



FCC RADIO TEST REPORT

FCC ID : WIYS1F4CT001
Equipment : POS Terminal
Brand Name :  CASTLES TECHNOLOGY
Model Name : S1F4CT
Applicant : CASTLES TECHNOLOGY CO., LTD.
6F, NO. 207-5, SEC. 3, BEIXIN RD., XINDIAN DISTRICT, NEW
TAIPEI CITY 231030, TAIWAN (R.O.C.)
Manufacturer : CASTLES TECHNOLOGY CO., LTD.
6F, NO. 207-5, SEC. 3, BEIXIN RD., XINDIAN DISTRICT, NEW
TAIPEI CITY 231030, TAIWAN (R.O.C.)
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(S)

The product was received on Jul. 29, 2026 and testing was performed from Aug. 06, 2026 to Aug. 27, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG660205B	01	Initial issue of report	Sep. 03, 2026
FG660205B	02	Revise title information in Section 3 This report is an update version, replacing the report issued on Sep. 03, 2026.	Oct. 15, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 17)		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
3.3	§24.232 (d) §27.50 (d)(5) §27.50 (k)(4) §27.1507 (d)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049 §27.1506	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 25) (Band 26) (Band 66)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
3.6	§2.1051 §90.691	Emission masks (Band 26)	Pass	-
3.7	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)§90.691	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 25) (Band 26) (Band 66)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
3.8	§2.1055 §22.355 §24.235 §27.54 §90.213	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)§90.691	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 25) (Band 26) (Band 66)	Pass	-
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Danny Lee

Report Producer: Freda Wu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC and GNSS.
Antenna Type WWAN: PIFA Antenna

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B17, B25, B26, B38, B41, B66
Evaluated and Tested band	B2, B4, B5, B7, B12, B17, B25, B26, B38, B41, B66
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ B26 cover B5 (Part 22H) ■ B25 cover B2 (Part 24) ■ B12 cover B17 (Part 27) ■ B41 cover B38 (Part 27) ■ B66 cover B4 (Part 27)

TDD band Power Class		
	PC3	PC2
B38	V	-
B41	V	-

Antenna information							
Band	SISO						
B5	-0.21						
B12	-1.92						
B17	-1.92						
B26	-0.21						
B2	-1.19						
B4	-1.11						
B7	-1.38						
B25	-1.19						
B38	-1.38						
B41	-1.38						
B66	-1.11						



1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	TH05-HY	03CH12-HY
Test Engineer	Yuki Chen	Gerry Wei 、Tim Lee 、Wilson Wu
Temperature (°C)	22.1~23.2	23.5~24.6
Relative Humidity (%)	50.2~55.1	51.7~58.9

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

FCC Designation No.: TW3786

1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in Tablet Type (three orthogonal axis (X: flat, Y: portrait, Z: landscape) and Notebook Type, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

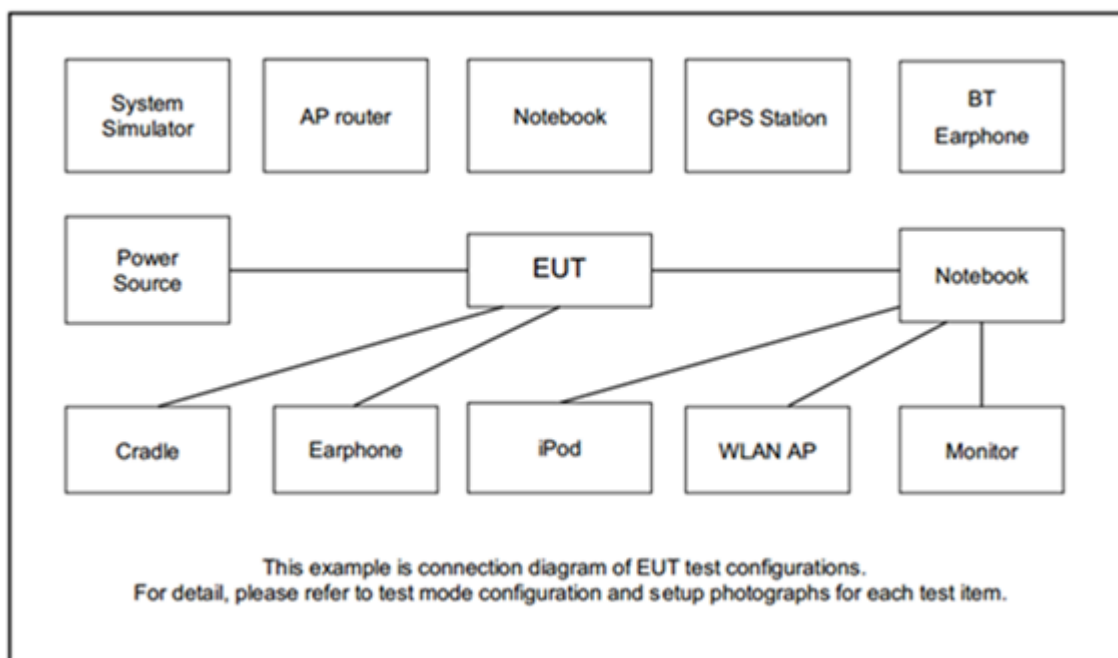
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1, Half, Full	L, M, H
EIRP	A, B, C	All	1, Half, Full	L, M, H
PAR	A, B, C	Max	Full	M
Bandwidth	A, B	All	Full	M
CBE	A	All	1RB Full	L, H
CSE	A	All	1RB	L, M, H
Frequency Stability	A	10 MHz or less	Full	M
RSE	A	Max	1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. One representative bandwidth is selected to perform PAR and frequency stability.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	Earphone	Apple	A1472	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss

$$\text{Offset} = \text{RF cable loss}$$

Following shows an offset computation example with cable loss 7.60 dB

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} \\ &= 7.60(\text{dB}) \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

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

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



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

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

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



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

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



LTE Band 26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	cross-rule channels		
15	Channel	26765	26790	-
	Frequency	821.5	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-



