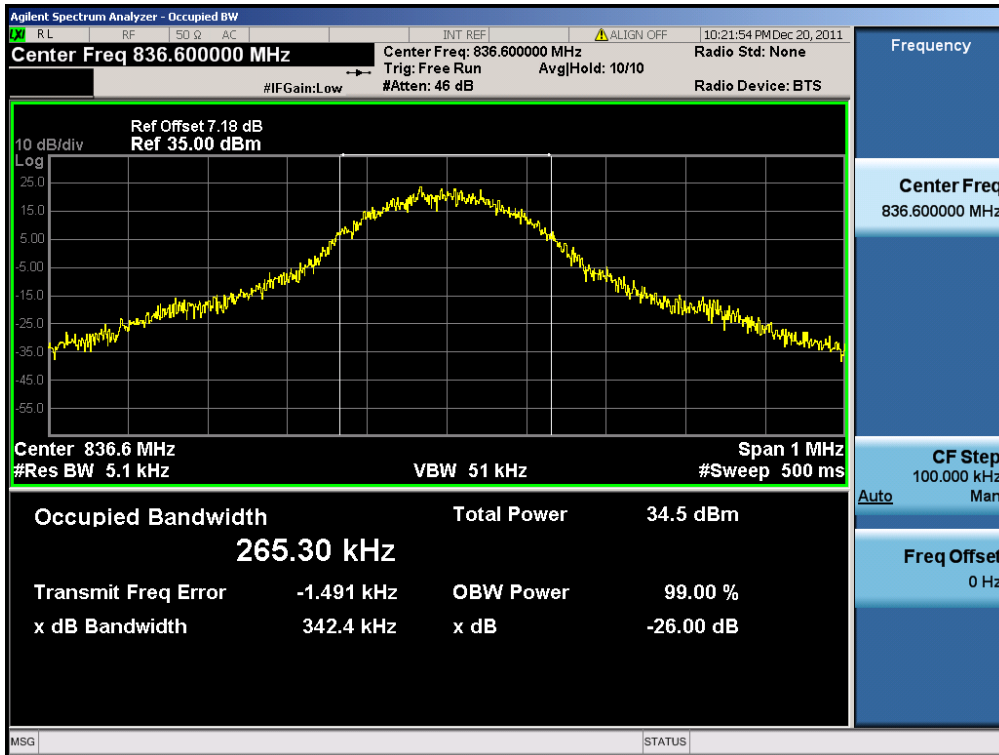
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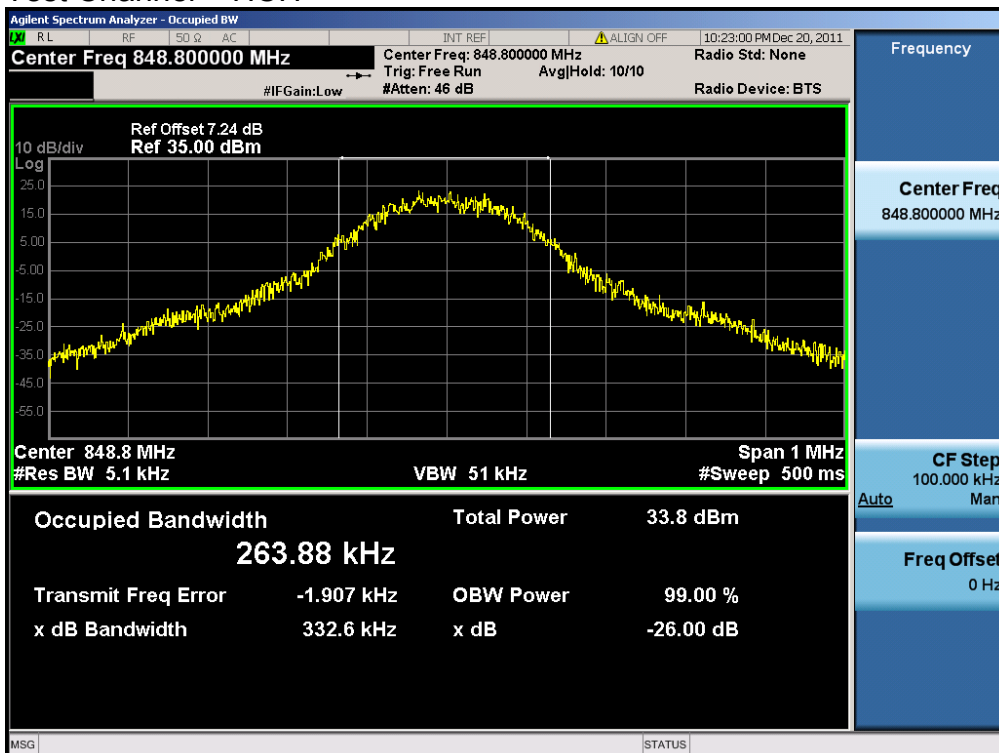
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 Test Mode = EDGE/TM2
 Test Channel = LCH



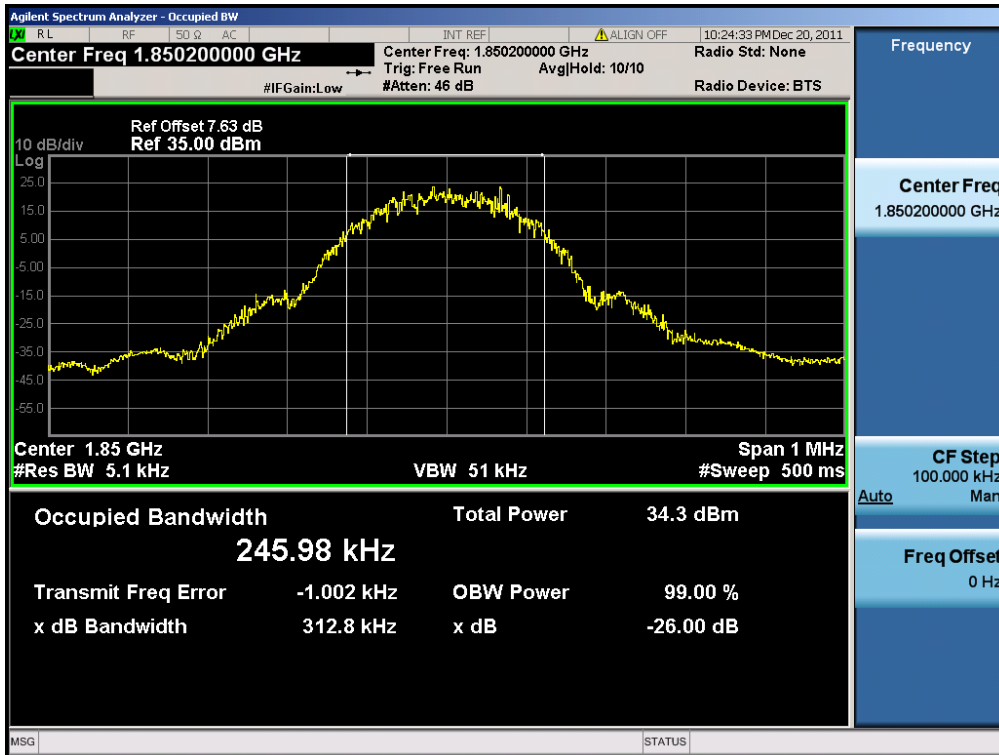
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 Test Mode = EDGE/TM2
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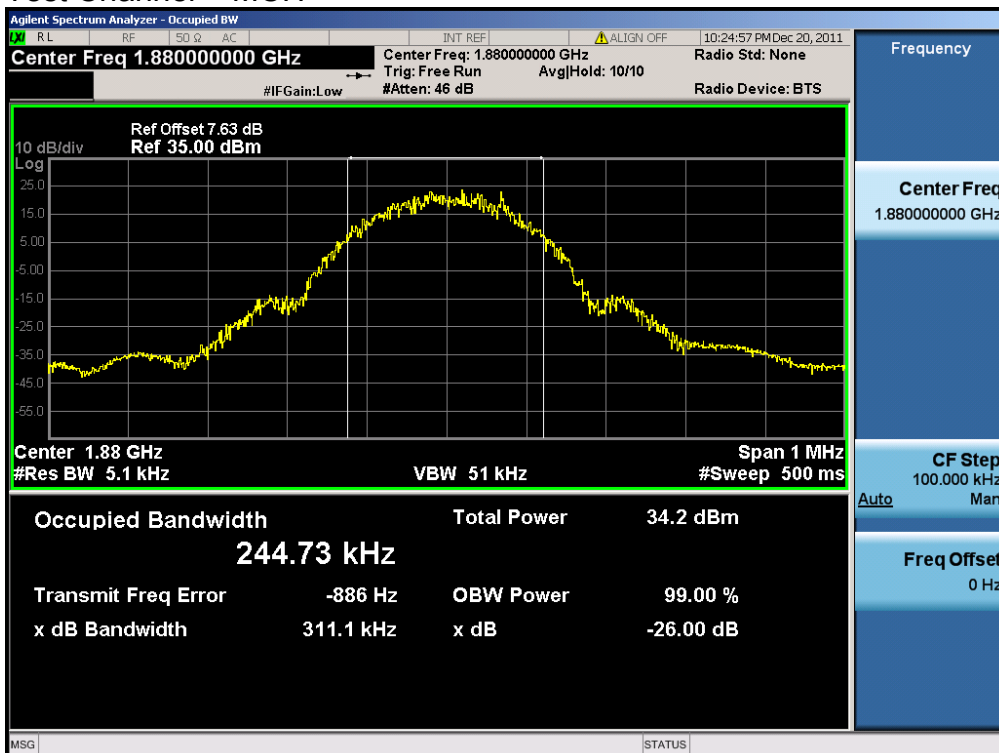
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 Test Mode = EDGE/TM2
 Test Channel = HCH



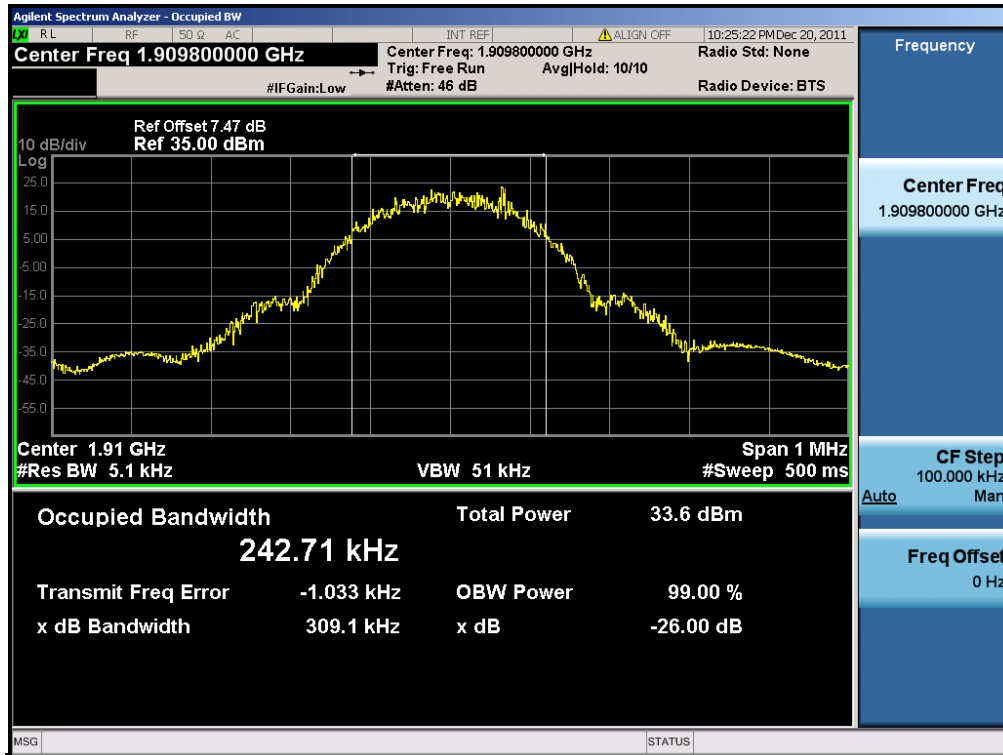
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 Test Channel = LCH



