

FCC TEST REPORT

For

NFC Android Reader

Model Number: FX105F

FCC ID: 2AGQIFX105F

Report Number : WT208000774

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 : NFC Android Reader
Description
Model No : FX105F
Trade mark : Famoco
FCC ID : 2AGQIFX105F

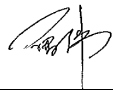
Test Standards:

FCC PART 22H , 24E AND 27(2019)

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.

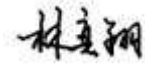
Project
Engineer:



(Zeng Wei 曾伟)

Date: Jun.5, 2020

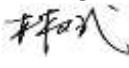
Checked by:



(Lin Yixiang 林奕翔)

Date: Jun.5, 2020

Approved by:



(Lin Bin 林斌)

Date: Jun.5, 2020

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	664
5.6. Frequency Stability.....	694

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:	NFC Android Reader
Hardware Revision :	F105_MB_V2.0
Software Revision :	MOLY.LR12A.R2.MP.V44.1
FCC ID:	2AGQIFX105F
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~716MHz: -1.1dBi 777MHz~787MHz: -0.75dBi 824MHz~849MHz: -0.8dBi 1710MHz~1785MHz: 0.45dBi

	1850MHz~1910MHz: 0.48dBi 2500MHz~2655MHz: 1.3dBi
Operating voltage:	DC: 3.6V (Low)/3.7V (Nominal)/ 4.2V (Max)

Table 3 Identification of the Equipment Under Test (EUT)

EUT	Serial Number/IMEI	HW Version	SW Version	Notes
1	356206110100958	F105_MB_V2.0	MOLY.LR12A. R2.MP.V44.1	Conducted testing sample.
2	356206110100917	F105_MB_V2.0	MOLY.LR12A. R2.MP.V44.1	Radiated testing sample.

Table 4 Identification of Accessory equipment

AE #	Type	Manufacturer	Model	Serial Number
--	--	--	--	--

Remark:EUT, adaptor, Docking Station and USB Cable all come in two colors, white and black.

3.2.Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2AGQIFX105F filing to comply with FCC PART 22H, 24E AND 27.

3.3.Block Diagram of EUT Configuration

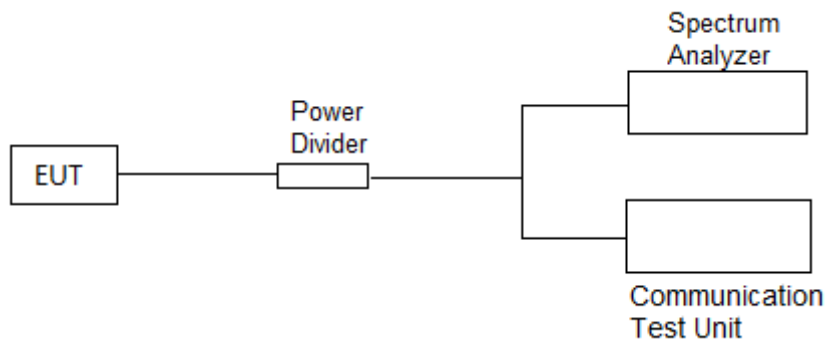


Figure 1 EUT setup of test mode 1, 2, 3, 4, 5

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)	31.75	31.81	31.81
GPRS (GMSK, 1 Tx slot)	31.53	31.53	31.49
GPRS (GMSK, 2 Tx slots)	30.85	30.84	30.83
GPRS (GMSK, 3 Tx slots)	29.22	29.26	29.22
GPRS (GMSK, 4 Tx slots)	28.14	28.18	28.15
EDGE (8PSK, 1 Tx slot)	27.01	27.00	27.01
EDGE (8PSK, 2 Tx slot)	25.61	25.64	25.78
EDGE (8PSK, 3 Tx slot)	23.40	23.46	23.51
EDGE (8PSK, 4 Tx slot)	22.22	22.27	22.31

Band: PCS1900	Average Power [dBm]		
Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GSM (GMSK, 1 Tx slot)	29.07	29.13	29.32
GPRS (GMSK, 1 Tx slot)	29.06	29.10	29.28
GPRS (GMSK, 2 Tx slots)	28.31	28.33	28.48
GPRS (GMSK, 3 Tx slots)	26.56	26.59	26.77

GPRS (GMSK, 4 Tx slots)	25.49	25.48	25.66
EDGE (8PSK, 1 Tx slot)	27.40	26.86	26.24
EDGE (8PSK, 2 Tx slot)	26.05	25.45	24.85
EDGE (8PSK, 3 Tx slot)	23.83	23.20	22.57
EDGE (8PSK, 4 Tx slot)	22.57	21.85	21.29

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	22.56	22.51	22.54
HSDPA Subtest-1	21.43	21.39	21.46
HSDPA Subtest-2	20.74	20.60	20.75
HSDPA Subtest-3	20.66	20.59	20.49
HSDPA Subtest-4	20.55	20.53	20.57
HSUPA Subtest-1	18.83	18.89	19.00
HSUPA Subtest-2	18.96	18.96	19.09
HSUPA Subtest-3	19.96	19.94	19.97
HSUPA Subtest-4	18.45	18.52	18.56
HSUPA Subtest-5	20.06	19.98	20.20

Band: WCDMA Band II	Average Power [dBm]		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2K	22.17	22.10	22.14
HSDPA Subtest-1	21.36	21.57	21.65
HSDPA Subtest-2	20.65	20.87	20.82
HSDPA Subtest-3	20.91	20.78	20.76
HSDPA Subtest-4	20.92	20.80	20.79
HSUPA Subtest-1	20.69	20.55	20.65
HSUPA Subtest-2	20.73	20.18	20.76
HSUPA Subtest-3	21.70	21.61	21.69
HSUPA Subtest-4	19.97	19.93	20.27
HSUPA Subtest-5	21.30	21.22	21.37

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	22.59
			1	3	22.81
			1	5	22.61
			3	0	22.62
			3	2	22.63
			3	3	22.65
			6	0	21.59
	18900	1880	1	0	22.44
			1	3	22.58
			1	5	22.45
			3	0	22.50
			3	2	22.55
			3	3	22.53
			6	0	21.49
	19193	1909.3	1	0	22.40
			1	3	22.36
			1	5	22.51
			3	0	22.46
			3	2	22.46
			3	3	22.49
			6	0	21.48
16QAM	18607	1850.7	1	0	21.35
			1	3	21.37
			1	5	21.53
			3	0	21.45
			3	2	21.45
			3	3	21.44
			6	0	20.47
	18900	1880	1	0	21.25
			1	3	21.30
			1	5	21.18
			3	0	21.28
			3	2	21.25
			3	3	21.28
			6	0	20.51
	19193	1909.3	1	0	21.32
			1	3	21.28
			1	5	21.43
			3	0	21.24
			3	2	21.25
			3	3	21.26
			6	0	20.53

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	22.89
			1	7	22.87
			1	14	22.87
			8	0	21.88
			8	4	21.87
			8	7	21.88
			15	0	21.83
	18900	1880	1	0	22.76
			1	7	22.79
			1	14	22.81
			8	0	21.71
			8	4	21.71
			8	7	21.67
			15	0	21.67
	19185	1908.5	1	0	22.68
			1	7	22.73
			1	14	22.68
			8	0	21.67
			8	4	21.68
			8	7	21.68
			15	0	21.61
16QAM	18615	1851.5	1	0	21.80
			1	7	21.83
			1	14	21.82
			8	0	20.88
			8	4	20.89
			8	7	20.87
			15	0	20.87
	18900	1880	1	0	21.50
			1	7	21.57
			1	14	21.56
			8	0	20.69
			8	4	20.67
			8	7	20.71
			15	0	20.59
	19185	1908.5	1	0	21.42
			1	7	21.40
			1	14	21.38
			8	0	20.66
			8	4	20.67
			8	7	20.66
			15	0	20.55

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	22.83
			1	12	22.92
			1	24	22.82
			12	0	21.85
			12	6	21.82
			12	13	21.81
			25	0	21.84
	18900	1880	1	0	22.70
			1	12	22.77
			1	24	22.67
			12	0	21.62
			12	6	21.67
			12	13	21.66
			25	0	21.67
	19175	1907.5	1	0	22.70
			1	12	22.68
			1	24	22.78
			12	0	21.63
			12	6	21.66
			12	13	21.59
			25	0	21.64
16QAM	18625	1852.5	1	0	21.79
			1	12	21.89
			1	24	21.77
			12	0	20.92
			12	6	20.92
			12	13	20.92
			25	0	20.86
	18900	1880	1	0	21.50
			1	12	21.62
			1	24	21.54
			12	0	20.70
			12	6	20.70
			12	13	20.72
			25	0	20.70
	19175	1907.5	1	0	21.61
			1	12	21.50
			1	24	21.52
			12	0	20.64
			12	6	20.66
			12	13	20.63
			25	0	20.70

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	22.94
			1	24	23.02
			1	49	22.95
			25	0	21.90
			25	12	21.94
			25	25	21.90
			50	0	21.92
	18900	1880	1	0	22.71
			1	24	22.78
			1	49	22.87
			25	0	21.74
			25	12	21.77
			25	25	21.69
			50	0	21.67
	19150	1905	1	0	22.67
			1	24	22.85
			1	49	22.73
			25	0	21.71
			25	12	21.75
			25	25	21.72
			50	0	21.72
16QAM	18650	1855	1	0	21.81
			1	24	21.65
			1	49	21.67
			25	0	20.98
			25	12	20.99
			25	25	20.97
			50	0	20.94
	18900	1880	1	0	21.46
			1	24	21.55
			1	49	21.42
			25	0	20.82
			25	12	20.73
			25	25	20.83
			50	0	20.73
	19150	1905	1	0	21.67
			1	24	21.75
			1	49	21.64
			25	0	20.74
			25	12	20.71
			25	25	20.73
			50	0	20.71

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	22.83
			1	37	22.69
			1	74	22.76
			37	0	21.81
			37	18	21.92
			37	38	21.80
			75	0	21.94
	18900	1880	1	0	22.71
			1	37	22.83
			1	74	22.66
			37	0	21.51
			37	18	21.34
			37	38	21.42
			75	0	21.78
	19125	1902.5	1	0	22.67
			1	37	22.78
			1	74	22.62
			37	0	21.71
			37	18	21.57
			37	38	21.64
			75	0	21.81
16QAM	18675	1857.5	1	0	21.91
			1	37	21.77
			1	74	21.79
			37	0	21.92
			37	18	21.80
			37	38	21.80
			75	0	20.95
	18900	1880	1	0	21.34
			1	37	21.53
			1	74	21.41
			37	0	21.38
			37	18	21.50
			37	38	21.35
			75	0	20.80
	19125	1902.5	1	0	21.53
			1	37	21.63
			1	74	21.72
			37	0	21.52
			37	18	21.69
			37	38	21.61
			75	0	20.75

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	23.00
			1	49	22.65
			1	99	22.63
			50	0	21.79
			50	25	21.81
			50	50	21.91
			100	0	21.83
	18900	1880	1	0	22.47
			1	49	22.52
			1	99	22.84
			50	0	21.76
			50	25	21.66
			50	50	21.77
			100	0	21.70
	19100	1900	1	0	22.52
			1	49	22.90
			1	99	22.51
			50	0	21.72
			50	25	21.72
			50	50	21.68
			100	0	21.70
16QAM	18700	1860	1	0	22.09
			1	49	21.65
			1	99	21.64
			50	0	20.83
			50	25	20.82
			50	50	20.94
			100	0	20.87
	18900	1880	1	0	21.21
			1	49	21.68
			1	99	21.29
			50	0	20.84
			50	25	20.82
			50	50	20.71
			100	0	20.72
	19100	1900	1	0	21.30
			1	49	21.65
			1	99	21.32
			50	0	20.70
			50	25	20.72
			50	50	20.72
			100	0	20.72

LTE Band 4 (Bandwidth: 1.4MHz)

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	19957	1710.7	1	0	23.27
			1	3	23.11
			1	5	23.11
			3	0	23.12
			3	2	23.16
			3	3	23.15
			6	0	22.13
	20175	1732.5	1	0	23.02
			1	3	23.00
			1	5	23.16
			3	0	23.08
			3	2	23.06
			3	3	23.12
			6	0	22.10
	20393	1754.3	1	0	23.10
			1	3	23.08
			1	5	23.22
			3	0	23.10
			3	2	23.09
			3	3	23.11
			6	0	22.09
16QAM	19957	1710.7	1	0	21.79
			1	3	21.99
			1	5	21.80
			3	0	21.89
			3	2	21.89
			3	3	21.92
			6	0	21.13
	20175	1732.5	1	0	21.86
			1	3	21.90
			1	5	22.06
			3	0	21.87
			3	2	21.84
			3	3	21.88
			6	0	21.11
	20393	1754.3	1	0	21.85
			1	3	21.85
			1	5	21.97
			3	0	21.90
			3	2	21.92
			3	3	21.91
			6	0	20.99

LTE Band 4 (Bandwidth: 3MHz)

	Channel Bandwidth: 3 MHz				
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	19965	1711.5	1	0	23.18
			1	7	23.18
			1	14	23.14
			8	0	22.06
			8	4	22.05
			8	7	22.06
			15	0	22.03
	20175	1732.5	1	0	23.08
			1	7	23.08
			1	14	23.10
			8	0	22.04
			8	4	22.07
			8	7	22.06
			15	0	22.00
	20385	1753.5	1	0	23.06
			1	7	23.06
			1	14	23.07
			8	0	22.07
			8	4	22.03
			8	7	22.04
			15	0	22.00
16QAM	19965	1711.5	1	0	21.95
			1	7	21.92
			1	14	21.93
			8	0	21.07
			8	4	21.08
			8	7	21.11
			15	0	21.01
	20175	1732.5	1	0	21.82
			1	7	21.80
			1	14	21.77
			8	0	21.05
			8	4	21.06
			8	7	21.08
			15	0	20.95
	20385	1753.5	1	0	22.01
			1	7	22.02
			1	14	22.04
			8	0	21.12
			8	4	21.11
			8	7	21.08
			15	0	21.09

LTE Band 4 (Bandwidth: 5MHz)

Channel Bandwidth: 5 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	19975	1712.5	1	0	23.04
			1	12	23.16
			1	24	23.04
			12	0	22.04
			12	6	22.08
			12	13	22.03
			25	0	22.09
	20175	1732.5	1	0	23.03
			1	12	23.17
			1	24	23.03
			12	0	21.99
			12	6	22.00
			12	13	22.04
			25	0	22.06
	20375	1752.5	1	0	23.16
			1	12	23.06
			1	24	23.06
			12	0	22.03
			12	6	21.98
			12	13	22.03
			25	0	22.07
16QAM	19975	1712.5	1	0	22.03
			1	12	22.15
			1	24	22.05
			12	0	21.11
			12	6	21.14
			12	13	21.20
			25	0	21.09
	20175	1732.5	1	0	22.01
			1	12	21.86
			1	24	21.87
			12	0	21.10
			12	6	21.12
			12	13	21.09
			25	0	21.12
	20375	1752.5	1	0	21.99
			1	12	21.91
			1	24	21.92
			12	0	21.06
			12	6	21.06
			12	13	21.09
			25	0	21.09

LTE Band 4 (Bandwidth: 10MHz)

Channel Bandwidth: 10 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20000	1715	1	0	23.13
			1	24	23.24
			1	49	23.14
			25	0	22.10
			25	12	22.17
			25	25	22.13
			50	0	22.15
	20175	1732.5	1	0	23.20
			1	24	23.07
			1	49	23.05
			25	0	22.14
			25	12	22.09
			25	25	22.12
			50	0	22.09
	20350	1775	1	0	23.01
			1	24	23.08
			1	49	23.22
			25	0	22.12
			25	12	22.13
			25	25	22.06
			50	0	22.09
16QAM	20350	1715	1	0	21.90
			1	24	22.04
			1	49	21.93
			25	0	21.18
			25	12	21.25
			25	25	21.19
			50	0	21.22
	20175	1732.5	1	0	21.78
			1	24	21.88
			1	49	21.79
			25	0	21.24
			25	12	21.13
			25	25	21.22
			50	0	21.12
	20350	1750	1	0	21.99
			1	24	22.15
			1	49	21.99
			25	0	21.08
			25	12	21.15
			25	25	21.16
			50	0	21.09

LTE Band 4 (Bandwidth: 15MHz)

Channel Bandwidth: 15 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20025	1717.5	1	0	23.13
			1	37	22.94
			1	74	22.97
			37	0	22.05
			37	18	22.05
			37	38	22.19
			75	0	22.18
	20175	1732.5	1	0	23.04
			1	37	23.05
			1	74	23.17
			37	0	21.86
			37	18	21.74
			37	38	21.74
			75	0	22.14
	20325	1747.5	1	0	23.00
			1	37	23.15
			1	74	22.99
			37	0	22.09
			37	18	21.93
			37	38	21.94
			75	0	22.14
16QAM	20025	1717.5	1	0	22.04
			1	37	22.18
			1	74	22.07
			37	0	22.08
			37	18	22.21
			37	38	22.08
			75	0	21.19
	20175	1732.5	1	0	21.72
			1	37	21.73
			1	74	21.84
			37	0	21.71
			37	18	21.80
			37	38	21.72
			75	0	21.14
	20325	1747.5	1	0	22.09
			1	37	21.98
			1	74	21.90
			37	0	22.07
			37	18	21.96
			37	38	21.92
			75	0	21.12

LTE Band 4 (Bandwidth: 20MHz)

Channel Bandwidth: 20 MHz					
Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20050	1720	1	0	23.26
			1	49	22.92
			1	99	22.85
			50	0	22.11
			50	25	22.03
			50	50	22.06
			100	0	22.07
	20175	1732.5	1	0	22.78
			1	49	23.17
			1	99	22.85
			50	0	22.09
			50	25	22.06
			50	50	22.06
			100	0	22.02
	20300	1745	1	0	22.80
			1	49	23.23
			1	99	22.89
			50	0	22.07
			50	25	22.06
			50	50	21.99
			100	0	21.98
16QAM	20050	1720	1	0	22.37
			1	49	21.94
			1	99	21.97
			50	0	21.13
			50	25	21.18
			50	50	21.13
			100	0	21.14
	20175	1732.5	1	0	21.57
			1	49	21.95
			1	99	21.66
			50	0	21.21
			50	25	21.19
			50	50	21.14
			100	0	21.11
	20300	1745	1	0	21.71
			1	49	22.09
			1	99	21.64
			50	0	21.04
			50	25	21.10
			50	50	21.11
			100	0	21.04

LTE Band 5(Bandwidth: 1.4MHz)

Modulation	Channel	Frequency (MHz)	Channel Bandwidth: 1.4 MHz		
			RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20407	824.7	1	0	22.87
			1	3	22.89
			1	5	22.99
			3	0	22.91
			3	2	22.91
			3	3	22.91
			6	0	21.86
	20525	836.5	1	0	22.83
			1	3	22.93
			1	5	22.82
			3	0	22.87
			3	2	22.87
			3	3	22.94
			6	0	21.84
	20643	848.3	1	0	22.80
			1	3	22.73
			1	5	22.93
			3	0	22.90
			3	2	22.87
			3	3	22.85
			6	0	21.86
16QAM	20407	824.7	1	0	21.67
			1	3	21.87
			1	5	21.70
			3	0	21.70
			3	2	21.68
			3	3	21.69
			6	0	20.75
	20525	836.5	1	0	21.63
			1	3	21.50
			1	5	21.55
			3	0	21.63
			3	2	21.65
			3	3	21.62
			6	0	20.87
	20643	848.3	1	0	21.61
			1	3	21.80
			1	5	21.66
			3	0	21.67
			3	2	21.65
			3	3	21.65
			6	0	20.86

LTE Band 5(Bandwidth: 3MHz)

Modulation	Channel	Frequency (MHz)	Channel Bandwidth: 3 MHz		
			RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	20415	825.5	1	0	23.02
			1	7	23.05
			1	14	23.06
			8	0	22.00
			8	4	22.00
			8	7	21.99
			15	0	21.96
	20525	836.5	1	0	22.96
			1	7	22.98
			1	14	23.03
			8	0	21.86
			8	4	21.88
			8	7	21.90
			15	0	21.90
	20635	847.5	1	0	22.91
			1	7	22.98
			1	14	22.93
			8	0	21.93
			8	4	21.90
			8	7	21.95
			15	0	21.86
16QAM	20415	825.5	1	0	21.95
			1	7	21.99
			1	14	22.01
			8	0	21.08
			8	4	21.07
			8	7	21.06
			15	0	21.03
	20525	836.5	1	0	21.77
			1	7	21.77
			1	14	21.79
			8	0	20.94
			8	4	20.93
			8	7	20.93
			15	0	20.88
	20635	847.5	1	0	21.72
			1	7	21.61
			1	14	21.64
			8	0	20.96
			8	4	20.96
			8	7	20.96
			15	0	20.83

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	23.02
			1	12	22.87
			1	24	22.94
			12	0	21.86
			12	6	21.95
			12	13	21.86
			25	0	21.95
	20525	836.5	1	0	22.91
			1	12	22.86
			1	24	22.93
			12	0	21.83
			12	6	21.81
			12	13	21.83
			25	0	21.88
	20625	846.5	1	0	22.94
			1	12	22.84
			1	24	22.91
			12	0	21.84
			12	6	21.83
			12	13	21.65
			25	0	21.79
16QAM	20425	826.5	1	0	21.93
			1	12	22.07
			1	24	21.98
			12	0	21.01
			12	6	21.02
			12	13	21.09
			25	0	20.98
	20525	836.5	1	0	21.73
			1	12	21.71
			1	24	21.79
			12	0	20.89
			12	6	20.98
			12	13	20.90
			25	0	20.95
	20625	846.5	1	0	21.72
			1	12	21.85
			1	24	21.82
			12	0	20.87
			12	6	20.75
			12	13	20.88
			25	0	20.86

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	22.89
			1	24	23.05
			1	49	22.91
			25	0	21.89
			25	12	21.91
			25	25	21.98
			50	0	21.91
	20525	836.5	1	0	22.92
			1	24	22.94
			1	49	23.03
			25	0	21.94
			25	12	21.89
			25	25	21.94
			50	0	21.90
	20600	844	1	0	22.87
			1	24	22.91
			1	49	22.84
			25	0	21.59
			25	12	21.82
			25	25	21.83
			50	0	21.72
16QAM	20450	829	1	0	21.89
			1	24	21.70
			1	49	21.69
			25	0	21.09
			25	12	20.96
			25	25	20.93
			50	0	20.99
	20525	836.5	1	0	21.64
			1	24	21.67
			1	49	21.61
			25	0	21.01
			25	12	21.07
			25	25	20.96
			50	0	20.98
	20600	844	1	0	21.83
			1	24	21.90
			1	49	21.80
			25	0	20.89
			25	12	20.86
			25	25	20.64
			50	0	20.75

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	22.56
			1	12	22.62
			1	24	22.69
			12	0	21.70
			12	6	21.73
			12	13	21.75
			25	0	21.74
	21100	2535	1	0	22.69
			1	12	22.55
			1	24	22.62
			12	0	21.66
			12	6	21.66
			12	13	21.68
			25	0	21.61
	21425	2567.5	1	0	22.76
			1	12	22.62
			1	24	22.63
			12	0	21.60
			12	6	21.61
			12	13	21.58
			25	0	21.63
16QAM	20775	2502.5	1	0	21.77
			1	12	21.65
			1	24	21.65
			12	0	20.77
			12	6	20.73
			12	13	20.75
			25	0	20.66
	21100	2535	1	0	21.50
			1	12	21.61
			1	24	21.54
			12	0	20.65
			12	6	20.69
			12	13	20.66
			25	0	20.69
	21425	2567.5	1	0	21.43
			1	12	21.48
			1	24	21.60
			12	0	20.54
			12	6	20.54
			12	13	20.53
			25	0	20.55

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	22.69
			1	24	22.67
			1	49	22.70
			25	0	21.78
			25	12	21.79
			25	25	21.77
			50	0	21.77
	21100	2535	1	0	22.60
			1	24	22.64
			1	49	22.76
			25	0	21.70
			25	12	21.73
			25	25	21.74
			50	0	21.71
	21400	2565	1	0	22.64
			1	24	22.75
			1	49	22.60
			25	0	21.70
			25	12	21.62
			25	25	21.58
			50	0	21.63
16QAM	20800	2505	1	0	21.51
			1	24	21.65
			1	49	21.50
			25	0	20.72
			25	12	20.72
			25	25	20.68
			50	0	20.75
	21100	2535	1	0	21.52
			1	24	21.44
			1	49	21.37
			25	0	20.71
			25	12	20.73
			25	25	20.71
			50	0	20.67
	21400	2565	1	0	21.55
			1	24	21.65
			1	49	21.55
			25	0	20.59
			25	12	20.51
			25	25	20.51
			50	0	20.53

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	22.63
			1	37	22.53
			1	74	21.75
			37	0	21.69
			37	18	21.71
			37	38	21.82
			75	0	21.87
	21100	2535	1	0	22.55
			1	37	22.64
			1	74	22.51
			37	0	21.33
			37	18	21.47
			37	38	21.31
			75	0	21.75
	21375	2562.5	1	0	22.46
			1	37	22.60
			1	74	22.57
			37	0	21.51
			37	18	21.57
			37	38	21.45
			75	0	21.78
16QAM	20825	2507.5	1	0	21.82
			1	37	21.67
			1	74	21.66
			37	0	21.70
			37	18	21.79
			37	38	21.67
			75	0	20.78
	21100	2535	1	0	21.34
			1	37	21.33
			1	74	21.45
			37	0	21.32
			37	18	21.49
			37	38	21.32
			75	0	20.66
	21375	2562.5	1	0	21.55
			1	37	21.47
			1	74	21.46
			37	0	21.46
			37	18	21.51
			37	38	21.56
			75	0	20.62

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	22.36
			1	49	22.42
			1	99	22.84
			50	0	21.68
			50	25	21.65
			50	50	21.74
			100	0	21.67
	21100	2535	1	0	22.30
			1	49	22.67
			1	99	22.31
			50	0	21.59
			50	25	21.64
			50	50	21.61
			100	0	21.61
	21350	2560	1	0	22.84
			1	49	22.35
			1	99	22.47
			50	0	21.58
			50	25	21.66
			50	50	21.57
			100	0	21.61
16QAM	20850	2510	1	0	21.52
			1	49	21.55
			1	99	21.91
			50	0	20.72
			50	25	20.66
			50	50	20.64
			100	0	20.64
	21100	2535	1	0	21.19
			1	49	21.57
			1	99	21.17
			50	0	20.63
			50	25	20.67
			50	50	20.64
			100	0	20.56
	21350	2560	1	0	21.26
			1	49	21.25
			1	99	21.54
			50	0	20.51
			50	25	20.45
			50	50	20.54
			100	0	20.51

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	23.44
			1	3	23.54
			1	5	23.41
			3	0	23.44
			3	2	23.41
			3	3	23.46
			6	0	22.48
	23095	707.5	1	0	23.48
			1	3	23.29
			1	5	23.32
			3	0	23.42
			3	2	23.42
			3	3	23.40
			6	0	22.46
	23173	715.3	1	0	23.24
			1	3	23.41
			1	5	23.30
			3	0	23.34
			3	2	23.35
			3	3	23.38
			6	0	22.47
16QAM	23017	699.7	1	0	22.40
			1	3	22.25
			1	5	22.21
			3	0	22.36
			3	2	22.34
			3	3	22.34
			6	0	21.33
	23095	707.5	1	0	22.24
			1	3	22.13
			1	5	22.16
			3	0	22.22
			3	2	22.27
			3	3	22.21
			6	0	21.39
	23173	715.3	1	0	22.22
			1	3	22.43
			1	5	22.21
			3	0	22.20
			3	2	22.28
			3	3	22.25
			6	0	21.37

LTE Band 12(Bandwidth: 3MHz)

Modulation	Channel	Frequency (MHz)	Channel Bandwidth: 3 MHz		
			RB Configuration		Average Power [dBm]
			Size	Offset	
QPSK	23025	700.5	1	0	23.41
			1	7	23.43
			1	14	23.40
			8	0	22.47
			8	4	22.48
			8	7	22.52
			15	0	22.48
	23095	707.5	1	0	23.39
			1	7	23.37
			1	14	23.40
			8	0	22.42
			8	4	22.43
			8	7	22.43
			15	0	22.42
	23165	714.5	1	0	23.36
			1	7	23.35
			1	14	23.41
			8	0	22.45
			8	4	22.46
			8	7	22.45
			15	0	22.41
16QAM	23025	700.5	1	0	22.52
			1	7	22.49
			1	14	22.49
			8	0	21.46
			8	4	21.48
			8	7	21.49
			15	0	21.46
	23095	707.5	1	0	22.29
			1	7	22.25
			1	14	22.34
			8	0	21.37
			8	4	21.36
			8	7	21.33
			15	0	21.34
	23165	714.5	1	0	22.20
			1	7	22.23
			1	14	22.20
			8	0	21.40
			8	4	21.41
			8	7	21.39
			15	0	21.31

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	23.39
			1	12	23.40
			1	24	23.54
			12	0	22.43
			12	6	22.57
			12	13	22.49
			25	0	22.53
	23095	707.5	1	0	23.33
			1	12	23.37
			1	24	23.31
			12	0	22.48
			12	6	22.45
			12	13	22.47
			25	0	22.50
	23155	713.5	1	0	23.34
			1	12	23.44
			1	24	23.36
			12	0	22.48
			12	6	22.39
			12	13	22.40
			25	0	22.49
16QAM	23035	701.5	1	0	22.38
			1	12	22.56
			1	24	22.37
			12	0	21.45
			12	6	21.56
			12	13	21.42
			25	0	21.51
	23095	707.5	1	0	22.41
			1	12	22.47
			1	24	22.50
			12	0	21.42
			12	6	21.49
			12	13	21.51
			25	0	21.40
	23155	713.5	1	0	22.31
			1	12	22.38
			1	24	22.28
			12	0	21.47
			12	6	21.42
			12	13	21.47
			25	0	21.48

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	23.43
			1	24	23.40
			1	49	23.53
			25	0	22.47
			25	12	22.43
			25	25	22.44
			50	0	22.46
	23095	707.5	1	0	23.36
			1	24	23.40
			1	49	23.44
			25	0	22.41
			25	12	22.49
			25	25	22.51
			50	0	22.42
	23130	711	1	0	23.33
			1	24	23.56
			1	49	23.31
			25	0	22.60
			25	12	22.58
			25	25	22.62
			50	0	22.58
16QAM	23060	704	1	0	22.35
			1	24	22.41
			1	49	22.32
			25	0	21.43
			25	12	21.43
			25	25	21.48
			50	0	21.46
	23095	707.5	1	0	22.21
			1	24	22.28
			1	49	22.17
			25	0	21.41
			25	12	21.48
			25	25	21.45
			50	0	21.44
	23130	711	1	0	22.43
			1	24	22.44
			1	49	22.59
			25	0	21.50
			25	12	21.54
			25	25	21.54
			50	0	21.52

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	23.08
			1	12	22.97
			1	24	22.97
			12	0	21.88
			12	6	21.83
			12	13	22.04
			25	0	21.97
	23230	782	1	0	22.98
			1	12	23.04
			1	24	22.95
			12	0	21.93
			12	6	21.91
			12	13	21.87
			25	0	21.92
	23255	784.5	1	0	23.00
			1	12	22.90
			1	24	22.87
			12	0	21.96
			12	6	21.93
			12	13	21.86
			25	0	21.93
16QAM	23205	779.5	1	0	21.81
			1	12	21.80
			1	24	21.93
			12	0	20.98
			12	6	21.02
			12	13	21.08
			25	0	21.10
	23230	782	1	0	21.93
			1	12	21.83
			1	24	21.88
			12	0	20.93
			12	6	20.93
			12	13	20.98
			25	0	21.02
	23255	784.5	1	0	22.05
			1	12	21.87
			1	24	21.98
			12	0	21.02
			12	6	21.00
			12	13	21.02
			25	0	20.96

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	23.07
			1	24	22.99
			1	49	23.13
			25	0	21.99
			25	12	22.01
			25	25	21.98
			50	0	21.92
16QAM	23230	782	1	0	21.79
			1	24	21.88
			1	49	21.73
			25	0	21.02
			25	12	21.06
			25	25	21.05
			50	0	21.01

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	23.44
			1	12	23.55
			1	24	23.46
			12	0	22.53
			12	6	22.54
			12	13	22.49
			25	0	22.50
	23790	710	1	0	23.43
			1	12	23.37
			1	24	23.30
			12	0	22.47
			12	6	22.47
			12	13	22.55
			25	0	22.51
	23825	713.5	1	0	23.30
			1	12	23.42
			1	24	23.45
			12	0	22.47
			12	6	22.44
			12	13	22.52
			25	0	22.53
16QAM	23755	706.5	1	0	22.45
			1	12	22.56
			1	24	22.39
			12	0	21.46
			12	6	21.49
			12	13	21.48
			25	0	21.53
	23790	710	1	0	22.53
			1	12	22.59
			1	24	22.45
			12	0	21.57
			12	6	21.55
			12	13	21.55
			25	0	21.43
	23825	713.5	1	0	22.42
			1	12	22.31
			1	24	22.34
			12	0	21.50
			12	6	21.48
			12	13	21.44
			25	0	21.51