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

LTE Band 41 2555MHz ~ 2655MHz Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	40340	40740	41140
	Frequency	2565.0	2605.0	2645.0
15	Channel	40315	40740	41165
	Frequency	2562.5	2605.0	2647.5
10	Channel	40290	40740	41190
	Frequency	2560.0	2605.0	2650.0
5	Channel	40265	40740	41215
	Frequency	2557.5	2605.0	2652.5

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

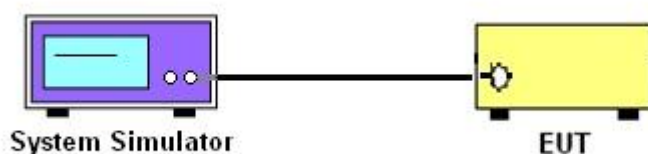
3 Conducted Test Items

3.1 Measuring Instruments

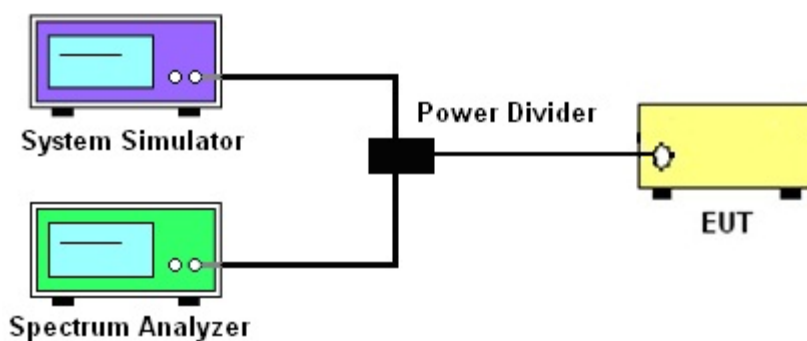
See list of measuring instruments of this test report.

3.1.1 Test Setup

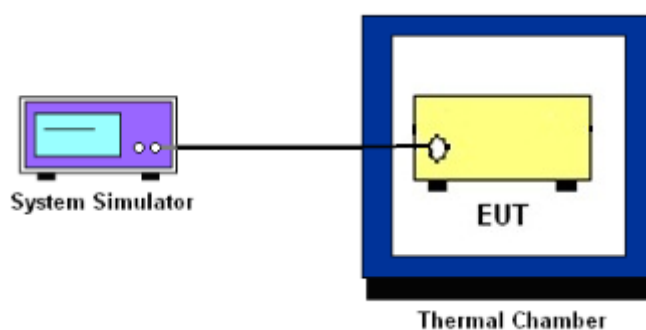
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5, Band 26 (Part 22H)

The output power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 17

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (g)

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

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.



27.53(m)(4)

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For LTE Band 26

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

3.6.2 Test Procedures

For LTE Band 26

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. Set RBW and VBW 3 times of RBW to make the measurement with the spectrum analyzer's, and according to KDB 971168 D02 Misc Rev Approve License Devices v02r01 standards, set RBW = 300 Hz to make offsets less than 37.5 kHz from a channel edge , RBW = 100 kHz to make offsets greater than 37.5 kHz, that is allowed.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

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

For LTE Band 7, 38, 41

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

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

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

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



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

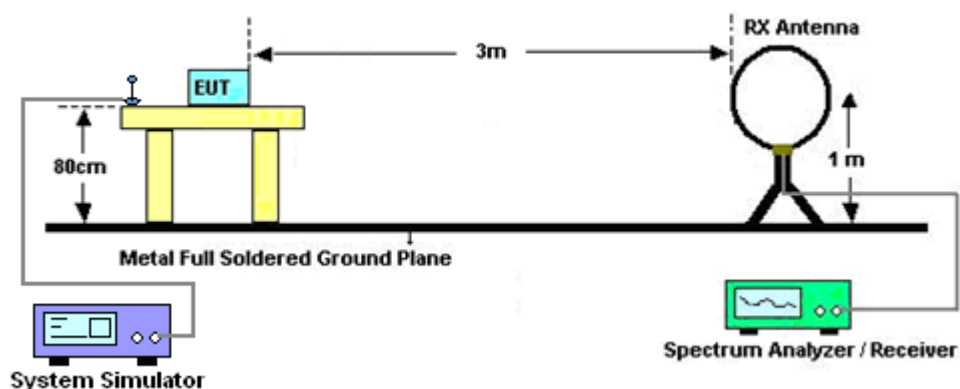
4 Radiated Test Items

4.1 Measuring Instruments

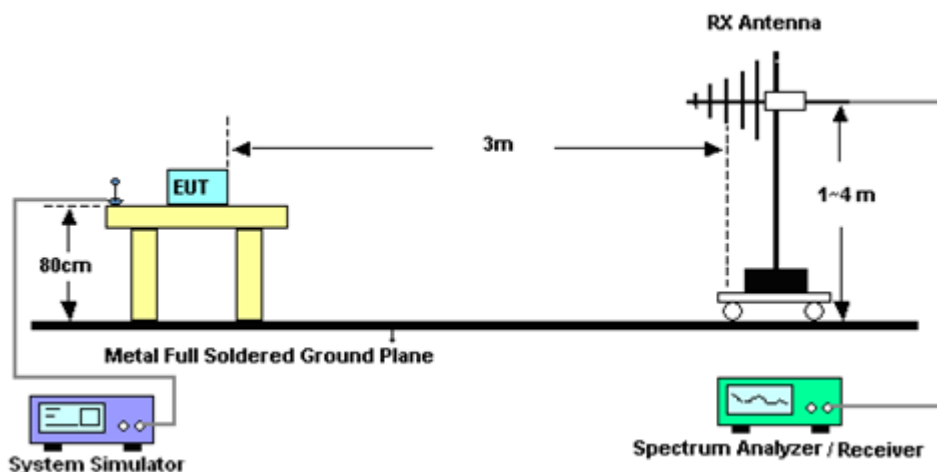
See list of measuring instruments of this test report.