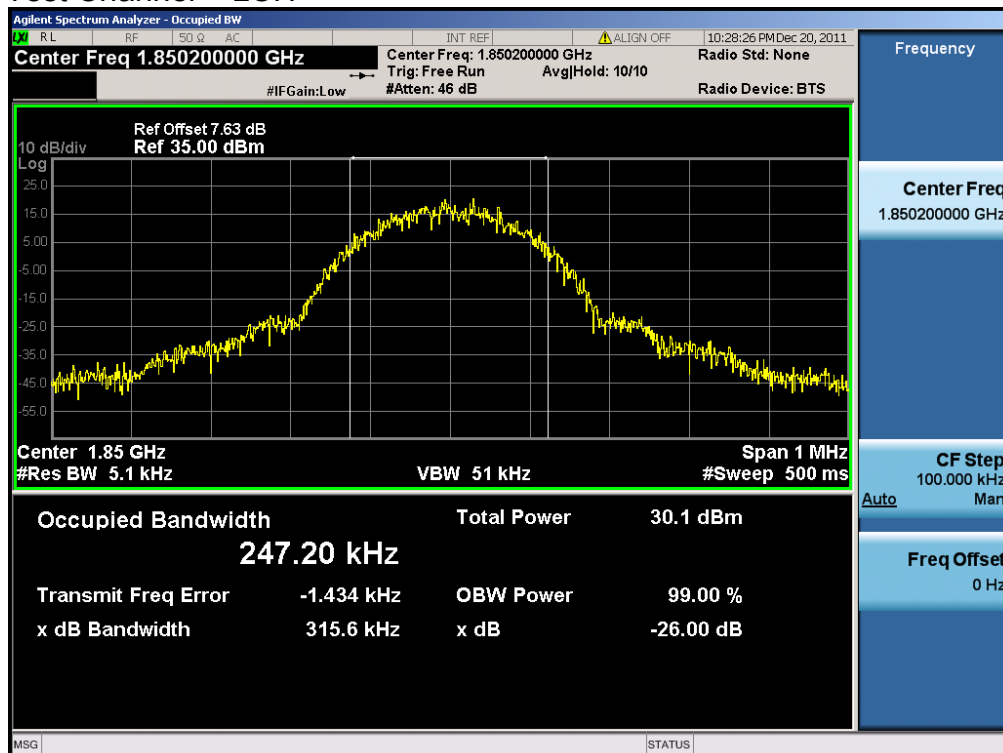
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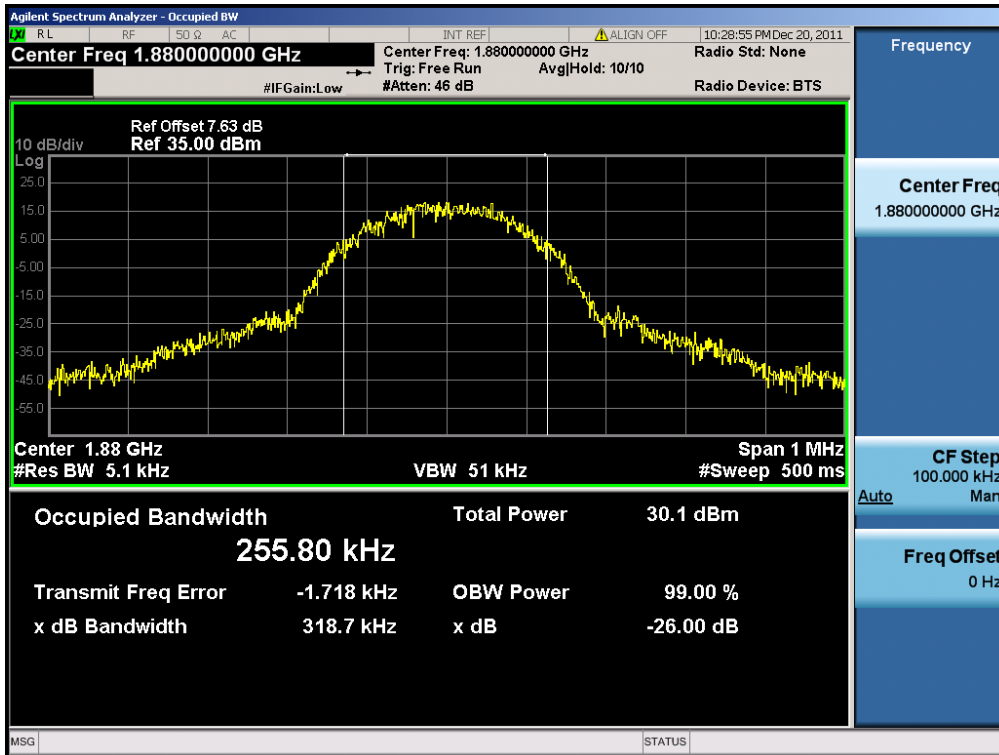
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 Test Mode = GSM/TM1
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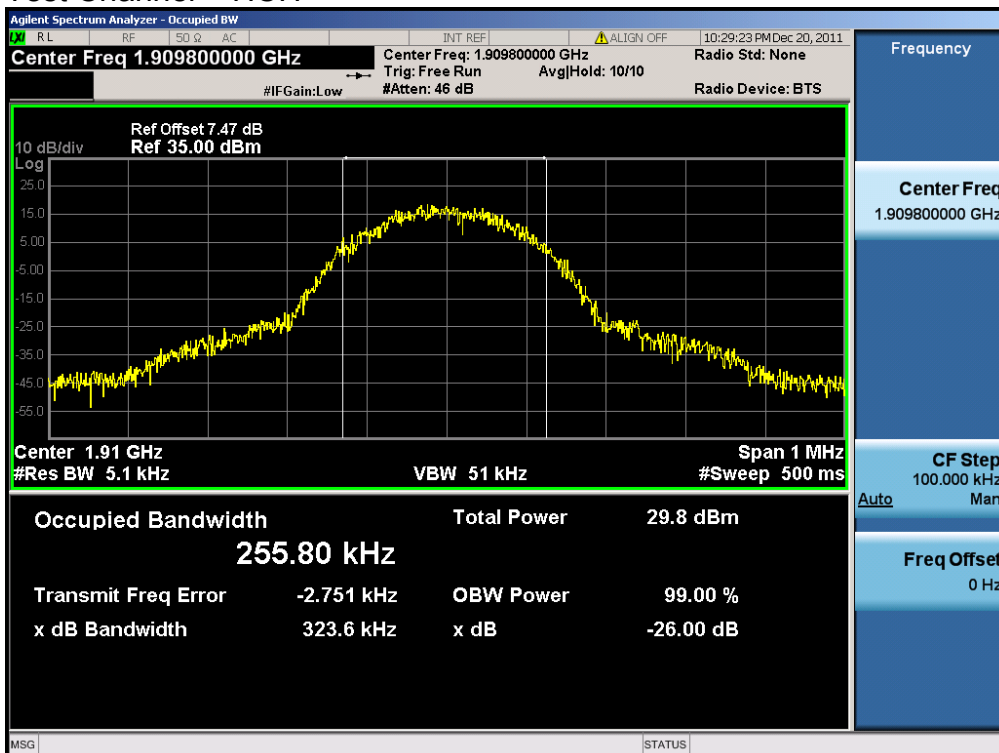
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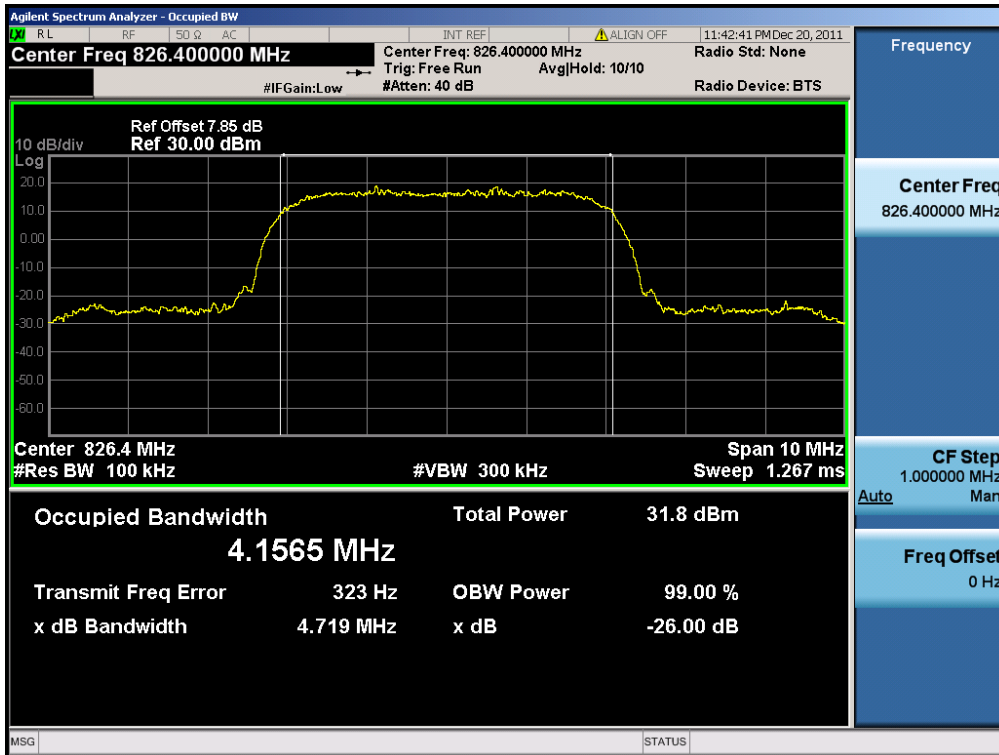
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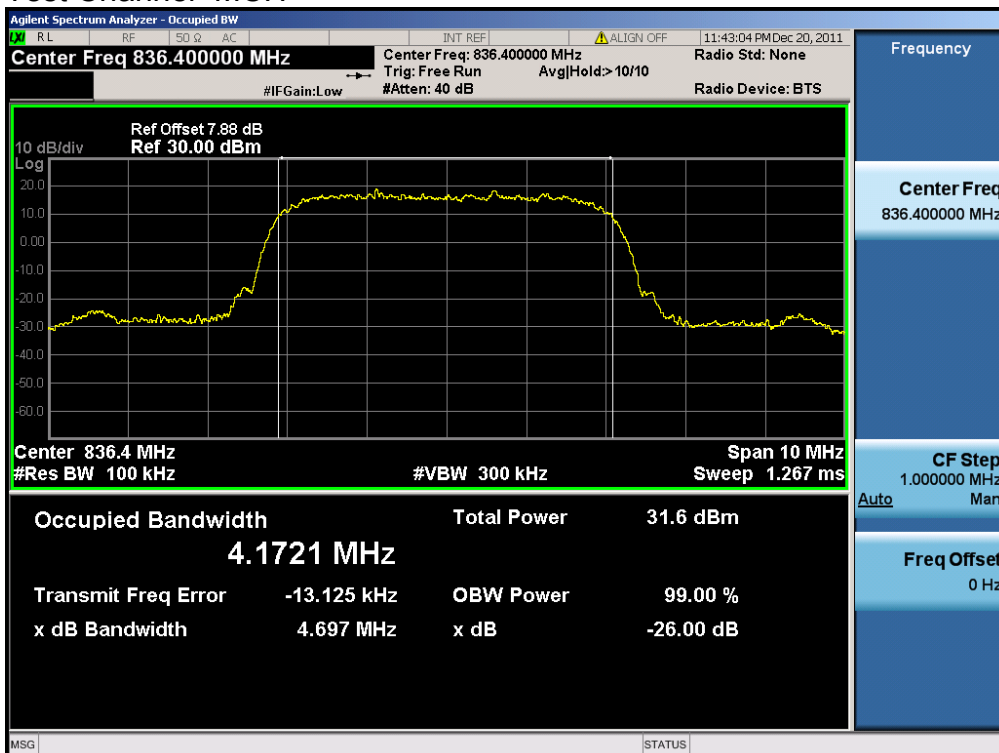
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 Test Mode = EDGE /TM2
 Test Channel = HCH



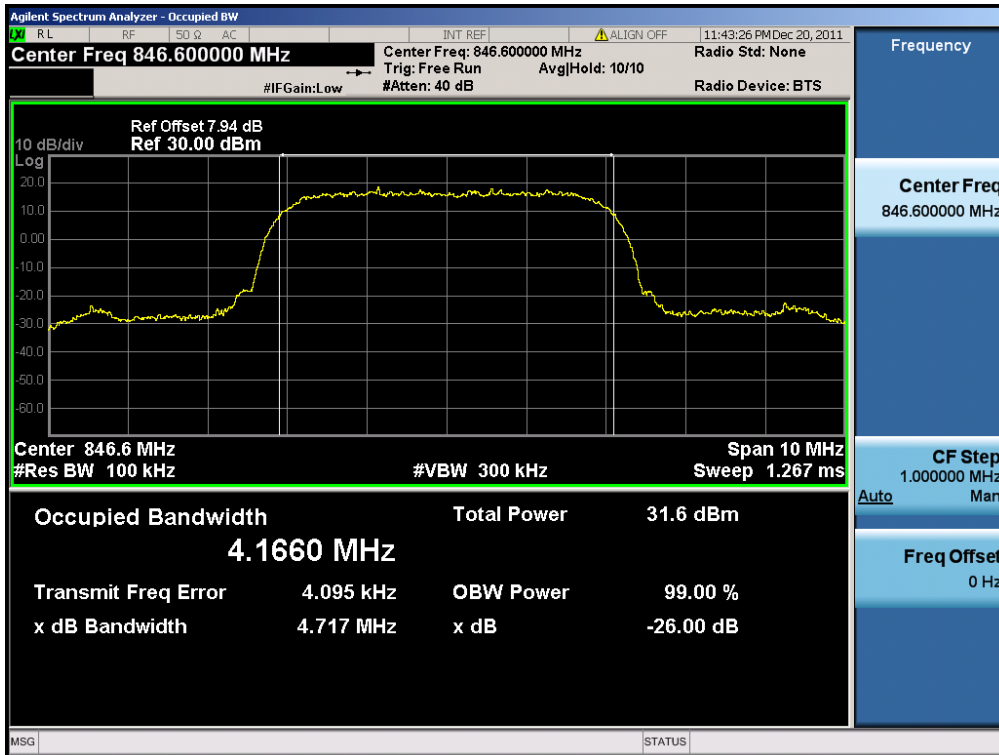
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 Test Channel=LCH



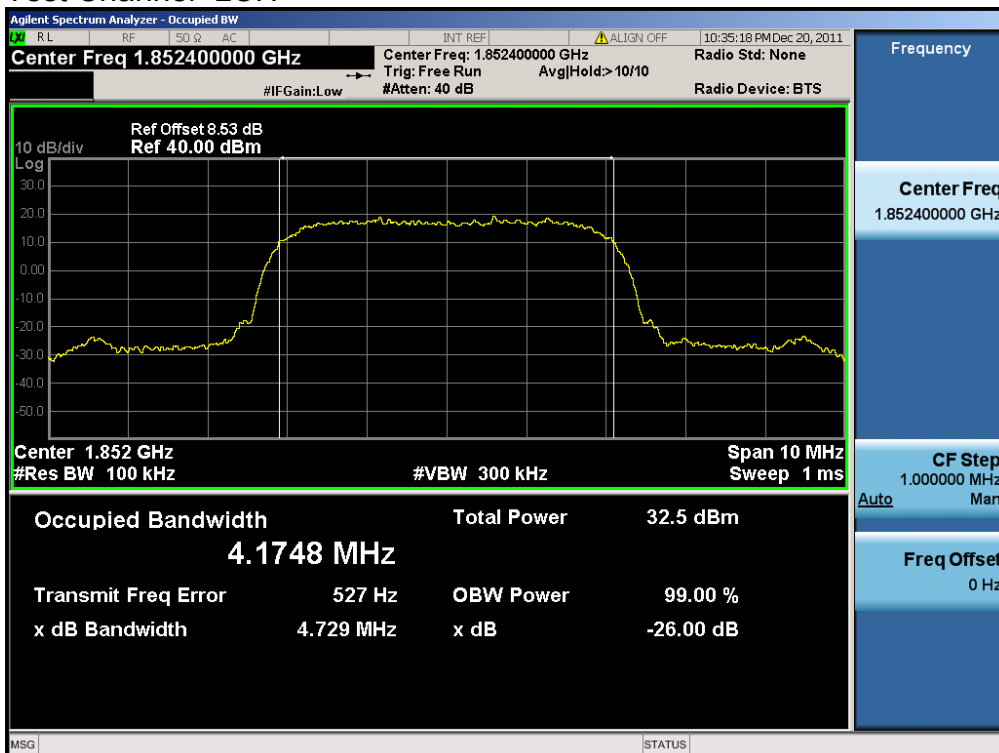
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 Test Channel=MCH