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	23.54
			1	24	23.50
			1	49	23.46
			25	0	22.70
			25	12	22.57
			25	25	22.69
			50	0	22.66
	23790	710	1	0	23.44
			1	24	23.55
			1	49	23.37
			25	0	22.62
			25	12	22.58
			25	25	22.59
			50	0	22.63
	23800	711	1	0	23.56
			1	24	23.42
			1	49	23.38
			25	0	22.67
			25	12	22.63
			25	25	22.64
			50	0	22.65
16QAM	23780	709	1	0	22.51
			1	24	22.41
			1	49	22.36
			25	0	21.66
			25	12	21.58
			25	25	21.64
			50	0	21.60
	23790	710	1	0	22.24
			1	24	22.38
			1	49	22.27
			25	0	21.60
			25	12	21.60
			25	25	21.61
			50	0	21.58
	23800	711	1	0	22.61
			1	24	22.43
			1	49	22.53
			25	0	21.62
			25	12	21.56
			25	25	21.60
			50	0	21.58

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	23.03
			1	12	23.16
			1	24	23.08
			12	0	22.14
			12	6	22.16
			12	13	22.13
			25	0	22.18
	38000	2595	1	0	23.18
			1	12	23.04
			1	24	23.05
			12	0	22.14
			12	6	22.09
			12	13	22.08
			25	0	22.11
	38225	2617.5	1	0	23.11
			1	12	23.21
			1	24	23.01
			12	0	22.03
			12	6	22.03
			12	13	22.06
			25	0	22.11
16QAM	37775	2572.5	1	0	22.13
			1	12	22.23
			1	24	22.15
			12	0	21.13
			12	6	21.15
			12	13	21.14
			25	0	21.07
	38000	2595	1	0	21.95
			1	12	21.97
			1	24	22.11
			12	0	21.08
			12	6	21.08
			12	13	21.07
			25	0	21.06
	38225	2617.5	1	0	21.97
			1	12	21.89
			1	24	22.06
			12	0	21.11
			12	6	21.04
			12	13	21.05
			25	0	21.12

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	23.43
			1	24	23.20
			1	49	23.20
			25	0	22.18
			25	12	22.18
			25	25	22.26
			50	0	22.18
	38000	2595	1	0	23.10
			1	24	23.10
			1	49	23.39
			25	0	22.18
			25	12	22.19
			25	25	22.19
			50	0	22.17
	38200	2615	1	0	23.10
			1	24	23.44
			1	49	23.16
			25	0	22.19
			25	12	22.11
			25	25	22.12
			50	0	22.14
16QAM	37800	2575	1	0	22.27
			1	24	22.01
			1	49	22.04
			25	0	21.12
			25	12	21.22
			25	25	21.11
			50	0	21.15
	38000	2595	1	0	22.16
			1	24	21.90
			1	49	21.90
			25	0	21.13
			25	12	21.16
			25	25	21.14
			50	0	21.11
	38200	2615	1	0	22.38
			1	24	22.06
			1	49	22.08
			25	0	21.17
			25	12	21.12
			25	25	21.11
			50	0	21.17

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	23.10
			1	37	22.04
			1	74	23.00
			37	0	22.09
			37	18	22.01
			37	38	22.03
			75	0	22.16
	38000	2595	1	0	22.89
			1	37	23.05
			1	74	22.95
			37	0	22.11
			37	18	22.23
			37	38	22.10
			75	0	22.18
	38175	2612.5	1	0	23.13
			1	37	23.08
			1	74	23.06
			37	0	21.83
			37	18	21.86
			37	38	21.78
			75	0	22.13
16QAM	37825	2577.5	1	0	22.00
			1	37	22.02
			1	74	22.13
			37	0	22.01
			37	18	22.00
			37	38	22.11
			75	0	21.03
	38000	2595	1	0	22.11
			1	37	22.21
			1	74	22.13
			37	0	22.10
			37	18	22.10
			37	38	22.23
			75	0	21.13
	38175	2612.5	1	0	21.88
			1	37	21.81
			1	74	21.81
			37	0	21.84
			37	18	21.88
			37	38	21.76
			75	0	21.14

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	22.92
			1	49	23.33
			1	99	22.87
			50	0	22.03
			50	25	22.12
			50	50	22.02
			100	0	22.05
	38000	2595	1	0	22.88
			1	49	23.27
			1	99	22.81
			50	0	22.12
			50	25	22.11
			50	50	22.11
			100	0	22.12
	38150	2610	1	0	22.99
			1	49	23.38
			1	99	22.88
			50	0	22.12
			50	25	22.09
			50	50	22.10
			100	0	22.08
16QAM	37850	2580	1	0	22.03
			1	49	22.50
			1	99	22.00
			50	0	20.97
			50	25	20.97
			50	50	21.08
			100	0	21.02
	38000	2595	1	0	21.72
			1	49	22.18
			1	99	21.65
			50	0	21.08
			50	25	21.07
			50	50	21.07
			100	0	21.08
	38150	2610	1	0	21.78
			1	49	22.19
			1	99	21.78
			50	0	21.14
			50	25	21.02
			50	50	21.06
			100	0	21.09

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	23.10
			1	12	23.06
			1	24	23.21
			12	0	22.18
			12	6	22.14
			12	13	22.17
			25	0	22.24
	40740	2605	1	0	23.13
			1	12	23.26
			1	24	23.11
			12	0	22.09
			12	6	22.11
			12	13	22.04
			25	0	22.11
	41215	2652.5	1	0	23.24
			1	12	23.11
			1	24	23.12
			12	0	22.05
			12	6	22.08
			12	13	22.04
			25	0	22.09
16QAM	40265	2557.5	1	0	22.21
			1	12	22.31
			1	24	22.14
			12	0	21.13
			12	6	21.12
			12	13	21.18
			25	0	21.11
	40740	2605	1	0	21.96
			1	12	21.93
			1	24	22.05
			12	0	21.12
			12	6	21.17
			12	13	21.10
			25	0	21.16
	41215	2652.5	1	0	22.06
			1	12	21.94
			1	24	21.94
			12	0	21.10
			12	6	21.07
			12	13	21.10
			25	0	21.08

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	23.15
			1	24	23.47
			1	49	23.19
			25	0	22.17
			25	12	22.15
			25	25	22.28
			50	0	22.17
	40740	2605	1	0	23.45
			1	24	23.10
			1	49	23.19
			25	0	22.12
			25	12	22.13
			25	25	22.11
			50	0	22.15
	41190	2650	1	0	23.11
			1	24	23.13
			1	49	23.41
			25	0	22.14
			25	12	22.11
			25	25	22.14
			50	0	22.09
16QAM	40290	2560	1	0	22.03
			1	24	22.02
			1	49	22.31
			25	0	21.09
			25	12	21.08
			25	25	21.21
			50	0	21.14
	40740	2605	1	0	21.88
			1	24	22.13
			1	49	21.87
			25	0	21.21
			25	12	21.19
			25	25	21.20
			50	0	21.15
	41190	2650	1	0	22.06
			1	24	22.02
			1	49	22.31
			25	0	21.13
			25	12	21.07
			25	25	21.08
			50	0	21.11

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	23.06
			1	37	22.98
			1	74	23.14
			37	0	22.20
			37	18	22.15
			37	38	22.32
			75	0	22.28
	40740	2605	1	0	23.11
			1	37	23.24
			1	74	23.01
			37	0	21.94
			37	18	21.79
			37	38	21.82
			75	0	22.20
	41165	2647.5	1	0	23.07
			1	37	23.09
			1	74	23.19
			37	0	22.00
			37	18	22.14
			37	38	22.01
			75	0	22.26
16QAM	40315	2562.5	1	0	22.17
			1	37	22.33
			1	74	22.20
			37	0	22.33
			37	18	22.15
			37	38	22.20
			75	0	21.18
	40740	2605	1	0	21.79
			1	37	21.89
			1	74	21.79
			37	0	21.82
			37	18	21.94
			37	38	21.83
			75	0	21.14
	41165	2647.5	1	0	22.00
			1	37	22.01
			1	74	22.13
			37	0	22.01
			37	18	22.03
			37	38	22.11
			75	0	21.18

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	22.91
			1	49	22.86
			1	99	23.41
			50	0	22.01
			50	25	22.23
			50	50	22.01
			100	0	22.13
	40740	2605	1	0	22.83
			1	49	23.40
			1	99	22.94
			50	0	22.18
			50	25	22.09
			50	50	22.15
			100	0	22.09
	41140	2645	1	0	23.50
			1	49	23.01
			1	99	22.96
			50	0	22.07
			50	25	22.06
			50	50	22.20
			100	0	22.11
16QAM	40340	2565	1	0	22.05
			1	49	22.02
			1	99	22.56
			50	0	20.97
			50	25	20.99
			50	50	21.22
			100	0	21.07
	40740	2605	1	0	21.69
			1	49	22.15
			1	99	21.67
			50	0	21.13
			50	25	21.13
			50	50	21.14
			100	0	21.10
	41140	2645	1	0	21.80
			1	49	22.32
			1	99	21.80
			50	0	21.07
			50	25	21.05
			50	50	21.19
			100	0	21.10

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 : Apr.27, 2020 - May.29, 2020

Date of EUT Receive : Apr.26, 2020

Temperature: -30~50 °C

Relative Humidity: 41~48%

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, 2020	1 Year
SB5472/02	Bilog Antenna	Schwarzbeck	VULB9163	May.31, 2019	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Dec.17, 2019	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Feb.12, 2020	1 Year
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	Feb.14, 2020	1 Year
SB8501/02	Communication Test Unit	Rohde & Schwarz	CMU200	Nov.18, 2019	1 Year
SB12724/08	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	May.18, 2020	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	Nov.18, 2019	1 Year
SB9721/07	DC Power Supply	Agilent	66319D	--	--
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	Mar.24, 2020	1 Year
--	Test Software	Tonscend	JS1120-1 LTE	--	--
--	Test Software	Tonscend	JS-1120-3 WCDMA	--	--
--	Radiated Test Software	Rohde & Schwarz	EMC 32 8.50.0	--	--