4.1.1 Test Setup

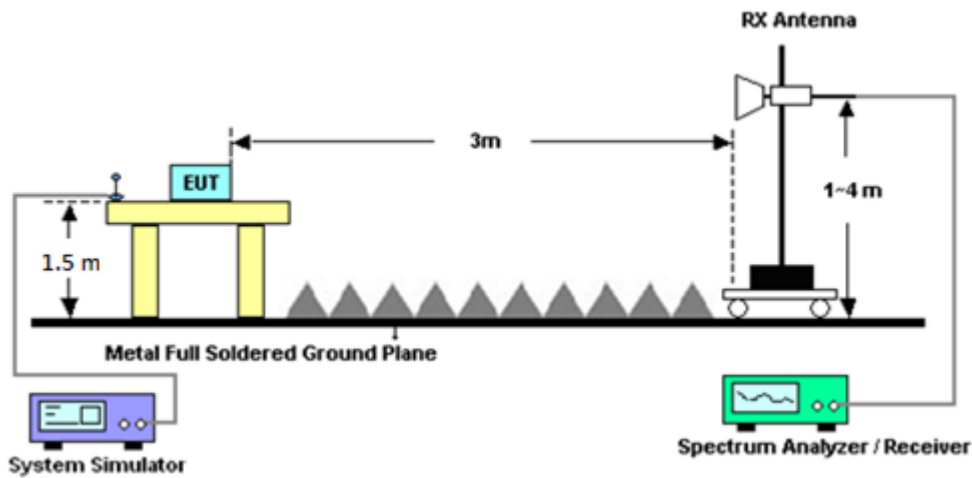
For radiated test below 30MHz



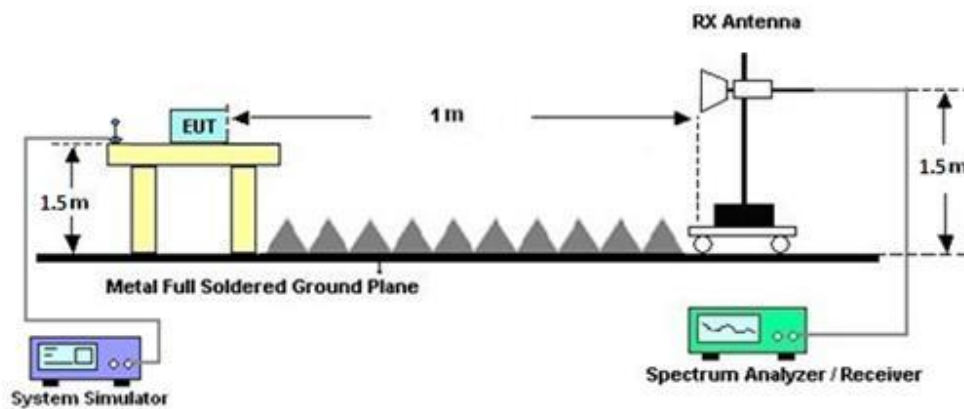
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For LTE Band 7, 38, 41

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

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



4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)
For LTE Band 7, 38, 41
The limit line is derived from $55 + 10\log(P)\text{dB}$ below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 16, 2026	Aug. 18, 2026~ Aug. 22, 2026	Mar. 15, 2027	Radiation (03CH12-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Aug. 18, 2026~ Aug. 22, 2026	Dec. 10, 2026	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 26, 2025	Aug. 18, 2026~ Aug. 22, 2026	Nov. 25, 2026	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 18, 2026	Aug. 18, 2026~ Aug. 22, 2026	Mar. 17, 2027	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Apr. 24, 2026	Aug. 18, 2026~ Aug. 22, 2026	Apr. 23, 2027	Radiation (03CH12-HY)
Amplifier	EMCI	EMC051845S E	980729	1-18GHz	Dec. 17, 2025	Aug. 18, 2026~ Aug. 22, 2026	Dec. 16, 2026	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Sep. 09, 2025	Aug. 18, 2026~ Aug. 22, 2026	Sep. 08, 2026	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 08, 2025	Aug. 18, 2026~ Aug. 22, 2026	Sep. 07, 2026	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz~40GHz	Aug. 12, 2026	Aug. 18, 2026~ Aug. 22, 2026	Aug. 11, 2027	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2025	Aug. 18, 2026~ Aug. 22, 2026	Dec. 01, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN111	1.53GHz Low Pass Filter	Nov. 04, 2025	Aug. 18, 2026~ Aug. 22, 2026	Nov. 03, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-900- 1000-15000-6 0SS	SN11	1GHz High Pass Filter	Mar. 11, 2026	Aug. 18, 2026~ Aug. 22, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Mar. 11, 2026	Aug. 18, 2026~ Aug. 22, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 11, 2026	Aug. 18, 2026~ Aug. 22, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Oct. 31, 2025	Aug. 18, 2026~ Aug. 22, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Oct. 31, 2025	Aug. 18, 2026~ Aug. 22, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM- KM-1000	240905	30MHz~40GHz	Oct. 31, 2025	Aug. 18, 2026~ Aug. 22, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLE X 104	EC-A5-300-5 757,805935/ 4	9kHz~30MHz	Oct. 01, 2025	Aug. 18, 2026~ Aug. 22, 2026	Sep. 30, 2026	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Aug. 26, 2025	Aug. 18, 2026~	Aug. 25, 2026	Radiation