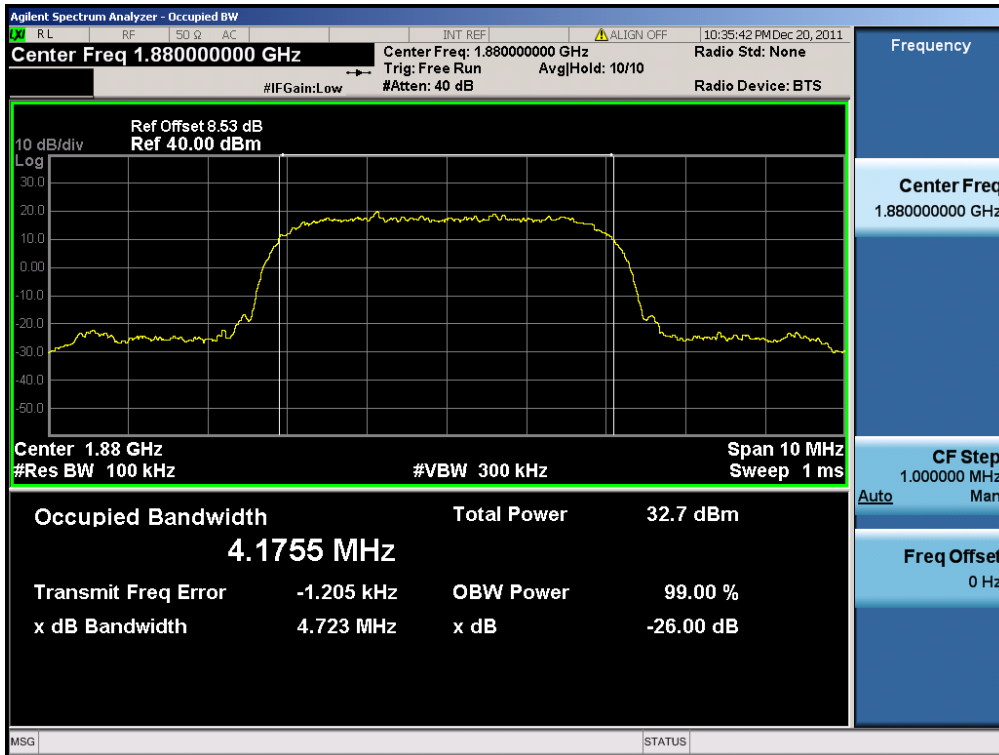
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 Test Mode=UMTS/TM3
 Test Channel=HCH



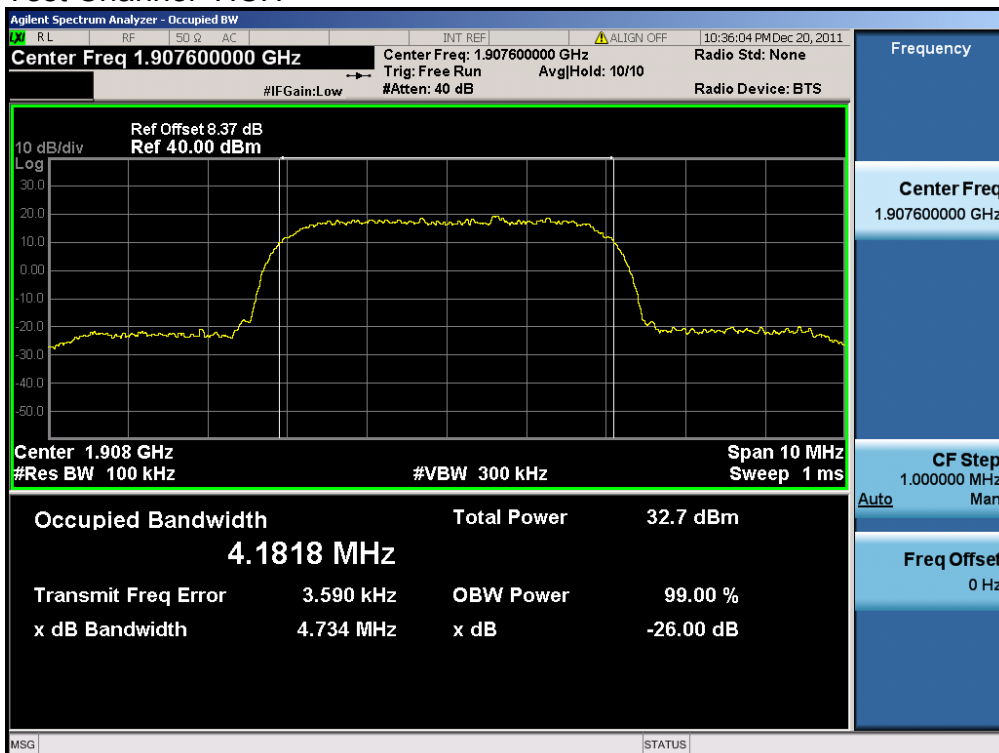
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 Test Mode=UMTS/TM3
 Test Channel=LCH



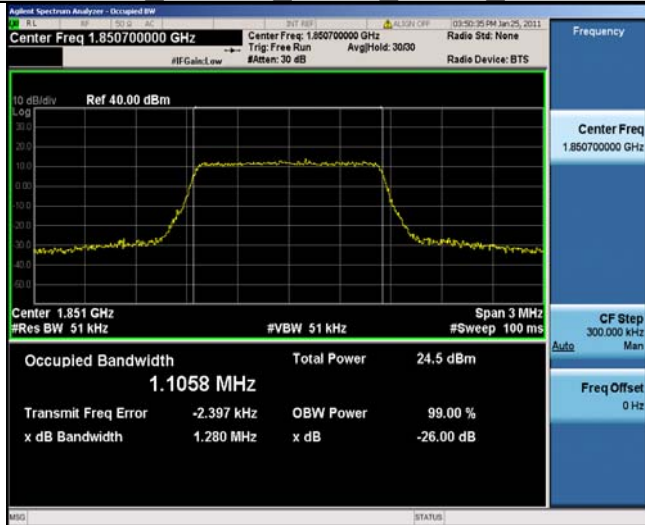
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 Test Mode=UMTS/TM3
 Test Channel=MCH



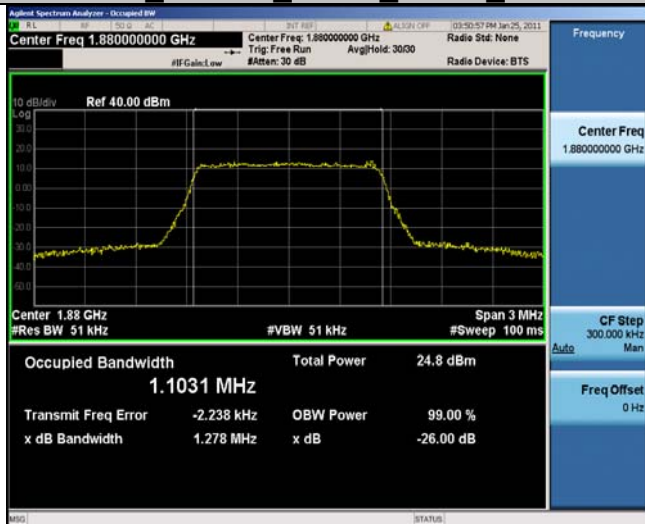
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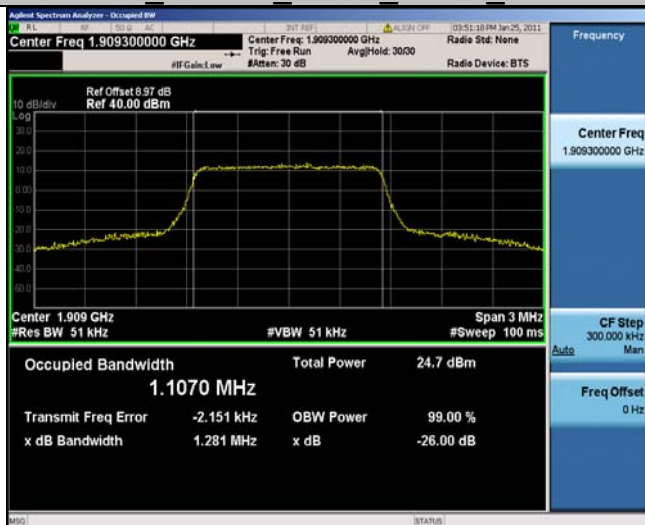
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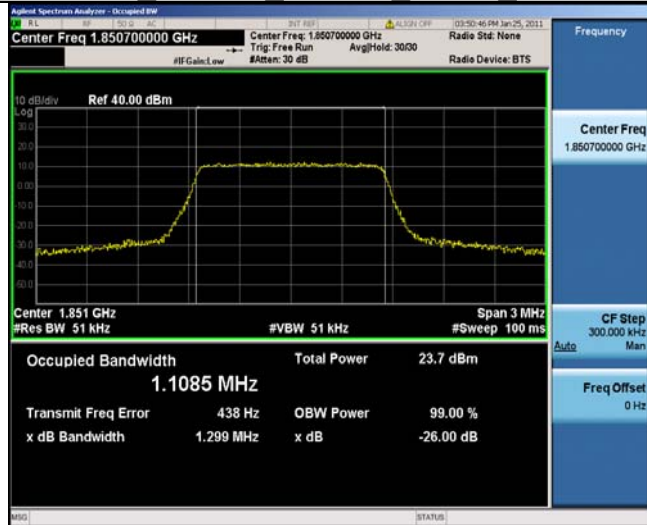
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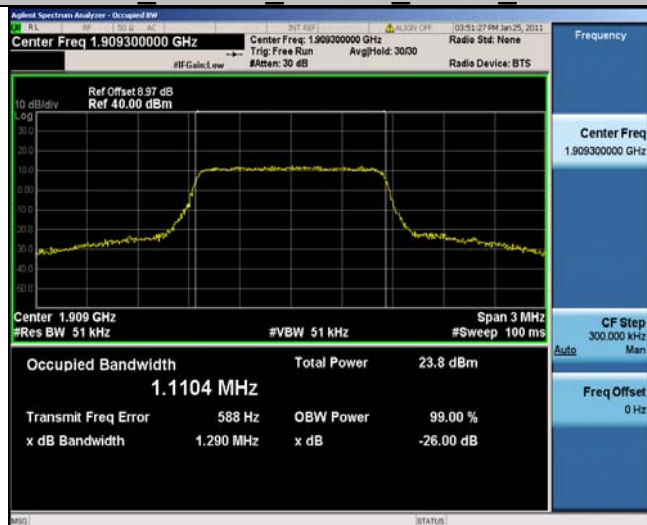
Band2 1.4MHz 16QAM 18607 6RB#0



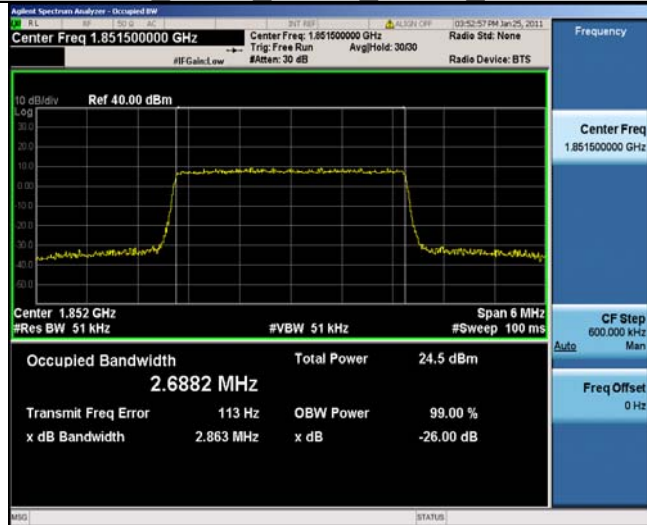
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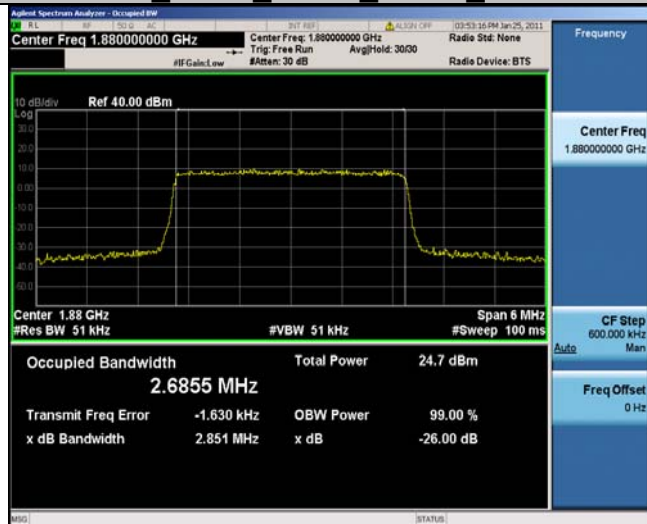
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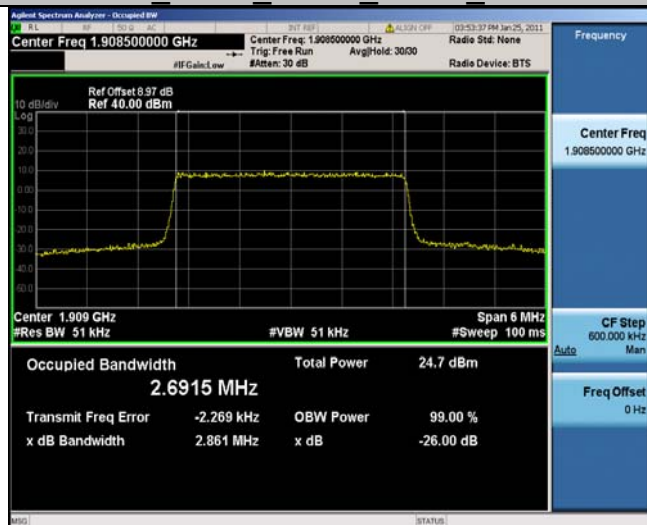
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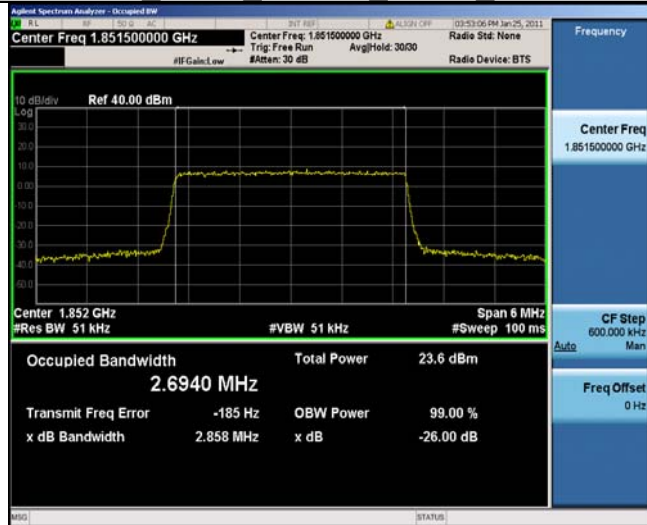
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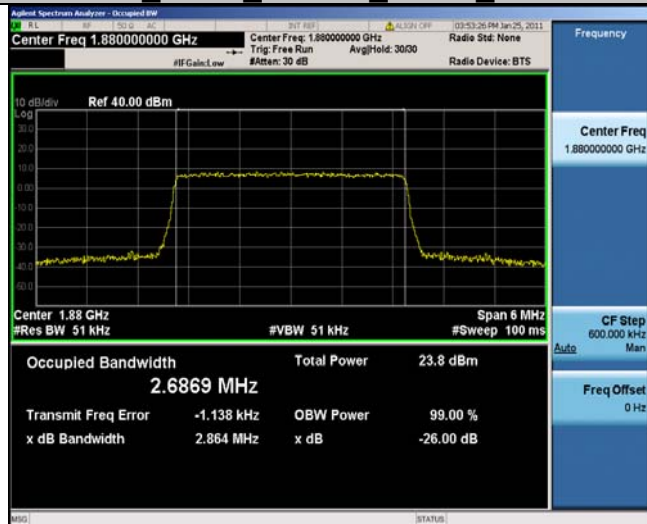
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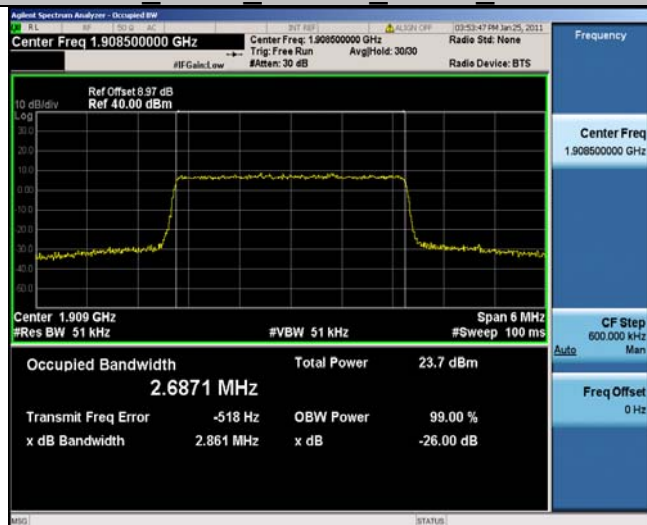
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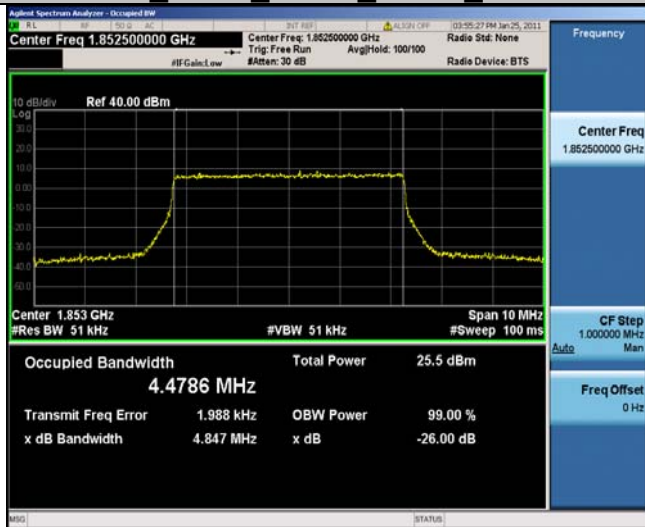
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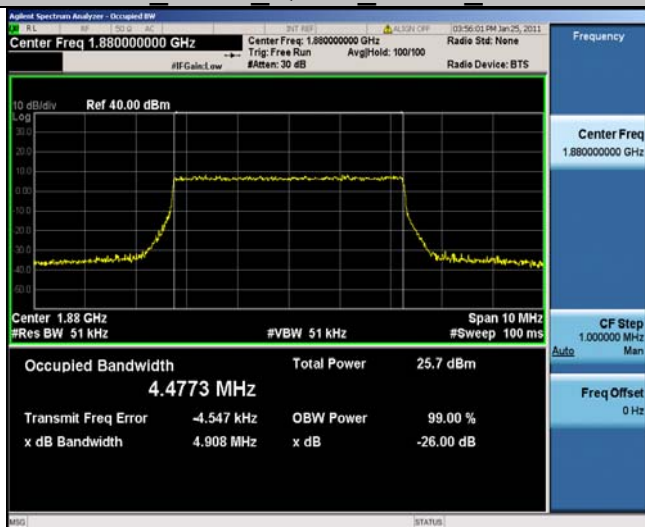
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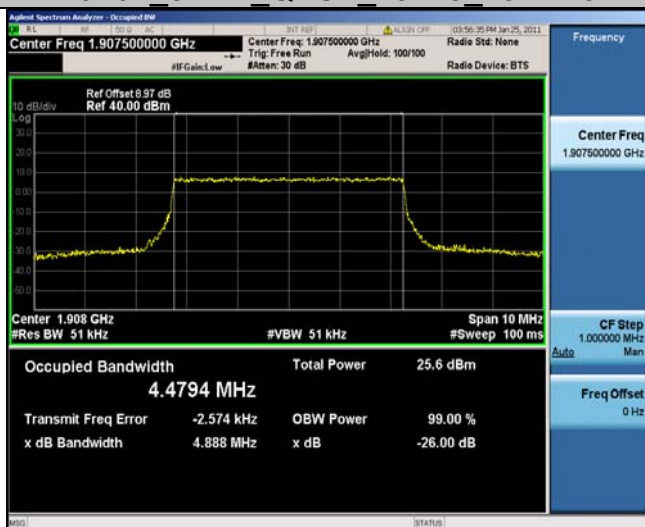
Band2_5MHz_QPSK_18625_25RB#0