5. TEST RESULTS

5.1. RF Output Power

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	32.97	-0.80	32.17	38.5	Pass
	190	836.6	32.99	-0.80	32.19	38.5	Pass
	251	848.8	32.51	-0.80	31.71	38.5	Pass
EGPRS850(8PSK)	128	824.2	28.57	-0.80	27.77	38.5	Pass
	190	836.6	28.49	-0.80	27.69	38.5	Pass
	251	848.8	28.84	-0.80	28.04	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	30.71	0.48	31.19	33	Pass
	661	1880	30.51	0.48	30.99	33	Pass
	810	1909.8	30.24	0.48	30.72	33	Pass
EGPRS1900(8PSK)	512	1850.2	26.77	0.48	27.25	33	Pass
	661	1880	26.83	0.48	27.31	33	Pass
	810	1909.8	26.74	0.48	27.22	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	23.50	-0.80	22.70	38.5	Pass
	4,182	836.4	23.20	-0.80	22.40	38.5	Pass
	4,233	846.6	23.10	-0.80	22.30	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	23.98	0.48	24.46	33	Pass
	9400	1880.0	24.18	0.48	24.66	33	Pass
	9538	1907.6	24.25	0.48	24.73	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	22.59	0.48	23.07	33	Pass
			1	3	22.81	0.48	23.29	33	Pass
			1	5	22.61	0.48	23.09	33	Pass
			3	0	22.62	0.48	23.1	33	Pass
			3	2	22.63	0.48	23.11	33	Pass
			3	3	22.65	0.48	23.13	33	Pass
			6	0	21.59	0.48	22.07	33	Pass
	18900	1880	1	0	22.44	0.48	22.92	33	Pass
			1	3	22.58	0.48	23.06	33	Pass
			1	5	22.45	0.48	22.93	33	Pass
			3	0	22.50	0.48	22.98	33	Pass
			3	2	22.55	0.48	23.03	33	Pass
			3	3	22.53	0.48	23.01	33	Pass
			6	0	21.49	0.48	21.97	33	Pass
	19193	1909.3	1	0	22.40	0.48	22.88	33	Pass
			1	3	22.36	0.48	22.84	33	Pass
			1	5	22.51	0.48	22.99	33	Pass
			3	0	22.46	0.48	22.94	33	Pass
			3	2	22.46	0.48	22.94	33	Pass
			3	3	22.49	0.48	22.97	33	Pass
			6	0	21.48	0.48	21.96	33	Pass
16QAM	18607	1850.7	1	0	21.35	0.48	21.83	33	Pass
			1	3	21.37	0.48	21.85	33	Pass
			1	5	21.53	0.48	22.01	33	Pass
			3	0	21.45	0.48	21.93	33	Pass
			3	2	21.45	0.48	21.93	33	Pass
			3	3	21.44	0.48	21.92	33	Pass
			6	0	20.47	0.48	20.95	33	Pass
	18900	1880	1	0	21.25	0.48	21.73	33	Pass
			1	3	21.30	0.48	21.78	33	Pass
			1	5	21.18	0.48	21.66	33	Pass
			3	0	21.28	0.48	21.76	33	Pass
			3	2	21.25	0.48	21.73	33	Pass
			3	3	21.28	0.48	21.76	33	Pass
			6	0	20.51	0.48	20.99	33	Pass
	19193	1909.3	1	0	21.32	0.48	21.8	33	Pass
			1	3	21.28	0.48	21.76	33	Pass
			1	5	21.43	0.48	21.91	33	Pass
			3	0	21.24	0.48	21.72	33	Pass
			3	2	21.25	0.48	21.73	33	Pass
			3	3	21.26	0.48	21.74	33	Pass
			6	0	20.53	0.48	21.01	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	22.89	0.48	23.37	33	Pass
			1	7	22.87	0.48	23.35	33	Pass
			1	14	22.87	0.48	23.35	33	Pass
			8	0	21.88	0.48	22.36	33	Pass
			8	4	21.87	0.48	22.35	33	Pass
			8	7	21.88	0.48	22.36	33	Pass
			15	0	21.83	0.48	22.31	33	Pass
	18900	1880	1	0	22.76	0.48	23.24	33	Pass
			1	7	22.79	0.48	23.27	33	Pass
			1	14	22.81	0.48	23.29	33	Pass
			8	0	21.71	0.48	22.19	33	Pass
			8	4	21.71	0.48	22.19	33	Pass
			8	7	21.67	0.48	22.15	33	Pass
			15	0	21.67	0.48	22.15	33	Pass
	19185	1908.5	1	0	22.68	0.48	23.16	33	Pass
			1	7	22.73	0.48	23.21	33	Pass
			1	14	22.68	0.48	23.16	33	Pass
			8	0	21.67	0.48	22.15	33	Pass
			8	4	21.68	0.48	22.16	33	Pass
			8	7	21.68	0.48	22.16	33	Pass
			15	0	21.61	0.48	22.09	33	Pass
16QAM	18615	1851.5	1	0	21.80	0.48	22.28	33	Pass
			1	7	21.83	0.48	22.31	33	Pass
			1	14	21.82	0.48	22.30	33	Pass
			8	0	20.88	0.48	21.36	33	Pass
			8	4	20.89	0.48	21.37	33	Pass
			8	7	20.87	0.48	21.35	33	Pass
			15	0	20.87	0.48	21.35	33	Pass
	18900	1880	1	0	21.50	0.48	21.98	33	Pass
			1	7	21.57	0.48	22.05	33	Pass
			1	14	21.56	0.48	22.04	33	Pass
			8	0	20.69	0.48	21.17	33	Pass
			8	4	20.67	0.48	21.15	33	Pass
			8	7	20.71	0.48	21.19	33	Pass
			15	0	20.59	0.48	21.07	33	Pass
	19185	1908.5	1	0	21.42	0.48	21.90	33	Pass
			1	7	21.40	0.48	21.88	33	Pass
			1	14	21.38	0.48	21.86	33	Pass
			8	0	20.66	0.48	21.14	33	Pass
			8	4	20.67	0.48	21.15	33	Pass
			8	7	20.66	0.48	21.14	33	Pass
			15	0	20.55	0.48	21.03	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	22.83	0.48	23.31	33	Pass
			1	12	22.92	0.48	23.40	33	Pass
			1	24	22.82	0.48	23.30	33	Pass
			12	0	21.85	0.48	22.33	33	Pass
			12	6	21.82	0.48	22.30	33	Pass
			12	13	21.81	0.48	22.29	33	Pass
			25	0	21.84	0.48	22.32	33	Pass
	18900	1880	1	0	22.70	0.48	23.18	33	Pass
			1	12	22.77	0.48	23.25	33	Pass
			1	24	22.67	0.48	23.15	33	Pass
			12	0	21.62	0.48	22.10	33	Pass
			12	6	21.67	0.48	22.15	33	Pass
			12	13	21.66	0.48	22.14	33	Pass
			25	0	21.67	0.48	22.15	33	Pass
	19175	1907.5	1	0	22.70	0.48	23.18	33	Pass
			1	12	22.68	0.48	23.16	33	Pass
			1	24	22.78	0.48	23.26	33	Pass
			12	0	21.63	0.48	22.11	33	Pass
			12	6	21.66	0.48	22.14	33	Pass
			12	13	21.59	0.48	22.07	33	Pass
			25	0	21.64	0.48	22.12	33	Pass
16QAM	18625	1852.5	1	0	21.79	0.48	22.27	33	Pass
			1	12	21.89	0.48	22.37	33	Pass
			1	24	21.77	0.48	22.25	33	Pass
			12	0	20.92	0.48	21.40	33	Pass
			12	6	20.92	0.48	21.40	33	Pass
			12	13	20.92	0.48	21.40	33	Pass
			25	0	20.86	0.48	21.34	33	Pass
	18900	1880	1	0	21.50	0.48	21.98	33	Pass
			1	12	21.62	0.48	22.10	33	Pass
			1	24	21.54	0.48	22.02	33	Pass
			12	0	20.70	0.48	21.18	33	Pass
			12	6	20.70	0.48	21.18	33	Pass
			12	13	20.72	0.48	21.20	33	Pass
			25	0	20.70	0.48	21.18	33	Pass
	19175	1907.5	1	0	21.61	0.48	22.09	33	Pass
			1	12	21.50	0.48	21.98	33	Pass
			1	24	21.52	0.48	22.00	33	Pass
			12	0	20.64	0.48	21.12	33	Pass
			12	6	20.66	0.48	21.14	33	Pass
			12	13	20.63	0.48	21.11	33	Pass
			25	0	20.70	0.48	21.18	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	22.94	0.48	23.42	33	Pass
			1	24	23.02	0.48	23.50	33	Pass
			1	49	22.95	0.48	23.43	33	Pass
			25	0	21.90	0.48	22.38	33	Pass
			25	12	21.94	0.48	22.42	33	Pass
			25	25	21.90	0.48	22.38	33	Pass
			50	0	21.92	0.48	22.40	33	Pass
	18900	1880	1	0	22.71	0.48	23.19	33	Pass
			1	24	22.78	0.48	23.26	33	Pass
			1	49	22.87	0.48	23.35	33	Pass
			25	0	21.74	0.48	22.22	33	Pass
			25	12	21.77	0.48	22.25	33	Pass
			25	25	21.69	0.48	22.17	33	Pass
			50	0	21.67	0.48	22.15	33	Pass
	19150	1905	1	0	22.67	0.48	23.15	33	Pass
			1	24	22.85	0.48	23.33	33	Pass
			1	49	22.73	0.48	23.21	33	Pass
			25	0	21.71	0.48	22.19	33	Pass
			25	12	21.75	0.48	22.23	33	Pass
			25	25	21.72	0.48	22.20	33	Pass
			50	0	21.72	0.48	22.20	33	Pass
16QAM	18650	1855	1	0	21.81	0.48	22.29	33	Pass
			1	24	21.65	0.48	22.13	33	Pass
			1	49	21.67	0.48	22.15	33	Pass
			25	0	20.98	0.48	21.46	33	Pass
			25	12	20.99	0.48	21.47	33	Pass
			25	25	20.97	0.48	21.45	33	Pass
			50	0	20.94	0.48	21.42	33	Pass
	18900	1880	1	0	21.46	0.48	21.94	33	Pass
			1	24	21.55	0.48	22.03	33	Pass
			1	49	21.42	0.48	21.90	33	Pass
			25	0	20.82	0.48	21.30	33	Pass
			25	12	20.73	0.48	21.21	33	Pass
			25	25	20.83	0.48	21.31	33	Pass
			50	0	20.73	0.48	21.21	33	Pass
	19150	1905	1	0	21.67	0.48	22.15	33	Pass
			1	24	21.75	0.48	22.23	33	Pass
			1	49	21.64	0.48	22.12	33	Pass
			25	0	20.74	0.48	21.22	33	Pass
			25	12	20.71	0.48	21.19	33	Pass
			25	25	20.73	0.48	21.21	33	Pass
			50	0	20.71	0.48	21.19	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	22.83	0.48	23.31	33	Pass
			1	37	22.69	0.48	23.17	33	Pass
			1	74	22.76	0.48	23.24	33	Pass
			37	0	21.81	0.48	22.29	33	Pass
			37	18	21.92	0.48	22.40	33	Pass
			37	38	21.80	0.48	22.28	33	Pass
			75	0	21.94	0.48	22.42	33	Pass
	18900	1880	1	0	22.71	0.48	23.19	33	Pass
			1	37	22.83	0.48	23.31	33	Pass
			1	74	22.66	0.48	23.14	33	Pass
			37	0	21.51	0.48	21.99	33	Pass
			37	18	21.34	0.48	21.82	33	Pass
			37	38	21.42	0.48	21.90	33	Pass
			75	0	21.78	0.48	22.26	33	Pass
	19125	1902.5	1	0	22.67	0.48	23.15	33	Pass
			1	37	22.78	0.48	23.26	33	Pass
			1	74	22.62	0.48	23.10	33	Pass
			37	0	21.71	0.48	22.19	33	Pass
			37	18	21.57	0.48	22.05	33	Pass
			37	38	21.64	0.48	22.12	33	Pass
			75	0	21.81	0.48	22.29	33	Pass
16QAM	18675	1857.5	1	0	21.91	0.48	22.39	33	Pass
			1	37	21.77	0.48	22.25	33	Pass
			1	74	21.79	0.48	22.27	33	Pass
			37	0	21.92	0.48	22.40	33	Pass
			37	18	21.80	0.48	22.28	33	Pass
			37	38	21.80	0.48	22.28	33	Pass
			75	0	20.95	0.48	21.43	33	Pass
	18900	1880	1	0	21.34	0.48	21.82	33	Pass
			1	37	21.53	0.48	22.01	33	Pass
			1	74	21.41	0.48	21.89	33	Pass
			37	0	21.38	0.48	21.86	33	Pass
			37	18	21.50	0.48	21.98	33	Pass
			37	38	21.35	0.48	21.83	33	Pass
			75	0	20.80	0.48	21.28	33	Pass
	19125	1902.5	1	0	21.53	0.48	22.01	33	Pass
			1	37	21.63	0.48	22.11	33	Pass
			1	74	21.72	0.48	22.20	33	Pass
			37	0	21.52	0.48	22.00	33	Pass
			37	18	21.69	0.48	22.17	33	Pass
			37	38	21.61	0.48	22.09	33	Pass
			75	0	20.75	0.48	21.23	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	23.00	0.48	23.48	33	Pass
			1	49	22.65	0.48	23.13	33	Pass
			1	99	22.63	0.48	23.11	33	Pass
			50	0	21.79	0.48	22.27	33	Pass
			50	25	21.81	0.48	22.29	33	Pass
			50	50	21.91	0.48	22.39	33	Pass
			100	0	21.83	0.48	22.31	33	Pass
	18900	1880	1	0	22.47	0.48	22.95	33	Pass
			1	49	22.52	0.48	23.00	33	Pass
			1	99	22.84	0.48	23.32	33	Pass
			50	0	21.76	0.48	22.24	33	Pass
			50	25	21.66	0.48	22.14	33	Pass
			50	50	21.77	0.48	22.25	33	Pass
			100	0	21.70	0.48	22.18	33	Pass
	19100	1900	1	0	22.52	0.48	23.00	33	Pass
			1	49	22.90	0.48	23.38	33	Pass
			1	99	22.51	0.48	22.99	33	Pass
			50	0	21.72	0.48	22.20	33	Pass
			50	25	21.72	0.48	22.20	33	Pass
			50	50	21.68	0.48	22.16	33	Pass
			100	0	21.70	0.48	22.18	33	Pass
16QAM	18700	1860	1	0	22.09	0.48	22.57	33	Pass
			1	49	21.65	0.48	22.13	33	Pass
			1	99	21.64	0.48	22.12	33	Pass
			50	0	20.83	0.48	21.31	33	Pass
			50	25	20.82	0.48	21.30	33	Pass
			50	50	20.94	0.48	21.42	33	Pass
			100	0	20.87	0.48	21.35	33	Pass
	18900	1880	1	0	21.21	0.48	21.69	33	Pass
			1	49	21.68	0.48	22.16	33	Pass
			1	99	21.29	0.48	21.77	33	Pass
			50	0	20.84	0.48	21.32	33	Pass
			50	25	20.82	0.48	21.30	33	Pass
			50	50	20.71	0.48	21.19	33	Pass
			100	0	20.72	0.48	21.20	33	Pass
	19100	1900	1	0	21.30	0.48	21.78	33	Pass
			1	49	21.65	0.48	22.13	33	Pass
			1	99	21.32	0.48	21.80	33	Pass
			50	0	20.70	0.48	21.18	33	Pass
			50	25	20.72	0.48	21.20	33	Pass
			50	50	20.72	0.48	21.20	33	Pass
			100	0	20.72	0.48	21.20	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	19957	1710.7	1	0	23.27	0.45	23.72	30	Pass
			1	3	23.11	0.45	23.56	30	Pass
			1	5	23.11	0.45	23.56	30	Pass
			3	0	23.12	0.45	23.57	30	Pass
			3	2	23.16	0.45	23.61	30	Pass
			3	3	23.15	0.45	23.60	30	Pass
			6	0	22.13	0.45	22.58	30	Pass
	20175	1732.5	1	0	23.02	0.45	23.47	30	Pass
			1	3	23.00	0.45	23.45	30	Pass
			1	5	23.16	0.45	23.61	30	Pass
			3	0	23.08	0.45	23.53	30	Pass
			3	2	23.06	0.45	23.51	30	Pass
			3	3	23.12	0.45	23.57	30	Pass
			6	0	22.10	0.45	22.55	30	Pass
	20393	1754.3	1	0	23.10	0.45	23.55	30	Pass
			1	3	23.08	0.45	23.53	30	Pass
			1	5	23.22	0.45	23.67	30	Pass
			3	0	23.10	0.45	23.55	30	Pass
			3	2	23.09	0.45	23.54	30	Pass
			3	3	23.11	0.45	23.56	30	Pass
			6	0	22.09	0.45	22.54	30	Pass
16QAM	19957	1710.7	1	0	21.79	0.45	22.24	30	Pass
			1	3	21.99	0.45	22.44	30	Pass
			1	5	21.80	0.45	22.25	30	Pass
			3	0	21.89	0.45	22.34	30	Pass
			3	2	21.89	0.45	22.34	30	Pass
			3	3	21.92	0.45	22.37	30	Pass
			6	0	21.13	0.45	21.58	30	Pass
	20175	1732.5	1	0	21.86	0.45	22.31	30	Pass
			1	3	21.90	0.45	22.35	30	Pass
			1	5	22.06	0.45	22.51	30	Pass
			3	0	21.87	0.45	22.32	30	Pass
			3	2	21.84	0.45	22.29	30	Pass
			3	3	21.88	0.45	22.33	30	Pass
			6	0	21.11	0.45	21.56	30	Pass
	20393	1754.3	1	0	21.85	0.45	22.30	30	Pass
			1	3	21.85	0.45	22.30	30	Pass
			1	5	21.97	0.45	22.42	30	Pass
			3	0	21.90	0.45	22.35	30	Pass
			3	2	21.92	0.45	22.37	30	Pass
			3	3	21.91	0.45	22.36	30	Pass
			6	0	20.99	0.45	21.44	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	19965	1711.5	1	0	23.18	0.45	23.63	30	Pass
			1	7	23.18	0.45	23.63	30	Pass
			1	14	23.14	0.45	23.59	30	Pass
			8	0	22.06	0.45	22.51	30	Pass
			8	4	22.05	0.45	22.50	30	Pass
			8	7	22.06	0.45	22.51	30	Pass
			15	0	22.03	0.45	22.48	30	Pass
	20175	1732.5	1	0	23.08	0.45	23.53	30	Pass
			1	7	23.08	0.45	23.53	30	Pass
			1	14	23.10	0.45	23.55	30	Pass
			8	0	22.04	0.45	22.49	30	Pass
			8	4	22.07	0.45	22.52	30	Pass
			8	7	22.06	0.45	22.51	30	Pass
			15	0	22.00	0.45	22.45	30	Pass
	20385	1753.5	1	0	23.06	0.45	23.51	30	Pass
			1	7	23.06	0.45	23.51	30	Pass
			1	14	23.07	0.45	23.52	30	Pass
			8	0	22.07	0.45	22.52	30	Pass
			8	4	22.03	0.45	22.48	30	Pass
			8	7	22.04	0.45	22.49	30	Pass
			15	0	22.00	0.45	22.45	30	Pass
16QAM	19965	1711.5	1	0	21.95	0.45	22.40	30	Pass
			1	7	21.92	0.45	22.37	30	Pass
			1	14	21.93	0.45	22.38	30	Pass
			8	0	21.07	0.45	21.52	30	Pass
			8	4	21.08	0.45	21.53	30	Pass
			8	7	21.11	0.45	21.56	30	Pass
			15	0	21.01	0.45	21.46	30	Pass
	20175	1732.5	1	0	21.82	0.45	22.27	30	Pass
			1	7	21.80	0.45	22.25	30	Pass
			1	14	21.77	0.45	22.22	30	Pass
			8	0	21.05	0.45	21.50	30	Pass
			8	4	21.06	0.45	21.51	30	Pass
			8	7	21.08	0.45	21.53	30	Pass
			15	0	20.95	0.45	21.40	30	Pass
	20385	1753.5	1	0	22.01	0.45	22.46	30	Pass
			1	7	22.02	0.45	22.47	30	Pass
			1	14	22.04	0.45	22.49	30	Pass
			8	0	21.12	0.45	21.57	30	Pass
			8	4	21.11	0.45	21.56	30	Pass
			8	7	21.08	0.45	21.53	30	Pass
			15	0	21.09	0.45	21.54	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	19975	1712.5	1	0	23.04	0.45	23.49	30	Pass
			1	12	23.16	0.45	23.61	30	Pass
			1	24	23.04	0.45	23.49	30	Pass
			12	0	22.04	0.45	22.49	30	Pass
			12	6	22.08	0.45	22.53	30	Pass
			12	13	22.03	0.45	22.48	30	Pass
			25	0	22.09	0.45	22.54	30	Pass
	20175	1732.5	1	0	23.03	0.45	23.48	30	Pass
			1	12	23.17	0.45	23.62	30	Pass
			1	24	23.03	0.45	23.48	30	Pass
			12	0	21.99	0.45	22.44	30	Pass
			12	6	22.00	0.45	22.45	30	Pass
			12	13	22.04	0.45	22.49	30	Pass
			25	0	22.06	0.45	22.51	30	Pass
	20375	1752.5	1	0	23.16	0.45	23.61	30	Pass
			1	12	23.06	0.45	23.51	30	Pass
			1	24	23.06	0.45	23.51	30	Pass
			12	0	22.03	0.45	22.48	30	Pass
			12	6	21.98	0.45	22.43	30	Pass
			12	13	22.03	0.45	22.48	30	Pass
			25	0	22.07	0.45	22.52	30	Pass
16QAM	19975	1712.5	1	0	22.03	0.45	22.48	30	Pass
			1	12	22.15	0.45	22.60	30	Pass
			1	24	22.05	0.45	22.50	30	Pass
			12	0	21.11	0.45	21.56	30	Pass
			12	6	21.14	0.45	21.59	30	Pass
			12	13	21.20	0.45	21.65	30	Pass
			25	0	21.09	0.45	21.54	30	Pass
	20175	1732.5	1	0	22.01	0.45	22.46	30	Pass
			1	12	21.86	0.45	22.31	30	Pass
			1	24	21.87	0.45	22.32	30	Pass
			12	0	21.10	0.45	21.55	30	Pass
			12	6	21.12	0.45	21.57	30	Pass
			12	13	21.09	0.45	21.54	30	Pass
			25	0	21.12	0.45	21.57	30	Pass
	20375	1752.5	1	0	21.99	0.45	22.44	30	Pass
			1	12	21.91	0.45	22.36	30	Pass
			1	24	21.92	0.45	22.37	30	Pass
			12	0	21.06	0.45	21.51	30	Pass
			12	6	21.06	0.45	21.51	30	Pass
			12	13	21.09	0.45	21.54	30	Pass
			25	0	21.09	0.45	21.54	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	20000	1715	1	0	23.13	0.45	23.58	30	Pass
			1	24	23.24	0.45	23.69	30	Pass
			1	49	23.14	0.45	23.59	30	Pass
			25	0	22.10	0.45	22.55	30	Pass
			25	12	22.17	0.45	22.62	30	Pass
			25	25	22.13	0.45	22.58	30	Pass
			50	0	22.15	0.45	22.60	30	Pass
	20175	1732.5	1	0	23.20	0.45	23.65	30	Pass
			1	24	23.07	0.45	23.52	30	Pass
			1	49	23.05	0.45	23.50	30	Pass
			25	0	22.14	0.45	22.59	30	Pass
			25	12	22.09	0.45	22.54	30	Pass
			25	25	22.12	0.45	22.57	30	Pass
			50	0	22.09	0.45	22.54	30	Pass
	20350	1775	1	0	23.01	0.45	23.46	30	Pass
			1	24	23.08	0.45	23.53	30	Pass
			1	49	23.22	0.45	23.67	30	Pass
			25	0	22.12	0.45	22.57	30	Pass
			25	12	22.13	0.45	22.58	30	Pass
			25	25	22.06	0.45	22.51	30	Pass
			50	0	22.09	0.45	22.54	30	Pass
16QAM	20350	1715	1	0	21.90	0.45	22.35	30	Pass
			1	24	22.04	0.45	22.49	30	Pass
			1	49	21.93	0.45	22.38	30	Pass
			25	0	21.18	0.45	21.63	30	Pass
			25	12	21.25	0.45	21.70	30	Pass
			25	25	21.19	0.45	21.64	30	Pass
			50	0	21.22	0.45	21.67	30	Pass
	20175	1732.5	1	0	21.78	0.45	22.23	30	Pass
			1	24	21.88	0.45	22.33	30	Pass
			1	49	21.79	0.45	22.24	30	Pass
			25	0	21.24	0.45	21.69	30	Pass
			25	12	21.13	0.45	21.58	30	Pass
			25	25	21.22	0.45	21.67	30	Pass
			50	0	21.12	0.45	21.57	30	Pass
	20350	1750	1	0	21.99	0.45	22.44	30	Pass
			1	24	22.15	0.45	22.60	30	Pass
			1	49	21.99	0.45	22.44	30	Pass
			25	0	21.08	0.45	21.53	30	Pass
			25	12	21.15	0.45	21.60	30	Pass
			25	25	21.16	0.45	21.61	30	Pass
			50	0	21.09	0.45	21.54	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	20025	1717.5	1	0	23.13	0.45	23.58	30	Pass
			1	37	22.94	0.45	23.69	30	Pass
			1	74	22.97	0.45	23.59	30	Pass
			37	0	22.05	0.45	22.55	30	Pass
			37	18	22.05	0.45	22.62	30	Pass
			37	38	22.19	0.45	22.58	30	Pass
			75	0	22.18	0.45	22.60	30	Pass
	20175	1732.5	1	0	23.04	0.45	23.65	30	Pass
			1	37	23.05	0.45	23.52	30	Pass
			1	74	23.17	0.45	23.50	30	Pass
			37	0	21.86	0.45	22.59	30	Pass
			37	18	21.74	0.45	22.54	30	Pass
			37	38	21.74	0.45	22.57	30	Pass
			75	0	22.14	0.45	22.54	30	Pass
	20325	1747.5	1	0	23.00	0.45	23.46	30	Pass
			1	37	23.15	0.45	23.53	30	Pass
			1	74	22.99	0.45	23.67	30	Pass
			37	0	22.09	0.45	22.57	30	Pass
			37	18	21.93	0.45	22.58	30	Pass
			37	38	21.94	0.45	22.51	30	Pass
			75	0	22.14	0.45	22.54	30	Pass
16QAM	20025	1717.5	1	0	22.04	0.45	22.35	30	Pass
			1	37	22.18	0.45	22.49	30	Pass
			1	74	22.07	0.45	22.38	30	Pass
			37	0	22.08	0.45	21.63	30	Pass
			37	18	22.21	0.45	21.70	30	Pass
			37	38	22.08	0.45	21.64	30	Pass
			75	0	21.19	0.45	21.67	30	Pass
	20175	1732.5	1	0	21.72	0.45	22.23	30	Pass
			1	37	21.73	0.45	22.33	30	Pass
			1	74	21.84	0.45	22.24	30	Pass
			37	0	21.71	0.45	21.69	30	Pass
			37	18	21.80	0.45	21.58	30	Pass
			37	38	21.72	0.45	21.67	30	Pass
			75	0	21.14	0.45	21.57	30	Pass
	20325	1747.5	1	0	22.09	0.45	22.44	30	Pass
			1	37	21.98	0.45	22.60	30	Pass
			1	74	21.90	0.45	22.44	30	Pass
			37	0	22.07	0.45	21.53	30	Pass
			37	18	21.96	0.45	21.60	30	Pass
			37	38	21.92	0.45	21.61	30	Pass
			75	0	21.12	0.45	21.54	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	20050	1720	1	0	23.26	0.45	23.71	30	Pass
			1	49	22.92	0.45	23.37	30	Pass
			1	99	22.85	0.45	23.30	30	Pass
			50	0	22.11	0.45	22.56	30	Pass
			50	25	22.03	0.45	22.48	30	Pass
			50	50	22.06	0.45	22.51	30	Pass
			100	0	22.07	0.45	22.52	30	Pass
	20175	1732.5	1	0	22.78	0.45	23.23	30	Pass
			1	49	23.17	0.45	23.62	30	Pass
			1	99	22.85	0.45	23.30	30	Pass
			50	0	22.09	0.45	22.54	30	Pass
			50	25	22.06	0.45	22.51	30	Pass
			50	50	22.06	0.45	22.51	30	Pass
			100	0	22.02	0.45	22.47	30	Pass
	20300	1745	1	0	22.80	0.45	23.25	30	Pass
			1	49	23.23	0.45	23.68	30	Pass
			1	99	22.89	0.45	23.34	30	Pass
			50	0	22.07	0.45	22.52	30	Pass
			50	25	22.06	0.45	22.51	30	Pass
			50	50	21.99	0.45	22.44	30	Pass
			100	0	21.98	0.45	22.43	30	Pass
16QAM	20050	1720	1	0	22.37	0.45	22.82	30	Pass
			1	49	21.94	0.45	22.39	30	Pass
			1	99	21.97	0.45	22.42	30	Pass
			50	0	21.13	0.45	21.58	30	Pass
			50	25	21.18	0.45	21.63	30	Pass
			50	50	21.13	0.45	21.58	30	Pass
			100	0	21.14	0.45	21.59	30	Pass
	20175	1732.5	1	0	21.57	0.45	22.02	30	Pass
			1	49	21.95	0.45	22.40	30	Pass
			1	99	21.66	0.45	22.11	30	Pass
			50	0	21.21	0.45	21.66	30	Pass
			50	25	21.19	0.45	21.64	30	Pass
			50	50	21.14	0.45	21.59	30	Pass
			100	0	21.11	0.45	21.56	30	Pass
	20300	1745	1	0	21.71	0.45	22.16	30	Pass
			1	49	22.09	0.45	22.54	30	Pass
			1	99	21.64	0.45	22.09	30	Pass
			50	0	21.04	0.45	21.49	30	Pass
			50	25	21.10	0.45	21.55	30	Pass
			50	50	21.11	0.45	21.56	30	Pass
			100	0	21.04	0.45	21.49	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	22.87	-0.80	19.92	38.5	Pass
			1	3	22.89	-0.80	19.94	38.5	Pass
			1	5	22.99	-0.80	20.04	38.5	Pass
			3	0	22.91	-0.80	19.96	38.5	Pass
			3	2	22.91	-0.80	19.96	38.5	Pass
			3	3	22.91	-0.80	19.96	38.5	Pass
			6	0	21.86	-0.80	18.91	38.5	Pass
	20525	836.5	1	0	22.83	-0.80	19.88	38.5	Pass
			1	3	22.93	-0.80	19.98	38.5	Pass
			1	5	22.82	-0.80	19.87	38.5	Pass
			3	0	22.87	-0.80	19.92	38.5	Pass
			3	2	22.87	-0.80	19.92	38.5	Pass
			3	3	22.94	-0.80	19.99	38.5	Pass
			6	0	21.84	-0.80	18.89	38.5	Pass
	20643	848.3	1	0	22.80	-0.80	19.85	38.5	Pass
			1	3	22.73	-0.80	19.78	38.5	Pass
			1	5	22.93	-0.80	19.98	38.5	Pass
			3	0	22.90	-0.80	19.95	38.5	Pass
			3	2	22.87	-0.80	19.92	38.5	Pass
			3	3	22.85	-0.80	19.90	38.5	Pass
			6	0	21.86	-0.80	18.91	38.5	Pass
16QAM	20407	824.7	1	0	21.67	-0.80	18.72	38.5	Pass
			1	3	21.87	-0.80	18.92	38.5	Pass
			1	5	21.70	-0.80	18.75	38.5	Pass
			3	0	21.70	-0.80	18.75	38.5	Pass
			3	2	21.68	-0.80	18.73	38.5	Pass
			3	3	21.69	-0.80	18.74	38.5	Pass
			6	0	20.75	-0.80	17.80	38.5	Pass
	20525	836.5	1	0	21.63	-0.80	18.68	38.5	Pass
			1	3	21.50	-0.80	18.55	38.5	Pass
			1	5	21.55	-0.80	18.60	38.5	Pass
			3	0	21.63	-0.80	18.68	38.5	Pass
			3	2	21.65	-0.80	18.70	38.5	Pass
			3	3	21.62	-0.80	18.67	38.5	Pass
			6	0	20.87	-0.80	17.92	38.5	Pass
	20643	848.3	1	0	21.61	-0.80	18.66	38.5	Pass
			1	3	21.80	-0.80	18.85	38.5	Pass
			1	5	21.66	-0.80	18.71	38.5	Pass
			3	0	21.67	-0.80	18.72	38.5	Pass
			3	2	21.65	-0.80	18.70	38.5	Pass
			3	3	21.65	-0.80	18.70	38.5	Pass
			6	0	20.86	-0.80	17.91	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	23.02	-0.80	20.07	38.5	Pass
			1	7	23.05	-0.80	20.10	38.5	Pass
			1	14	23.06	-0.80	20.11	38.5	Pass
			8	0	22.00	-0.80	19.05	38.5	Pass
			8	4	22.00	-0.80	19.05	38.5	Pass
			8	7	21.99	-0.80	19.04	38.5	Pass
			15	0	21.96	-0.80	19.01	38.5	Pass
	20525	836.5	1	0	22.96	-0.80	20.01	38.5	Pass
			1	7	22.98	-0.80	20.03	38.5	Pass
			1	14	23.03	-0.80	20.08	38.5	Pass
			8	0	21.86	-0.80	18.91	38.5	Pass
			8	4	21.88	-0.80	18.93	38.5	Pass
			8	7	21.90	-0.80	18.95	38.5	Pass
			15	0	21.90	-0.80	18.95	38.5	Pass
	20635	847.5	1	0	22.91	-0.80	19.96	38.5	Pass
			1	7	22.98	-0.80	20.03	38.5	Pass
			1	14	22.93	-0.80	19.98	38.5	Pass
			8	0	21.93	-0.80	18.98	38.5	Pass
			8	4	21.90	-0.80	18.95	38.5	Pass
			8	7	21.95	-0.80	19.00	38.5	Pass
			15	0	21.86	-0.80	18.91	38.5	Pass
16QAM	20415	825.5	1	0	21.95	-0.80	19.00	38.5	Pass
			1	7	21.99	-0.80	19.04	38.5	Pass
			1	14	22.01	-0.80	19.06	38.5	Pass
			8	0	21.08	-0.80	18.13	38.5	Pass
			8	4	21.07	-0.80	18.12	38.5	Pass
			8	7	21.06	-0.80	18.11	38.5	Pass
			15	0	21.03	-0.80	18.08	38.5	Pass
	20525	836.5	1	0	21.77	-0.80	18.82	38.5	Pass
			1	7	21.77	-0.80	18.82	38.5	Pass
			1	14	21.79	-0.80	18.84	38.5	Pass
			8	0	20.94	-0.80	17.99	38.5	Pass
			8	4	20.93	-0.80	17.98	38.5	Pass
			8	7	20.93	-0.80	17.98	38.5	Pass
			15	0	20.88	-0.80	17.93	38.5	Pass
	20635	847.5	1	0	21.72	-0.80	18.77	38.5	Pass
			1	7	21.61	-0.80	18.66	38.5	Pass
			1	14	21.64	-0.80	18.69	38.5	Pass
			8	0	20.96	-0.80	18.01	38.5	Pass
			8	4	20.96	-0.80	18.01	38.5	Pass
			8	7	20.96	-0.80	18.01	38.5	Pass
			15	0	20.83	-0.80	17.88	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	23.02	-0.80	20.07	38.5	Pass
			1	12	22.87	-0.80	19.92	38.5	Pass
			1	24	22.94	-0.80	19.99	38.5	Pass
			12	0	21.86	-0.80	18.91	38.5	Pass
			12	6	21.95	-0.80	19.00	38.5	Pass
			12	13	21.86	-0.80	18.91	38.5	Pass
			25	0	21.95	-0.80	19.00	38.5	Pass
	20525	836.5	1	0	22.91	-0.80	19.96	38.5	Pass
			1	12	22.86	-0.80	19.91	38.5	Pass
			1	24	22.93	-0.80	19.98	38.5	Pass
			12	0	21.83	-0.80	18.88	38.5	Pass
			12	6	21.81	-0.80	18.86	38.5	Pass
			12	13	21.83	-0.80	18.88	38.5	Pass
			25	0	21.88	-0.80	18.93	38.5	Pass
	20625	846.5	1	0	22.94	-0.80	19.99	38.5	Pass
			1	12	22.84	-0.80	19.89	38.5	Pass
			1	24	22.91	-0.80	19.96	38.5	Pass
			12	0	21.84	-0.80	18.89	38.5	Pass
			12	6	21.83	-0.80	18.88	38.5	Pass
			12	13	21.65	-0.80	18.70	38.5	Pass
			25	0	21.79	-0.80	18.84	38.5	Pass
16QAM	20425	826.5	1	0	21.93	-0.80	18.98	38.5	Pass
			1	12	22.07	-0.80	19.12	38.5	Pass
			1	24	21.98	-0.80	19.03	38.5	Pass
			12	0	21.01	-0.80	18.06	38.5	Pass
			12	6	21.02	-0.80	18.07	38.5	Pass
			12	13	21.09	-0.80	18.14	38.5	Pass
			25	0	20.98	-0.80	18.03	38.5	Pass
	20525	836.5	1	0	21.73	-0.80	18.78	38.5	Pass
			1	12	21.71	-0.80	18.76	38.5	Pass
			1	24	21.79	-0.80	18.84	38.5	Pass
			12	0	20.89	-0.80	17.94	38.5	Pass
			12	6	20.98	-0.80	18.03	38.5	Pass
			12	13	20.90	-0.80	17.95	38.5	Pass
			25	0	20.95	-0.80	18.00	38.5	Pass
	20625	846.5	1	0	21.72	-0.80	18.77	38.5	Pass
			1	12	21.85	-0.80	18.90	38.5	Pass
			1	24	21.82	-0.80	18.87	38.5	Pass
			12	0	20.87	-0.80	17.92	38.5	Pass
			12	6	20.75	-0.80	17.80	38.5	Pass
			12	13	20.88	-0.80	17.93	38.5	Pass
			25	0	20.86	-0.80	17.91	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	22.89	-0.80	19.94	38.5	Pass
			1	24	23.05	-0.80	20.10	38.5	Pass
			1	49	22.91	-0.80	19.96	38.5	Pass
			25	0	21.89	-0.80	18.94	38.5	Pass
			25	12	21.91	-0.80	18.96	38.5	Pass
			25	25	21.98	-0.80	19.03	38.5	Pass
			50	0	21.91	-0.80	18.96	38.5	Pass
	20525	836.5	1	0	22.92	-0.80	19.97	38.5	Pass
			1	24	22.94	-0.80	19.99	38.5	Pass
			1	49	23.03	-0.80	20.08	38.5	Pass
			25	0	21.94	-0.80	18.99	38.5	Pass
			25	12	21.89	-0.80	18.94	38.5	Pass
			25	25	21.94	-0.80	18.99	38.5	Pass
			50	0	21.90	-0.80	18.95	38.5	Pass
	20600	844	1	0	22.87	-0.80	19.92	38.5	Pass
			1	24	22.91	-0.80	19.96	38.5	Pass
			1	49	22.84	-0.80	19.89	38.5	Pass
			25	0	21.59	-0.80	18.64	38.5	Pass
			25	12	21.82	-0.80	18.87	38.5	Pass
			25	25	21.83	-0.80	18.88	38.5	Pass
			50	0	21.72	-0.80	18.77	38.5	Pass
16QAM	20450	829	1	0	21.89	-0.80	18.94	38.5	Pass
			1	24	21.70	-0.80	18.75	38.5	Pass
			1	49	21.69	-0.80	18.74	38.5	Pass
			25	0	21.09	-0.80	18.14	38.5	Pass
			25	12	20.96	-0.80	18.01	38.5	Pass
			25	25	20.93	-0.80	17.98	38.5	Pass
			50	0	20.99	-0.80	18.04	38.5	Pass
	20525	836.5	1	0	21.64	-0.80	18.69	38.5	Pass
			1	24	21.67	-0.80	18.72	38.5	Pass
			1	49	21.61	-0.80	18.66	38.5	Pass
			25	0	21.01	-0.80	18.06	38.5	Pass
			25	12	21.07	-0.80	18.12	38.5	Pass
			25	25	20.96	-0.80	18.01	38.5	Pass
			50	0	20.98	-0.80	18.03	38.5	Pass
	20600	844	1	0	21.83	-0.80	18.88	38.5	Pass
			1	24	21.90	-0.80	18.95	38.5	Pass
			1	49	21.80	-0.80	18.85	38.5	Pass
			25	0	20.89	-0.80	17.94	38.5	Pass
			25	12	20.86	-0.80	17.91	38.5	Pass
			25	25	20.64	-0.80	17.69	38.5	Pass
			50	0	20.75	-0.80	17.80	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	22.56	1.30	23.86	33	Pass
			1	12	22.62	1.30	23.92	33	Pass
			1	24	22.69	1.30	23.99	33	Pass
			12	0	21.70	1.30	23.00	33	Pass
			12	6	21.73	1.30	23.03	33	Pass
			12	13	21.75	1.30	23.05	33	Pass
			25	0	21.74	1.30	23.04	33	Pass
	21100	2535	1	0	22.69	1.30	23.99	33	Pass
			1	12	22.55	1.30	23.85	33	Pass
			1	24	22.62	1.30	23.92	33	Pass
			12	0	21.66	1.30	22.96	33	Pass
			12	6	21.66	1.30	22.96	33	Pass
			12	13	21.68	1.30	22.98	33	Pass
			25	0	21.61	1.30	22.91	33	Pass
	21425	2567.5	1	0	22.76	1.30	24.06	33	Pass
			1	12	22.62	1.30	23.92	33	Pass
			1	24	22.63	1.30	23.93	33	Pass
			12	0	21.60	1.30	22.90	33	Pass
			12	6	21.61	1.30	22.91	33	Pass
			12	13	21.58	1.30	22.88	33	Pass
			25	0	21.63	1.30	22.93	33	Pass
16QAM	20775	2502.5	1	0	21.77	1.30	23.07	33	Pass
			1	12	21.65	1.30	22.95	33	Pass
			1	24	21.65	1.30	22.95	33	Pass
			12	0	20.77	1.30	22.07	33	Pass
			12	6	20.73	1.30	22.03	33	Pass
			12	13	20.75	1.30	22.05	33	Pass
			25	0	20.66	1.30	21.96	33	Pass
	21100	2535	1	0	21.50	1.30	22.80	33	Pass
			1	12	21.61	1.30	22.91	33	Pass
			1	24	21.54	1.30	22.84	33	Pass
			12	0	20.65	1.30	21.95	33	Pass
			12	6	20.69	1.30	21.99	33	Pass
			12	13	20.66	1.30	21.96	33	Pass
			25	0	20.69	1.30	21.99	33	Pass
	21425	2567.5	1	0	21.43	1.30	22.73	33	Pass
			1	12	21.48	1.30	22.78	33	Pass
			1	24	21.60	1.30	22.90	33	Pass
			12	0	20.54	1.30	21.84	33	Pass
			12	6	20.54	1.30	21.84	33	Pass
			12	13	20.53	1.30	21.83	33	Pass
			25	0	20.55	1.30	21.85	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	22.69	1.30	23.99	33	Pass
			1	24	22.67	1.30	23.97	33	Pass
			1	49	22.70	1.30	24.00	33	Pass
			25	0	21.78	1.30	23.08	33	Pass
			25	12	21.79	1.30	23.09	33	Pass
			25	25	21.77	1.30	23.07	33	Pass
			50	0	21.77	1.30	23.07	33	Pass
	21100	2535	1	0	22.60	1.30	23.90	33	Pass
			1	24	22.64	1.30	23.94	33	Pass
			1	49	22.76	1.30	24.06	33	Pass
			25	0	21.70	1.30	23.00	33	Pass
			25	12	21.73	1.30	23.03	33	Pass
			25	25	21.74	1.30	23.04	33	Pass
			50	0	21.71	1.30	23.01	33	Pass
	21400	2565	1	0	22.64	1.30	23.94	33	Pass
			1	24	22.75	1.30	24.05	33	Pass
			1	49	22.60	1.30	23.90	33	Pass
			25	0	21.70	1.30	23.00	33	Pass
			25	12	21.62	1.30	22.92	33	Pass
			25	25	21.58	1.30	22.88	33	Pass
			50	0	21.63	1.30	22.93	33	Pass
16QAM	20800	2505	1	0	21.51	1.30	22.81	33	Pass
			1	24	21.65	1.30	22.95	33	Pass
			1	49	21.50	1.30	22.80	33	Pass
			25	0	20.72	1.30	22.02	33	Pass
			25	12	20.72	1.30	22.02	33	Pass
			25	25	20.68	1.30	21.98	33	Pass
			50	0	20.75	1.30	22.05	33	Pass
	21100	2535	1	0	21.52	1.30	22.82	33	Pass
			1	24	21.44	1.30	22.74	33	Pass
			1	49	21.37	1.30	22.67	33	Pass
			25	0	20.71	1.30	22.01	33	Pass
			25	12	20.73	1.30	22.03	33	Pass
			25	25	20.71	1.30	22.01	33	Pass
			50	0	20.67	1.30	21.97	33	Pass
	21400	2565	1	0	21.55	1.30	22.85	33	Pass
			1	24	21.65	1.30	22.95	33	Pass
			1	49	21.55	1.30	22.85	33	Pass
			25	0	20.59	1.30	21.89	33	Pass
			25	12	20.51	1.30	21.81	33	Pass
			25	25	20.51	1.30	21.81	33	Pass
			50	0	20.53	1.30	21.83	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	22.63	1.30	23.93	33	Pass
			1	37	22.53	1.30	23.83	33	Pass
			1	74	21.75	1.30	23.05	33	Pass
			37	0	21.69	1.30	22.99	33	Pass
			37	18	21.71	1.30	23.01	33	Pass
			37	38	21.82	1.30	23.12	33	Pass
			75	0	21.87	1.30	23.17	33	Pass
	21100	2535	1	0	22.55	1.30	23.85	33	Pass
			1	37	22.64	1.30	23.94	33	Pass
			1	74	22.51	1.30	23.81	33	Pass
			37	0	21.33	1.30	22.63	33	Pass
			37	18	21.47	1.30	22.77	33	Pass
			37	38	21.31	1.30	22.61	33	Pass
			75	0	21.75	1.30	23.05	33	Pass
	21375	2562.5	1	0	22.46	1.30	23.76	33	Pass
			1	37	22.60	1.30	23.90	33	Pass
			1	74	22.57	1.30	23.87	33	Pass
			37	0	21.51	1.30	22.81	33	Pass
			37	18	21.57	1.30	22.87	33	Pass
			37	38	21.45	1.30	22.75	33	Pass
			75	0	21.78	1.30	23.08	33	Pass
16QAM	20825	2507.5	1	0	21.82	1.30	23.12	33	Pass
			1	37	21.67	1.30	22.97	33	Pass
			1	74	21.66	1.30	22.96	33	Pass
			37	0	21.70	1.30	23.00	33	Pass
			37	18	21.79	1.30	23.09	33	Pass
			37	38	21.67	1.30	22.97	33	Pass
			75	0	20.78	1.30	22.08	33	Pass
	21100	2535	1	0	21.34	1.30	22.64	33	Pass
			1	37	21.33	1.30	22.63	33	Pass
			1	74	21.45	1.30	22.75	33	Pass
			37	0	21.32	1.30	22.62	33	Pass
			37	18	21.49	1.30	22.79	33	Pass
			37	38	21.32	1.30	22.62	33	Pass
			75	0	20.66	1.30	21.96	33	Pass
	21375	2562.5	1	0	21.55	1.30	22.85	33	Pass
			1	37	21.47	1.30	22.77	33	Pass
			1	74	21.46	1.30	22.76	33	Pass
			37	0	21.46	1.30	22.76	33	Pass
			37	18	21.51	1.30	22.81	33	Pass
			37	38	21.56	1.30	22.86	33	Pass
			75	0	20.62	1.30	21.92	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	22.36	1.30	23.66	33	Pass
			1	49	22.42	1.30	23.72	33	Pass
			1	99	22.84	1.30	24.14	33	Pass
			50	0	21.68	1.30	22.98	33	Pass
			50	25	21.65	1.30	22.95	33	Pass
			50	50	21.74	1.30	23.04	33	Pass
			100	0	21.67	1.30	22.97	33	Pass
	21100	2535	1	0	22.30	1.30	23.60	33	Pass
			1	49	22.67	1.30	23.97	33	Pass
			1	99	22.31	1.30	23.61	33	Pass
			50	0	21.59	1.30	22.89	33	Pass
			50	25	21.64	1.30	22.94	33	Pass
			50	50	21.61	1.30	22.91	33	Pass
			100	0	21.61	1.30	22.91	33	Pass
	21350	2560	1	0	22.84	1.30	24.14	33	Pass
			1	49	22.35	1.30	23.65	33	Pass
			1	99	22.47	1.30	23.77	33	Pass
			50	0	21.58	1.30	22.88	33	Pass
			50	25	21.66	1.30	22.96	33	Pass
			50	50	21.57	1.30	22.87	33	Pass
			100	0	21.61	1.30	22.91	33	Pass
16QAM	20850	2510	1	0	21.52	1.30	22.82	33	Pass
			1	49	21.55	1.30	22.85	33	Pass
			1	99	21.91	1.30	23.21	33	Pass
			50	0	20.72	1.30	22.02	33	Pass
			50	25	20.66	1.30	21.96	33	Pass
			50	50	20.64	1.30	21.94	33	Pass
			100	0	20.64	1.30	21.94	33	Pass
	21100	2535	1	0	21.19	1.30	22.49	33	Pass
			1	49	21.57	1.30	22.87	33	Pass
			1	99	21.17	1.30	22.47	33	Pass
			50	0	20.63	1.30	21.93	33	Pass
			50	25	20.67	1.30	21.97	33	Pass
			50	50	20.64	1.30	21.94	33	Pass
			100	0	20.56	1.30	21.86	33	Pass
	21350	2560	1	0	21.26	1.30	22.56	33	Pass
			1	49	21.25	1.30	22.55	33	Pass
			1	99	21.54	1.30	22.84	33	Pass
			50	0	20.51	1.30	21.81	33	Pass
			50	25	20.45	1.30	21.75	33	Pass
			50	50	20.54	1.30	21.84	33	Pass
			100	0	20.51	1.30	21.81	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	23.44	-1.1	20.19	34.77	Pass
			1	3	23.54	-1.1	20.29	34.77	Pass
			1	5	23.41	-1.1	20.16	34.77	Pass
			3	0	23.44	-1.1	20.19	34.77	Pass
			3	2	23.41	-1.1	20.16	34.77	Pass
			3	3	23.46	-1.1	20.21	34.77	Pass
			6	0	22.48	-1.1	19.23	34.77	Pass
	23095	707.5	1	0	23.48	-1.1	20.23	34.77	Pass
			1	3	23.29	-1.1	20.04	34.77	Pass
			1	5	23.32	-1.1	20.07	34.77	Pass
			3	0	23.42	-1.1	20.17	34.77	Pass
			3	2	23.42	-1.1	20.17	34.77	Pass
			3	3	23.40	-1.1	20.15	34.77	Pass
			6	0	22.46	-1.1	19.21	34.77	Pass
	23173	715.3	1	0	23.24	-1.1	19.99	34.77	Pass
			1	3	23.41	-1.1	20.16	34.77	Pass
			1	5	23.30	-1.1	20.05	34.77	Pass
			3	0	23.34	-1.1	20.09	34.77	Pass
			3	2	23.35	-1.1	20.10	34.77	Pass
			3	3	23.38	-1.1	20.13	34.77	Pass
			6	0	22.47	-1.1	19.22	34.77	Pass
16QAM	23017	699.7	1	0	22.40	-1.1	19.15	34.77	Pass
			1	3	22.25	-1.1	19.00	34.77	Pass
			1	5	22.21	-1.1	18.96	34.77	Pass
			3	0	22.36	-1.1	19.11	34.77	Pass
			3	2	22.34	-1.1	19.09	34.77	Pass
			3	3	22.34	-1.1	19.09	34.77	Pass
			6	0	21.33	-1.1	18.08	34.77	Pass
	23095	707.5	1	0	22.24	-1.1	18.99	34.77	Pass
			1	3	22.13	-1.1	18.88	34.77	Pass
			1	5	22.16	-1.1	18.91	34.77	Pass
			3	0	22.22	-1.1	18.97	34.77	Pass
			3	2	22.27	-1.1	19.02	34.77	Pass
			3	3	22.21	-1.1	18.96	34.77	Pass
			6	0	21.39	-1.1	18.14	34.77	Pass
	23173	715.3	1	0	22.22	-1.1	18.97	34.77	Pass
			1	3	22.43	-1.1	19.18	34.77	Pass
			1	5	22.21	-1.1	18.96	34.77	Pass
			3	0	22.20	-1.1	18.95	34.77	Pass
			3	2	22.28	-1.1	19.03	34.77	Pass
			3	3	22.25	-1.1	19.00	34.77	Pass
			6	0	21.37	-1.1	18.12	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	23.41	-1.1	20.16	34.77	Pass
			1	7	23.43	-1.1	20.18	34.77	Pass
			1	14	23.40	-1.1	20.15	34.77	Pass
			8	0	22.47	-1.1	19.22	34.77	Pass
			8	4	22.48	-1.1	19.23	34.77	Pass
			8	7	22.52	-1.1	19.27	34.77	Pass
			15	0	22.48	-1.1	19.23	34.77	Pass
	23095	707.5	1	0	23.39	-1.1	20.14	34.77	Pass
			1	7	23.37	-1.1	20.12	34.77	Pass
			1	14	23.40	-1.1	20.15	34.77	Pass
			8	0	22.42	-1.1	19.17	34.77	Pass
			8	4	22.43	-1.1	19.18	34.77	Pass
			8	7	22.43	-1.1	19.18	34.77	Pass
			15	0	22.42	-1.1	19.17	34.77	Pass
	23165	714.5	1	0	23.36	-1.1	20.11	34.77	Pass
			1	7	23.35	-1.1	20.10	34.77	Pass
			1	14	23.41	-1.1	20.16	34.77	Pass
			8	0	22.45	-1.1	19.20	34.77	Pass
			8	4	22.46	-1.1	19.21	34.77	Pass
			8	7	22.45	-1.1	19.20	34.77	Pass
			15	0	22.41	-1.1	19.16	34.77	Pass
16QAM	23025	700.5	1	0	22.52	-1.1	19.27	34.77	Pass
			1	7	22.49	-1.1	19.24	34.77	Pass
			1	14	22.49	-1.1	19.24	34.77	Pass
			8	0	21.46	-1.1	18.21	34.77	Pass
			8	4	21.48	-1.1	18.23	34.77	Pass
			8	7	21.49	-1.1	18.24	34.77	Pass
			15	0	21.46	-1.1	18.21	34.77	Pass
	23095	707.5	1	0	22.29	-1.1	19.04	34.77	Pass
			1	7	22.25	-1.1	19.00	34.77	Pass
			1	14	22.34	-1.1	19.09	34.77	Pass
			8	0	21.37	-1.1	18.12	34.77	Pass
			8	4	21.36	-1.1	18.11	34.77	Pass
			8	7	21.33	-1.1	18.08	34.77	Pass
			15	0	21.34	-1.1	18.09	34.77	Pass
	23165	714.5	1	0	22.20	-1.1	18.95	34.77	Pass
			1	7	22.23	-1.1	18.98	34.77	Pass
			1	14	22.20	-1.1	18.95	34.77	Pass
			8	0	21.40	-1.1	18.15	34.77	Pass
			8	4	21.41	-1.1	18.16	34.77	Pass
			8	7	21.39	-1.1	18.14	34.77	Pass
			15	0	21.31	-1.1	18.06	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	23.39	-1.1	20.14	34.77	Pass
			1	12	23.40	-1.1	20.15	34.77	Pass
			1	24	23.54	-1.1	20.29	34.77	Pass
			12	0	22.43	-1.1	19.18	34.77	Pass
			12	6	22.57	-1.1	19.32	34.77	Pass
			12	13	22.49	-1.1	19.24	34.77	Pass
			25	0	22.53	-1.1	19.28	34.77	Pass
	23095	707.5	1	0	23.33	-1.1	20.08	34.77	Pass
			1	12	23.37	-1.1	20.12	34.77	Pass
			1	24	23.31	-1.1	20.06	34.77	Pass
			12	0	22.48	-1.1	19.23	34.77	Pass
			12	6	22.45	-1.1	19.20	34.77	Pass
			12	13	22.47	-1.1	19.22	34.77	Pass
			25	0	22.50	-1.1	19.25	34.77	Pass
	23155	713.5	1	0	23.34	-1.1	20.09	34.77	Pass
			1	12	23.44	-1.1	20.19	34.77	Pass
			1	24	23.36	-1.1	20.11	34.77	Pass
			12	0	22.48	-1.1	19.23	34.77	Pass
			12	6	22.39	-1.1	19.14	34.77	Pass
			12	13	22.40	-1.1	19.15	34.77	Pass
			25	0	22.49	-1.1	19.24	34.77	Pass
16QAM	23035	701.5	1	0	22.38	-1.1	19.13	34.77	Pass
			1	12	22.56	-1.1	19.31	34.77	Pass
			1	24	22.37	-1.1	19.12	34.77	Pass
			12	0	21.45	-1.1	18.20	34.77	Pass
			12	6	21.56	-1.1	18.31	34.77	Pass
			12	13	21.42	-1.1	18.17	34.77	Pass
			25	0	21.51	-1.1	18.26	34.77	Pass
	23095	707.5	1	0	22.41	-1.1	19.16	34.77	Pass
			1	12	22.47	-1.1	19.22	34.77	Pass
			1	24	22.50	-1.1	19.25	34.77	Pass
			12	0	21.42	-1.1	18.17	34.77	Pass
			12	6	21.49	-1.1	18.24	34.77	Pass
			12	13	21.51	-1.1	18.26	34.77	Pass
			25	0	21.40	-1.1	18.15	34.77	Pass
	23155	713.5	1	0	22.31	-1.1	19.06	34.77	Pass
			1	12	22.38	-1.1	19.13	34.77	Pass
			1	24	22.28	-1.1	19.03	34.77	Pass
			12	0	21.47	-1.1	18.22	34.77	Pass
			12	6	21.42	-1.1	18.17	34.77	Pass
			12	13	21.47	-1.1	18.22	34.77	Pass
			25	0	21.48	-1.1	18.23	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	23.43	-1.1	20.18	34.77	Pass
			1	24	23.40	-1.1	20.15	34.77	Pass
			1	49	23.53	-1.1	20.28	34.77	Pass
			25	0	22.47	-1.1	19.22	34.77	Pass
			25	12	22.43	-1.1	19.18	34.77	Pass
			25	25	22.44	-1.1	19.19	34.77	Pass
			50	0	22.46	-1.1	19.21	34.77	Pass
	23095	707.5	1	0	23.36	-1.1	20.11	34.77	Pass
			1	24	23.40	-1.1	20.15	34.77	Pass
			1	49	23.44	-1.1	20.19	34.77	Pass
			25	0	22.41	-1.1	19.16	34.77	Pass
			25	12	22.49	-1.1	19.24	34.77	Pass
			25	25	22.51	-1.1	19.26	34.77	Pass
			50	0	22.42	-1.1	19.17	34.77	Pass
	23130	711	1	0	23.33	-1.1	20.08	34.77	Pass
			1	24	23.56	-1.1	20.31	34.77	Pass
			1	49	23.31	-1.1	20.06	34.77	Pass
			25	0	22.60	-1.1	19.35	34.77	Pass
			25	12	22.58	-1.1	19.33	34.77	Pass
			25	25	22.62	-1.1	19.37	34.77	Pass
			50	0	22.58	-1.1	19.33	34.77	Pass
16QAM	23060	704	1	0	22.35	-1.1	19.10	34.77	Pass
			1	24	22.41	-1.1	19.16	34.77	Pass
			1	49	22.32	-1.1	19.07	34.77	Pass
			25	0	21.43	-1.1	18.18	34.77	Pass
			25	12	21.43	-1.1	18.18	34.77	Pass
			25	25	21.48	-1.1	18.23	34.77	Pass
			50	0	21.46	-1.1	18.21	34.77	Pass
	23095	707.5	1	0	22.21	-1.1	18.96	34.77	Pass
			1	24	22.28	-1.1	19.03	34.77	Pass
			1	49	22.17	-1.1	18.92	34.77	Pass
			25	0	21.41	-1.1	18.16	34.77	Pass
			25	12	21.48	-1.1	18.23	34.77	Pass
			25	25	21.45	-1.1	18.20	34.77	Pass
			50	0	21.44	-1.1	18.19	34.77	Pass
	23130	711	1	0	22.43	-1.1	19.18	34.77	Pass
			1	24	22.44	-1.1	19.19	34.77	Pass
			1	49	22.59	-1.1	19.34	34.77	Pass
			25	0	21.50	-1.1	18.25	34.77	Pass
			25	12	21.54	-1.1	18.29	34.77	Pass
			25	25	21.54	-1.1	18.29	34.77	Pass
			50	0	21.52	-1.1	18.27	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	23.08	-0.75	20.18	34.77	Pass
			1	12	22.97	-0.75	20.07	34.77	Pass
			1	24	22.97	-0.75	20.07	34.77	Pass
			12	0	21.88	-0.75	18.98	34.77	Pass
			12	6	21.83	-0.75	18.93	34.77	Pass
			12	13	22.04	-0.75	19.14	34.77	Pass
			25	0	21.97	-0.75	19.07	34.77	Pass
	23230	782	1	0	22.98	-0.75	20.08	34.77	Pass
			1	12	23.04	-0.75	20.14	34.77	Pass
			1	24	22.95	-0.75	20.05	34.77	Pass
			12	0	21.93	-0.75	19.03	34.77	Pass
			12	6	21.91	-0.75	19.01	34.77	Pass
			12	13	21.87	-0.75	18.97	34.77	Pass
			25	0	21.92	-0.75	19.02	34.77	Pass
	23255	784.5	1	0	23.00	-0.75	20.10	34.77	Pass
			1	12	22.90	-0.75	20.00	34.77	Pass
			1	24	22.87	-0.75	19.97	34.77	Pass
			12	0	21.96	-0.75	19.06	34.77	Pass
			12	6	21.93	-0.75	19.03	34.77	Pass
			12	13	21.86	-0.75	18.96	34.77	Pass
			25	0	21.93	-0.75	19.03	34.77	Pass
16QAM	23205	779.5	1	0	21.81	-0.75	18.91	34.77	Pass
			1	12	21.80	-0.75	18.90	34.77	Pass
			1	24	21.93	-0.75	19.03	34.77	Pass
			12	0	20.98	-0.75	18.08	34.77	Pass
			12	6	21.02	-0.75	18.12	34.77	Pass
			12	13	21.08	-0.75	18.18	34.77	Pass
			25	0	21.10	-0.75	18.20	34.77	Pass
	23230	782	1	0	21.93	-0.75	19.03	34.77	Pass
			1	12	21.83	-0.75	18.93	34.77	Pass
			1	24	21.88	-0.75	18.98	34.77	Pass
			12	0	20.93	-0.75	18.03	34.77	Pass
			12	6	20.93	-0.75	18.03	34.77	Pass
			12	13	20.98	-0.75	18.08	34.77	Pass
			25	0	21.02	-0.75	18.12	34.77	Pass
	23255	784.5	1	0	22.05	-0.75	19.15	34.77	Pass
			1	12	21.87	-0.75	18.97	34.77	Pass
			1	24	21.98	-0.75	19.08	34.77	Pass
			12	0	21.02	-0.75	18.12	34.77	Pass
			12	6	21.00	-0.75	18.10	34.77	Pass
			12	13	21.02	-0.75	18.12	34.77	Pass
			25	0	20.96	-0.75	18.06	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	23.07	-0.75	20.17	34.77	Pass
			1	24	22.99	-0.75	20.09	34.77	Pass
			1	49	23.13	-0.75	20.23	34.77	Pass
			25	0	21.99	-0.75	19.09	34.77	Pass
			25	12	22.01	-0.75	19.11	34.77	Pass
			25	25	21.98	-0.75	19.08	34.77	Pass
			50	0	21.92	-0.75	19.02	34.77	Pass
16QAM	23230	782	1	0	21.79	-0.75	18.89	34.77	Pass
			1	24	21.88	-0.75	18.98	34.77	Pass
			1	49	21.73	-0.75	18.83	34.77	Pass
			25	0	21.02	-0.75	18.12	34.77	Pass
			25	12	21.06	-0.75	18.16	34.77	Pass
			25	25	21.05	-0.75	18.15	34.77	Pass
			50	0	21.01	-0.75	18.11	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	23.44	-1.10	20.19	34.77	Pass
			1	12	23.55	-1.10	20.30	34.77	Pass
			1	24	23.46	-1.10	20.21	34.77	Pass
			12	0	22.53	-1.10	19.28	34.77	Pass
			12	6	22.54	-1.10	19.29	34.77	Pass
			12	13	22.49	-1.10	19.24	34.77	Pass
			25	0	22.50	-1.10	19.25	34.77	Pass
	23790	710	1	0	23.43	-1.10	20.18	34.77	Pass
			1	12	23.37	-1.10	20.12	34.77	Pass
			1	24	23.30	-1.10	20.05	34.77	Pass
			12	0	22.47	-1.10	19.22	34.77	Pass
			12	6	22.47	-1.10	19.22	34.77	Pass
			12	13	22.55	-1.10	19.30	34.77	Pass
			25	0	22.51	-1.10	19.26	34.77	Pass
	23825	713.5	1	0	23.30	-1.10	20.05	34.77	Pass
			1	12	23.42	-1.10	20.17	34.77	Pass
			1	24	23.45	-1.10	20.20	34.77	Pass
			12	0	22.47	-1.10	19.22	34.77	Pass
			12	6	22.44	-1.10	19.19	34.77	Pass
			12	13	22.52	-1.10	19.27	34.77	Pass
			25	0	22.53	-1.10	19.28	34.77	Pass
16QAM	23755	706.5	1	0	22.45	-1.10	19.20	34.77	Pass
			1	12	22.56	-1.10	19.31	34.77	Pass
			1	24	22.39	-1.10	19.14	34.77	Pass
			12	0	21.46	-1.10	18.21	34.77	Pass
			12	6	21.49	-1.10	18.24	34.77	Pass
			12	13	21.48	-1.10	18.23	34.77	Pass
			25	0	21.53	-1.10	18.28	34.77	Pass
	23790	710	1	0	22.53	-1.10	19.28	34.77	Pass
			1	12	22.59	-1.10	19.34	34.77	Pass
			1	24	22.45	-1.10	19.20	34.77	Pass
			12	0	21.57	-1.10	18.32	34.77	Pass
			12	6	21.55	-1.10	18.30	34.77	Pass
			12	13	21.55	-1.10	18.30	34.77	Pass
			25	0	21.43	-1.10	18.18	34.77	Pass
	23825	713.5	1	0	22.42	-1.10	19.17	34.77	Pass
			1	12	22.31	-1.10	19.06	34.77	Pass
			1	24	22.34	-1.10	19.09	34.77	Pass
			12	0	21.50	-1.10	18.25	34.77	Pass
			12	6	21.48	-1.10	18.23	34.77	Pass
			12	13	21.44	-1.10	18.19	34.77	Pass
			25	0	21.51	-1.10	18.26	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	23.54	-1.10	20.29	34.77	Pass
			1	24	23.50	-1.10	20.25	34.77	Pass
			1	49	23.46	-1.10	20.21	34.77	Pass
			25	0	22.70	-1.10	19.45	34.77	Pass
			25	12	22.57	-1.10	19.32	34.77	Pass
			25	25	22.69	-1.10	19.44	34.77	Pass
			50	0	22.66	-1.10	19.41	34.77	Pass
	23790	710	1	0	23.44	-1.10	20.19	34.77	Pass
			1	24	23.55	-1.10	20.30	34.77	Pass
			1	49	23.37	-1.10	20.12	34.77	Pass
			25	0	22.62	-1.10	19.37	34.77	Pass
			25	12	22.58	-1.10	19.33	34.77	Pass
			25	25	22.59	-1.10	19.34	34.77	Pass
			50	0	22.63	-1.10	19.38	34.77	Pass
	23800	711	1	0	23.56	-1.10	20.31	34.77	Pass
			1	24	23.42	-1.10	20.17	34.77	Pass
			1	49	23.38	-1.10	20.13	34.77	Pass
			25	0	22.67	-1.10	19.42	34.77	Pass
			25	12	22.63	-1.10	19.38	34.77	Pass
			25	25	22.64	-1.10	19.39	34.77	Pass
			50	0	22.65	-1.10	19.40	34.77	Pass
16QAM	23780	709	1	0	22.51	-1.10	19.26	34.77	Pass
			1	24	22.41	-1.10	19.16	34.77	Pass
			1	49	22.36	-1.10	19.11	34.77	Pass
			25	0	21.66	-1.10	18.41	34.77	Pass
			25	12	21.58	-1.10	18.33	34.77	Pass
			25	25	21.64	-1.10	18.39	34.77	Pass
			50	0	21.60	-1.10	18.35	34.77	Pass
	23790	710	1	0	22.24	-1.10	18.99	34.77	Pass
			1	24	22.38	-1.10	19.13	34.77	Pass
			1	49	22.27	-1.10	19.02	34.77	Pass
			25	0	21.60	-1.10	18.35	34.77	Pass
			25	12	21.60	-1.10	18.35	34.77	Pass
			25	25	21.61	-1.10	18.36	34.77	Pass
			50	0	21.58	-1.10	18.33	34.77	Pass
	23800	711	1	0	22.61	-1.10	19.36	34.77	Pass
			1	24	22.43	-1.10	19.18	34.77	Pass
			1	49	22.53	-1.10	19.28	34.77	Pass
			25	0	21.62	-1.10	18.37	34.77	Pass
			25	12	21.56	-1.10	18.31	34.77	Pass
			25	25	21.60	-1.10	18.35	34.77	Pass
			50	0	21.58	-1.10	18.33	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	23.03	1.30	24.33	33	Pass
			1	12	23.16	1.30	24.46	33	Pass
			1	24	23.08	1.30	24.38	33	Pass
			12	0	22.14	1.30	23.44	33	Pass
			12	6	22.16	1.30	23.46	33	Pass
			12	13	22.13	1.30	23.43	33	Pass
			25	0	22.18	1.30	23.48	33	Pass
	38000	2595	1	0	23.18	1.30	24.48	33	Pass
			1	12	23.04	1.30	24.34	33	Pass
			1	24	23.05	1.30	24.35	33	Pass
			12	0	22.14	1.30	23.44	33	Pass
			12	6	22.09	1.30	23.39	33	Pass
			12	13	22.08	1.30	23.38	33	Pass
			25	0	22.11	1.30	23.41	33	Pass
	38225	2617.5	1	0	23.11	1.30	24.41	33	Pass
			1	12	23.21	1.30	24.51	33	Pass
			1	24	23.01	1.30	24.31	33	Pass
			12	0	22.03	1.30	23.33	33	Pass
			12	6	22.03	1.30	23.33	33	Pass
			12	13	22.06	1.30	23.36	33	Pass
			25	0	22.11	1.30	23.41	33	Pass
16QAM	37775	2572.5	1	0	22.13	1.30	23.43	33	Pass
			1	12	22.23	1.30	23.53	33	Pass
			1	24	22.15	1.30	23.45	33	Pass
			12	0	21.13	1.30	22.43	33	Pass
			12	6	21.15	1.30	22.45	33	Pass
			12	13	21.14	1.30	22.44	33	Pass
			25	0	21.07	1.30	22.37	33	Pass
	38000	2595	1	0	21.95	1.30	23.25	33	Pass
			1	12	21.97	1.30	23.27	33	Pass
			1	24	22.11	1.30	23.41	33	Pass
			12	0	21.08	1.30	22.38	33	Pass
			12	6	21.08	1.30	22.38	33	Pass
			12	13	21.07	1.30	22.37	33	Pass
			25	0	21.06	1.30	22.36	33	Pass
	38225	2617.5	1	0	21.97	1.30	23.27	33	Pass
			1	12	21.89	1.30	23.19	33	Pass
			1	24	22.06	1.30	23.36	33	Pass
			12	0	21.11	1.30	22.41	33	Pass
			12	6	21.04	1.30	22.34	33	Pass
			12	13	21.05	1.30	22.35	33	Pass
			25	0	21.12	1.30	22.42	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	23.43	1.30	24.73	33	Pass
			1	24	23.20	1.30	24.50	33	Pass
			1	49	23.20	1.30	24.50	33	Pass
			25	0	22.18	1.30	23.48	33	Pass
			25	12	22.18	1.30	23.48	33	Pass
			25	25	22.26	1.30	23.56	33	Pass
			50	0	22.18	1.30	23.48	33	Pass
	38000	2595	1	0	23.10	1.30	24.40	33	Pass
			1	24	23.10	1.30	24.40	33	Pass
			1	49	23.39	1.30	24.69	33	Pass
			25	0	22.18	1.30	23.48	33	Pass
			25	12	22.19	1.30	23.49	33	Pass
			25	25	22.19	1.30	23.49	33	Pass
			50	0	22.17	1.30	23.47	33	Pass
	38200	2615	1	0	23.10	1.30	24.40	33	Pass
			1	24	23.44	1.30	24.74	33	Pass
			1	49	23.16	1.30	24.46	33	Pass
			25	0	22.19	1.30	23.49	33	Pass
			25	12	22.11	1.30	23.41	33	Pass
			25	25	22.12	1.30	23.42	33	Pass
			50	0	22.14	1.30	23.44	33	Pass
16QAM	37800	2575	1	0	22.27	1.30	23.57	33	Pass
			1	24	22.01	1.30	23.31	33	Pass
			1	49	22.04	1.30	23.34	33	Pass
			25	0	21.12	1.30	22.42	33	Pass
			25	12	21.22	1.30	22.52	33	Pass
			25	25	21.11	1.30	22.41	33	Pass
			50	0	21.15	1.30	22.45	33	Pass
	38000	2595	1	0	22.16	1.30	23.46	33	Pass
			1	24	21.90	1.30	23.20	33	Pass
			1	49	21.90	1.30	23.20	33	Pass
			25	0	21.13	1.30	22.43	33	Pass
			25	12	21.16	1.30	22.46	33	Pass
			25	25	21.14	1.30	22.44	33	Pass
			50	0	21.11	1.30	22.41	33	Pass
	38200	2615	1	0	22.38	1.30	23.68	33	Pass
			1	24	22.06	1.30	23.36	33	Pass
			1	49	22.08	1.30	23.38	33	Pass
			25	0	21.17	1.30	22.47	33	Pass
			25	12	21.12	1.30	22.42	33	Pass
			25	25	21.11	1.30	22.41	33	Pass
			50	0	21.17	1.30	22.47	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	23.10	1.30	24.40	33	Pass
			1	37	22.04	1.30	23.34	33	Pass
			1	74	23.00	1.30	24.30	33	Pass
			37	0	22.09	1.30	23.39	33	Pass
			37	18	22.01	1.30	23.31	33	Pass
			37	38	22.03	1.30	23.33	33	Pass
			75	0	22.16	1.30	23.46	33	Pass
	38000	2595	1	0	22.89	1.30	24.19	33	Pass
			1	37	23.05	1.30	24.35	33	Pass
			1	74	22.95	1.30	24.25	33	Pass
			37	0	22.11	1.30	23.41	33	Pass
			37	18	22.23	1.30	23.53	33	Pass
			37	38	22.10	1.30	23.40	33	Pass
			75	0	22.18	1.30	23.48	33	Pass
	38175	2612.5	1	0	23.13	1.30	24.43	33	Pass
			1	37	23.08	1.30	24.38	33	Pass
			1	74	23.06	1.30	24.36	33	Pass
			37	0	21.83	1.30	23.13	33	Pass
			37	18	21.86	1.30	23.16	33	Pass
			37	38	21.78	1.30	23.08	33	Pass
			75	0	22.13	1.30	23.43	33	Pass
16QAM	37825	2577.5	1	0	22.00	1.30	23.30	33	Pass
			1	37	22.02	1.30	23.32	33	Pass
			1	74	22.13	1.30	23.43	33	Pass
			37	0	22.01	1.30	23.31	33	Pass
			37	18	22.00	1.30	23.30	33	Pass
			37	38	22.11	1.30	23.41	33	Pass
			75	0	21.03	1.30	22.33	33	Pass
	38000	2595	1	0	22.11	1.30	23.41	33	Pass
			1	37	22.21	1.30	23.51	33	Pass
			1	74	22.13	1.30	23.43	33	Pass
			37	0	22.10	1.30	23.40	33	Pass
			37	18	22.10	1.30	23.40	33	Pass
			37	38	22.23	1.30	23.53	33	Pass
			75	0	21.13	1.30	22.43	33	Pass
	38175	2612.5	1	0	21.88	1.30	23.18	33	Pass
			1	37	21.81	1.30	23.11	33	Pass
			1	74	21.81	1.30	23.11	33	Pass
			37	0	21.84	1.30	23.14	33	Pass
			37	18	21.88	1.30	23.18	33	Pass
			37	38	21.76	1.30	23.06	33	Pass
			75	0	21.14	1.30	22.44	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	22.92	1.30	24.22	33	Pass
			1	49	23.33	1.30	24.63	33	Pass
			1	99	22.87	1.30	24.17	33	Pass
			50	0	22.03	1.30	23.33	33	Pass
			50	25	22.12	1.30	23.42	33	Pass
			50	50	22.02	1.30	23.32	33	Pass
			100	0	22.05	1.30	23.35	33	Pass
	38000	2595	1	0	22.88	1.30	24.18	33	Pass
			1	49	23.27	1.30	24.57	33	Pass
			1	99	22.81	1.30	24.11	33	Pass
			50	0	22.12	1.30	23.42	33	Pass
			50	25	22.11	1.30	23.41	33	Pass
			50	50	22.11	1.30	23.41	33	Pass
			100	0	22.12	1.30	23.42	33	Pass
	38150	2610	1	0	22.99	1.30	24.29	33	Pass
			1	49	23.38	1.30	24.68	33	Pass
			1	99	22.88	1.30	24.18	33	Pass
			50	0	22.12	1.30	23.42	33	Pass
			50	25	22.09	1.30	23.39	33	Pass
			50	50	22.10	1.30	23.40	33	Pass
			100	0	22.08	1.30	23.38	33	Pass
16QAM	37850	2580	1	0	22.03	1.30	23.33	33	Pass
			1	49	22.50	1.30	23.80	33	Pass
			1	99	22.00	1.30	23.30	33	Pass
			50	0	20.97	1.30	22.27	33	Pass
			50	25	20.97	1.30	22.27	33	Pass
			50	50	21.08	1.30	22.38	33	Pass
			100	0	21.02	1.30	22.32	33	Pass
	38000	2595	1	0	21.72	1.30	23.02	33	Pass
			1	49	22.18	1.30	23.48	33	Pass
			1	99	21.65	1.30	22.95	33	Pass
			50	0	21.08	1.30	22.38	33	Pass
			50	25	21.07	1.30	22.37	33	Pass
			50	50	21.07	1.30	22.37	33	Pass
			100	0	21.08	1.30	22.38	33	Pass
	38150	2610	1	0	21.78	1.30	23.08	33	Pass
			1	49	22.19	1.30	23.49	33	Pass
			1	99	21.78	1.30	23.08	33	Pass
			50	0	21.14	1.30	22.44	33	Pass
			50	25	21.02	1.30	22.32	33	Pass
			50	50	21.06	1.30	22.36	33	Pass
			100	0	21.09	1.30	22.39	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	23.10	1.30	24.40	33	Pass
			1	12	23.06	1.30	24.36	33	Pass
			1	24	23.21	1.30	24.51	33	Pass
			12	0	22.18	1.30	23.48	33	Pass
			12	6	22.14	1.30	23.44	33	Pass
			12	13	22.17	1.30	23.47	33	Pass
			25	0	22.24	1.30	23.54	33	Pass
	40740	2605	1	0	23.13	1.30	24.43	33	Pass
			1	12	23.26	1.30	24.56	33	Pass
			1	24	23.11	1.30	24.41	33	Pass
			12	0	22.09	1.30	23.39	33	Pass
			12	6	22.11	1.30	23.41	33	Pass
			12	13	22.04	1.30	23.34	33	Pass
			25	0	22.11	1.30	23.41	33	Pass
	41215	2652.5	1	0	23.24	1.30	24.54	33	Pass
			1	12	23.11	1.30	24.41	33	Pass
			1	24	23.12	1.30	24.42	33	Pass
			12	0	22.05	1.30	23.35	33	Pass
			12	6	22.08	1.30	23.38	33	Pass
			12	13	22.04	1.30	23.34	33	Pass
			25	0	22.09	1.30	23.39	33	Pass
16QAM	40265	2557.5	1	0	22.21	1.30	23.51	33	Pass
			1	12	22.31	1.30	23.61	33	Pass
			1	24	22.14	1.30	23.44	33	Pass
			12	0	21.13	1.30	22.43	33	Pass
			12	6	21.12	1.30	22.42	33	Pass
			12	13	21.18	1.30	22.48	33	Pass
			25	0	21.11	1.30	22.41	33	Pass
	40740	2605	1	0	21.96	1.30	23.26	33	Pass
			1	12	21.93	1.30	23.23	33	Pass
			1	24	22.05	1.30	23.35	33	Pass
			12	0	21.12	1.30	22.42	33	Pass
			12	6	21.17	1.30	22.47	33	Pass
			12	13	21.10	1.30	22.40	33	Pass
			25	0	21.16	1.30	22.46	33	Pass
	41215	2652.5	1	0	22.06	1.30	23.36	33	Pass
			1	12	21.94	1.30	23.24	33	Pass
			1	24	21.94	1.30	23.24	33	Pass
			12	0	21.10	1.30	22.40	33	Pass
			12	6	21.07	1.30	22.37	33	Pass
			12	13	21.10	1.30	22.40	33	Pass
			25	0	21.08	1.30	22.38	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	23.15	1.30	24.45	33	Pass
			1	24	23.47	1.30	24.77	33	Pass
			1	49	23.19	1.30	24.49	33	Pass
			25	0	22.17	1.30	23.47	33	Pass
			25	12	22.15	1.30	23.45	33	Pass
			25	25	22.28	1.30	23.58	33	Pass
	40740	2605	50	0	22.17	1.30	23.47	33	Pass
			1	0	23.45	1.30	24.75	33	Pass
			1	24	23.10	1.30	24.40	33	Pass
			1	49	23.19	1.30	24.49	33	Pass
			25	0	22.12	1.30	23.42	33	Pass
			25	12	22.13	1.30	23.43	33	Pass
	41190	2650	25	25	22.11	1.30	23.41	33	Pass
			50	0	22.15	1.30	23.45	33	Pass
			1	0	23.11	1.30	24.41	33	Pass
			1	24	23.13	1.30	24.43	33	Pass
			1	49	23.41	1.30	24.71	33	Pass
			25	0	22.14	1.30	23.44	33	Pass
16QAM	40290	2560	25	12	22.11	1.30	23.41	33	Pass
			25	25	22.14	1.30	23.44	33	Pass
			50	0	22.09	1.30	23.39	33	Pass
			1	0	22.03	1.30	23.33	33	Pass
			1	24	22.02	1.30	23.32	33	Pass
			1	49	22.31	1.30	23.61	33	Pass
	40740	2605	25	0	21.09	1.30	22.39	33	Pass
			25	12	21.08	1.30	22.38	33	Pass
			25	25	21.21	1.30	22.51	33	Pass
			50	0	21.14	1.30	22.44	33	Pass
			1	0	21.88	1.30	23.18	33	Pass
			1	24	22.13	1.30	23.43	33	Pass
	41190	2650	1	49	21.87	1.30	23.17	33	Pass
			25	0	21.21	1.30	22.51	33	Pass
			25	12	21.19	1.30	22.49	33	Pass
			25	25	21.20	1.30	22.50	33	Pass
			50	0	21.15	1.30	22.45	33	Pass
			1	0	22.06	1.30	23.36	33	Pass
	41190	2650	1	24	22.02	1.30	23.32	33	Pass
			1	49	22.31	1.30	23.61	33	Pass
			25	0	21.13	1.30	22.43	33	Pass
			25	12	21.07	1.30	22.37	33	Pass
			25	25	21.08	1.30	22.38	33	Pass
			50	0	21.11	1.30	22.41	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	23.06	1.30	24.36	33	Pass
			1	24	22.98	1.30	24.28	33	Pass
			1	49	23.14	1.30	24.44	33	Pass
			25	0	22.20	1.30	23.50	33	Pass
			25	12	22.15	1.30	23.45	33	Pass
			25	25	22.32	1.30	23.62	33	Pass
	40740	2605	50	0	22.28	1.30	23.58	33	Pass
			1	0	23.11	1.30	24.41	33	Pass
			1	24	23.24	1.30	24.54	33	Pass
			1	49	23.01	1.30	24.31	33	Pass
			25	0	21.94	1.30	23.24	33	Pass
			25	12	21.79	1.30	23.09	33	Pass
	41165	2647.5	25	25	21.82	1.30	23.12	33	Pass
			50	0	22.20	1.30	23.50	33	Pass
			1	0	23.07	1.30	24.37	33	Pass
			1	24	23.09	1.30	24.39	33	Pass
			1	49	23.19	1.30	24.49	33	Pass
			25	0	22.00	1.30	23.30	33	Pass
16QAM	40315	2562.5	25	12	22.14	1.30	23.44	33	Pass
			25	25	22.01	1.30	23.31	33	Pass
			50	0	22.26	1.30	23.56	33	Pass
			1	0	22.17	1.30	23.47	33	Pass
			1	24	22.33	1.30	23.63	33	Pass
			1	49	22.20	1.30	23.50	33	Pass
	40740	2605	25	0	22.33	1.30	23.63	33	Pass
			25	12	22.15	1.30	23.45	33	Pass
			25	25	22.20	1.30	23.50	33	Pass
			50	0	21.18	1.30	22.48	33	Pass
			1	0	21.79	1.30	23.09	33	Pass
			1	24	21.89	1.30	23.19	33	Pass
	41165	2647.5	1	49	21.79	1.30	23.09	33	Pass
			25	0	21.82	1.30	23.12	33	Pass
			25	12	21.94	1.30	23.24	33	Pass
			25	25	21.83	1.30	23.13	33	Pass
			50	0	21.14	1.30	22.44	33	Pass
			1	0	22.00	1.30	23.30	33	Pass
	41165	2647.5	1	24	22.01	1.30	23.31	33	Pass
			1	49	22.13	1.30	23.43	33	Pass
			25	0	22.01	1.30	23.31	33	Pass
			25	12	22.03	1.30	23.33	33	Pass
			25	25	22.11	1.30	23.41	33	Pass
			50	0	21.18	1.30	22.48	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	22.91	1.30	24.21	33	Pass
			1	49	22.86	1.30	24.16	33	Pass
			1	99	23.41	1.30	24.71	33	Pass
			50	0	22.01	1.30	23.31	33	Pass
			50	25	22.23	1.30	23.53	33	Pass
			50	50	22.01	1.30	23.31	33	Pass
			100	0	22.13	1.30	23.43	33	Pass
	40740	2605	1	0	22.83	1.30	24.13	33	Pass
			1	49	23.40	1.30	24.70	33	Pass
			1	99	22.94	1.30	24.24	33	Pass
			50	0	22.18	1.30	23.48	33	Pass
			50	25	22.09	1.30	23.39	33	Pass
			50	50	22.15	1.30	23.45	33	Pass
			100	0	22.09	1.30	23.39	33	Pass
	41140	2645	1	0	23.50	1.30	24.80	33	Pass
			1	49	23.01	1.30	24.31	33	Pass
			1	99	22.96	1.30	24.26	33	Pass
			50	0	22.07	1.30	23.37	33	Pass
			50	25	22.06	1.30	23.36	33	Pass
			50	50	22.20	1.30	23.50	33	Pass
			100	0	22.11	1.30	23.41	33	Pass
16QAM	40340	2565	1	0	22.05	1.30	23.35	33	Pass
			1	49	22.02	1.30	23.32	33	Pass
			1	99	22.56	1.30	23.86	33	Pass
			50	0	20.97	1.30	22.27	33	Pass
			50	25	20.99	1.30	22.29	33	Pass
			50	50	21.22	1.30	22.52	33	Pass
			100	0	21.07	1.30	22.37	33	Pass
	40740	2605	1	0	21.69	1.30	22.99	33	Pass
			1	49	22.15	1.30	23.45	33	Pass
			1	99	21.67	1.30	22.97	33	Pass
			50	0	21.13	1.30	22.43	33	Pass
			50	25	21.13	1.30	22.43	33	Pass
			50	50	21.14	1.30	22.44	33	Pass
			100	0	21.10	1.30	22.40	33	Pass
	41140	2645	1	0	21.80	1.30	23.10	33	Pass
			1	49	22.32	1.30	23.62	33	Pass
			1	99	21.80	1.30	23.10	33	Pass
			50	0	21.07	1.30	22.37	33	Pass
			50	25	21.05	1.30	22.35	33	Pass
			50	50	21.19	1.30	22.49	33	Pass
			100	0	21.10	1.30	22.40	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	0.12	<13	PASS
		1880	0.12	<13	PASS
		1909.8	0.15	<13	PASS
GSM1900	EDGE/TM2	1850.2	3.11	<13	PASS
		1880	3.14	<13	PASS
		1909.8	2.99	<13	PASS