						Aug. 22, 2026		(03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 18, 2026~ Aug. 22, 2026	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 18, 2026~ Aug. 22, 2026	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6201432816	GSM / GPRS /WCDMA / LTE FDD/TDD with 44) /LTE-3CC DLCA,2CC ULCA	May 13, 2025	Aug. 18, 2026~ Aug. 22, 2026	May 12, 2027	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 18, 2026~ Aug. 22, 2026	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Aug. 18, 2026~ Aug. 22, 2026	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025341	LTE FDD/TDD LTE-2CC ULCA/DLCA	Sep. 16, 2025	Aug. 06, 2026~ Aug. 27, 2026	Sep. 15, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GET861546	0V~64V ; 0A~6A	Jun. 04, 2026	Aug. 06, 2026~ Aug. 27, 2026	Jun. 03, 2027	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101906	10Hz~40GHz	Jul. 30, 2026	Aug. 06, 2026~ Aug. 27, 2026	Jul. 29, 2027	Conducted (TH05-HY)
Thermal Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	Feb. 23, 2026	Aug. 06, 2026~ Aug. 27, 2026	Feb. 22, 2027	Conducted (TH05-HY)
Power divider	MVE	MVE8283	#Z	0.009MHz-18G Hz	Oct. 16, 2025	Aug. 06, 2026~ Aug. 27, 2026	Oct. 15, 2026	Conducted (TH05-HY)
Power Divider	MVE	MVE8283	F201918	9KHz~40GHz	Dec. 31,2025	Aug. 06, 2026~ Aug. 27, 2026	Dec. 30,2026	Conducted (TH05-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Aug. 06, 2026~ Aug. 27, 2026	N/A	Conducted (TH05-HY)
Hygrometer	TECEPEL	DTM-303B	TP200886	-10 ~ 50℃ / 20 ~ 95%RH	Mar. 04,2026	Aug. 06, 2026~ Aug. 27, 2026	Mar. 03,2027	Conducted (TH05-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.50 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.90 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.70 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.90 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.47	22.87	22.58	22.03	0.1596
20	1	49		22.99	23.22	22.78		
20	1	99		22.86	22.66	22.44		
20	50	0		22.11	22.20	21.59		
20	50	24		22.16	22.14	21.66		
20	50	50		22.31	22.04	21.53		
20	100	0		22.22	22.12	21.64		
20	1	0	16-QAM	22.01	22.12	22.00	21.30	0.1349
20	1	49		22.49	22.48	22.12		
20	1	99		22.28	22.13	21.78		
20	50	0		21.17	21.19	20.77		
20	50	24		21.21	21.17	20.77		
20	50	50		21.36	21.07	20.65		
20	100	0		21.25	21.15	20.72		
20	1	0	64-QAM	21.03	21.17	20.87	20.26	0.1062
20	1	49		21.44	21.45	21.05		
20	1	99		21.25	21.03	20.76		
20	50	0		20.18	20.23	19.78		
20	50	24		20.23	20.18	19.77		
20	50	50		20.37	20.02	19.62		
20	100	0		20.26	20.14	19.71		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.72	22.78	22.38	21.92	0.1556
15	1	37		22.88	23.11	22.70		
15	1	74		22.90	22.68	22.52		
15	36	0		21.98	21.98	21.65		
15	36	20		22.04	21.96	21.65		
15	36	39		22.01	21.94	21.50		
15	75	0		22.03	21.91	21.59		
15	1	0	16-QAM	21.80	22.37	21.75	21.30	0.1349
15	1	37		22.49	22.40	21.83		
15	1	74		22.42	21.83	21.75		
15	36	0		20.98	20.94	20.63		
15	36	20		20.97	20.96	20.64		
15	36	39		21.11	20.87	20.55		
15	75	0		21.04	20.99	20.59		
15	1	0	64-QAM	21.19	21.16	20.72	20.02	0.1005
15	1	37		20.87	21.05	20.57		
15	1	74		20.86	21.21	20.84		
15	36	0		20.05	19.96	19.68		
15	36	20		20.02	20.00	19.68		
15	36	39		20.14	19.82	19.61		
15	75	0		19.92	19.89	19.47		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.38	22.26	22.12	21.36	0.1368
10	1	25		22.55	22.35	22.27		
10	1	49		22.53	22.19	22.19		
10	25	0		21.55	21.63	21.36		
10	25	12		21.60	21.57	21.27		
10	25	25		21.66	21.56	21.18		
10	50	0		21.59	21.64	21.18		
10	1	0	16-QAM	21.77	21.80	21.43	20.78	0.1197
10	1	25		21.97	21.92	21.65		
10	1	49		21.74	21.91	21.68		
10	25	0		20.59	20.68	20.46		
10	25	12		20.60	20.69	20.41		
10	25	25		20.69	20.48	20.40		
10	50	0		20.63	20.52	20.42		
10	1	0	64-QAM	20.68	20.68	20.43	19.75	0.0944
10	1	25		20.21	20.94	20.52		
10	1	49		20.38	20.75	20.38		
10	25	0		20.10	19.68	19.30		
10	25	12		20.13	19.64	19.31		
10	25	25		20.18	19.51	19.31		
10	50	0		20.13	19.53	19.31		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.41	22.49	22.15	21.51	0.1416
5	1	12		22.65	22.70	22.39		
5	1	24		22.50	22.44	22.21		
5	12	0		21.67	21.70	21.28		
5	12	7		21.68	21.71	21.29		
5	12	13		21.65	21.70	21.23		
5	25	0		21.65	21.73	21.20		
5	1	0	16-QAM	21.86	21.95	21.59	20.99	0.1256
5	1	12		22.18	22.01	21.86		