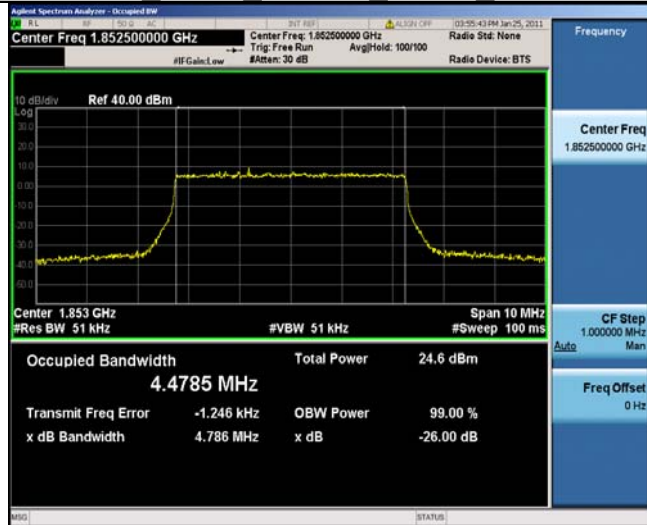
Band2_5MHz_QPSK_18900_25RB#0



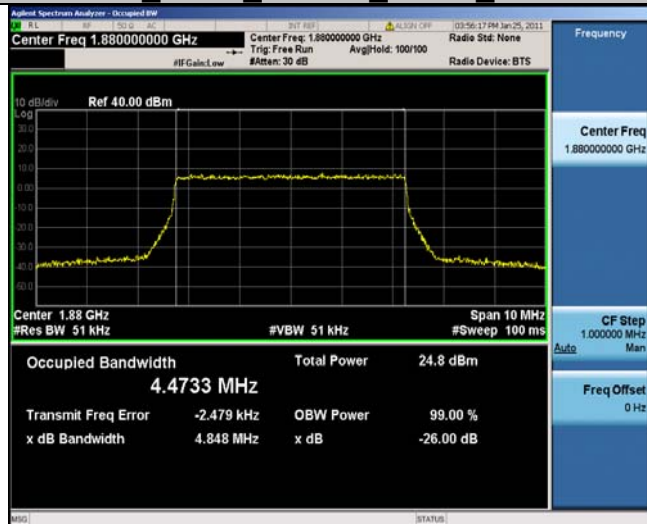
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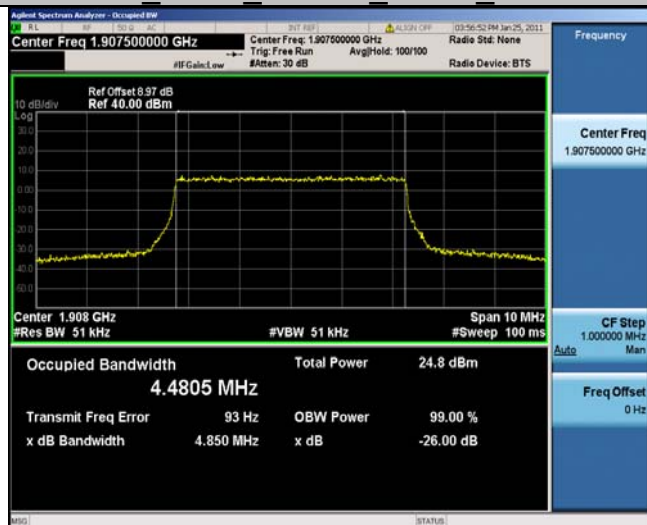
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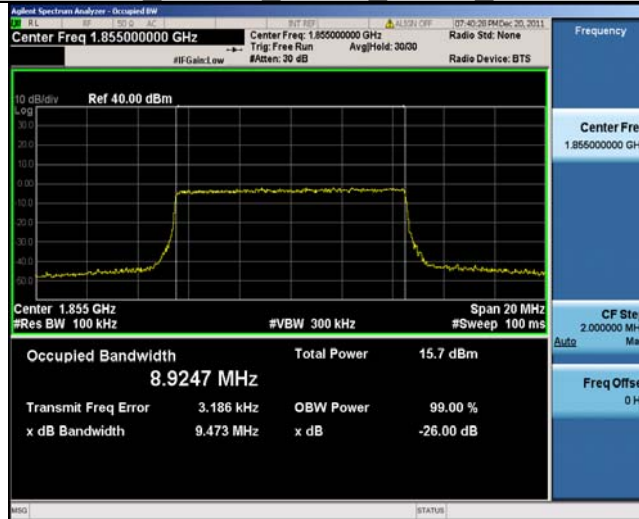
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Band2_5MHz_16QAM_19175_25RB#0



Band2_10MHz_QPSK_18650_50RB#0



Band2_10MHz_QPSK_18900_50RB#0



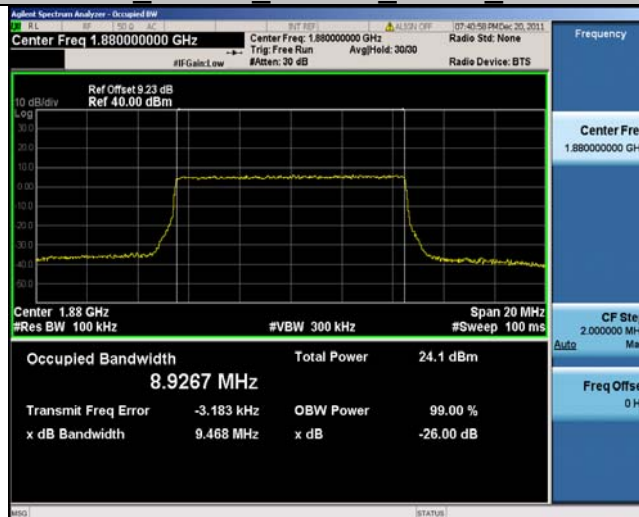
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Band2 10MHz 16QAM 18650 50RB#0



Band2 10MHz 16QAM 18900 50RB#0



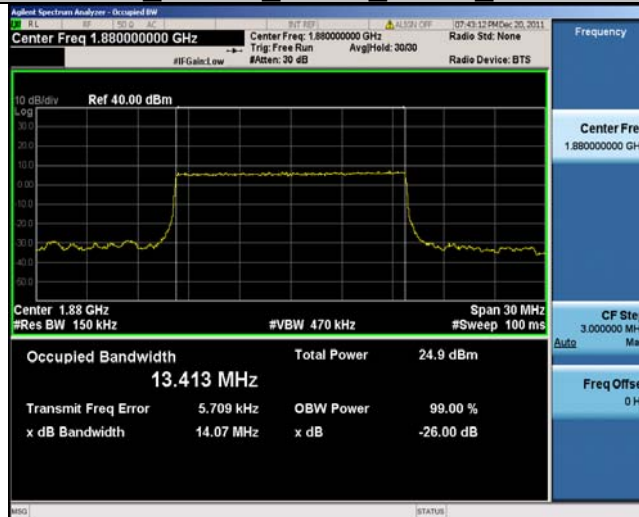
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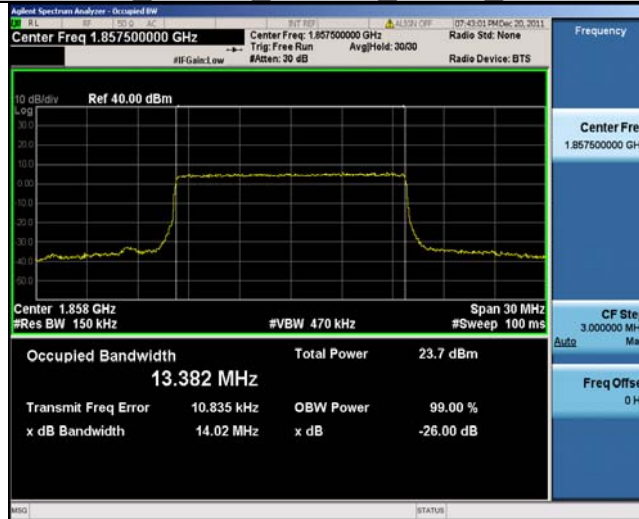
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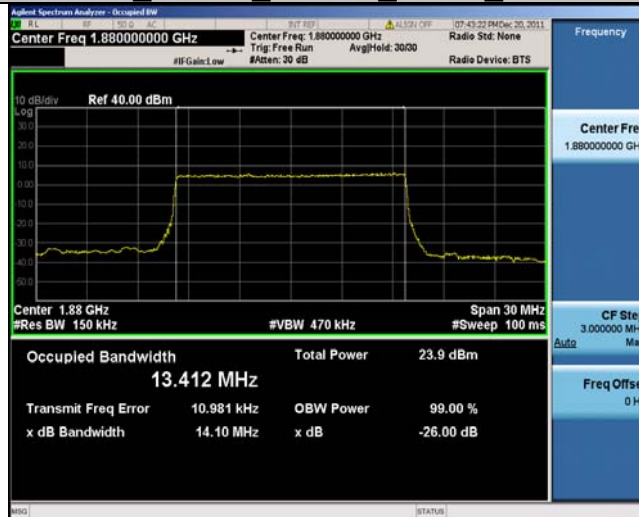
Band2_15MHz_QPSK_19125_75RB#0