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM3	1852.4	3.03	<13	PASS
		1880	2.98	<13	PASS
		1907.6	2.98	<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	4.82	<13	PASS
	1880	6	0	4.89	<13	PASS
	1909.3	6	0	4.60	<13	PASS
16QAM	1850.7	6	0	5.70	<13	PASS
	1880	6	0	5.66	<13	PASS
	1909.3	6	0	5.50	<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	4.94	<13	PASS
	1880	15	0	4.84	<13	PASS
	1908.5	15	0	4.71	<13	PASS
16QAM	1851.5	15	0	5.75	<13	PASS
	1880	15	0	5.77	<13	PASS
	1908.5	15	0	5.51	<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	5.03	<13	PASS
	1880	25	0	5.10	<13	PASS
	1907.5	25	0	4.85	<13	PASS
16QAM	1852.5	25	0	5.76	<13	PASS
	1880	25	0	5.85	<13	PASS
	1907.5	25	0	5.60	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1855	50	0	5.24	<13	PASS
	1880	50	0	5.94	<13	PASS
	1905	50	0	5.96	<13	PASS
16QAM	1855	50	0	6.02	<13	PASS
	1880	50	0	5.95	<13	PASS
	1905	50	0	5.96	<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	5.24	<13	PASS
	1880	75	0	5.94	<13	PASS
	1902.5	75	0	5.96	<13	PASS
16QAM	1857.5	75	0	6.02	<13	PASS
	1880	75	0	5.95	<13	PASS
	1902.5	75	0	5.96	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1860	100	0	5.38	<13	PASS
	1880	100	0	5.37	<13	PASS
	1900	100	0	5.31	<13	PASS
16QAM	1860	100	0	6.38	<13	PASS
	1880	100	0	6.37	<13	PASS
	1900	100	0	6.35	<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	5.22	<13	PASS
	1732.5	6	0	5.27	<13	PASS
	1754.3	6	0	5.21	<13	PASS
16QAM	1710.7	6	0	6.20	<13	PASS
	1732.5	6	0	6.09	<13	PASS
	1754.3	6	0	6.03	<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	5.30	<13	PASS
	1732.5	15	0	5.20	<13	PASS
	1753.5	15	0	5.21	<13	PASS
16QAM	1711.5	15	0	6.13	<13	PASS
	1732.5	15	0	6.02	<13	PASS
	1753.5	15	0	6.09	<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	5.46	<13	PASS
	1732.5	25	0	5.28	<13	PASS
	1752.5	25	0	5.30	<13	PASS
16QAM	1712.5	25	0	6.18	<13	PASS
	1732.5	25	0	6.01	<13	PASS
	1752.5	25	0	6.06	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1715	50	0	5.86	<13	PASS
	1732.5	50	0	5.59	<13	PASS
	1750	50	0	5.76	<13	PASS
16QAM	1715	50	0	6.37	<13	PASS
	1732.5	50	0	6.39	<13	PASS
	1750	50	0	5.72	<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	5.88	<13	PASS
	1732.5	75	0	5.90	<13	PASS
	1747.5	75	0	5.32	<13	PASS
16QAM	1717.5	75	0	6.79	<13	PASS
	1732.5	75	0	6.24	<13	PASS
	1747.5	75	0	6.15	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	1720	100	0	5.38	<13	PASS
	1732.5	100	0	5.35	<13	PASS
	1745	100	0	5.31	<13	PASS
16QAM	1720	100	0	6.40	<13	PASS
	1732.5	100	0	6.38	<13	PASS
	1745	100	0	6.41	<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	5.53	<13	PASS
	836.5	6	0	5.38	<13	PASS
	848.3	6	0	4.90	<13	PASS
16QAM	824.7	6	0	6.36	<13	PASS
	836.5	6	0	6.12	<13	PASS
	848.3	6	0	5.81	<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	5.56	<13	PASS
	836.5	15	0	5.40	<13	PASS
	847.5	15	0	4.84	<13	PASS
16QAM	825.5	15	0	6.45	<13	PASS
	836.5	15	0	6.25	<13	PASS
	847.5	15	0	5.71	<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	5.61	<13	PASS
	836.5	25	0	5.54	<13	PASS
	846.5	25	0	4.98	<13	PASS
16QAM	826.5	25	0	6.33	<13	PASS
	836.5	25	0	6.27	<13	PASS
	846.5	25	0	5.79	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	829	50	0	5.57	<13	PASS
	836.5	50	0	5.60	<13	PASS
	844	50	0	5.32	<13	PASS
16QAM	829	50	0	6.35	<13	PASS
	836.5	50	0	6.39	<13	PASS
	844	50	0	6.11	<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	4.76	<13	PASS
	2535	25	0	4.84	<13	PASS
	2567.5	25	0	3.60	<13	PASS
16QAM	2502.5	25	0	5.66	<13	PASS
	2535	25	0	5.72	<13	PASS
	2567.5	25	0	4.57	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	2505	50	0	5.12	<13	PASS
	2535	50	0	5.18	<13	PASS
	2565	50	0	4.59	<13	PASS
16QAM	2505	50	0	5.96	<13	PASS
	2535	50	0	5.96	<13	PASS
	2565	50	0	5.38	<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	5.18	<13	PASS
	2535	75	0	5.22	<13	PASS
	2562.5	75	0	4.75	<13	PASS
16QAM	2507.5	75	0	6.04	<13	PASS
	2535	75	0	6.03	<13	PASS
	2562.5	75	0	5.62	<13	PASS