5	1	24		21.92	21.88	21.53		
5	12	0		20.67	20.73	20.44		
5	12	7		20.74	20.78	20.43		
5	12	13		20.74	20.71	20.40		
5	25	0		20.73	20.79	20.43		
5	1	0	64-QAM	20.77	20.89	20.42	19.81	0.0957
5	1	12		20.80	21.00	20.78		
5	1	24		20.63	20.76	20.54		
5	12	0		19.63	19.76	19.50		
5	12	7		19.69	19.71	19.50		
5	12	13		19.67	19.75	19.49		
5	25	0		19.65	19.76	19.49		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.55	22.71	22.35	21.53	0.1422
3	1	8		22.60	22.72	22.39		
3	1	14		22.63	22.67	22.35		
3	8	0		21.70	21.83	21.46		
3	8	4		21.74	21.84	21.51		
3	8	7		21.69	21.81	21.48		
3	15	0		21.65	21.77	21.45		
3	1	0	16-QAM	22.02	22.06	21.66	20.87	0.1222
3	1	8		21.96	22.00	21.75		
3	1	14		22.00	22.02	21.69		
3	8	0		20.81	20.96	20.59		
3	8	4		20.83	20.97	20.64		
3	8	7		20.82	20.90	20.60		
3	15	0		20.77	20.80	20.51		
3	1	0	64-QAM	20.97	21.02	20.62	19.83	0.0962
3	1	8		20.99	20.94	20.66		
3	1	14		20.95	20.96	20.71		
3	8	0		19.83	19.94	19.56		
3	8	4		19.85	19.91	19.64		
3	8	7		19.83	19.88	19.58		
3	15	0		19.78	19.83	19.51		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.76	22.84	22.50	21.82	0.1521
1.4	1	3		22.88	22.96	22.62		
1.4	1	5		22.79	22.85	22.51		
1.4	3	0		22.86	22.94	22.60		
1.4	3	1		22.90	23.01	22.67		
1.4	3	3		22.87	22.95	22.62		
1.4	6	0		21.89	22.00	21.65		
1.4	1	0	16-QAM	22.13	22.24	21.94	21.18	0.1312
1.4	1	3		22.16	22.37	22.05		
1.4	1	5		22.03	22.11	21.90		
1.4	3	0		21.95	21.98	21.71		
1.4	3	1		21.96	22.04	21.74		
1.4	3	3		21.85	21.97	21.70		
1.4	6	0		21.05	21.08	20.77		
1.4	1	0	64-QAM	21.01	21.08	20.80	20.02	0.1005
1.4	1	3		21.20	21.21	20.91		
1.4	1	5		20.98	21.14	20.77		
1.4	3	0		21.02	21.14	20.75		
1.4	3	1		21.10	21.18	20.79		
1.4	3	3		21.04	21.09	20.81		
1.4	6	0		19.94	20.03	19.69		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.40	22.58	22.73	21.99	0.1581
20	1	49		22.87	23.10	22.54		
20	1	99		22.76	22.92	22.96		
20	50	0		21.76	22.05	22.24		
20	50	24		21.92	22.11	22.28		
20	50	50		22.08	22.24	22.31		
20	100	0		21.93	22.16	22.29		
20	1	0	16-QAM	21.73	21.98	22.04	21.50	0.1413
20	1	49		22.17	22.32	22.61		
20	1	99		22.14	22.26	22.27		
20	50	0		20.78	21.06	21.25		
20	50	24		20.92	21.14	21.30		
20	50	50		21.06	21.28	21.33		
20	100	0		20.94	21.17	21.30		
20	1	0	64-QAM	20.71	20.82	21.04	20.36	0.1086
20	1	49		21.14	21.33	21.47		
20	1	99		20.99	21.17	21.27		
20	50	0		19.79	20.09	20.28		
20	50	24		19.95	20.17	20.30		
20	50	50		20.09	20.27	20.36		
20	100	0		19.97	20.19	20.32		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.58	22.78	22.93	22.07	0.1611
15	1	37		22.89	23.09	23.18		
15	1	74		22.79	23.00	23.03		
15	36	0		21.76	22.03	22.19		
15	36	20		21.86	22.10	22.21		
15	36	39		21.94	22.17	22.23		
15	75	0		21.85	22.11	22.19		
15	1	0	16-QAM	21.83	22.16	22.28	21.39	0.1377
15	1	37		22.16	22.41	22.50		
15	1	74		22.24	22.34	22.40		
15	36	0		20.74	21.02	21.16		
15	36	20		20.84	21.09	21.18		
15	36	39		20.90	21.14	21.19		
15	75	0		20.87	21.09	21.20		
15	1	0	64-QAM	20.78	21.09	21.23	20.31	0.1074
15	1	37		21.12	21.32	21.42		
15	1	74		21.05	21.26	21.30		
15	36	0		19.78	20.07	20.19		
15	36	20		19.89	20.09	20.22		
15	36	39		19.94	20.17	20.20		
15	75	0		19.87	20.08	20.18		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.22	22.50	22.48	21.62	0.1452
10	1	25		22.46	22.73	22.45		
10	1	49		22.34	22.71	22.29		
10	25	0		21.42	21.72	21.43		
10	25	12		21.43	21.71	21.52		
10	25	25		21.56	21.79	21.56		
10	50	0		21.45	21.74	21.59		
10	1	0	16-QAM	21.56	21.82	21.77	20.90	0.1230
10	1	25		21.79	22.01	21.93		
10	1	49		21.76	21.80	21.80		
10	25	0		20.39	20.36	20.69		
10	25	12		20.29	20.44	20.68		
10	25	25		20.53	20.37	20.69		
10	50	0		20.45	20.33	20.69		
10	1	0	64-QAM	20.50	20.44	20.82	19.71	0.0935
10	1	25		20.61	20.64	20.80		
10	1	49		20.58	20.49	20.71		
10	25	0		19.39	19.41	19.23		
10	25	12		19.50	19.34	19.34		
10	25	25		19.62	19.29	19.40		
10	50	0		19.51	19.28	19.61		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.07	22.34	22.54	21.63	0.1455
5	1	12		22.29	22.53	22.74		
5	1	24		22.11	22.35	22.60		
5	12	0		21.28	21.32	21.79		
5	12	7		21.36	21.39	21.81		
5	12	13		21.35	21.46	21.82		
5	25	0		21.28	21.51	21.82		
5	1	0	16-QAM	21.52	21.63	21.86	20.92	0.1236
5	1	12		21.68	21.82	22.03		
5	1	24		21.45	21.63	21.83		
5	12	0		20.38	20.55	20.74		