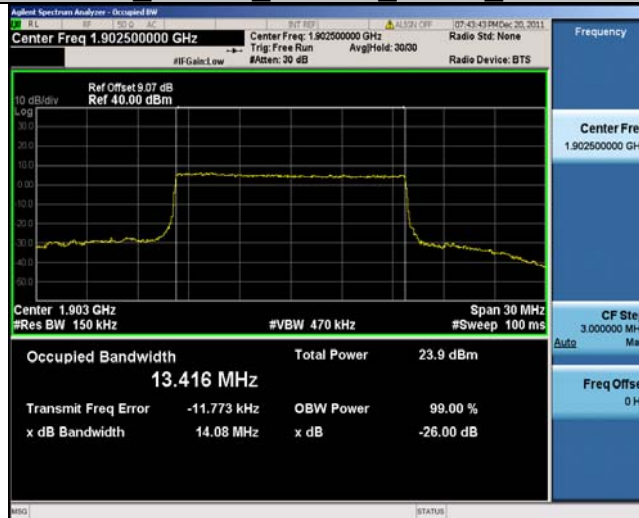
Band2 15MHz 16QAM 18675 75RB#0



Band2 15MHz 16QAM 18900 75RB#0



Band2 15MHz 16QAM 19125 75RB#0



Band2 20MHz QPSK 18700 100RB#0



Band2 20MHz QPSK 18900 100RB#0



Band2 20MHz QPSK 19100 100RB#0



Band2 20MHz 16QAM 18700 100RB#0



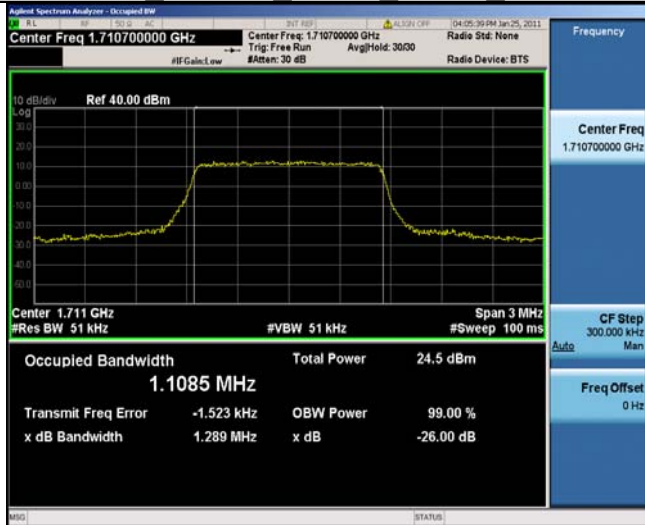
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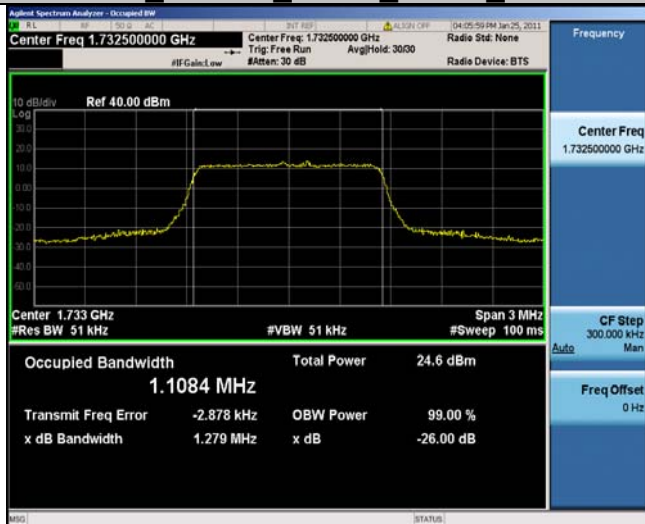
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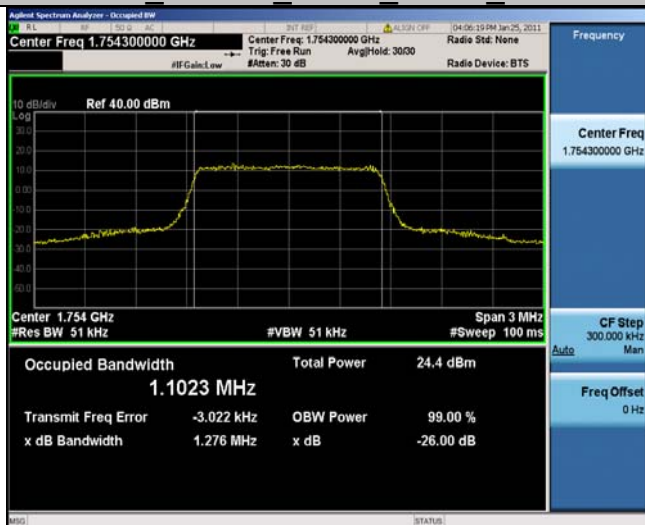
Band4_1.4MHz_QPSK_19957_6RB#0



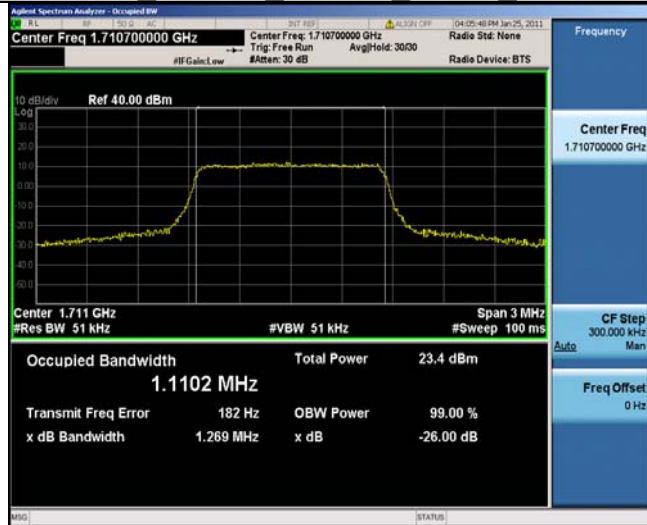
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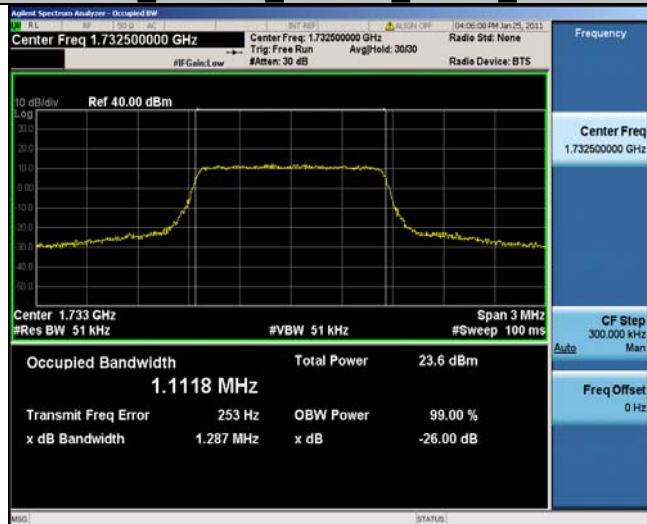
Band4_1.4MHz_QPSK_20393_6RB#0



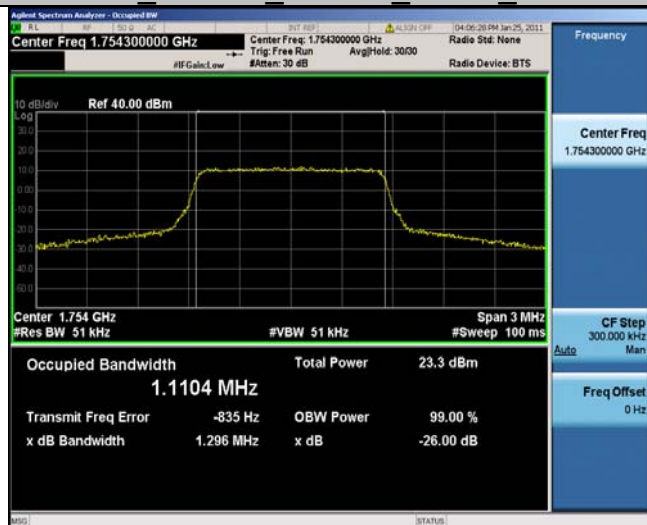
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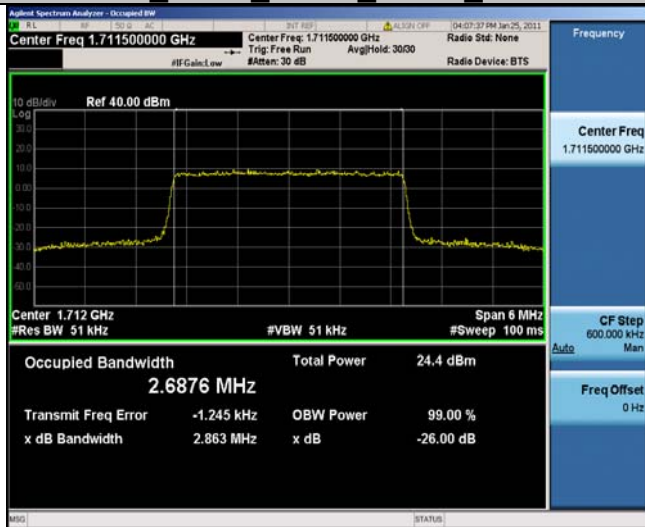
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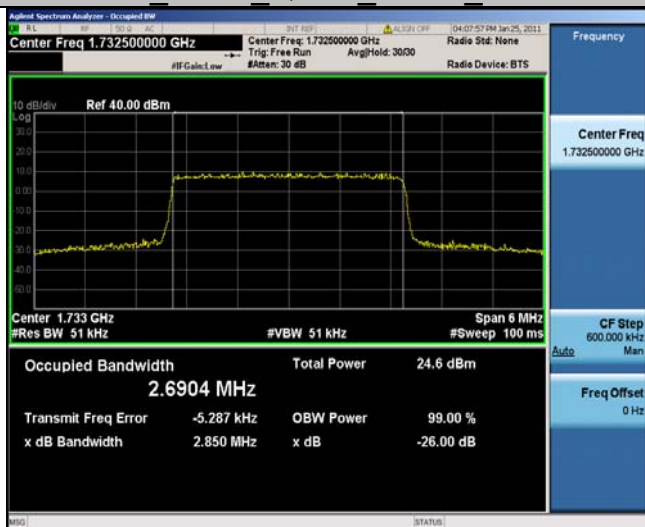
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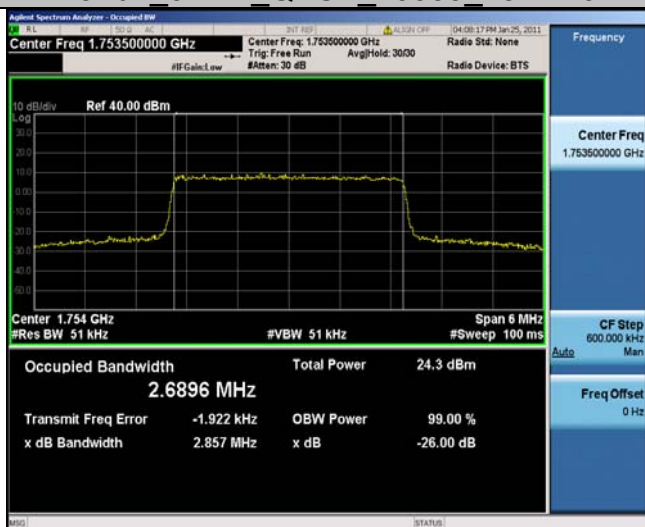
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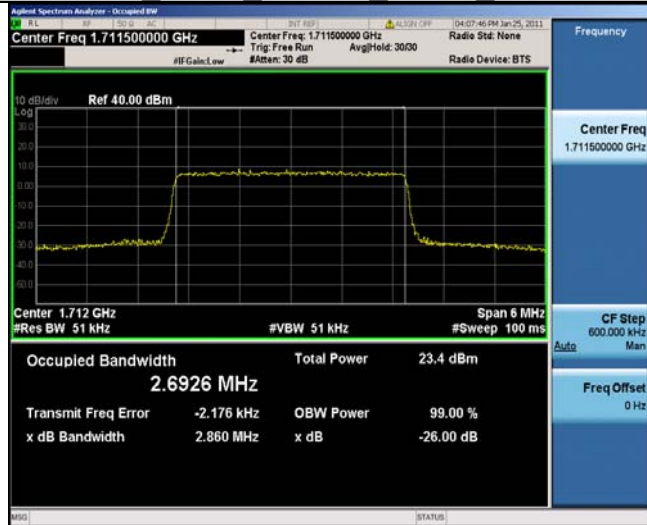
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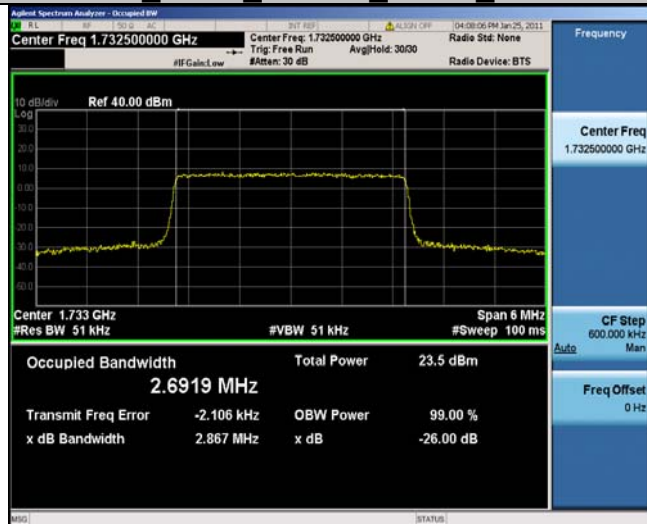
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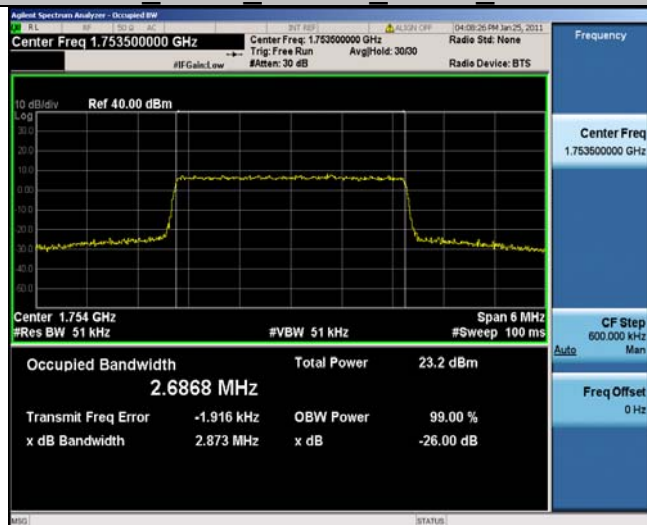
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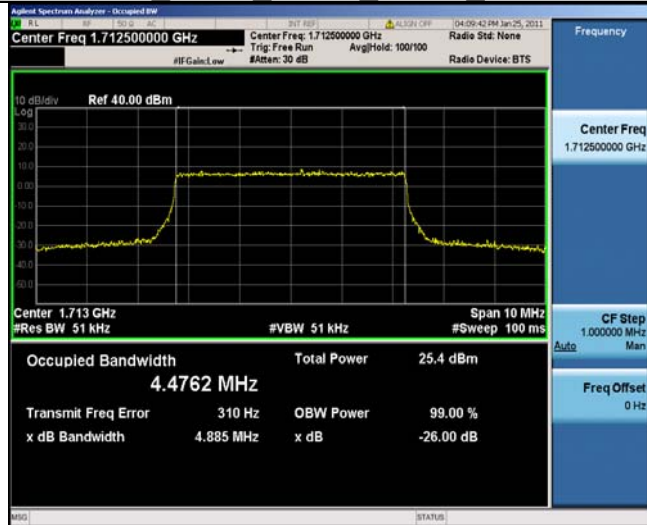
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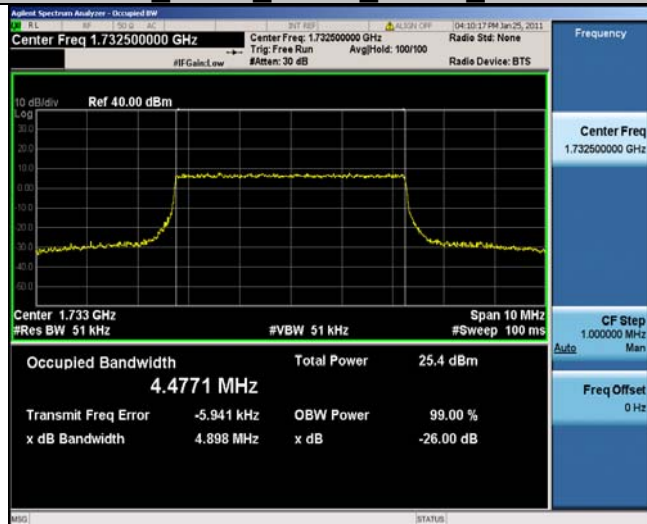
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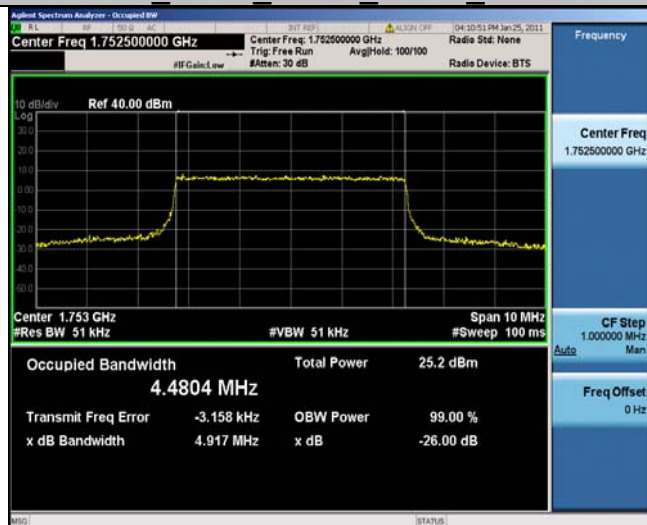
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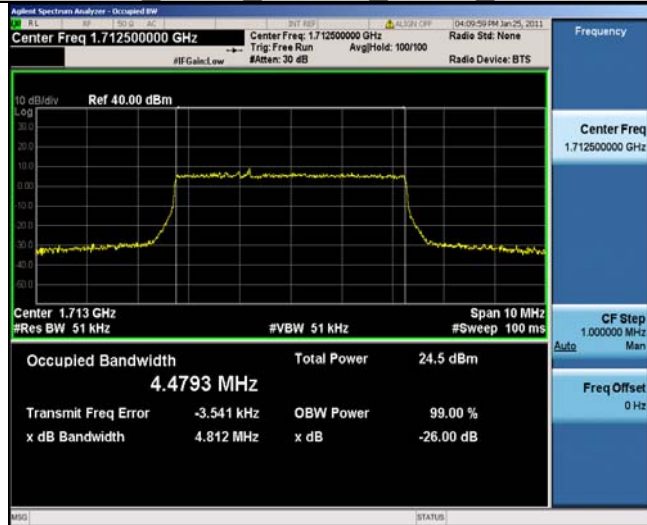
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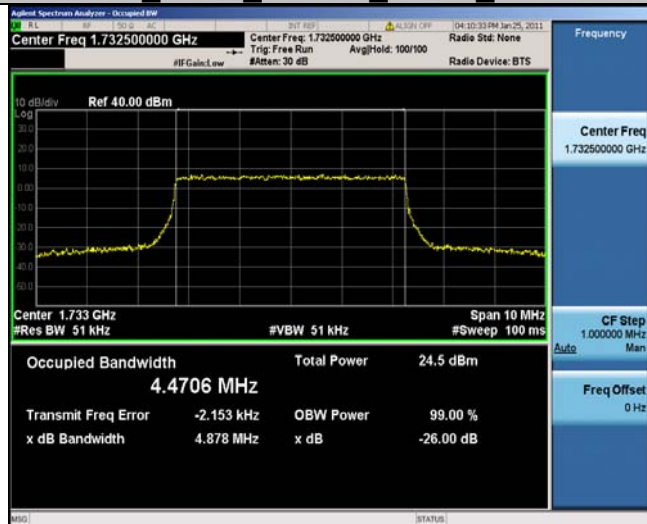
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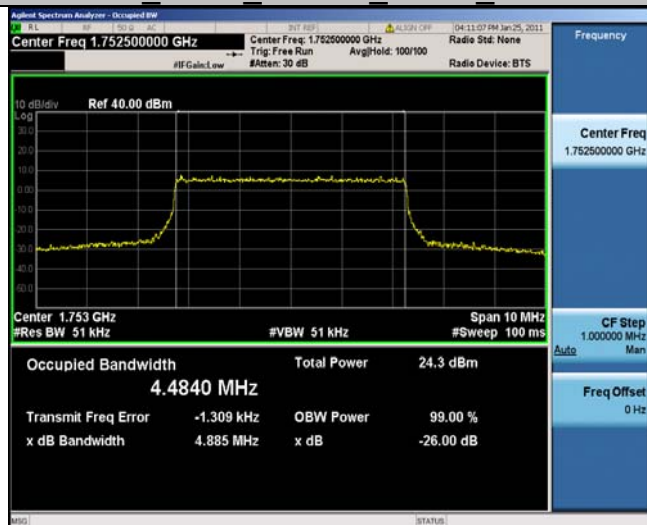
Band4_5MHz_16QAM_19975_25RB#0