Channel Bandwidth: 20MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	2510	100	0	5.38	<13	PASS
	2535	100	0	5.40	<13	PASS
	2560	100	0	5.34	<13	PASS
16QAM	2510	100	0	6.43	<13	PASS
	2535	100	0	6.39	<13	PASS
	2560	100	0	6.36	<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	5.30	<13	PASS
	707.5	6	0	5.31	<13	PASS
	715.3	6	0	4.98	<13	PASS
16QAM	699.7	6	0	6.22	<13	PASS
	707.5	6	0	6.07	<13	PASS
	715.3	6	0	5.84	<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	5.27	<13	PASS
	707.5	15	0	5.25	<13	PASS
	714.5	15	0	4.98	<13	PASS
16QAM	700.5	15	0	6.13	<13	PASS
	707.5	15	0	6.12	<13	PASS
	714.5	15	0	5.95	<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	5.43	<13	PASS
	707.5	25	0	5.38	<13	PASS
	713.5	25	0	5.31	<13	PASS
16QAM	701.5	25	0	6.17	<13	PASS
	707.5	25	0	6.14	<13	PASS
	713.5	25	0	6.13	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	704	50	0	5.48	<13	PASS
	707.5	50	0	5.48	<13	PASS
	711	50	0	5.43	<13	PASS
16QAM	704	50	0	6.24	<13	PASS
	707.5	50	0	6.29	<13	PASS
	711	50	0	6.28	<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	5.54	<13	PASS
	782	25	0	5.51	<13	PASS
	784.5	25	0	5.50	<13	PASS
16QAM	799.5	25	0	6.27	<13	PASS
	782	25	0	6.21	<13	PASS
	784.5	25	0	6.20	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	782	50	0	5.55	<13	PASS
16QAM	782	50	0	6.30	<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	5.39	<13	PASS
	710	25	0	5.41	<13	PASS
	713.5	25	0	5.22	<13	PASS
16QAM	706.5	25	0	6.18	<13	PASS
	710	25	0	6.18	<13	PASS
	713.5	25	0	6.05	<13	PASS

Channel Bandwidth: 10MHz						
Modulation	Test Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	709	50	0	5.44	<13	PASS
	710	50	0	5.44	<13	PASS
	711	50	0	5.43	<13	PASS
16QAM	709	50	0	6.26	<13	PASS
	710	50	0	6.22	<13	PASS
	711	50	0	6.25	<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

Test Band	Test Mode	Test Channel	99% OBW (kHz)	26dBc BANDWIDTH (kHz)	Verdict
GSM850	GPRS/TM1	LCH	244.60	316.44	PASS
		MCH	247.09	316.28	PASS
		HCH	246.17	314.75	PASS
	EDGE/TM2	LCH	247.88	319.01	PASS
		MCH	247.96	313.55	PASS
		HCH	247.15	308.99	PASS
GSM1900	GPRS/TM1	LCH	245.81	312.95	PASS
		MCH	243.37	314.88	PASS
		HCH	245.36	310.82	PASS
	EDGE/TM2	LCH	249.13	323.79	PASS
		MCH	245.41	307.97	PASS
		HCH	245.38	309.69	PASS

Test Band	Test Mode	Test Channel	99% OBW (kHz)	26dBc BANDWIDTH (kHz)	Verdict
WCDMA850	UMTS/TM3	LCH	4164.1	4715	PASS
		MCH	4160.6	4718	PASS
		HCH	4153.0	4712	PASS
WCDMA1900	UMTS/TM3	LCH	4177.1	4715	PASS
		MCH	4180.3	4718	PASS
		HCH	4183.1	4726	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	1.0771	1.221	PASS
	MCH	6	0	1.0755	1.207	PASS
	HCH	6	0	1.0762	1.235	PASS
16QAM	LCH	6	0	1.0789	1.238	PASS
	MCH	6	0	1.0769	1.218	PASS
	HCH	6	0	1.0776	1.241	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6812	2.831	PASS
	MCH	15	0	2.6827	2.834	PASS
	HCH	15	0	2.6762	2.839	PASS
16QAM	LCH	15	0	2.6786	2.842	PASS
	MCH	15	0	2.6824	2.821	PASS
	HCH	15	0	2.6797	2.835	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4785	4.878	PASS
	MCH	25	0	4.4771	4.873	PASS
	HCH	25	0	4.4811	4.894	PASS
16QAM	LCH	25	0	4.4752	4.945	PASS
	MCH	25	0	4.4826	4.895	PASS
	HCH	25	0	4.4780	4.875	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9477	9.469	PASS
	MCH	50	0	8.9341	9.428	PASS
	HCH	50	0	8.9324	9.546	PASS
16QAM	LCH	50	0	8.9378	9.481	PASS
	MCH	50	0	8.9370	9.420	PASS
	HCH	50	0	8.9357	9.506	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.417	14.25	PASS
	MCH	75	0	13.401	14.10	PASS
	HCH	75	0	13.411	14.07	PASS
16QAM	LCH	75	0	13.402	14.05	PASS
	MCH	75	0	13.398	14.13	PASS
	HCH	75	0	13.413	14.18	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.878	18.70	PASS
	MCH	100	0	17.863	18.67	PASS
	HCH	100	0	17.889	18.71	PASS
16QAM	LCH	100	0	17.881	18.69	PASS
	MCH	100	0	17.879	18.67	PASS
	HCH	100	0	17.876	18.68	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	1.0769	1.230	PASS
	MCH	6	0	1.0762	1.245	PASS
	HCH	6	0	1.0761	1.197	PASS
16QAM	LCH	6	0	1.0783	1.233	PASS
	MCH	6	0	1.0762	1.234	PASS
	HCH	6	0	1.0774	1.212	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6811	2.836	PASS
	MCH	15	0	2.6790	2.846	PASS
	HCH	15	0	2.6763	2.829	PASS
16QAM	LCH	15	0	2.6813	2.833	PASS
	MCH	15	0	2.6810	2.838	PASS
	HCH	15	0	2.6743	2.814	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4775	4.856	PASS
	MCH	25	0	4.4735	4.897	PASS
	HCH	25	0	4.4806	4.884	PASS
16QAM	LCH	25	0	4.4790	4.865	PASS
	MCH	25	0	4.4767	4.924	PASS
	HCH	25	0	4.4834	4.880	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9331	9.426	PASS
	MCH	50	0	8.9309	9.439	PASS
	HCH	50	0	8.9245	9.439	PASS
16QAM	LCH	50	0	8.9323	9.437	PASS
	MCH	50	0	8.9301	9.466	PASS
	HCH	50	0	8.9273	9.422	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.388	14.09	PASS
	MCH	75	0	13.388	14.07	PASS
	HCH	75	0	13.396	14.11	PASS
16QAM	LCH	75	0	13.389	14.08	PASS
	MCH	75	0	13.391	14.10	PASS
	HCH	75	0	13.391	14.15	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.855	18.65	PASS
	MCH	100	0	17.856	18.61	PASS
	HCH	100	0	17.881	18.71	PASS
16QAM	LCH	100	0	17.871	18.65	PASS
	MCH	100	0	17.868	18.69	PASS
	HCH	100	0	17.860	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	1.0750	1.224	PASS
	MCH	6	0	1.0762	1.239	PASS
	HCH	6	0	1.0780	1.226	PASS
16QAM	LCH	6	0	1.0768	1.239	PASS
	MCH	6	0	1.0749	1.235	PASS
	HCH	6	0	1.0776	1.204	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6771	2.830	PASS
	MCH	15	0	2.6783	2.829	PASS
	HCH	15	0	2.6787	2.815	PASS
16QAM	LCH	15	0	2.6789	2.825	PASS
	MCH	15	0	2.6815	2.831	PASS
	HCH	15	0	2.6787	2.827	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4750	4.924	PASS
	MCH	25	0	4.4729	4.941	PASS
	HCH	25	0	4.4685	4.837	PASS
16QAM	LCH	25	0	4.4704	4.926	PASS
	MCH	25	0	4.4804	4.884	PASS
	HCH	25	0	4.4724	4.816	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9246	9.354	PASS
	MCH	50	0	8.9330	9.471	PASS
	HCH	50	0	8.9187	9.448	PASS
16QAM	LCH	50	0	8.9225	9.382	PASS
	MCH	50	0	8.9244	9.436	PASS
	HCH	50	0	8.9041	9.388	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	4.4799	4.901	PASS
	MCH	25	0	4.4781	4.884	PASS
	HCH	25	0	4.4794	4.988	PASS
16QAM	LCH	25	0	4.4775	4.870	PASS
	MCH	25	0	4.4795	4.889	PASS
	HCH	25	0	4.4795	4.950	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9393	9.477	PASS
	MCH	50	0	8.9319	9.441	PASS
	HCH	50	0	8.9354	9.459	PASS
16QAM	LCH	50	0	8.9364	9.426	PASS
	MCH	50	0	8.9259	9.450	PASS
	HCH	50	0	8.9294	9.521	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.422	14.22	PASS
	MCH	75	0	13.392	14.09	PASS
	HCH	75	0	13.392	14.03	PASS
16QAM	LCH	75	0	13.396	14.06	PASS
	MCH	75	0	13.395	14.17	PASS
	HCH	75	0	13.405	14.16	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.872	18.71	PASS
	MCH	100	0	17.867	18.62	PASS
	HCH	100	0	17.868	18.66	PASS
16QAM	LCH	100	0	17.874	18.66	PASS
	MCH	100	0	17.847	18.71	PASS
	HCH	100	0	17.871	18.71	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	1.1108	1.281	PASS
	MCH	6	0	1.1081	1.288	PASS
	HCH	6	0	1.1069	1.280	PASS
16QAM	LCH	6	0	1.1082	1.255	PASS
	MCH	6	0	1.1089	1.271	PASS
	HCH	6	0	1.1078	1.288	PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6931	2.861	PASS
	MCH	15	0	2.6953	2.857	PASS
	HCH	15	0	2.6854	2.868	PASS
16QAM	LCH	15	0	2.6862	2.850	PASS
	MCH	15	0	2.6949	2.854	PASS
	HCH	15	0	2.6884	2.845	PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4798	4.906	PASS
	MCH	25	0	4.4801	4.888	PASS
	HCH	25	0	4.4765	4.894	PASS
16QAM	LCH	25	0	4.4834	4.919	PASS
	MCH	25	0	4.4822	4.905	PASS
	HCH	25	0	4.4811	4.888	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9310	9.395	PASS
	MCH	50	0	8.9159	9.358	PASS
	HCH	50	0	8.9249	9.430	PASS
16QAM	LCH	50	0	8.9259	9.399	PASS
	MCH	50	0	8.9117	9.357	PASS
	HCH	50	0	8.9187	9.375	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	4.4743	4.916	PASS
	MCH	25	0	4.4813	4.918	PASS
	HCH	25	0	4.4725	4.877	PASS
16QAM	LCH	25	0	4.4803	4.868	PASS
	MCH	25	0	4.4752	4.913	PASS
	HCH	25	0	4.4772	4.864	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	---	50	0	8.9337	9.453	PASS
16QAM	---	50	0	8.9303	9.420	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	4.4767	4.884	PASS
	MCH	25	0	4.4752	4.900	PASS
	HCH	25	0	4.4806	4.906	PASS
16QAM	LCH	25	0	4.4728	4.914	PASS
	MCH	25	0	4.4768	4.866	PASS
	HCH	25	0	4.4780	4.876	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9266	9.463	PASS
	MCH	50	0	8.9237	9.446	PASS
	HCH	50	0	8.9382	9.457	PASS
16QAM	LCH	50	0	8.9294	9.437	PASS
	MCH	50	0	8.9311	9.451	PASS
	HCH	50	0	8.9370	9.475	PASS

LTE Band 38:

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4827	4.795	PASS
	MCH	25	0	4.4818	4.793	PASS
	HCH	25	0	4.4677	4.881	PASS
16QAM	LCH	25	0	4.4725	4.851	PASS
	MCH	25	0	4.4758	4.830	PASS
	HCH	25	0	4.4657	4.850	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9200	9.340	PASS
	MCH	50	0	8.9064	9.285	PASS
	HCH	50	0	8.9308	9.362	PASS
16QAM	LCH	50	0	8.9253	9.352	PASS
	MCH	50	0	8.9064	9.319	PASS
	HCH	50	0	8.9293	9.309	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.354	13.95	PASS
	MCH	75	0	13.368	13.85	PASS
	HCH	75	0	13.384	13.87	PASS
16QAM	LCH	75	0	13.368	13.83	PASS
	MCH	75	0	13.367	13.93	PASS

	HCH	75	0	13.368	13.93	PASS
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Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.837	18.38	PASS
	MCH	100	0	17.831	18.42	PASS
	HCH	100	0	17.836	18.39	PASS
16QAM	LCH	100	0	17.810	18.29	PASS
	MCH	100	0	17.853	18.44	PASS
	HCH	100	0	17.821	18.40	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	4.4790	4.825	PASS
	MCH	25	0	4.4716	4.853	PASS
	HCH	25	0	4.4690	4.846	PASS
16QAM	LCH	25	0	4.4762	4.839	PASS
	MCH	25	0	4.4674	4.884	PASS
	HCH	25	0	4.4748	4.854	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9306	9.397	PASS
	MCH	50	0	8.9266	9.369	PASS
	HCH	50	0	8.9305	9.330	PASS
16QAM	LCH	50	0	8.9074	9.303	PASS
	MCH	50	0	8.9179	9.358	PASS
	HCH	50	0	8.9214	9.381	PASS

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.377	13.97	PASS
	MCH	75	0	13.380	13.89	PASS
	HCH	75	0	13.387	13.99	PASS
16QAM	LCH	75	0	13.366	13.95	PASS
	MCH	75	0	13.375	13.96	PASS
	HCH	75	0	13.354	13.86	PASS

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.834	18.40	PASS
	MCH	100	0	17.836	18.39	PASS
	HCH	100	0	17.812	18.34	PASS
16QAM	LCH	100	0	17.820	18.39	PASS
	MCH	100	0	17.815	18.46	PASS
	HCH	100	0	17.818	18.39	PASS

For GSM
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Test Channel=LCH



Test Channel=MCH

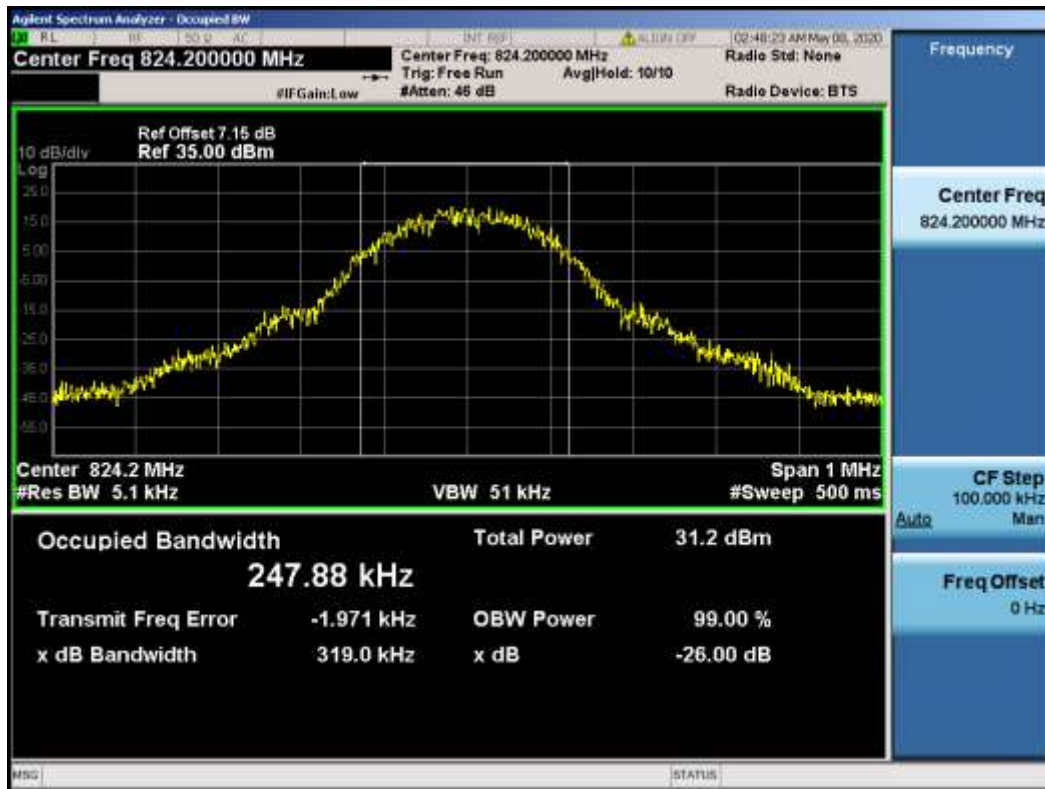


Test Channel=HCH

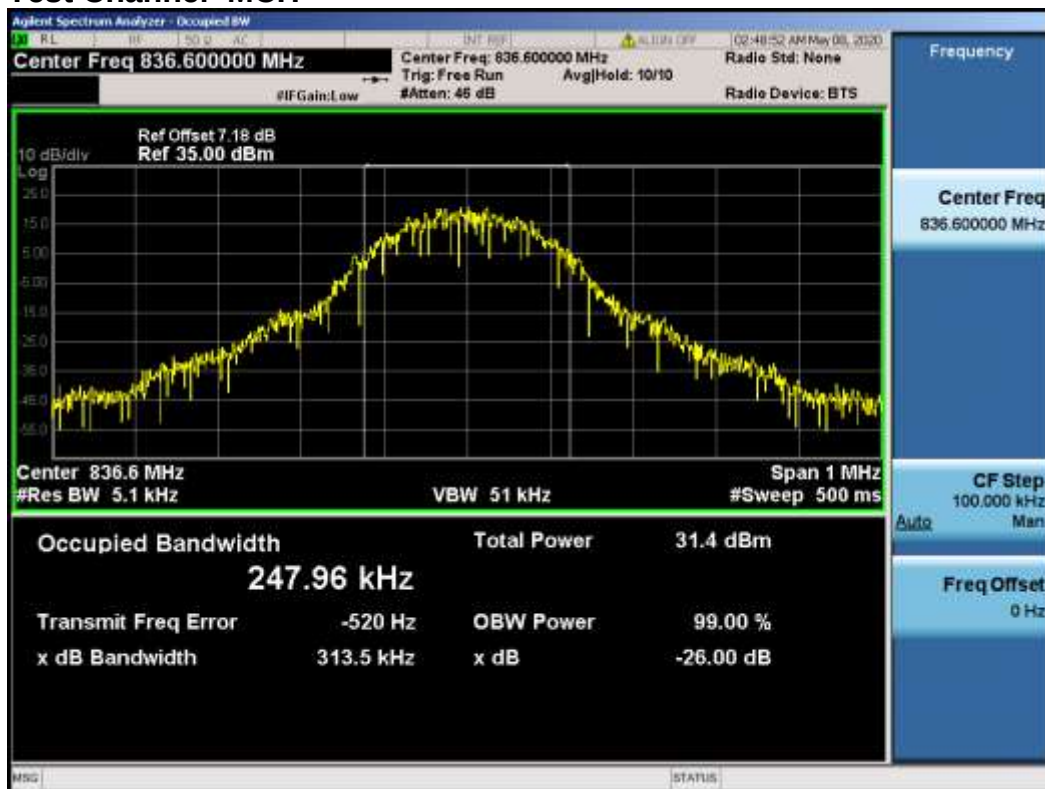


Test Mode=GSM/TM2

Test Channel=LCH



Test Channel=MCH



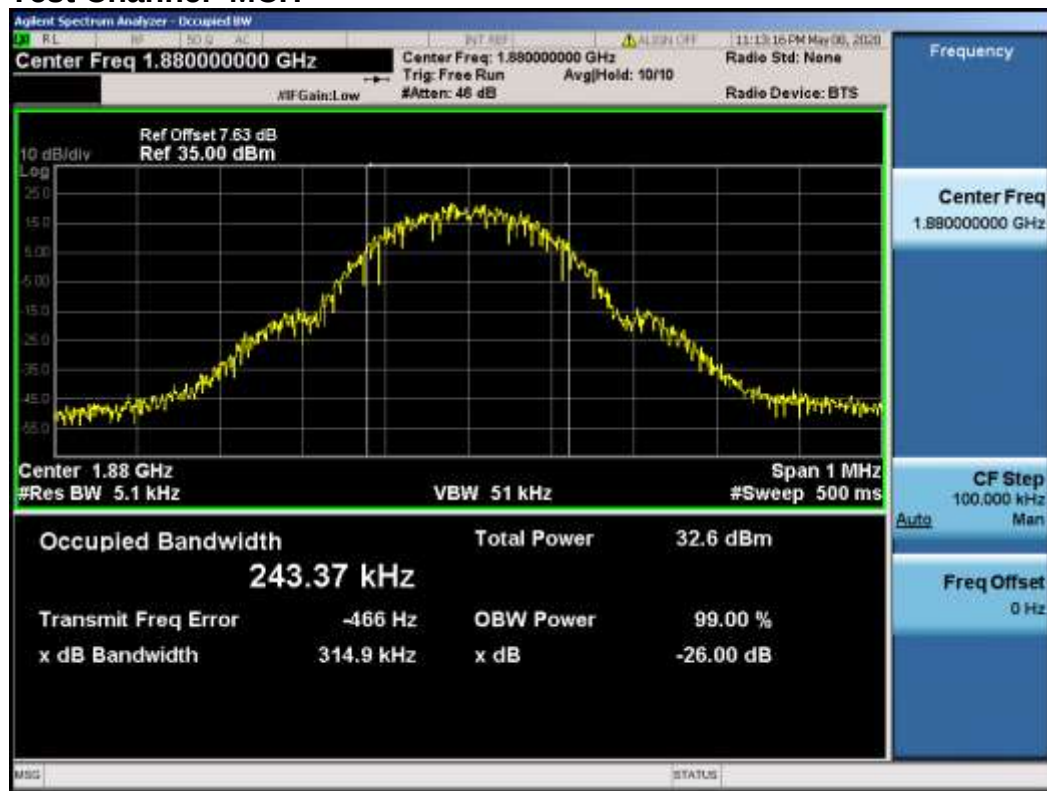
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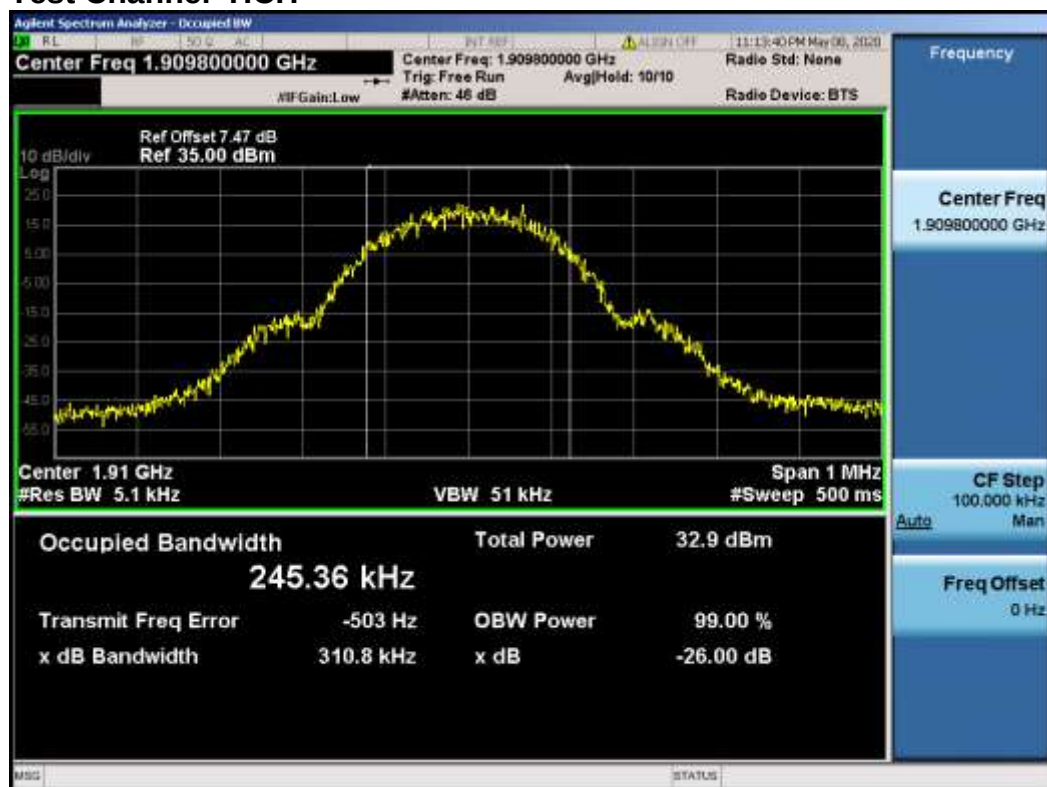
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Test Mode=GSM/TM1
Test Channel=LCH