5	12	7		20.45	20.60	20.79		
5	12	13		20.46	20.62	20.79		
5	25	0		20.41	20.59	20.82		
5	1	0	64-QAM	20.49	20.59	20.81	19.93	0.0984
5	1	12		20.72	20.86	21.04		
5	1	24		20.44	20.71	20.84		
5	12	0		19.39	19.65	19.86		
5	12	7		19.51	19.70	19.93		
5	12	13		19.47	19.76	19.86		
5	25	0		19.42	19.71	19.87		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.23	22.49	22.64	21.57	0.1435
3	1	8		22.23	22.51	22.66		
3	1	14		22.24	22.52	22.68		
3	8	0		21.34	21.57	21.76		
3	8	4		21.38	21.64	21.81		
3	8	7		21.37	21.61	21.77		
3	15	0		21.36	21.60	21.80		
3	1	0	16-QAM	21.57	21.90	21.93	20.84	0.1213
3	1	8		21.51	21.90	21.95		
3	1	14		21.56	21.79	21.91		
3	8	0		20.44	20.69	20.86		
3	8	4		20.50	20.76	20.91		
3	8	7		20.45	20.71	20.88		
3	15	0		20.40	20.67	20.79		
3	1	0	64-QAM	20.55	20.73	20.88	19.89	0.0975
3	1	8		20.51	20.72	20.95		
3	1	14		20.65	20.87	21.00		
3	8	0		19.46	19.74	19.90		
3	8	4		19.50	19.78	19.92		
3	8	7		19.47	19.73	19.89		
3	15	0		19.43	19.69	19.87		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.54	22.75	22.91	21.94	0.1563
1.4	1	3		22.67	22.90	23.01		
1.4	1	5		22.56	22.78	22.93		
1.4	3	0		22.65	22.87	23.01		
1.4	3	1		22.70	22.93	23.05		
1.4	3	3		22.70	22.90	23.02		
1.4	6	0		21.73	21.94	22.07		
1.4	1	0	16-QAM	21.92	22.18	22.21	21.23	0.1327
1.4	1	3		21.90	22.27	22.34		
1.4	1	5		21.95	22.13	22.28		
1.4	3	0		21.73	21.88	22.07		
1.4	3	1		21.79	21.91	22.12		
1.4	3	3		21.66	21.91	21.99		
1.4	6	0		20.75	20.99	21.18		
1.4	1	0	64-QAM	20.87	21.06	21.19	20.13	0.1030
1.4	1	3		20.91	21.15	21.24		
1.4	1	5		20.85	21.00	21.20		
1.4	3	0		20.78	21.06	21.15		
1.4	3	1		20.88	21.11	21.19		
1.4	3	3		20.88	21.06	21.15		
1.4	6	0		19.75	19.98	20.09		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	21.99	21.94	21.77	19.77	0.0948
10	1	25		22.13	22.03	21.95		
10	1	49		21.92	21.87	21.77		
10	25	0		21.08	21.05	21.00		
10	25	12		21.09	20.99	20.99		
10	25	25		21.09	20.94	20.98		
10	50	0		21.08	20.99	21.01		
10	1	0	16-QAM	21.19	21.16	21.14	18.98	0.0791
10	1	25		21.34	21.22	21.25		
10	1	49		21.13	21.05	21.19		
10	25	0		20.06	20.02	20.02		
10	25	12		20.05	19.97	19.98		
10	25	25		20.03	19.93	19.91		
10	50	0		20.03	19.95	19.95		
10	1	0	64-QAM	20.18	20.09	20.04	17.91	0.0618
10	1	25		20.27	20.17	20.09		
10	1	49		20.03	20.00	20.02		
10	25	0		19.02	19.00	18.95		
10	25	12		19.02	18.96	18.94		
10	25	25		19.04	18.89	18.88		
10	50	0		19.03	18.97	18.93		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	21.71	21.55	21.46	19.62	0.0916
5	1	12		21.98	21.78	21.76		
5	1	24		21.70	21.56	21.41		
5	12	0		20.85	20.72	20.61		
5	12	7		20.90	20.76	20.62		
5	12	13		20.84	20.68	20.50		
5	25	0		20.80	20.71	20.55		
5	1	0	16-QAM	21.01	20.85	20.70	18.89	0.0774
5	1	12		21.25	21.02	20.91		
5	1	24		20.93	20.76	20.61		
5	12	0		19.83	19.68	19.47		
5	12	7		19.85	19.69	19.36		
5	12	13		19.79	19.62	19.27		
5	25	0		19.81	19.68	19.37		
5	1	0	64-QAM	19.85	19.79	19.39	17.68	0.0586
5	1	12		20.04	19.91	19.65		
5	1	24		19.83	19.70	19.36		
5	12	0		18.81	18.65	18.46		
5	12	7		18.82	18.70	18.53		
5	12	13		18.75	18.61	18.42		
5	25	0		18.74	18.63	18.42		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	21.67	21.52	21.42	19.31	0.0853
3	1	8		21.65	21.50	21.40		
3	1	14		21.66	21.51	21.32		
3	8	0		20.69	20.58	20.45		
3	8	4		20.71	20.60	20.45		
3	8	7		20.68	20.55	20.42		
3	15	0		20.70	20.56	20.43		
3	1	0	16-QAM	20.94	20.76	20.80	18.58	0.0721
3	1	8		20.92	20.87	20.72		
3	1	14		20.82	20.86	20.61		
3	8	0		19.78	19.65	19.55		
3	8	4		19.77	19.66	19.54		
3	8	7		19.75	19.62	19.49		
3	15	0		19.69	19.58	19.46		
3	1	0	64-QAM	19.86	19.74	19.62	17.50	0.0562
3	1	8		19.85	19.71	19.66		
3	1	14		19.86	19.74	19.61		
3	8	0		18.75	18.65	18.52		
3	8	4		18.77	18.65	18.50		
3	8	7		18.74	18.61	18.46		
3	15	0		18.72	18.59	18.46		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	21.95	21.70	21.56	19.75	0.0944
1.4	1	3		22.05	21.84	21.65		
1.4	1	5		21.91	21.70	21.54		
1.4	3	0		22.05	21.80	21.69		
1.4	3	1		22.11	21.86	21.72		
1.4	3	3		22.06	21.82	21.67		
1.4	6	0		21.04	20.83	20.68		
1.4	1	0	16-QAM	21.22	20.96	20.91	19.01	0.0796
1.4	1	3		21.37	21.10	20.88		
1.4	1	5		21.11	20.95	20.87		
1.4	3	0		21.00	20.84	20.68		
1.4	3	1		20.99	20.85	20.69		
1.4	3	3		20.96	20.83	20.56		
1.4	6	0		20.09	19.92	19.79		
1.4	1	0	64-QAM	20.01	19.92	19.78	17.81	0.0604