Band4_5MHz_16QAM_20175_25RB#0



Band4_5MHz_16QAM_20375_25RB#0



Band4 10MHz QPSK 20000 50RB#0



Band4 10MHz QPSK 20175 50RB#0



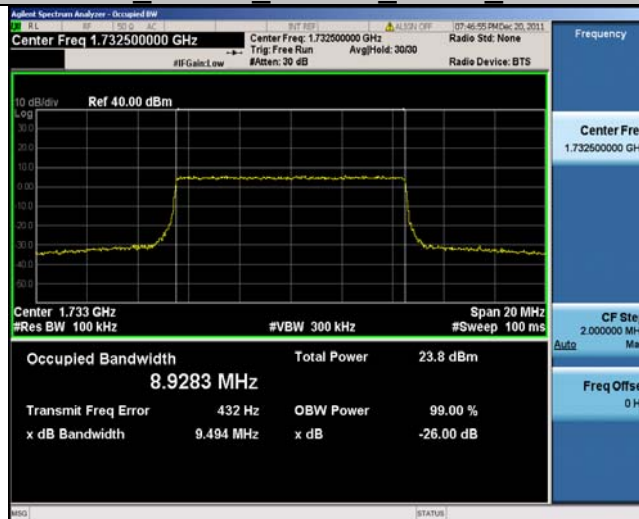
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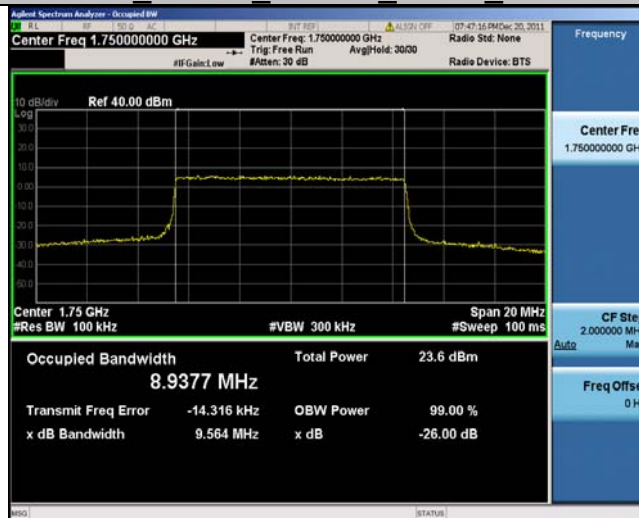
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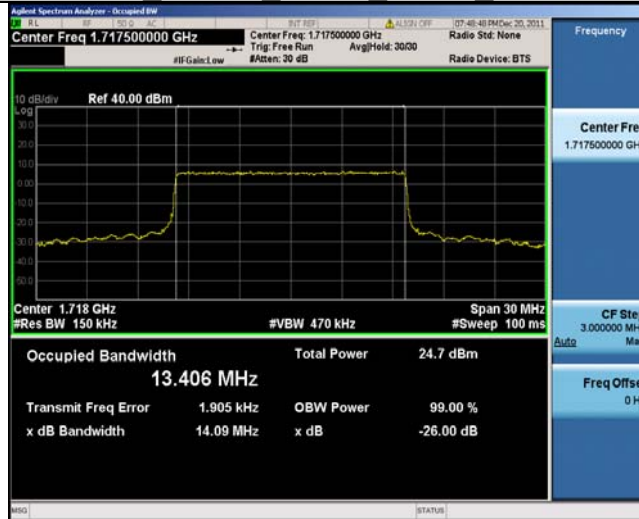
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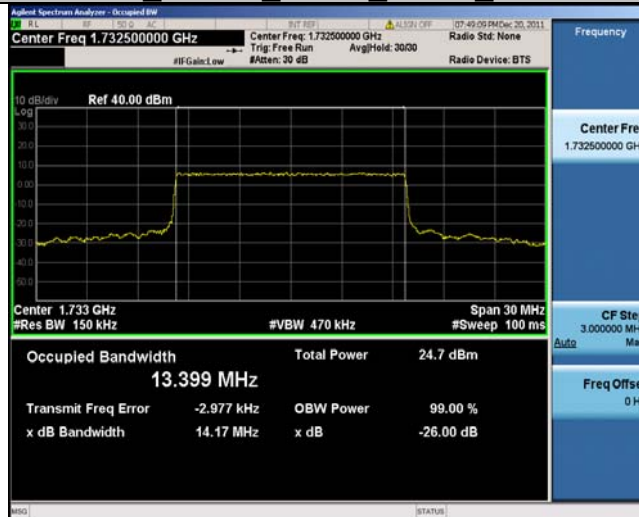
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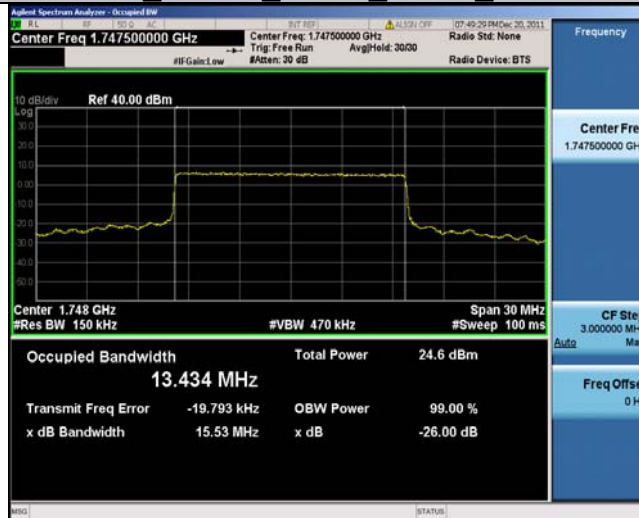
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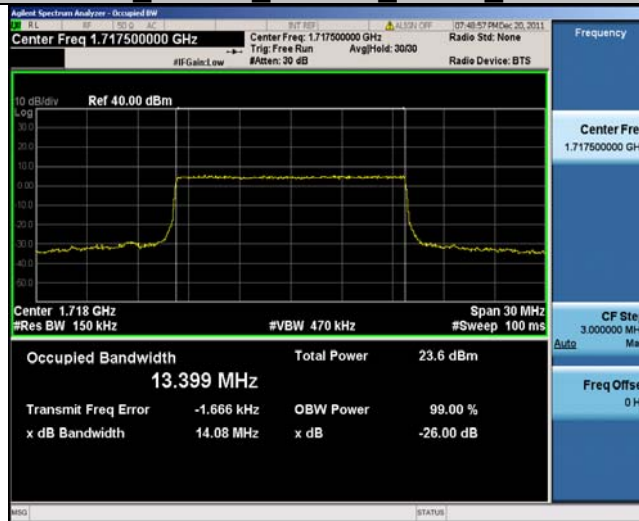
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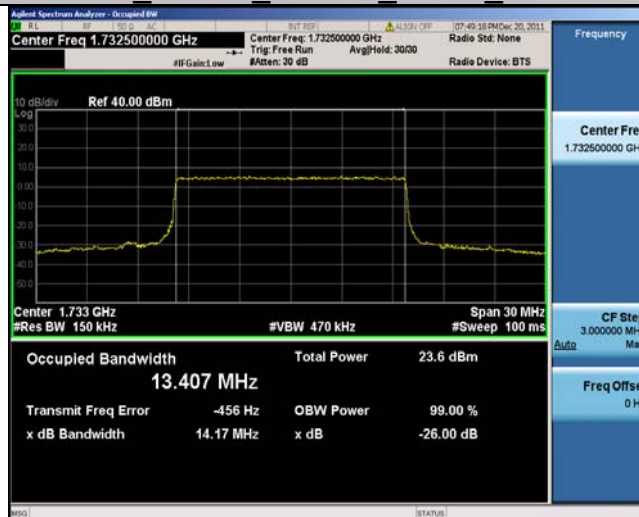
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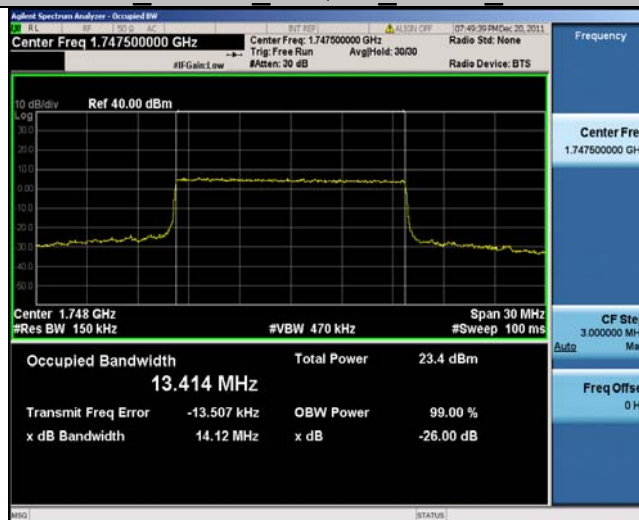
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Band4 15MHz 16QAM 20175 75RB#0



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Band4 20MHz QPSK 20300 100RB#0