Test Channel=MCH



Test Channel=HCH



Test Mode=GSM/TM2

Test Channel=LCH



Test Channel=MCH



Test Channel=HCH



For WCDMA
 Test Band=WCDMA850
 Test Mode=UMTS/TM3
 Test Channel=LCH



Test Channel=MCH



Test Channel=HCH



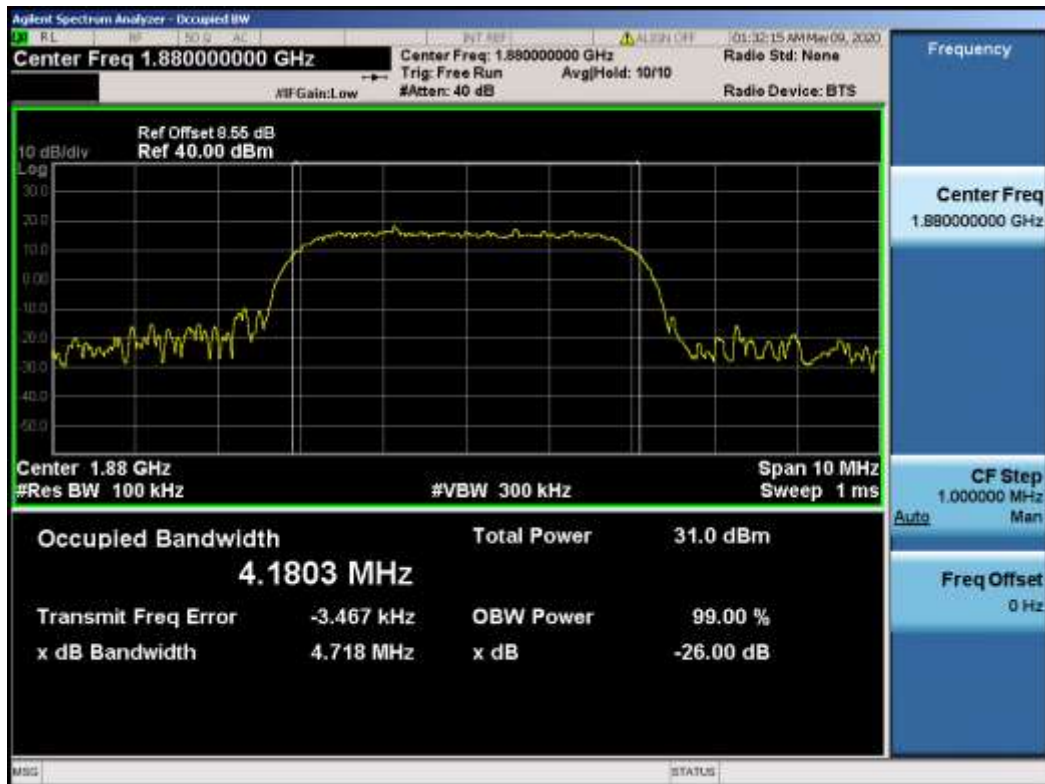
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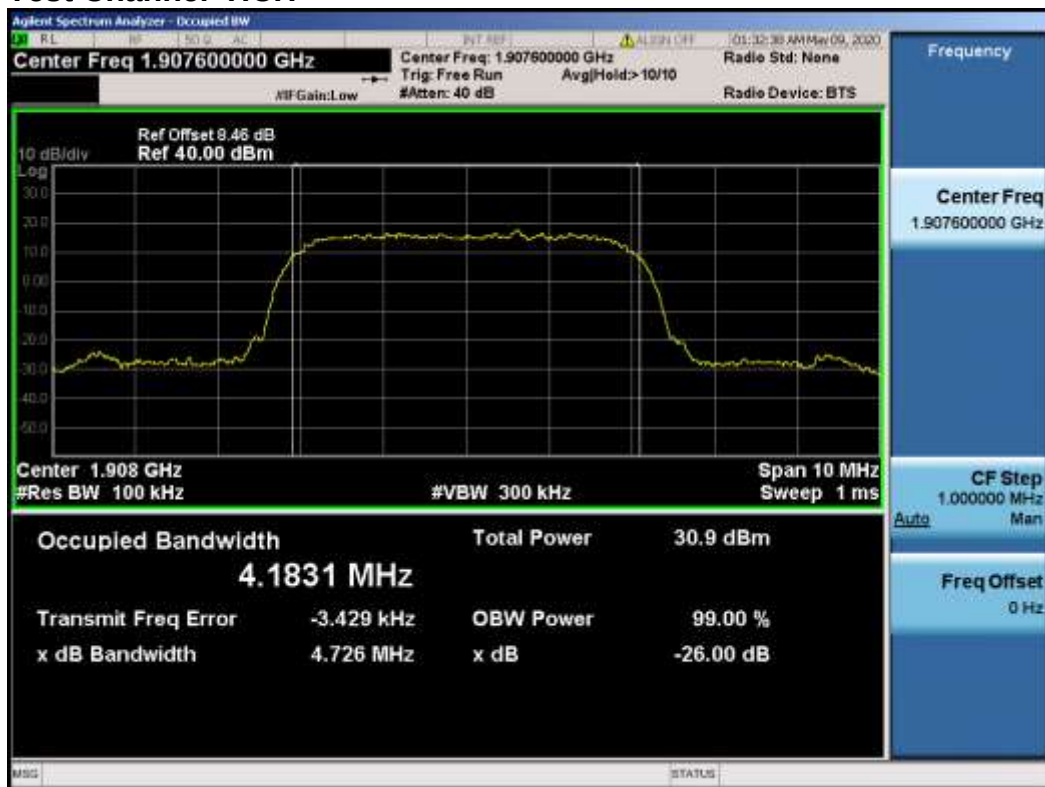
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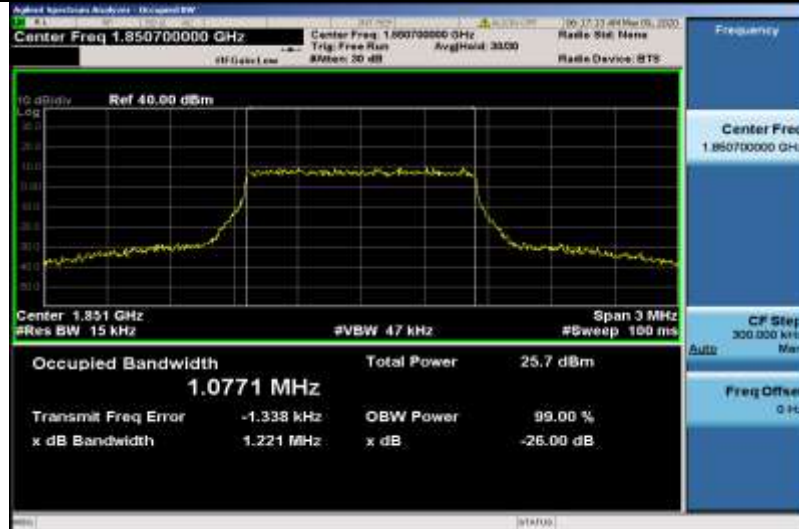
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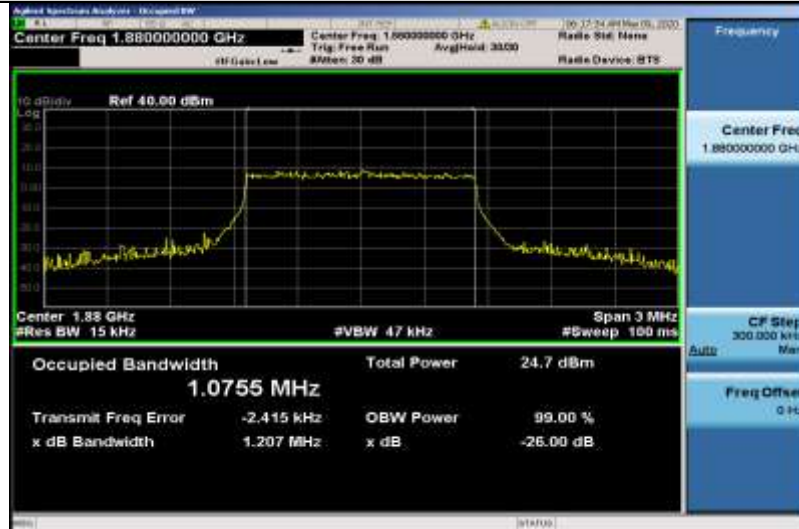
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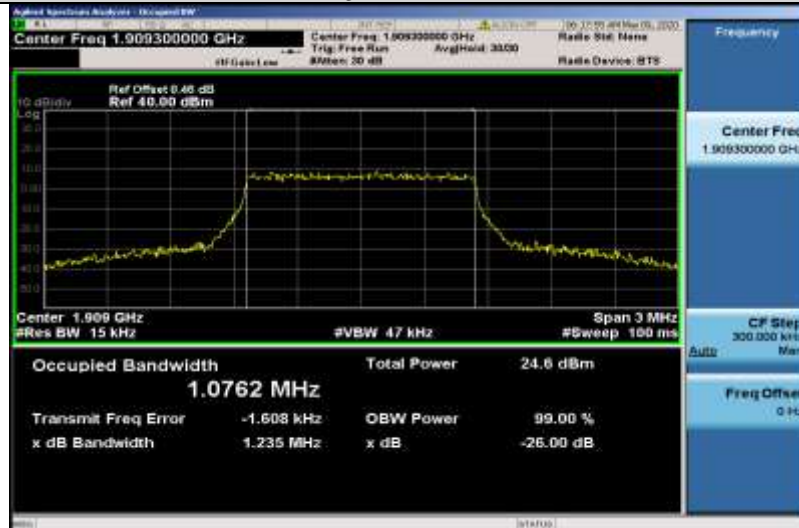
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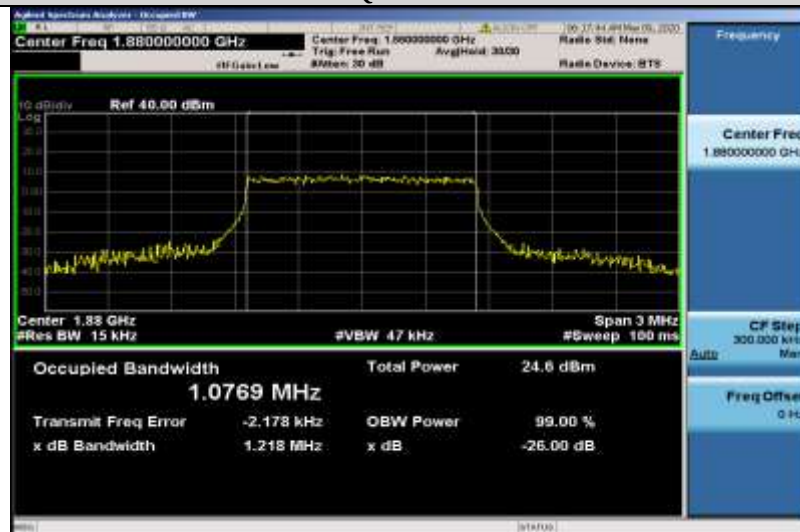
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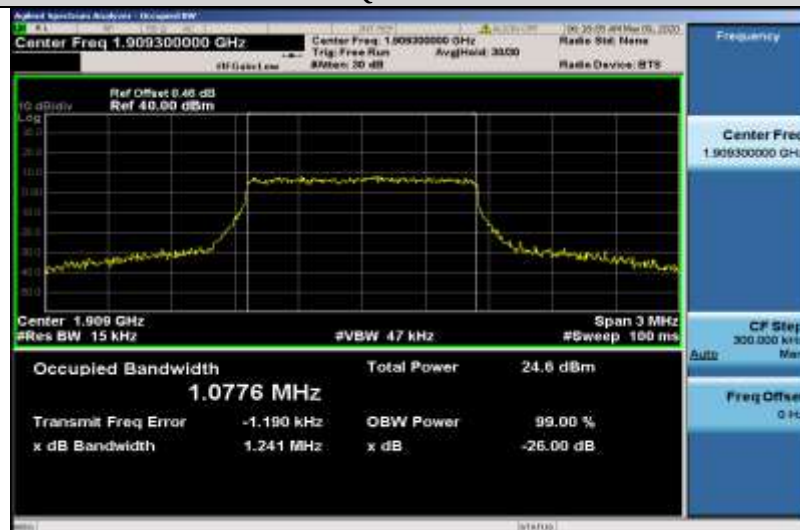
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Band2-3MHz-QPSK-18615-15RB#0-2.6812



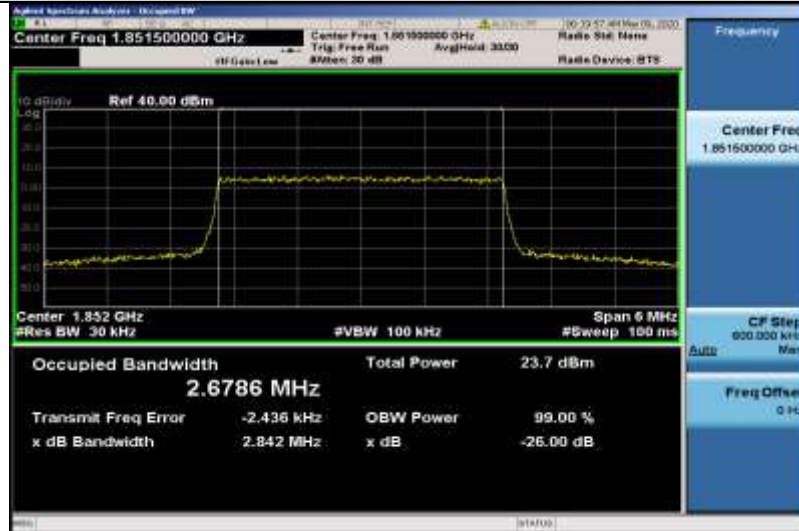
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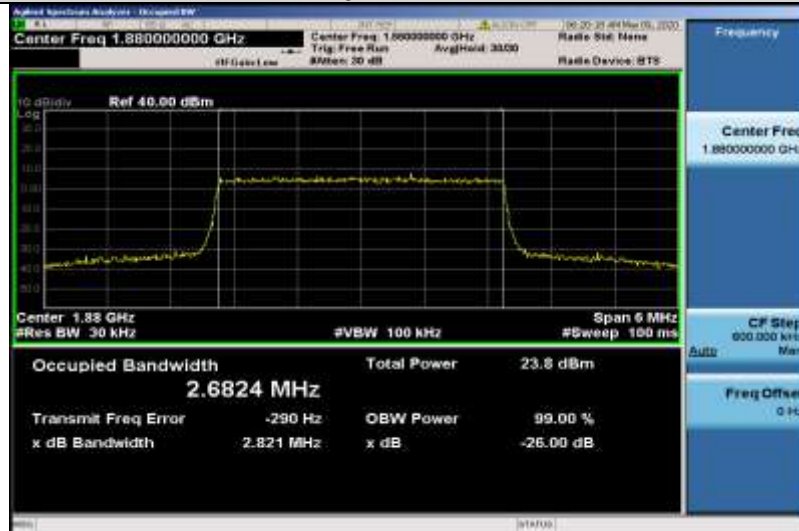
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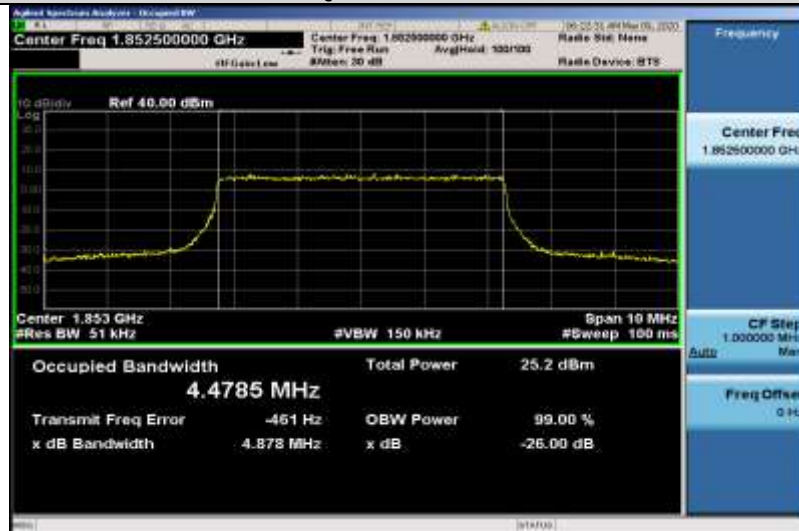
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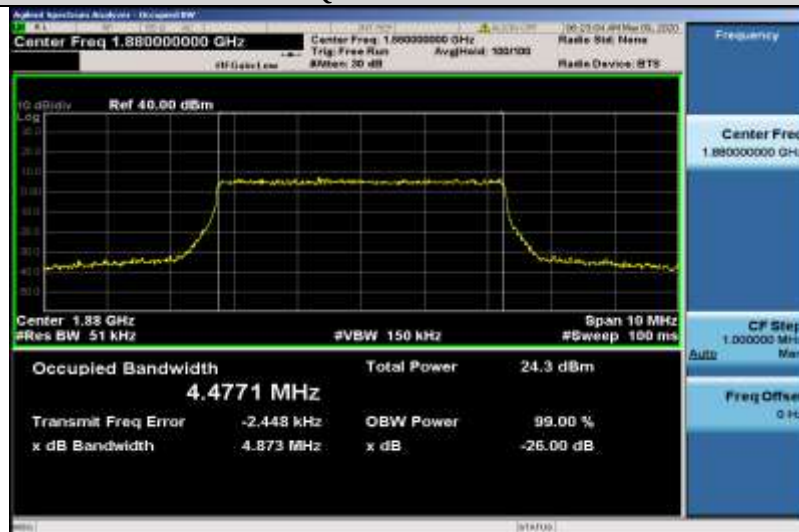
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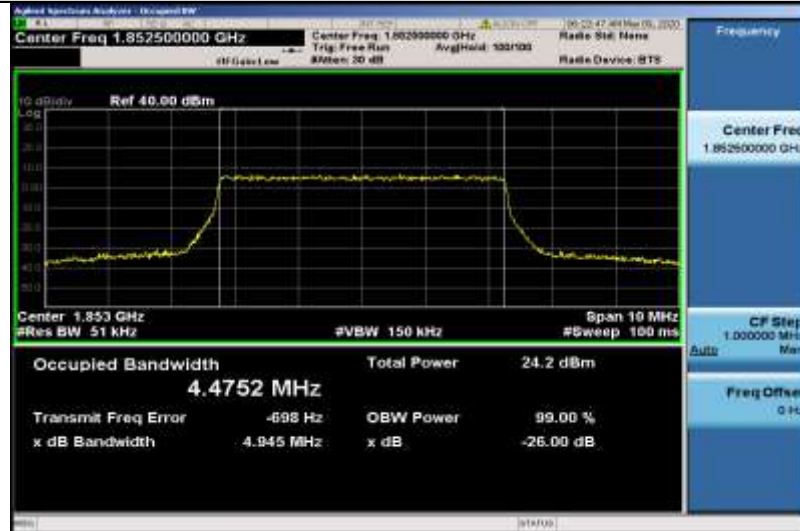
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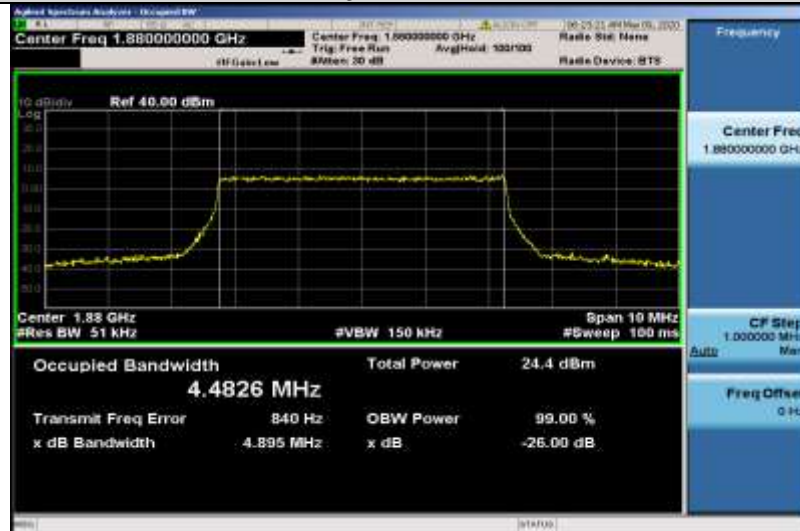
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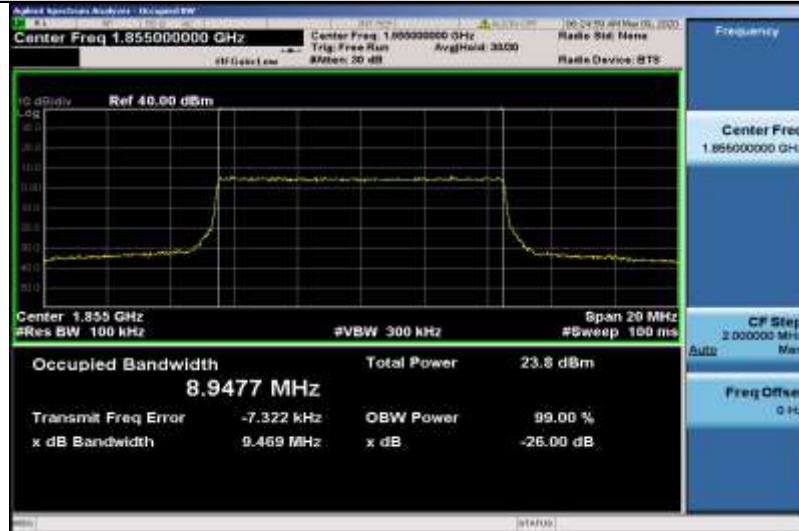
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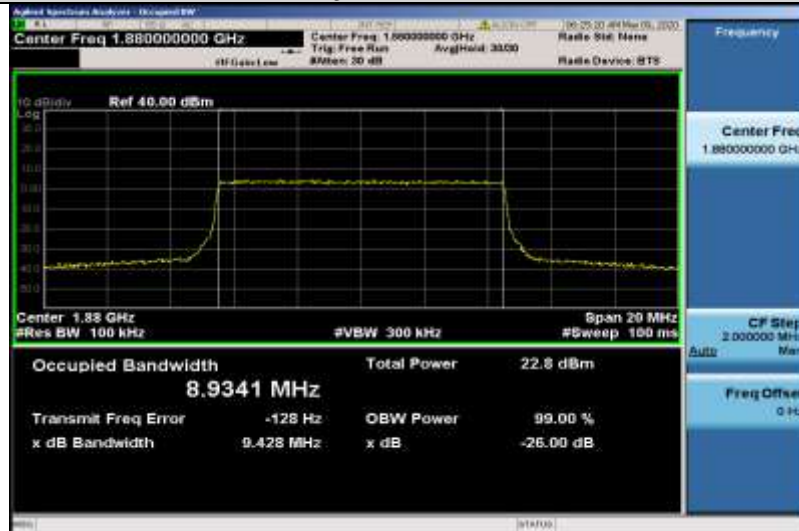
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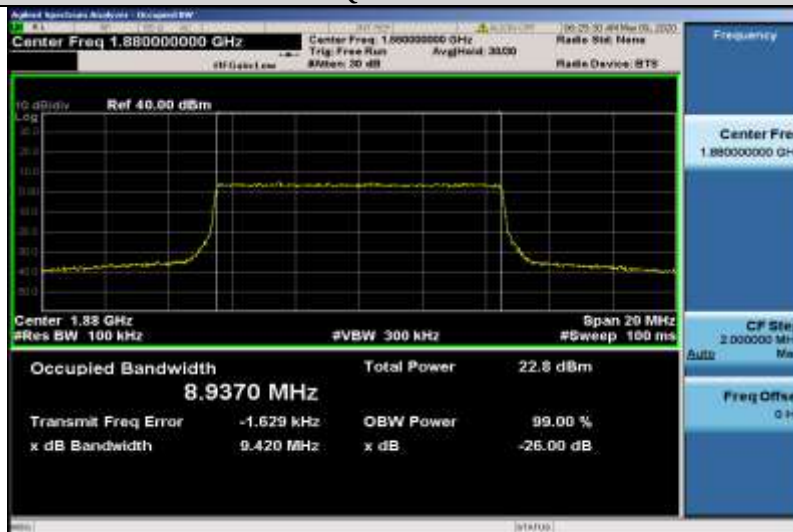
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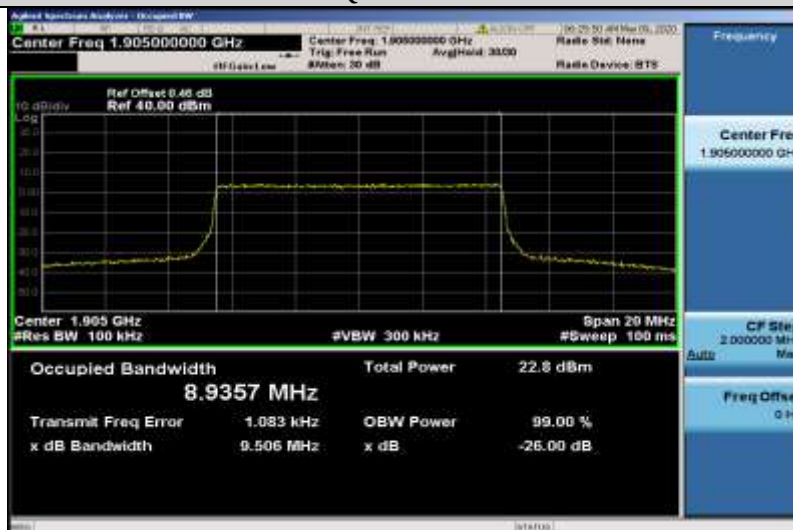
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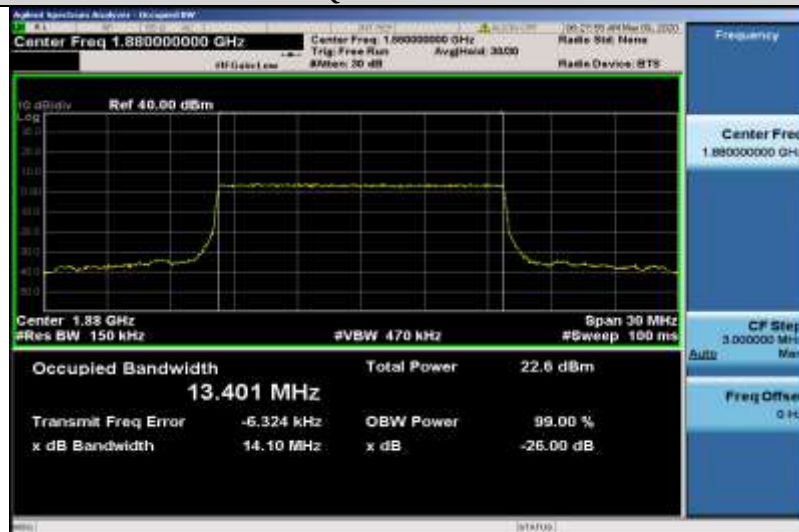
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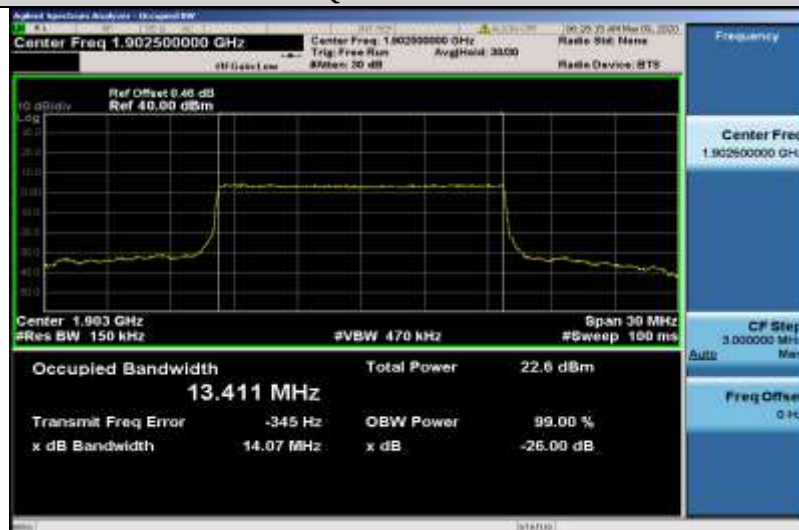
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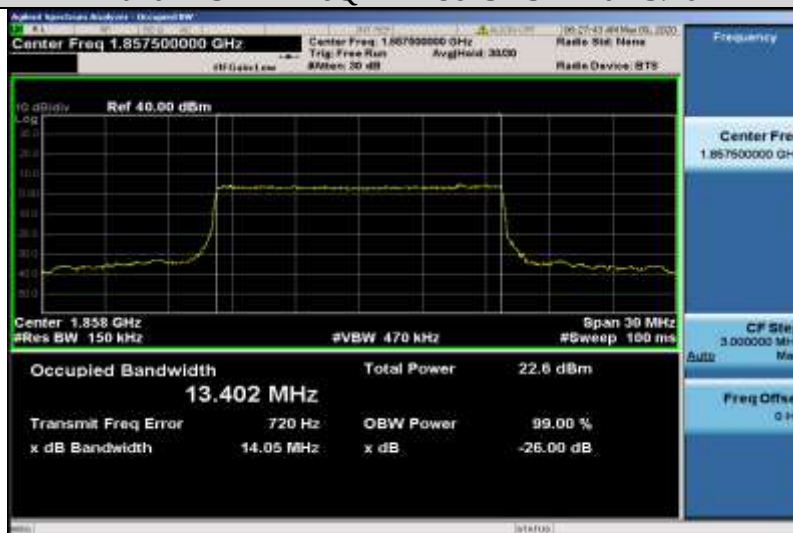
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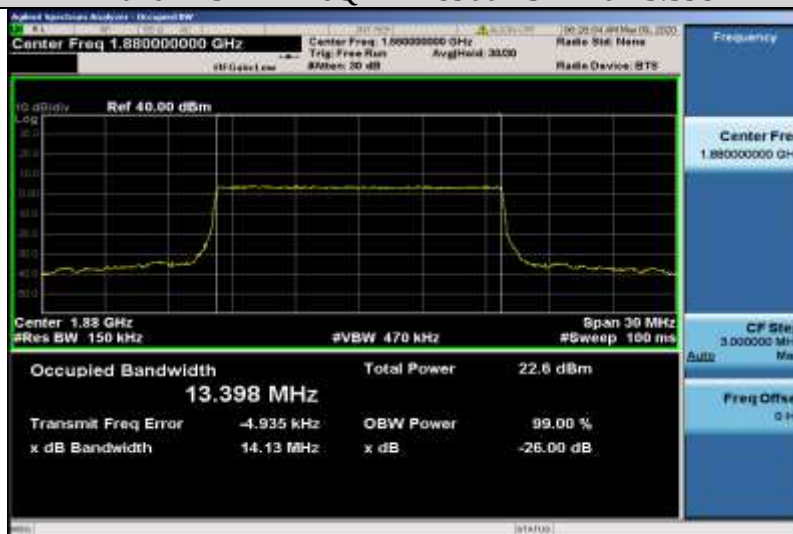
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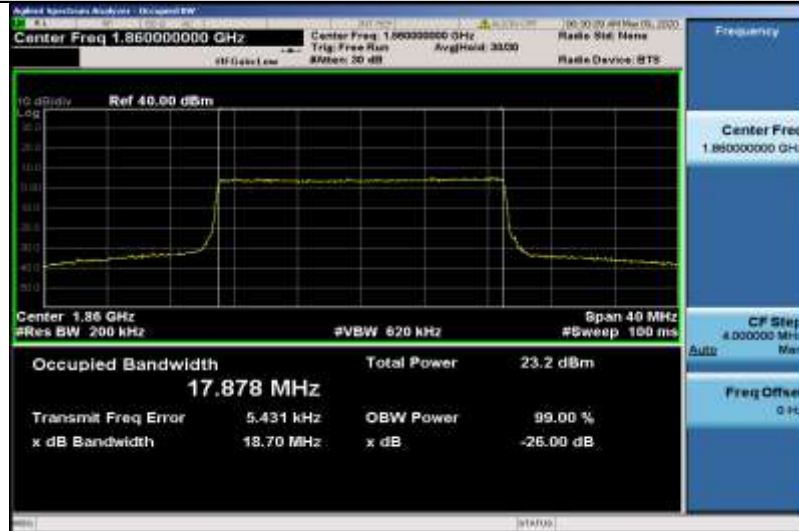
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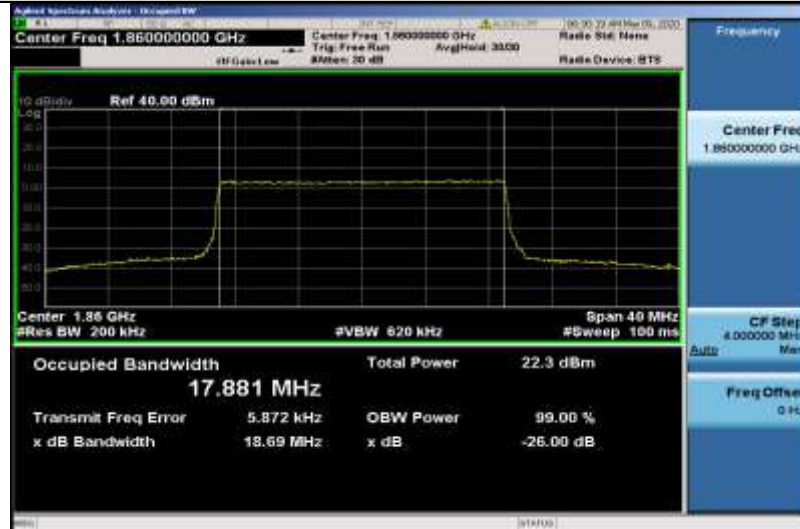
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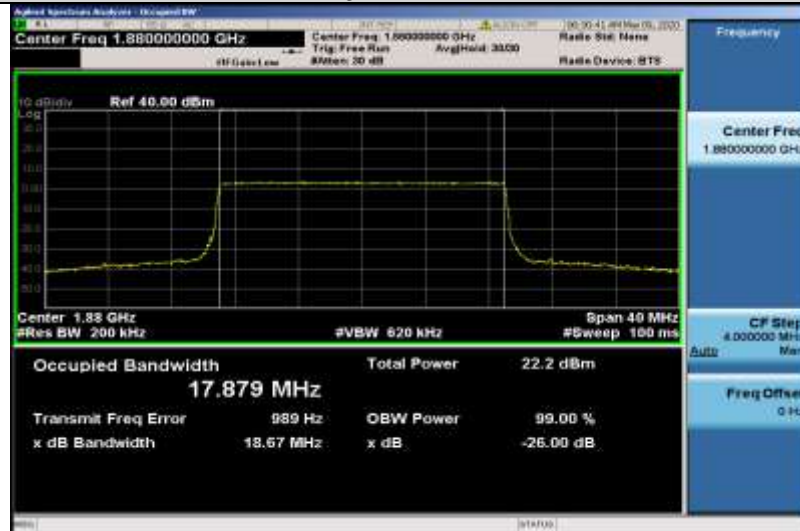
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Band2-20MHz-16QAM-18700-100RB#0-17.881