1.4	1	3		20.17	19.93	19.85		
1.4	1	5		20.02	19.86	19.71		
1.4	3	0		20.09	19.90	19.76		
1.4	3	1		20.11	19.96	19.79		
1.4	3	3		20.07	19.87	19.72		
1.4	6	0		18.97	18.79	18.67		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	19.58	19.35	19.66	18.60	0.0724
20	1	49		19.83	19.71	19.98		
20	1	99		19.29	19.41	19.48		
20	50	0		18.84	18.64	18.92		
20	50	24		18.80	18.71	18.93		
20	50	50		18.66	18.74	18.84		
20	100	0		18.76	18.69	18.88		
20	1	0	16-QAM	19.03	18.79	18.99	18.02	0.0634
20	1	49		19.23	19.13	19.40		
20	1	99		18.70	18.83	18.96		
20	50	0		17.88	17.69	17.96		
20	50	24		17.84	17.74	17.97		
20	50	50		17.69	17.79	17.89		
20	100	0		17.79	17.71	17.91		
20	1	0	64-QAM	17.84	17.61	17.92	16.88	0.0488
20	1	49		18.03	18.01	18.26		
20	1	99		17.55	17.66	17.72		
20	50	0		16.89	16.69	16.95		
20	50	24		16.82	16.74	16.95		
20	50	50		16.71	16.77	16.91		
20	100	0		16.82	16.71	16.92		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	19.72	19.52	19.79	18.63	0.0729
15	1	37		19.89	19.71	20.01		
15	1	74		19.53	19.55	19.66		
15	36	0		18.90	18.69	18.96		
15	36	20		18.82	18.70	18.94		
15	36	39		18.73	18.76	18.86		
15	75	0		18.78	18.69	18.90		
15	1	0	16-QAM	19.12	18.91	19.21	18.03	0.0635
15	1	37		19.26	19.19	19.41		
15	1	74		18.92	18.92	19.00		
15	36	0		17.90	17.67	17.97		
15	36	20		17.81	17.73	17.94		
15	36	39		17.75	17.75	17.89		
15	75	0		17.83	17.73	17.92		
15	1	0	64-QAM	18.07	17.81	18.12	16.90	0.0490
15	1	37		18.16	18.03	18.28		
15	1	74		17.84	17.84	17.92		
15	36	0		16.92	16.72	16.98		
15	36	20		16.84	16.74	16.96		
15	36	39		16.78	16.78	16.90		
15	75	0		16.81	16.71	16.91		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	19.81	19.60	19.88	18.55	0.0716
10	1	25		19.85	19.70	19.93		
10	1	49		19.69	19.61	19.74		
10	25	0		18.92	18.68	18.96		
10	25	12		18.84	18.71	18.93		
10	25	25		18.79	18.74	18.87		
10	50	0		18.88	18.71	18.91		
10	1	0	16-QAM	19.18	18.93	19.26	17.92	0.0619
10	1	25		19.26	19.12	19.30		
10	1	49		19.00	19.06	19.16		
10	25	0		17.97	17.75	18.03		
10	25	12		17.89	17.75	17.98		
10	25	25		17.84	17.79	17.94		
10	50	0		17.92	17.76	17.96		
10	1	0	64-QAM	18.14	17.89	18.18	16.82	0.0481
10	1	25		18.12	17.96	18.20		
10	1	49		17.99	17.87	18.02		
10	25	0		16.97	16.72	17.00		
10	25	12		16.88	16.76	16.97		
10	25	25		16.84	16.78	16.93		
10	50	0		16.92	16.75	16.94		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	19.69	19.52	19.71	18.57	0.0719
5	1	12		19.95	19.72	19.91		
5	1	24		19.61	19.48	19.67		
5	12	0		18.82	18.64	18.84		
5	12	7		18.88	18.73	18.89		
5	12	13		18.76	18.68	18.83		
5	25	0		18.81	18.68	18.85		
5	1	0	16-QAM	19.15	18.90	19.12	17.89	0.0615
5	1	12		19.27	19.14	19.24		
5	1	24		18.99	18.82	19.07		
5	12	0		17.88	17.67	17.88		
5	12	7		17.91	17.76	17.93		
5	12	13		17.81	17.71	17.88		
5	25	0		17.88	17.73	17.90		
5	1	0	64-QAM	17.98	17.78	18.00	16.82	0.0481
5	1	12		18.20	18.04	18.18		
5	1	24		17.93	17.79	17.97		
5	12	0		16.90	16.70	16.89		
5	12	7		16.92	16.77	16.95		
5	12	13		16.84	16.73	16.90		
5	25	0		16.86	16.72	16.87		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.80	22.83	22.77	18.87	0.0771
10	1	25		22.94	22.89	22.83		
10	1	49		22.72	22.68	22.66		
10	25	0		22.05	21.95	21.81		
10	25	12		21.95	21.86	21.84		
10	25	25		21.86	21.95	21.76		
10	50	0		22.00	21.94	21.78		
10	1	0	16-QAM	21.95	22.10	22.06	18.05	0.0638
10	1	25		22.12	22.10	22.02		
10	1	49		21.91	21.88	21.83		
10	25	0		21.10	21.00	20.85		
10	25	12		20.99	20.90	20.85		
10	25	25		20.91	20.96	20.78		
10	50	0		21.01	20.97	20.79		
10	1	0	64-QAM	21.01	21.08	21.09	17.09	0.0512
10	1	25		21.16	21.10	21.00		
10	1	49		20.94	20.86	20.85		
10	25	0		20.12	20.00	19.84		
10	25	12		20.00	19.92	19.84		
10	25	25		19.93	19.98	19.80		
10	50	0		20.02	19.99	19.83		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.54	22.60	22.46	18.75	0.0750
5	1	12		22.82	22.80	22.73		
5	1	24		22.62	22.50	22.45		
5	12	0		21.75	21.69	21.63		
5	12	7		21.74	21.70	21.66		
5	12	13		21.63	21.71	21.47		
5	25	0		21.71	21.69	21.60		
5	1	0	16-QAM	21.75	21.80	21.55	18.04	0.0637
5	1	12		22.11	22.04	21.85		
5	1	24		21.87	21.69	21.76		
5	12	0		20.73	20.69	20.59		
5	12	7		20.77	20.74	20.63		
5	12	13		20.66	20.72	20.47		
5	25	0		20.72	20.74	20.58		
5	1	0	64-QAM	20.70	20.74	20.61	16.94	0.0494
5	1	12		21.01	20.95	20.84		