Band4 20MHz 16QAM 20050 100RB#0



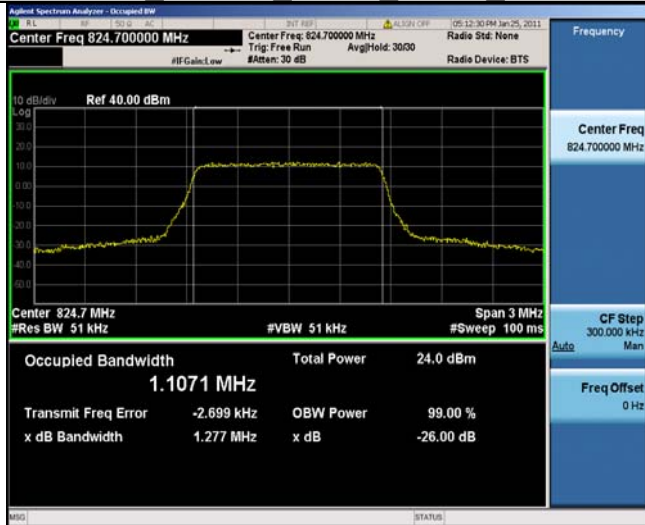
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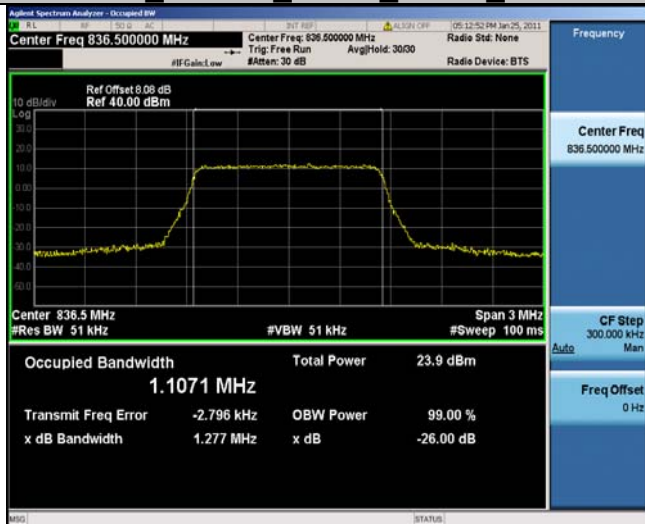
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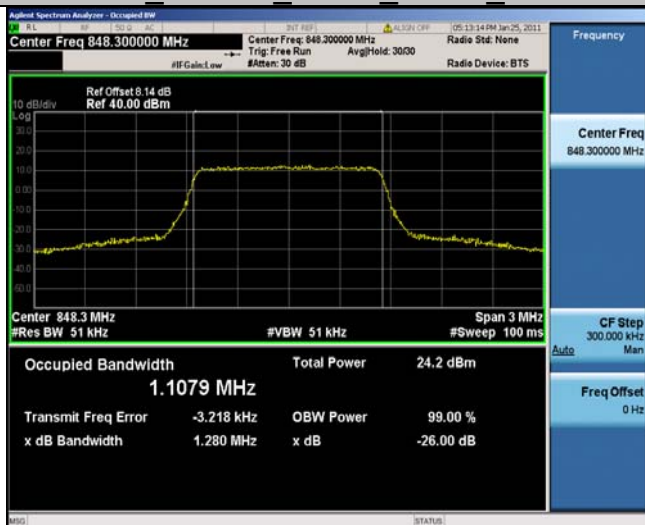
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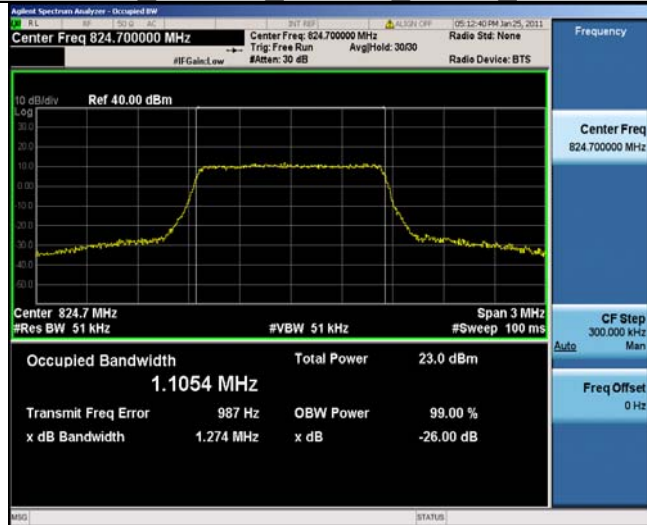
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Band5 1.4MHz QPSK 20643 6RB#0



Band5_1.4MHz_16QAM_20407_6RB#0



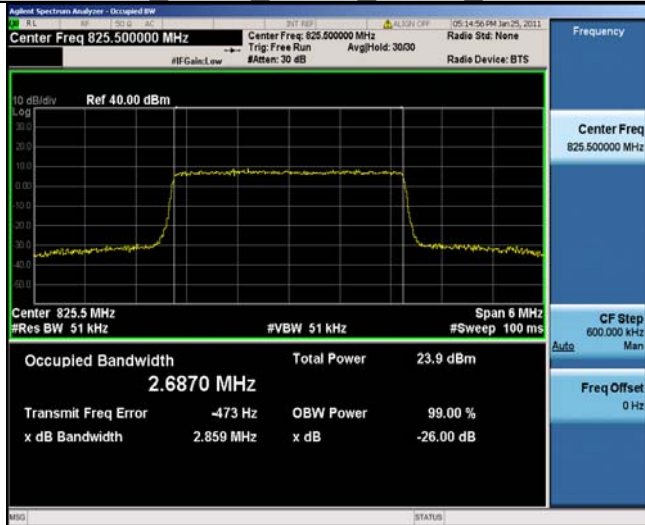
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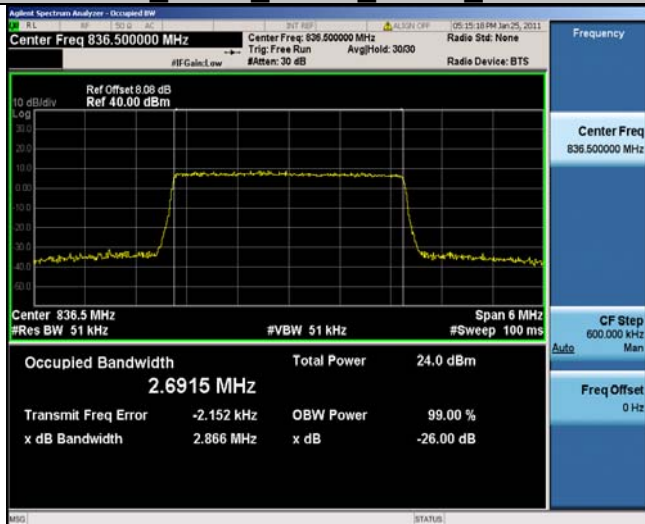
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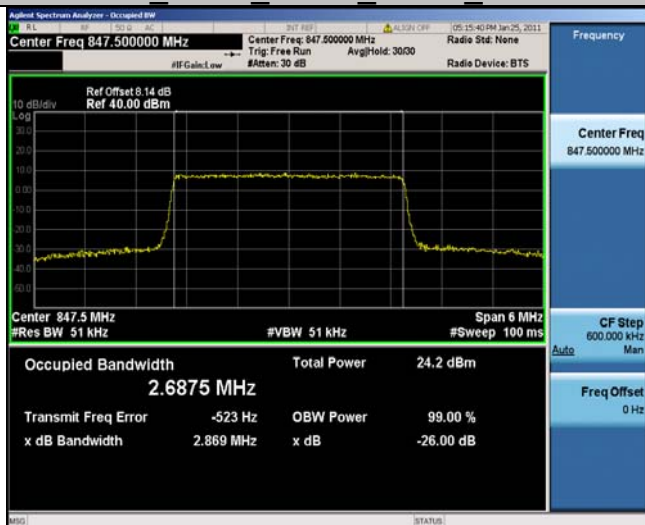
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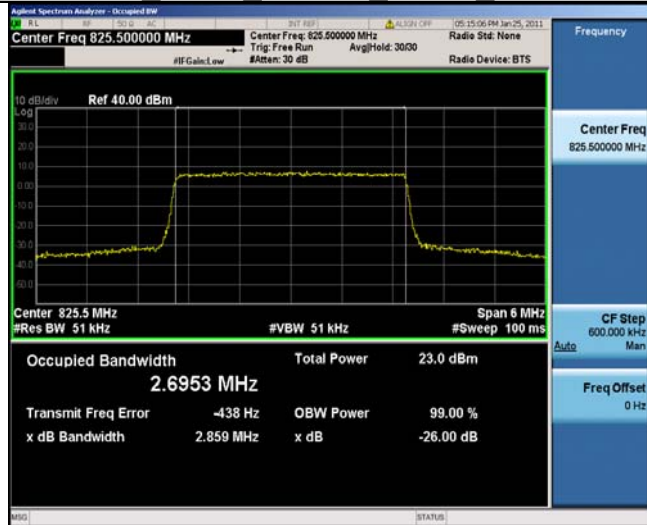
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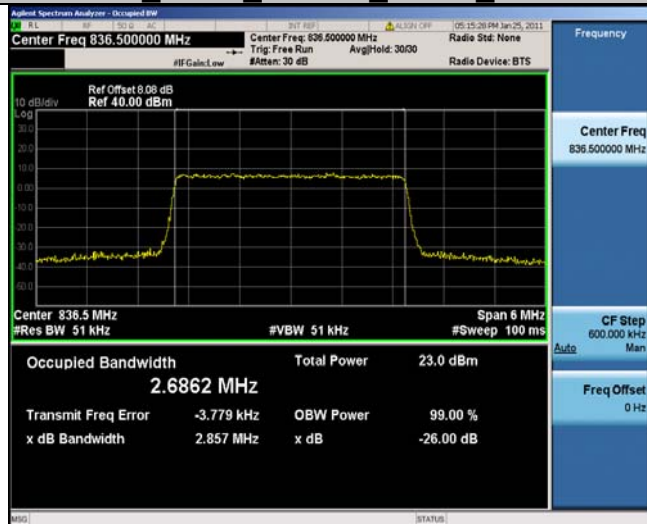
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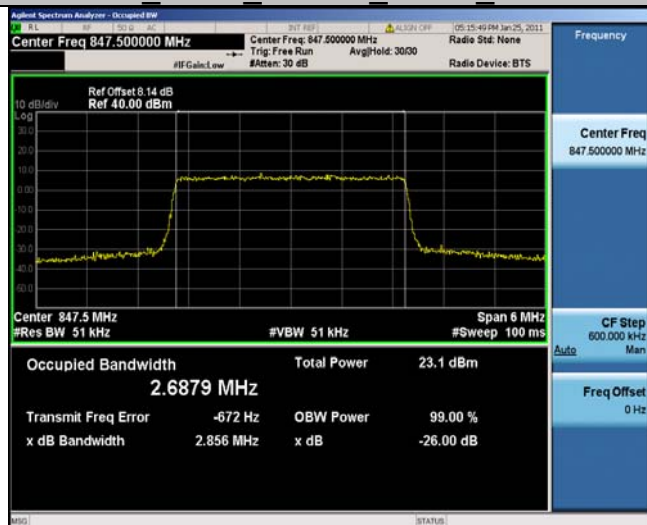
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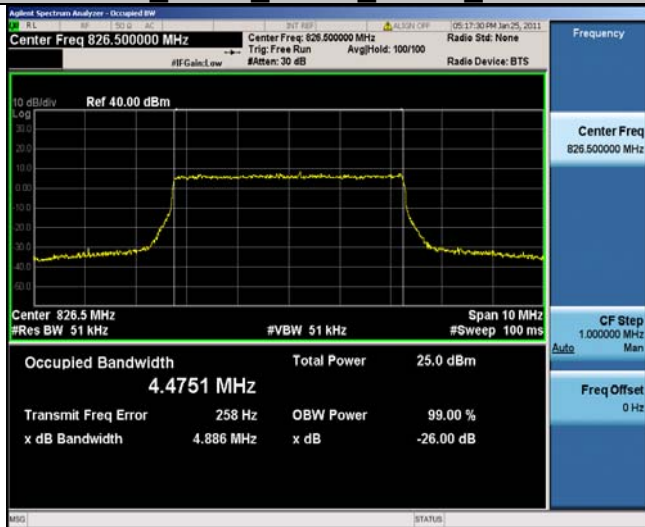
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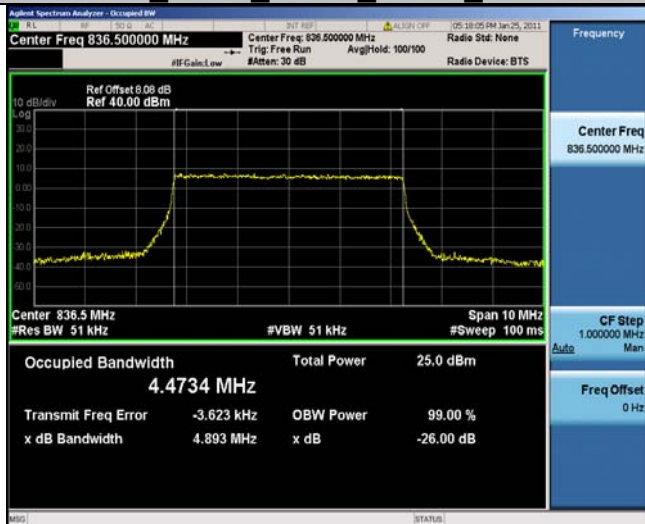
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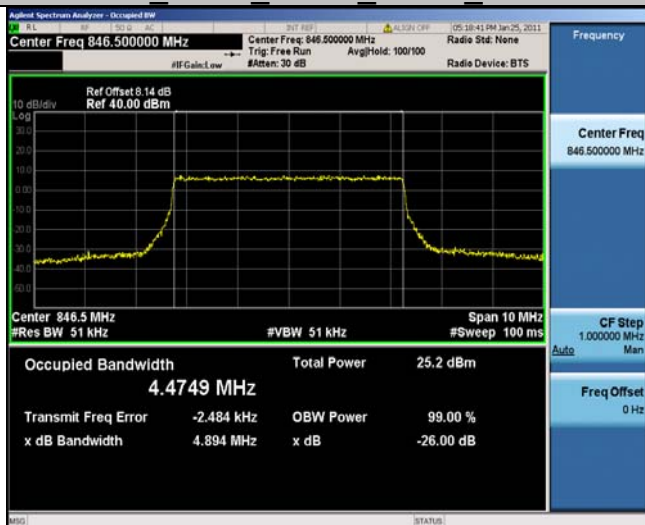
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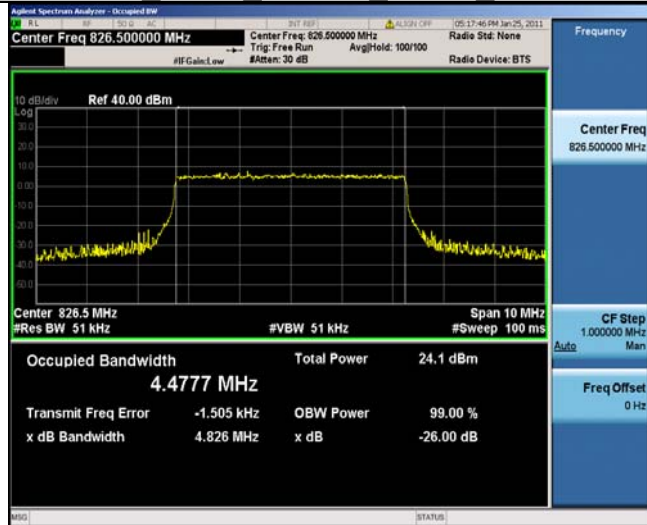
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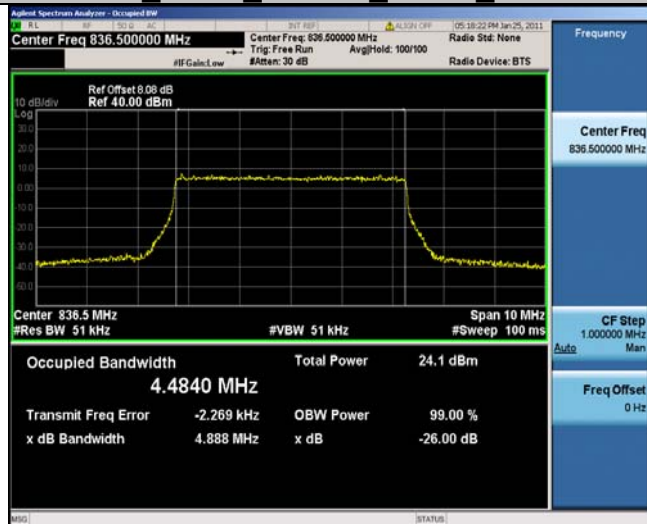
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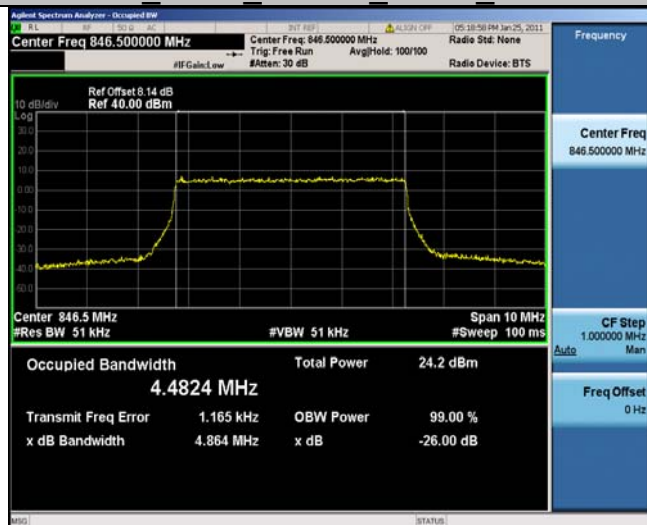
Band5 5MHz 16QAM 20425 25RB#0