Band2-20MHz-16QAM-18900-100RB#0-17.879



Band2-20MHz-16QAM-19100-100RB#0-17.876



Band4-1.4MHz-QPSK-19957-6RB#0-1.0769



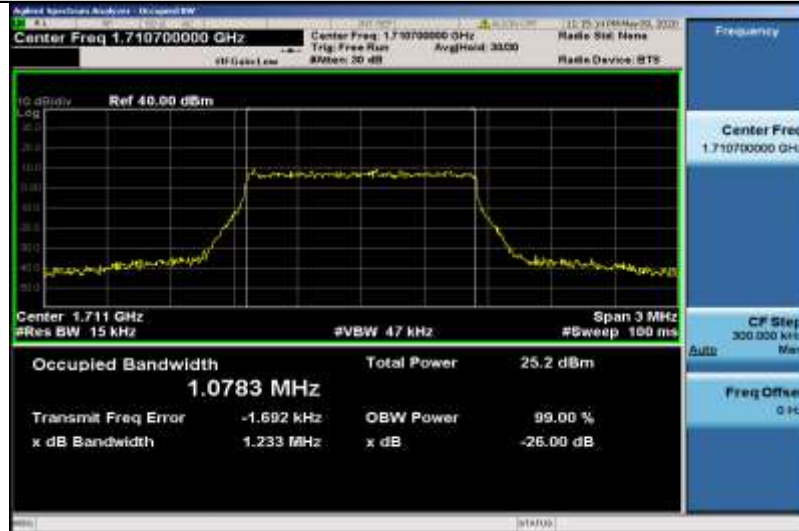
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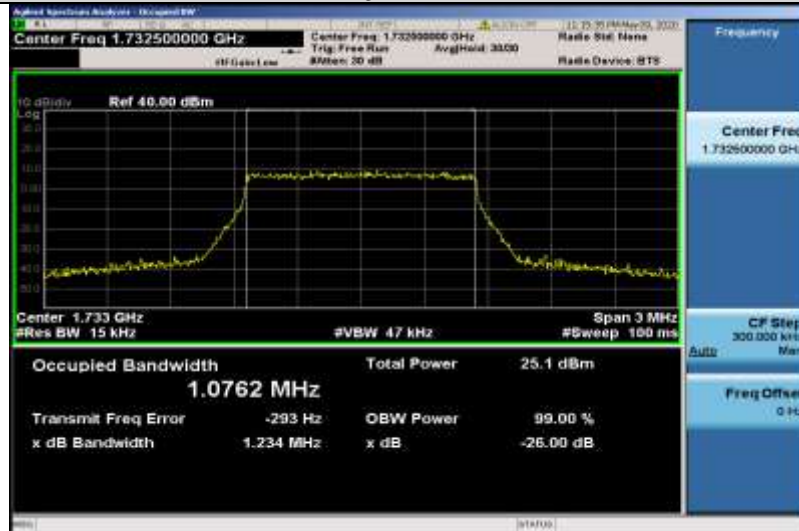
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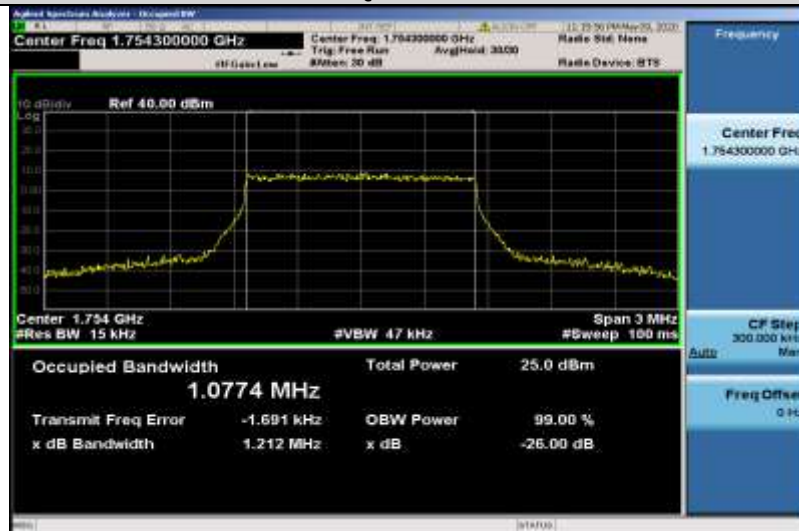
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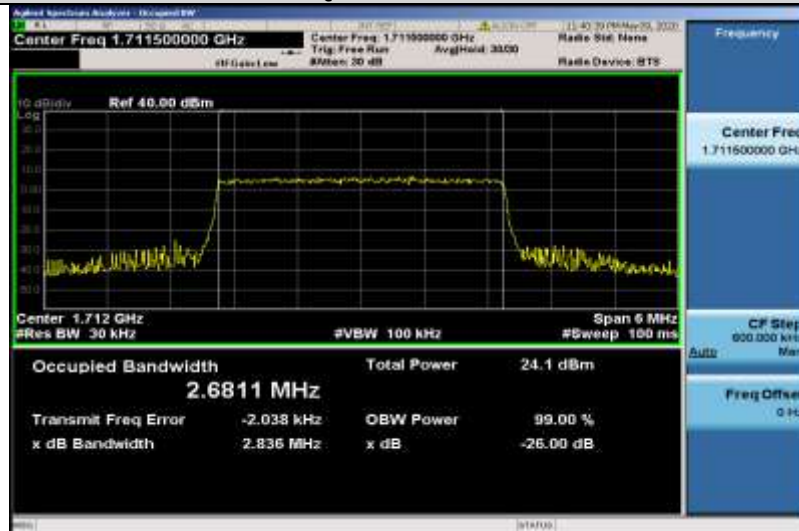
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Band4-1.4MHz-16QAM-20393-6RB#0-1.0774



Band4-3MHz-QPSK-19965-15RB#0-2.6811



Band4-3MHz-QPSK-20175-15RB#0-2.6790



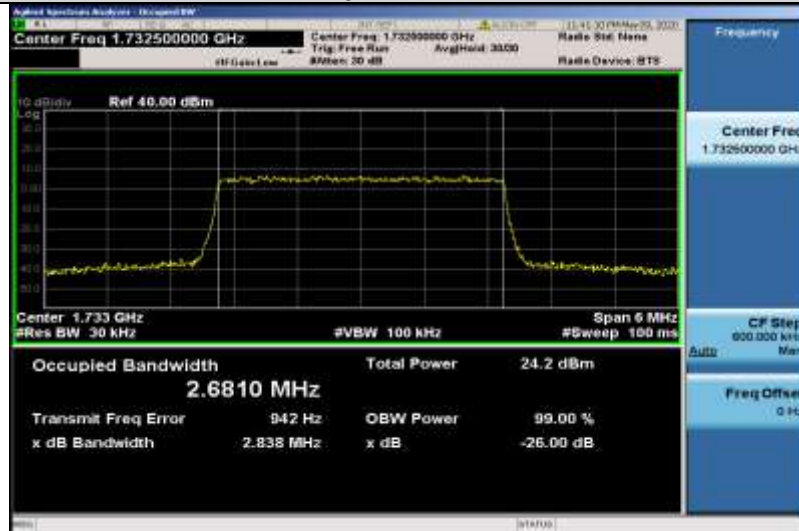
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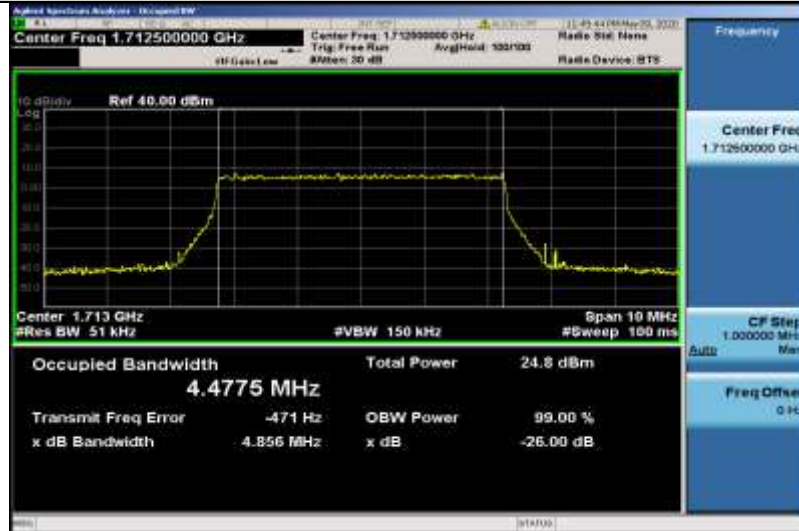
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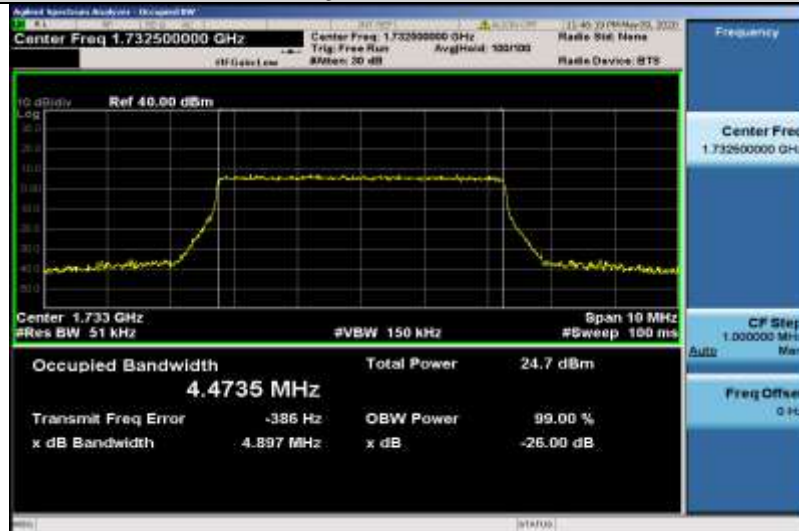
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Band4-5MHz-QPSK-19975-25RB#0-4.4775



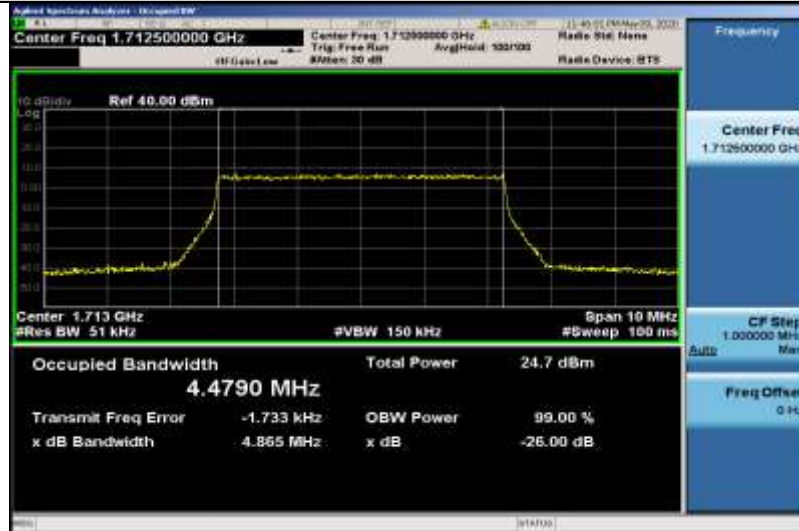
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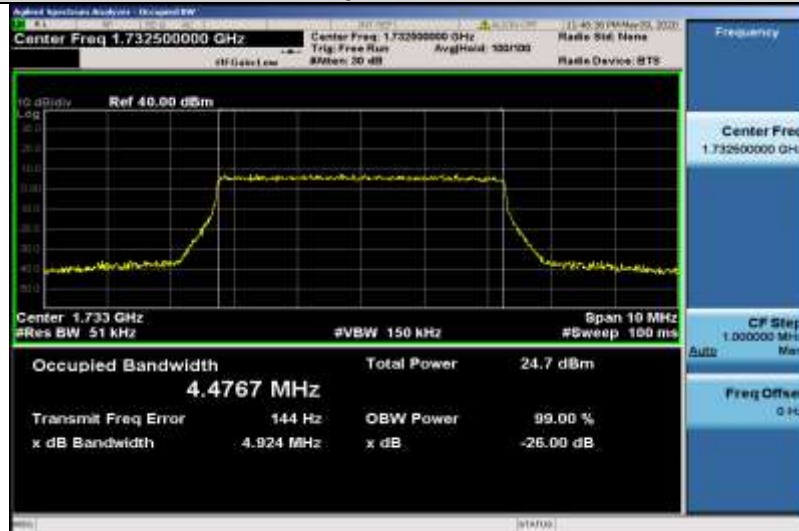
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Band4-5MHz-16QAM-19975-25RB#0-4.4790



Band4-5MHz-16QAM-20175-25RB#0-4.4767



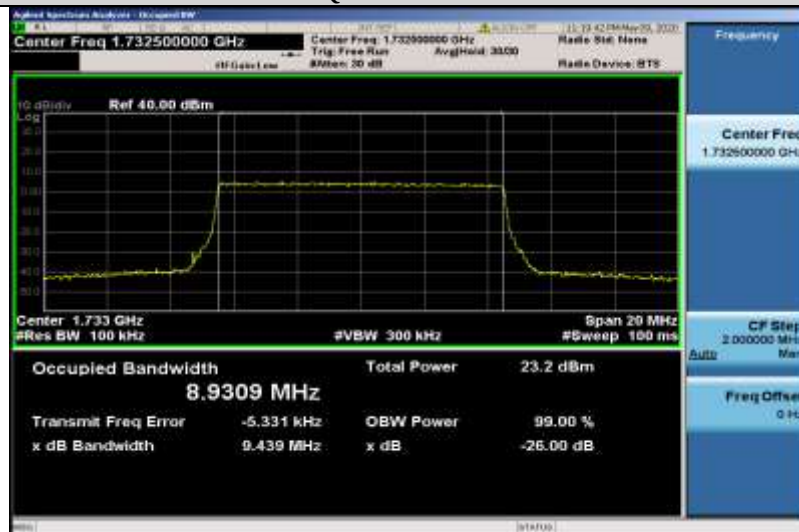
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Band4-10MHz-QPSK-20000-50RB#0-8.9331



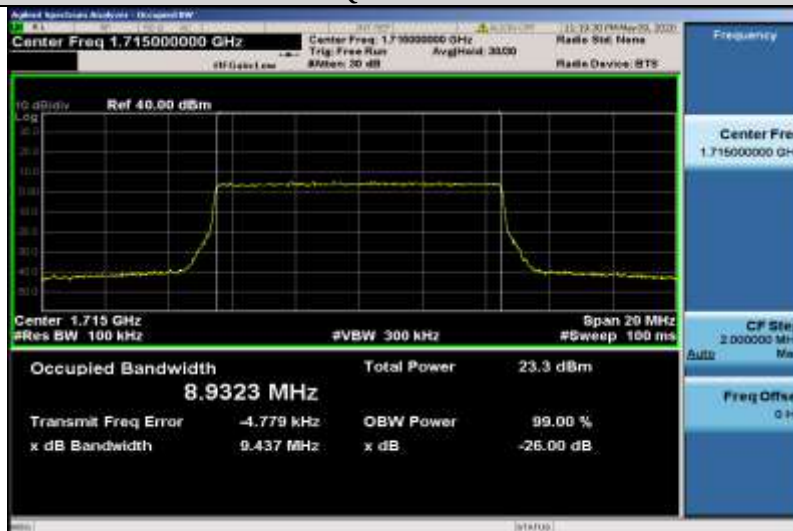
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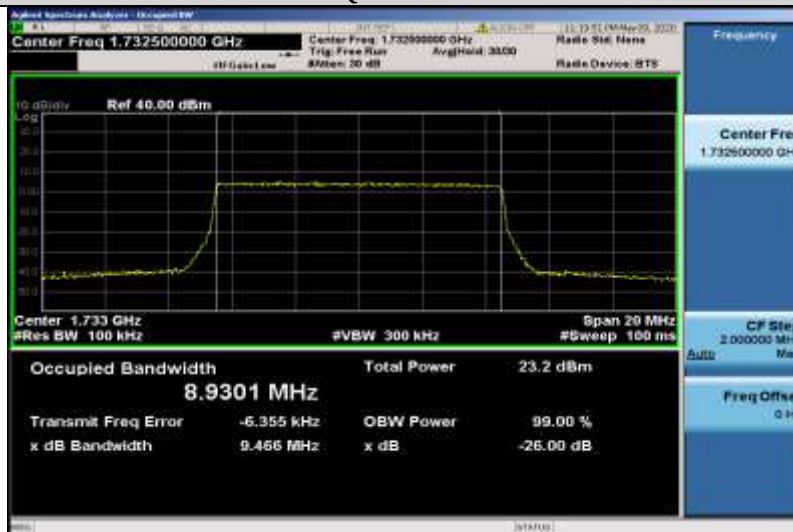
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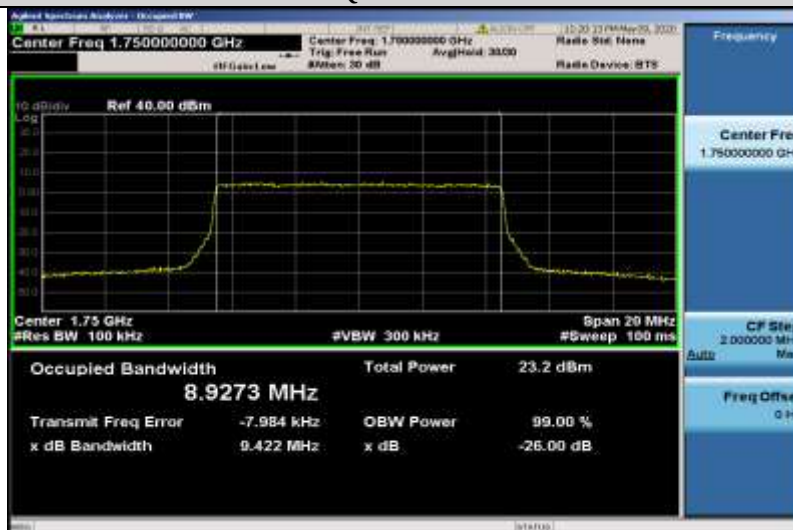
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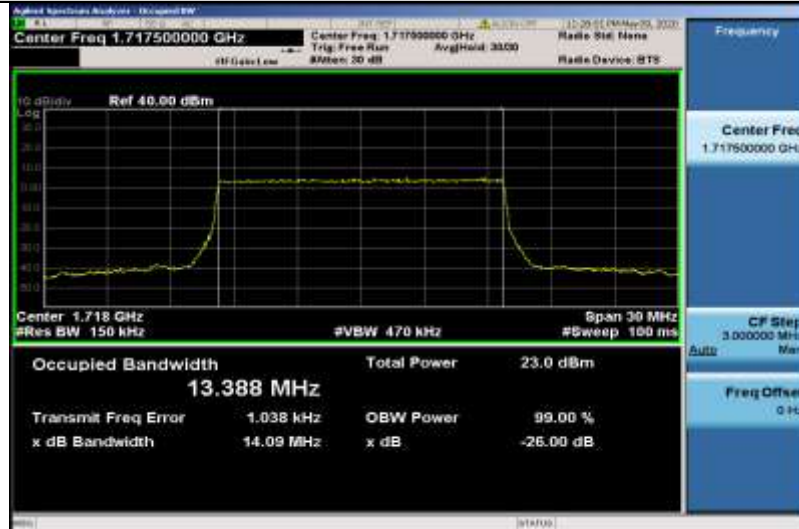
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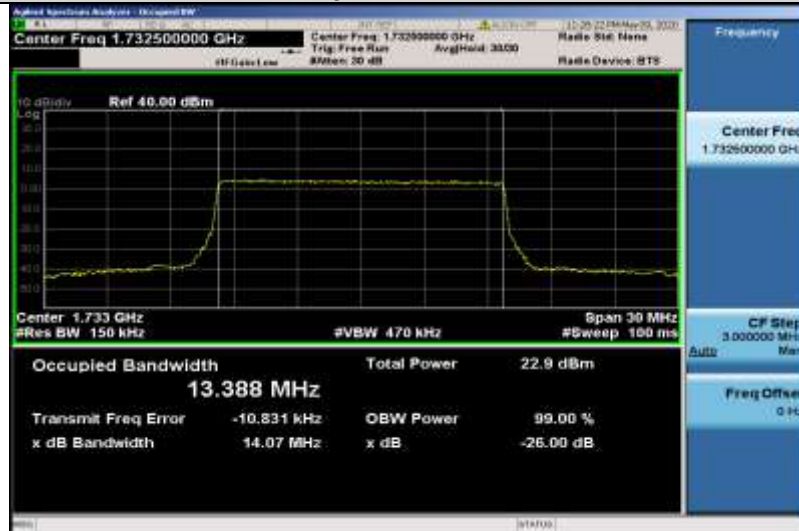
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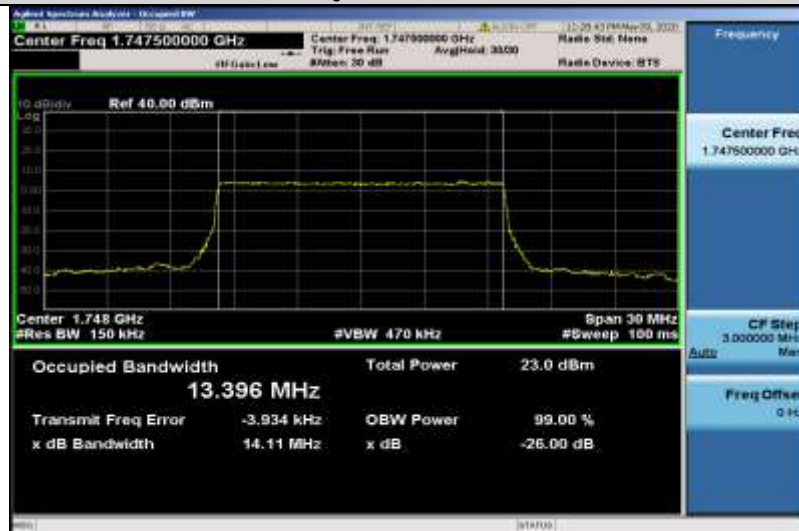
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Band4-15MHz-QPSK-20175-75RB#0-13.388



Band4-15MHz-QPSK-20325-75RB#0-13.396



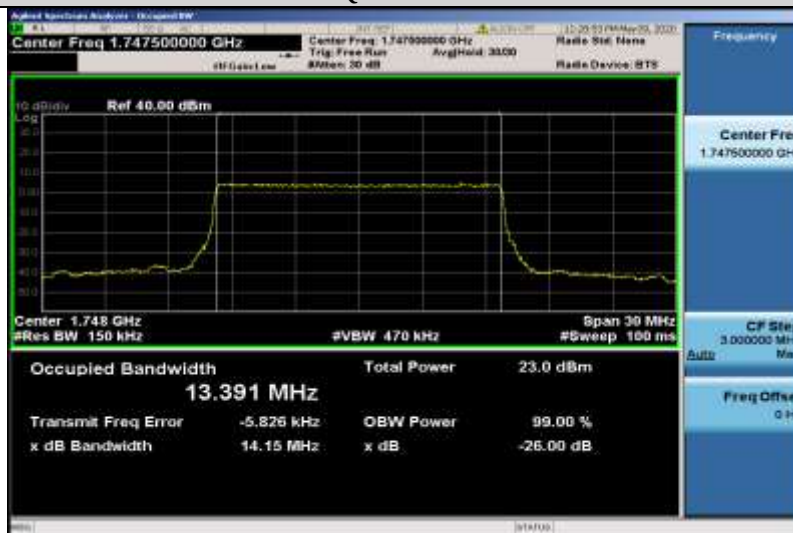
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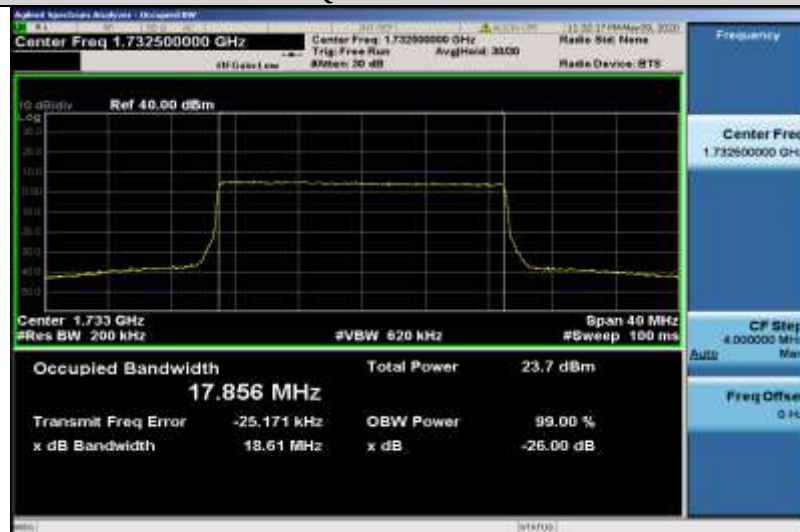
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Band4-20MHz-QPSK-20050-100RB#0-17.855



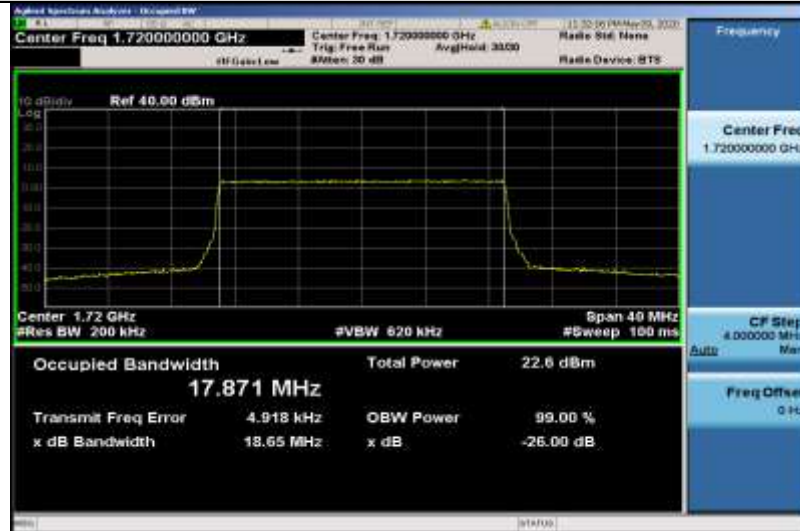
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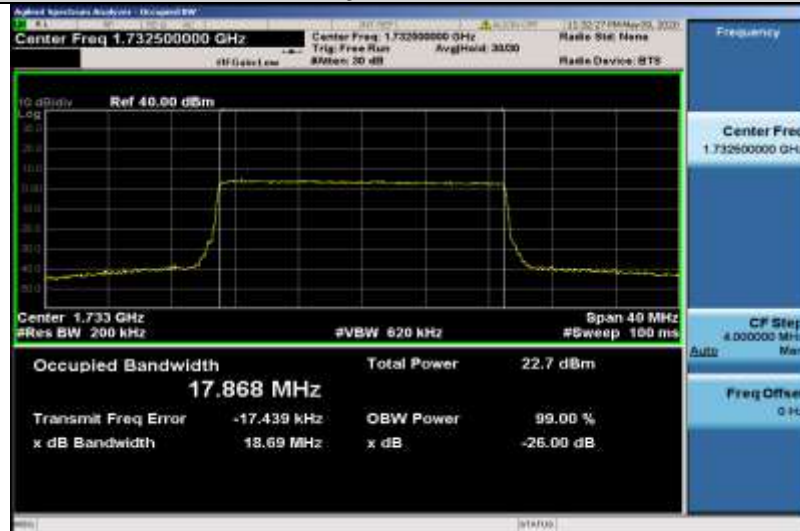
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Band4-20MHz-16QAM-20050-100RB#0-17.871



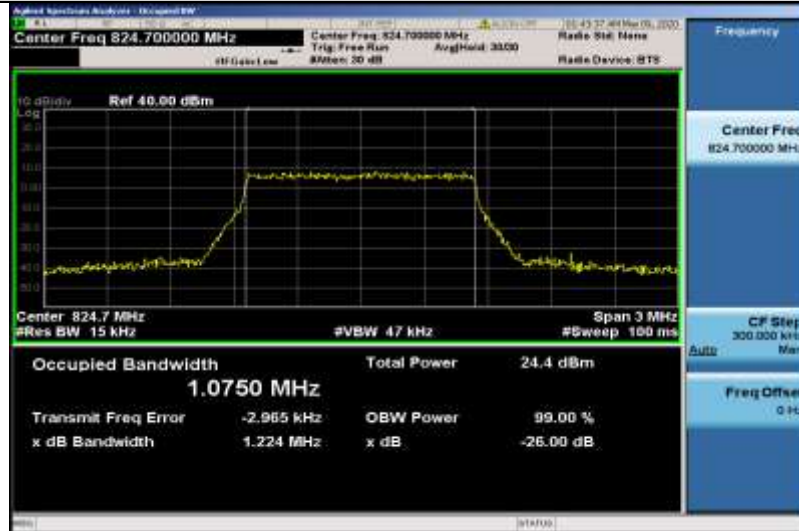
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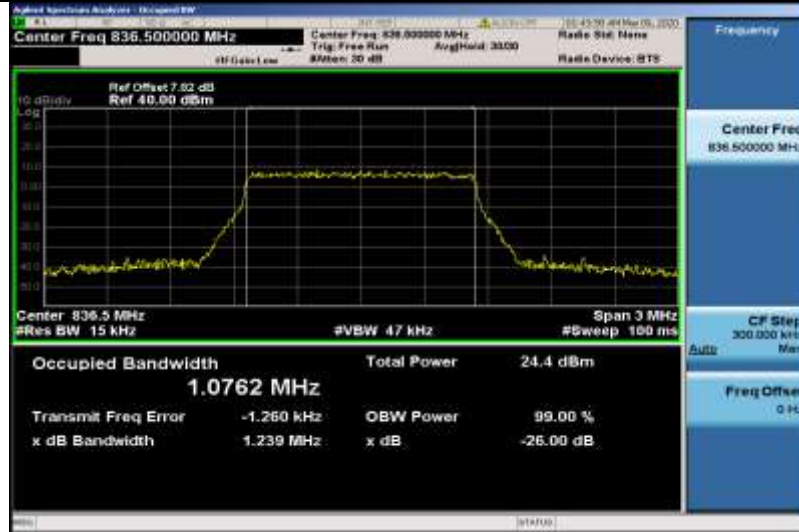
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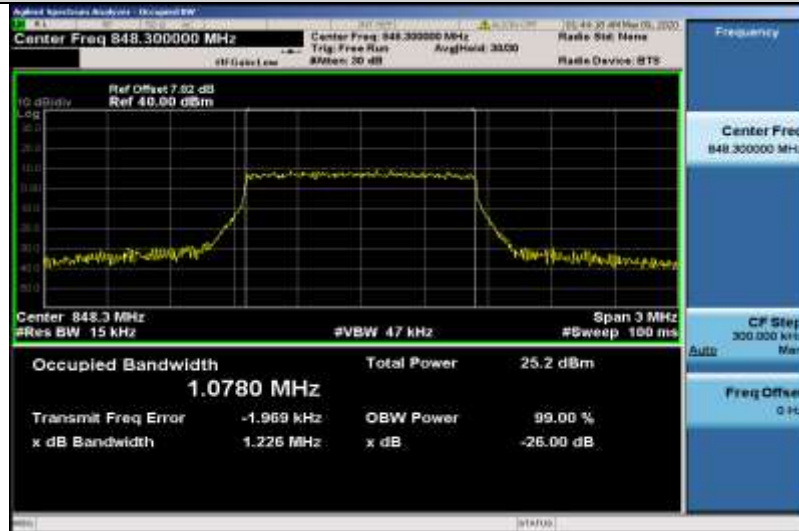
Band5-1.4MHz-QPSK-20407-6RB#0-1.0750



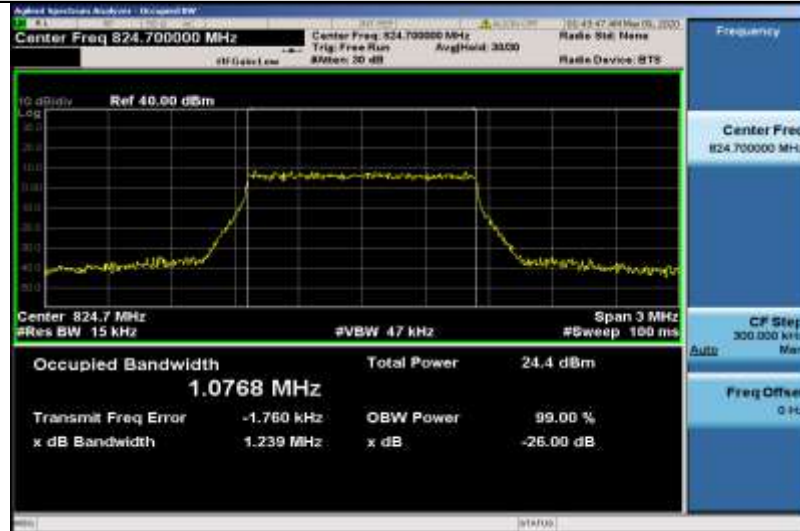
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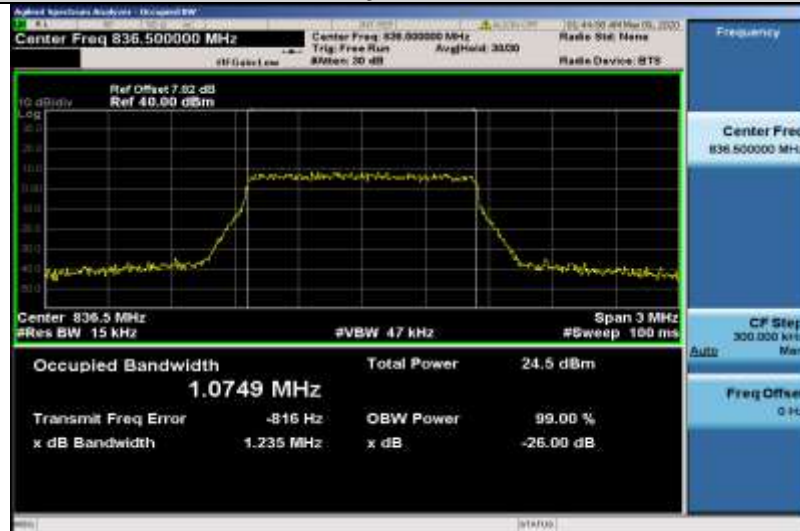
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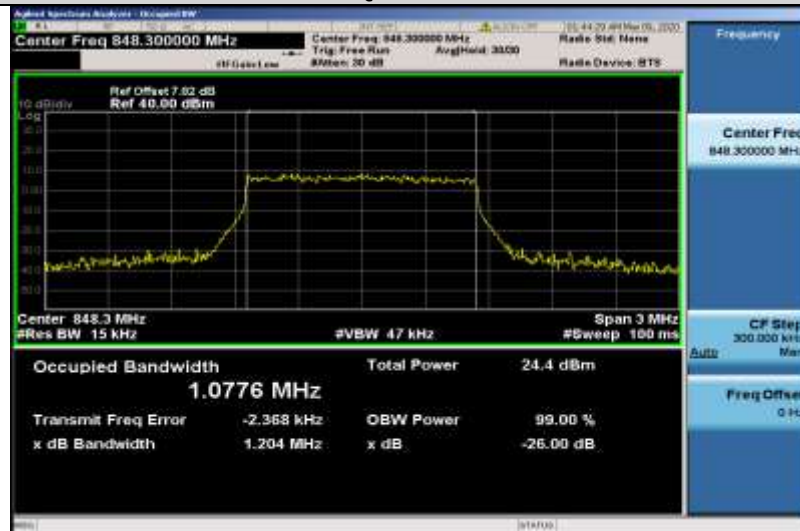
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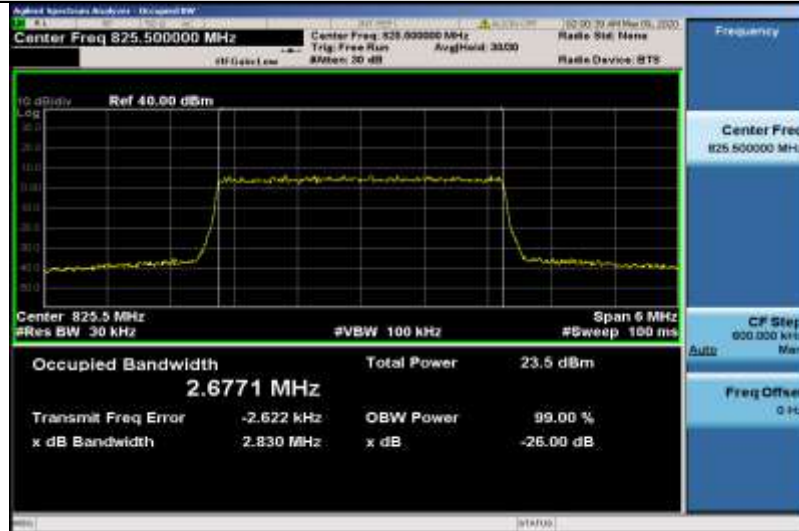
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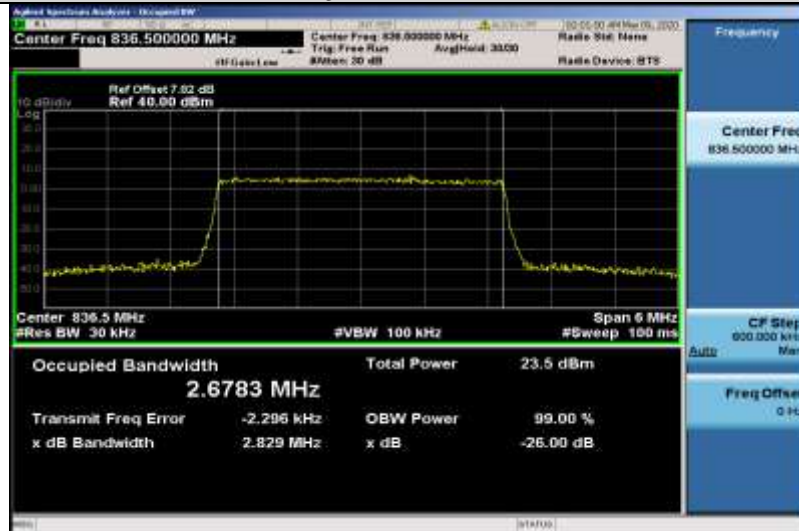
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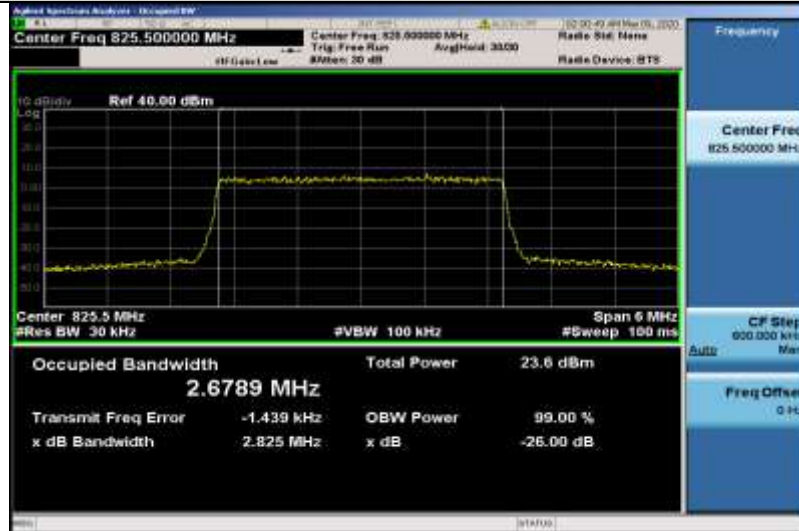
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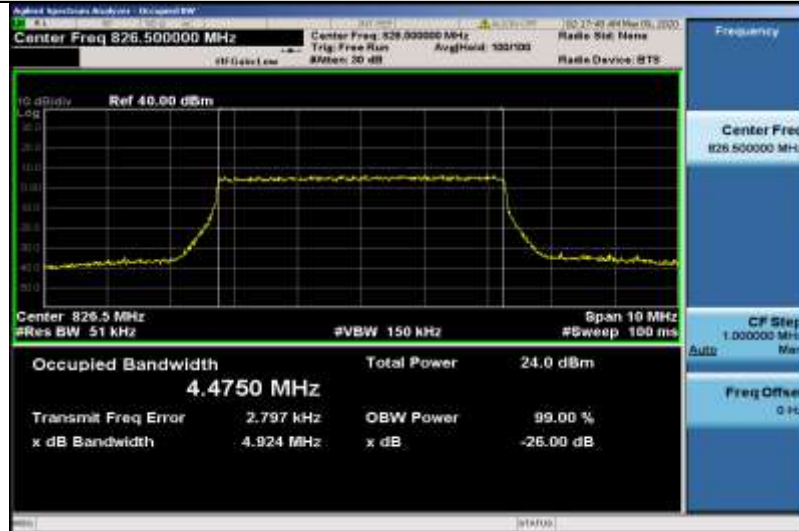
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Band5-3MHz-16QAM-20635-15RB#0-2.6787



Band5-5MHz-QPSK-20425-25RB#0-4.4750



Band5-5MHz-QPSK-20525-25RB#0-4.4729



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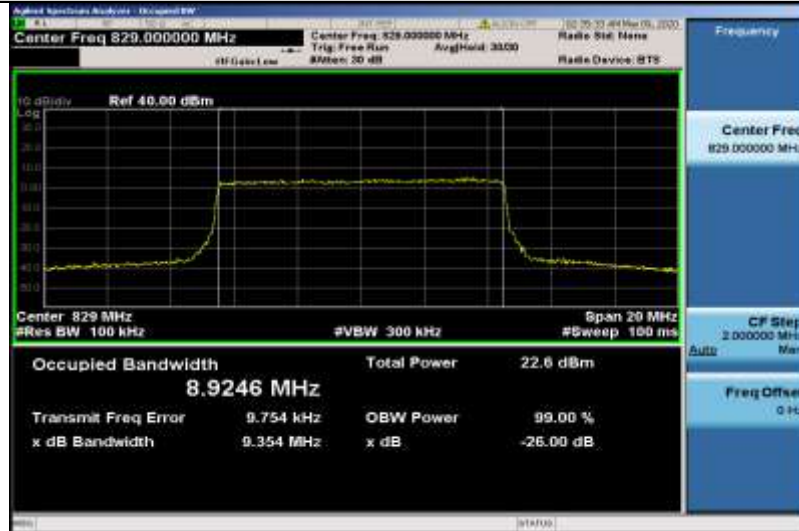
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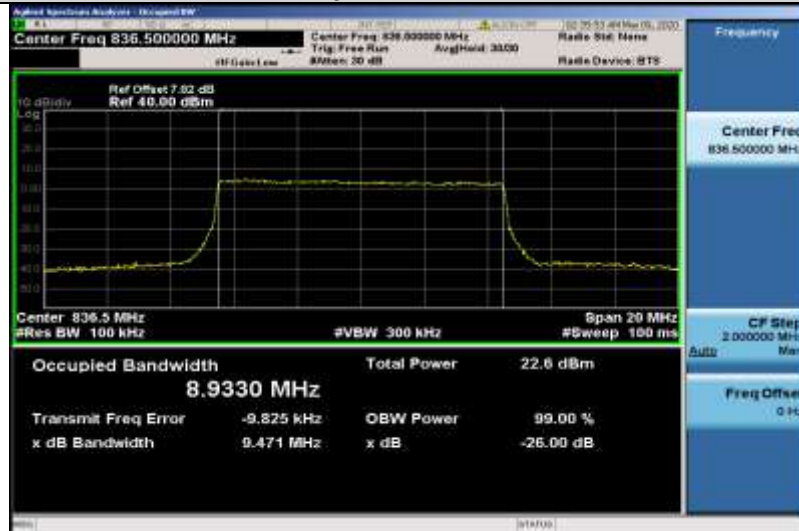
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Band5-10MHz-QPSK-20450-50RB#0-8.9246



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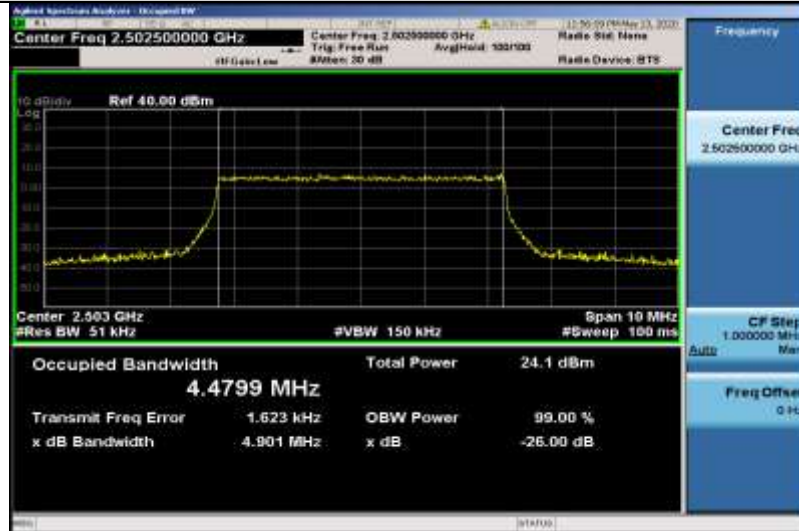
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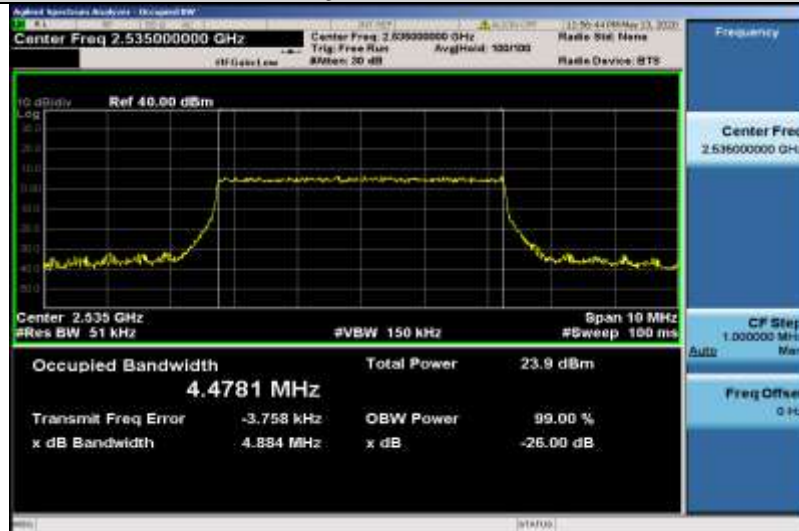
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Band7-5MHz-QPSK-20775-25RB#0-4.4799



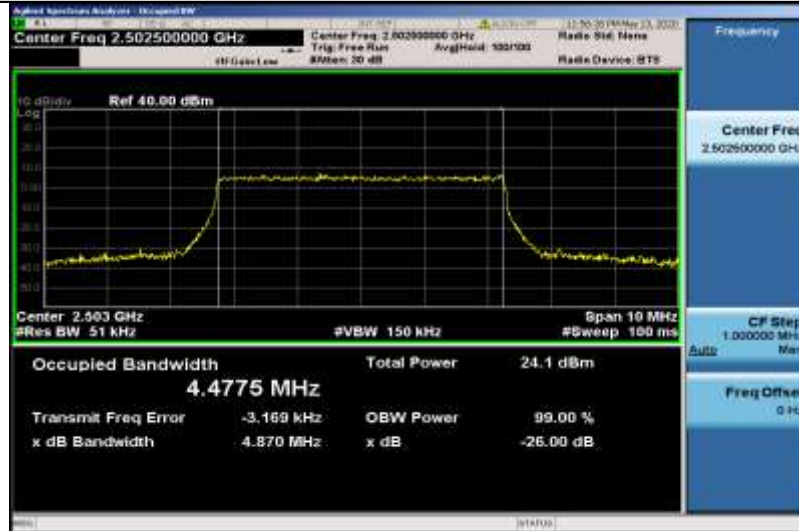
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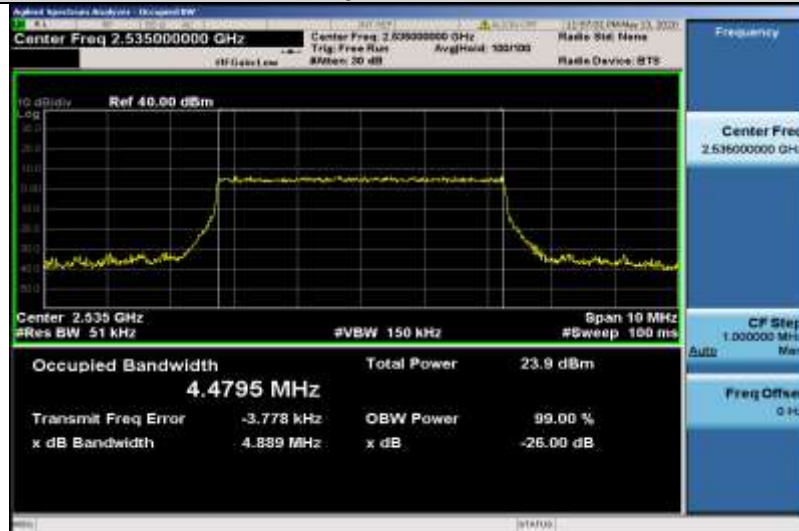
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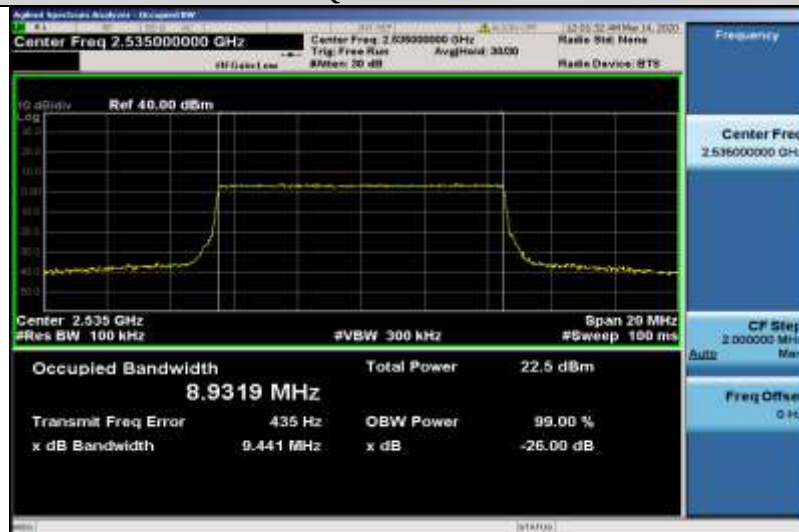
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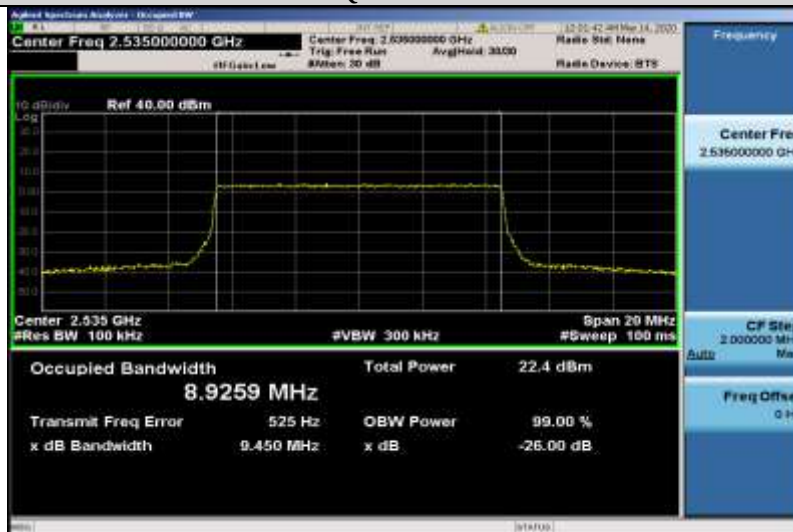
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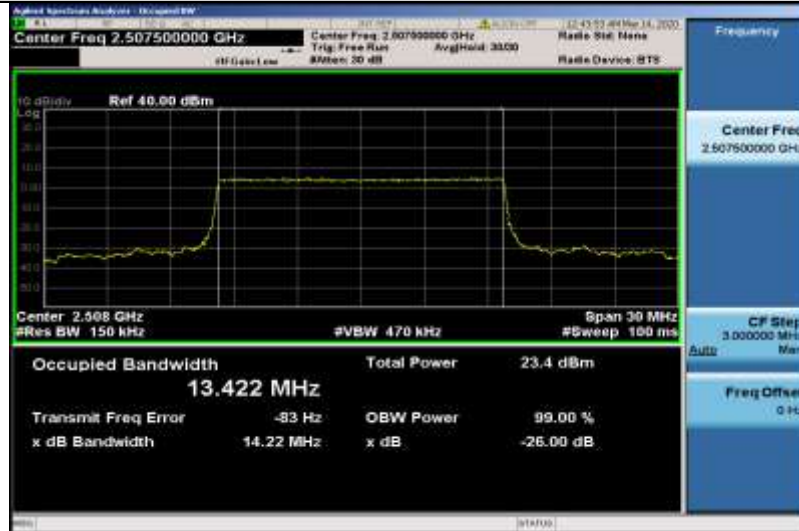
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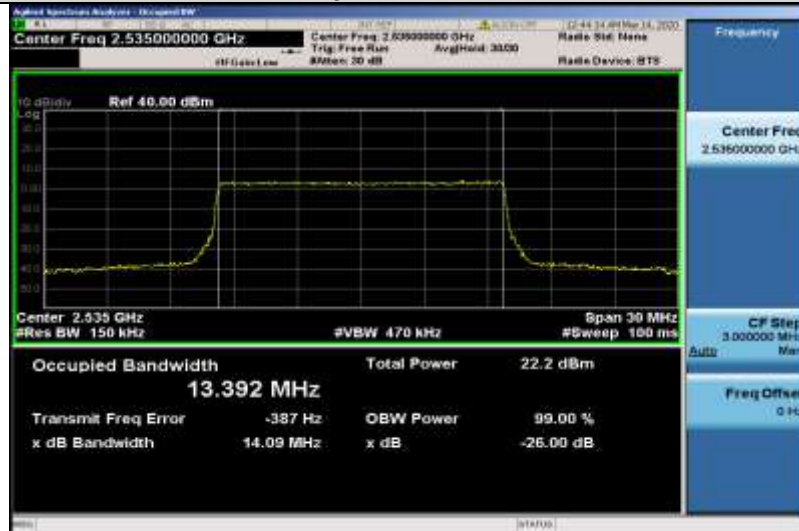
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Band7-15MHz-QPSK-20825-75RB#0-13.422



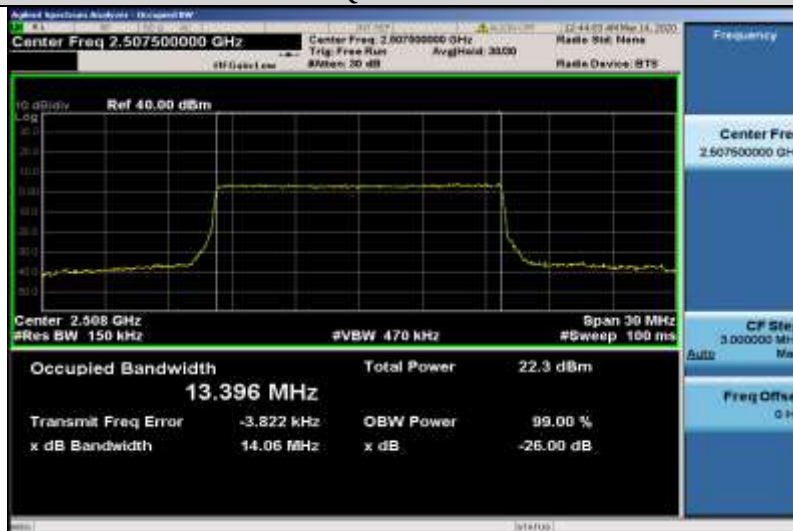
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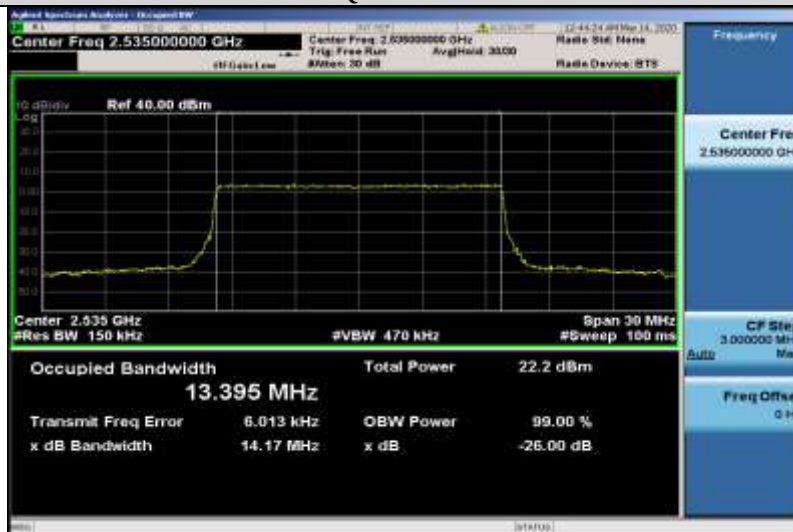
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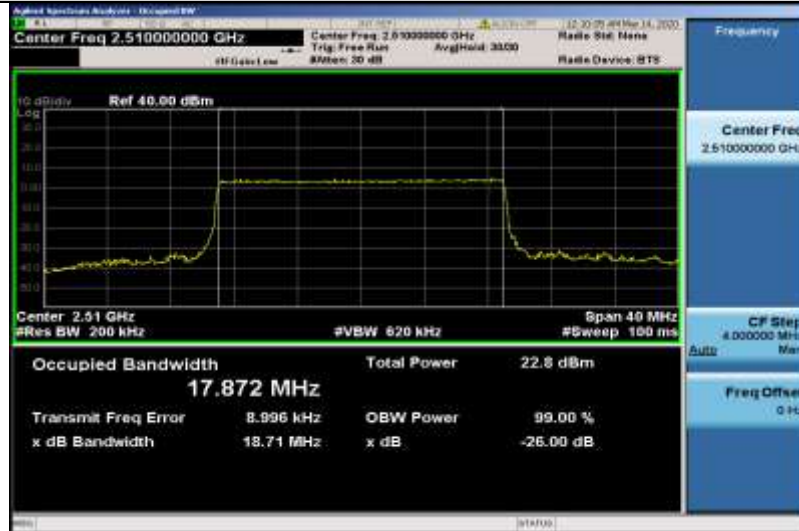
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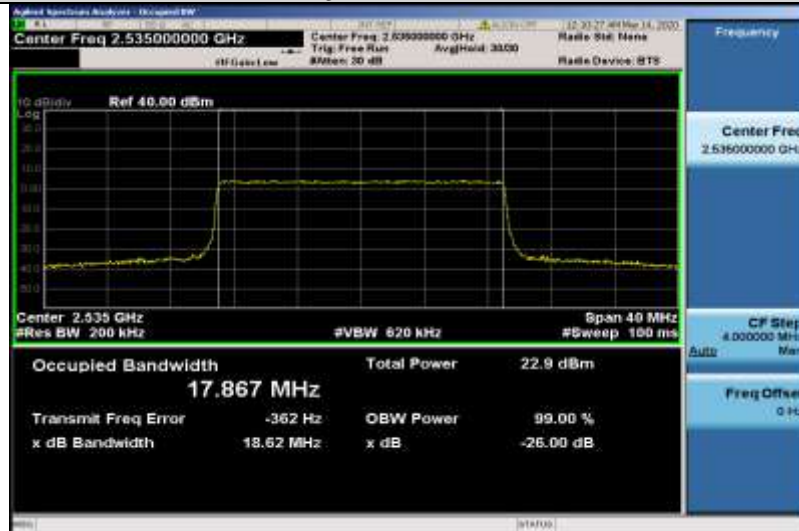
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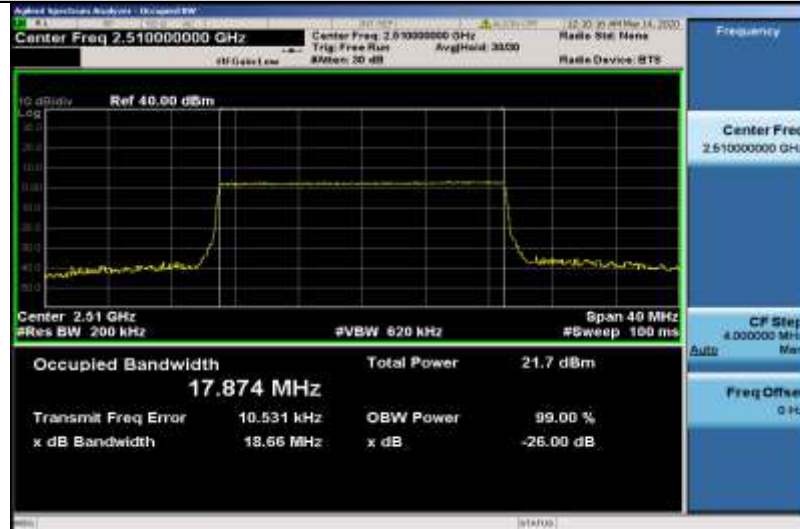
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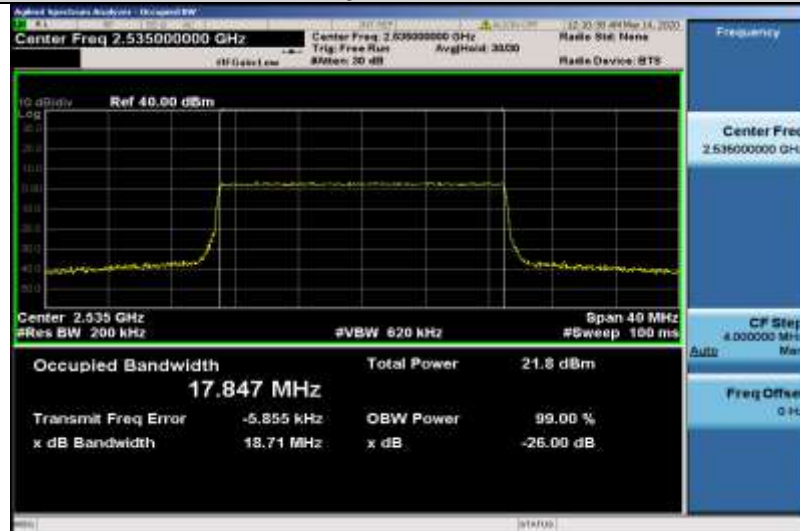
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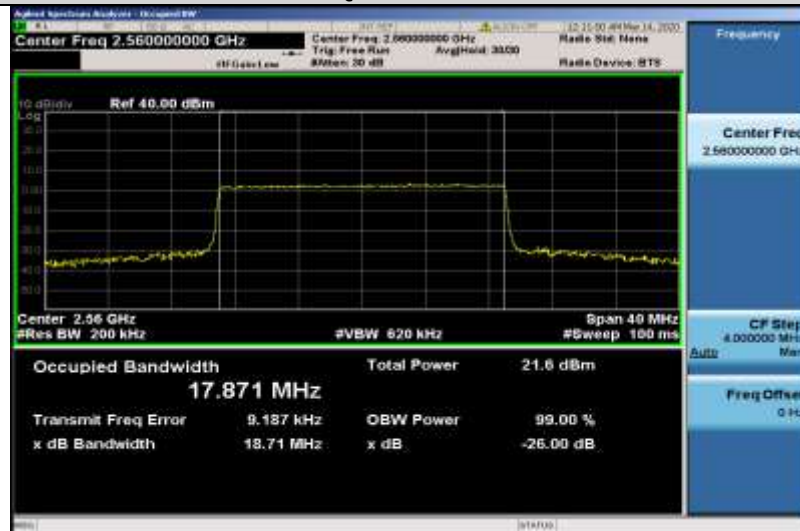
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Band12-1.4MHz-QPSK-23017-6RB#0-1.1108



Band12-1.4MHz-QPSK-23095-6RB#0-1.1081



Band12-1.4MHz-QPSK-23173-6RB#0-1.1069