Band5 5MHz 16QAM 20525 25RB#0



Band5 5MHz 16QAM 20625 25RB#0



Band5 10MHz QPSK 20450 50RB#0



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Band5 10MHz QPSK 20600 50RB#0



Band5 10MHz 16QAM 20450 50RB#0



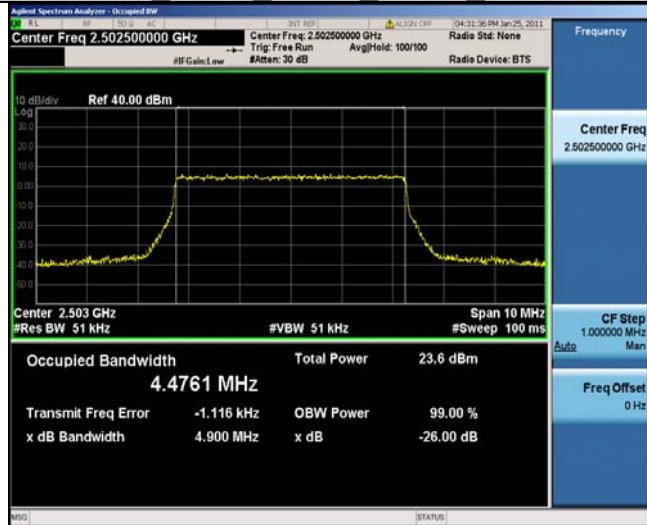
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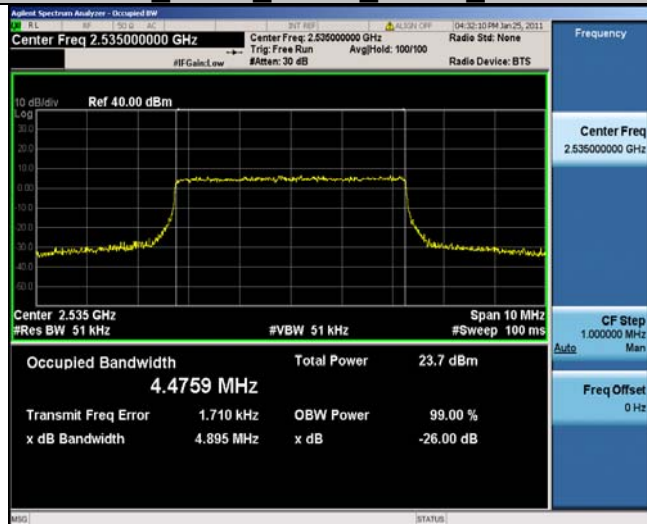
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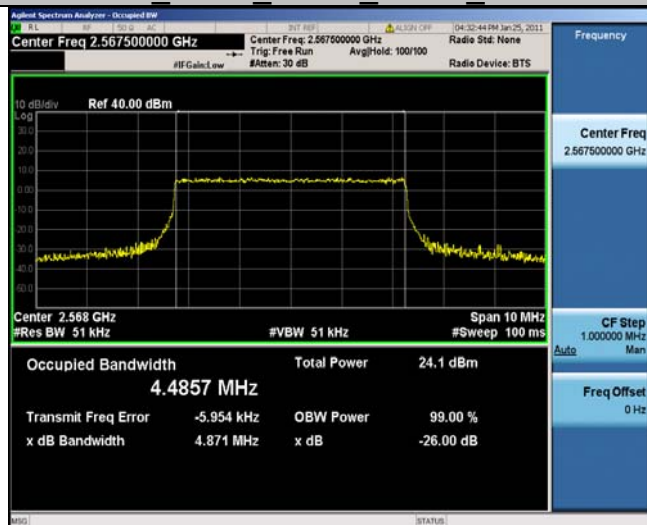
Band7 5MHz QPSK 20775 25RB#0



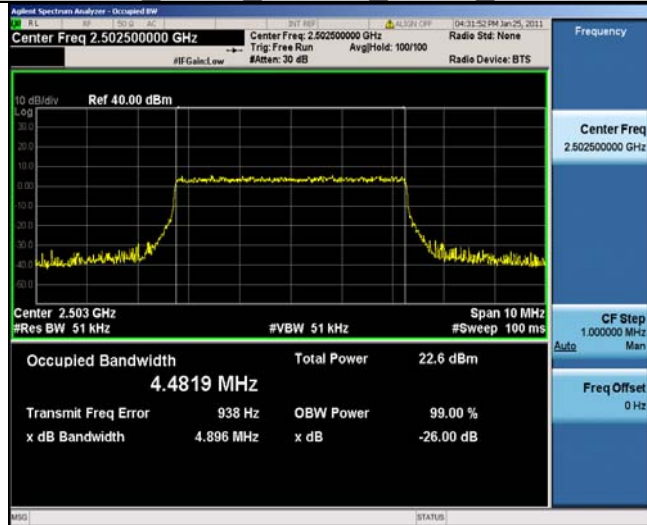
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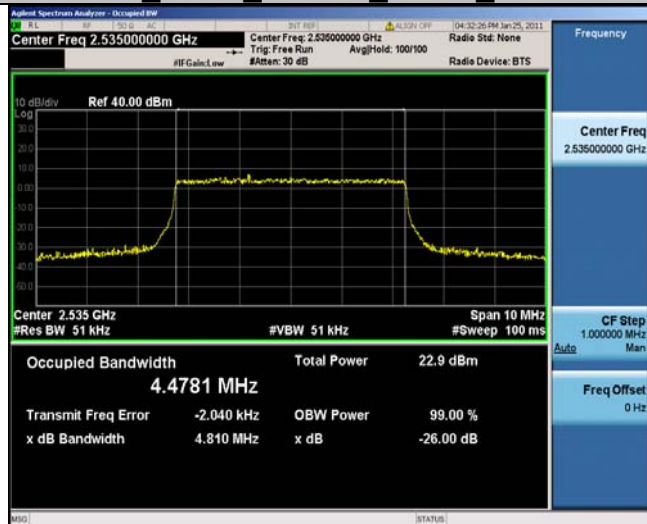
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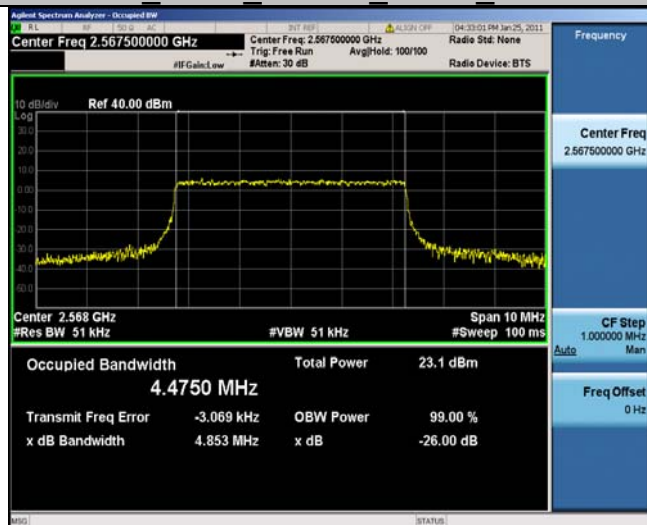
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Band7 5MHz 16QAM 21100 25RB#0



Band7 5MHz 16QAM 21425 25RB#0



Band7 10MHz QPSK 20800 50RB#0



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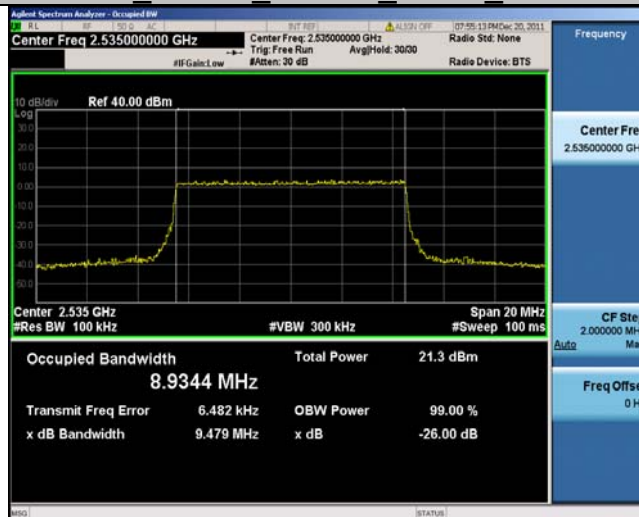
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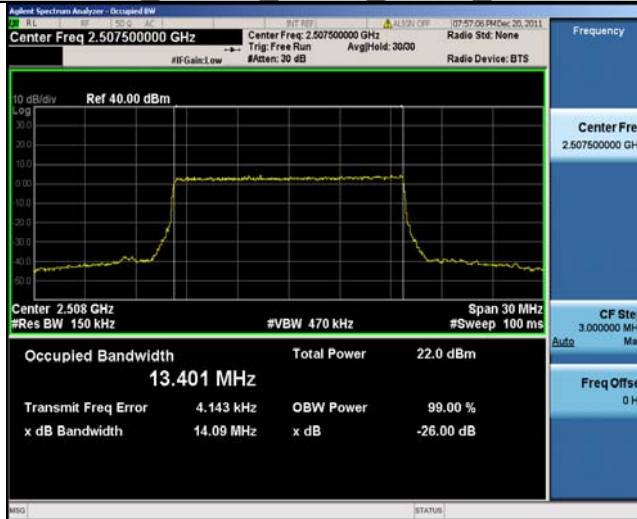
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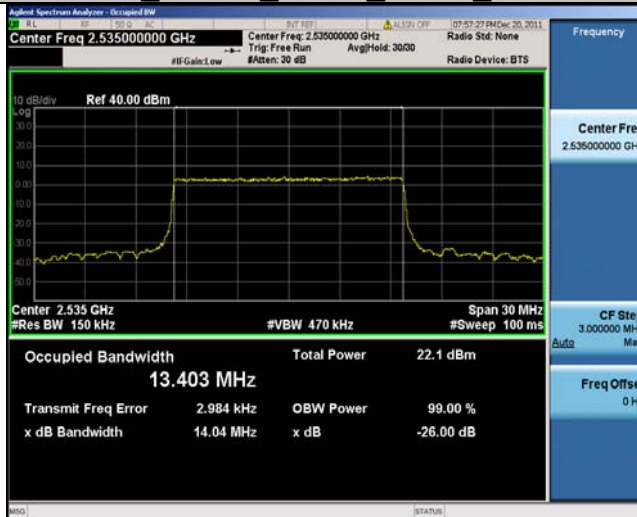
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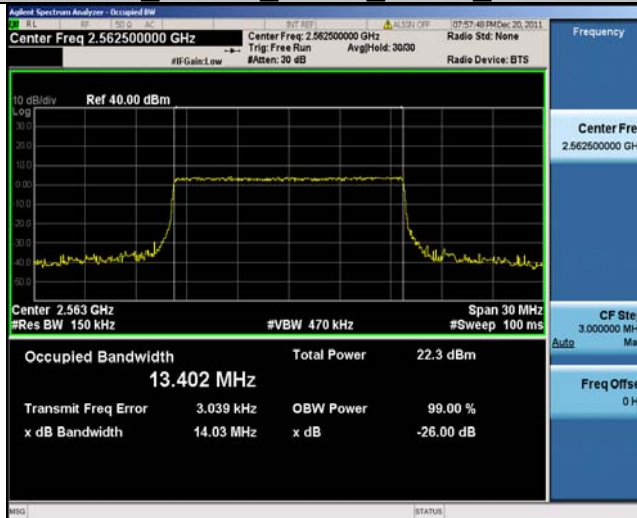
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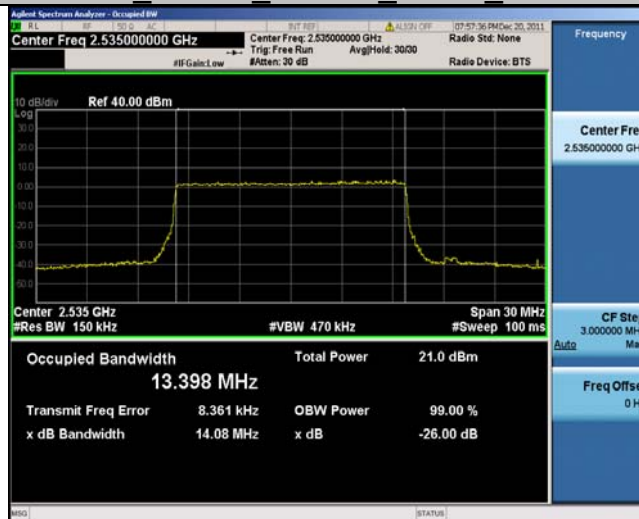
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Band7 15MHz 16QAM 20825 75RB#0



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Band7 15MHz 16QAM 21375 75RB#0