5	1	24		20.83	20.68	20.59		
5	12	0		19.77	19.74	19.64		
5	12	7		19.77	19.74	19.67		
5	12	13		19.64	19.77	19.54		
5	25	0		19.71	19.72	19.58		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.42	22.39	22.26	18.40	0.0692
3	1	8		22.47	22.37	22.26		
3	1	14		22.44	22.35	22.25		
3	8	0		21.50	21.39	21.31		
3	8	4		21.55	21.41	21.30		
3	8	7		21.50	21.36	21.23		
3	15	0		21.53	21.37	21.29		
3	1	0	16-QAM	21.69	21.53	21.30	17.62	0.0578
3	1	8		21.65	21.67	21.51		
3	1	14		21.68	21.49	21.44		
3	8	0		20.46	20.54	20.43		
3	8	4		20.59	20.53	20.39		
3	8	7		20.51	20.51	20.30		
3	15	0		20.47	20.44	20.32		
3	1	0	64-QAM	20.49	20.53	20.30	16.58	0.0455
3	1	8		20.55	20.58	20.41		
3	1	14		20.65	20.43	20.40		
3	8	0		19.42	19.44	19.39		
3	8	4		19.51	19.46	19.36		
3	8	7		19.45	19.38	19.31		
3	15	0		19.38	19.37	19.28		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.48	22.54	22.41	18.62	0.0728
1.4	1	3		22.65	22.66	22.52		
1.4	1	5		22.53	22.51	22.40		
1.4	3	0		22.60	22.65	22.53		
1.4	3	1		22.66	22.69	22.59		
1.4	3	3		22.63	22.62	22.57		
1.4	6	0		21.58	21.56	21.57		
1.4	1	0	16-QAM	21.64	21.68	21.56	17.84	0.0608
1.4	1	3		21.74	21.91	21.76		
1.4	1	5		21.69	21.76	21.61		
1.4	3	0		21.52	21.58	21.45		
1.4	3	1		21.61	21.62	21.53		
1.4	3	3		21.54	21.56	21.45		
1.4	6	0		20.70	20.69	20.66		
1.4	1	0	64-QAM	20.58	20.60	20.66	16.80	0.0479
1.4	1	3		20.86	20.87	20.72		
1.4	1	5		20.73	20.65	20.55		
1.4	3	0		20.67	20.72	20.64		
1.4	3	1		20.71	20.74	20.64		
1.4	3	3		20.72	20.70	20.60		
1.4	6	0		19.53	19.59	19.49		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.68	22.60	22.66	18.68	0.0738
10	1	25		22.75	22.63	22.72		
10	1	49		22.57	22.49	22.54		
10	25	0		21.72	21.60	21.63		
10	25	12		21.71	21.59	21.71		
10	25	25		21.75	21.59	21.62		
10	50	0		21.72	21.57	21.67		
10	1	0	16-QAM	21.82	21.97	22.07	18.00	0.0631
10	1	25		21.79	21.81	21.76		
10	1	49		21.63	21.83	21.71		
10	25	0		20.65	20.68	20.61		
10	25	12		20.65	20.70	20.68		
10	25	25		20.69	20.67	20.58		
10	50	0		20.66	20.67	20.63		
10	1	0	64-QAM	20.75	20.84	20.95	16.88	0.0488
10	1	25		20.83	20.84	20.80		
10	1	49		20.58	20.67	20.74		
10	25	0		19.63	19.65	19.64		
10	25	12		19.62	19.65	19.70		
10	25	25		19.64	19.66	19.60		
10	50	0		19.63	19.64	19.63		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.44	22.48	22.35	18.66	0.0735
5	1	12		22.73	22.65	22.54		
5	1	24		22.40	22.36	22.32		
5	12	0		21.59	21.48	21.48		
5	12	7		21.60	21.59	21.48		
5	12	13		21.59	21.55	21.30		
5	25	0		21.59	21.55	21.43		
5	1	0	16-QAM	21.73	21.72	21.53	18.00	0.0631
5	1	12		22.07	21.85	21.74		
5	1	24		21.70	21.50	21.58		
5	12	0		20.62	20.50	20.45		
5	12	7		20.63	20.60	20.47		
5	12	13		20.61	20.54	20.31		
5	25	0		20.64	20.57	20.41		
5	1	0	64-QAM	20.65	20.68	20.48	16.84	0.0483
5	1	12		20.91	20.77	20.72		
5	1	24		20.60	20.47	20.51		
5	12	0		19.63	19.49	19.46		
5	12	7		19.64	19.58	19.46		
5	12	13		19.61	19.54	19.31		
5	25	0		19.59	19.53	19.36		
Limit	ERP < 3W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.51	22.70	22.35	21.82	0.1521
20	1	49		23.01	23.00	22.62		
20	1	99		22.69	22.55	22.33		
20	50	0		21.98	22.04	21.73		
20	50	24		22.07	22.07	21.69		
20	50	50		22.16	21.95	21.65		
20	100	0		22.07	21.98	21.70		
20	1	0	16-QAM	22.00	22.05	21.76	21.25	0.1334
20	1	49		22.44	22.31	22.06		
20	1	99		22.11	21.98	21.65		
20	50	0		21.04	21.10	20.75		
20	50	24		21.11	21.11	20.73		
20	50	50		21.22	20.98	20.68		
20	100	0		21.10	20.99	20.74		
20	1	0	64-QAM	20.92	20.95	20.77	20.18	0.1042
20	1	49		21.37	21.33	20.94		
20	1	99		21.11	20.81	20.56		
20	50	0		20.12	20.13	19.79		
20	50	24		20.18	20.10	19.71		
20	50	50		20.29	20.00	19.67		
20	100	0		20.18	20.06	19.71		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.64	22.72	22.40	21.85	0.1531
15	1	37		23.04	22.95	22.60		
15	1	74		22.87	22.69	22.40		
15	36	0		21.99	22.01	21.68		
15	36	20		22.00	21.98	21.60		
15	36	39		22.11	21.93	21.63		
15	75	0		22.06	21.98	21.63		
15	1	0	16-QAM	22.08	22.04	21.77	21.33	0.1358
15	1	37		22.52	22.37	21.87		
15	1	74		22.33	22.16	21.72		
15	36	0		21.03	20.99	20.67		
15	36	20		21.02	21.02	20.60		
15	36	39		21.13	20.92	20.62		
15	75	0		21.09	21.01	20.65		
15	1	0	64-QAM	20.96	20.99	20.72	20.14	0.1033
15	1	37		21.33	21.28	20.91		
15	1	74		21.19	20.94	20.66		
15	36	0		20.04	20.02	19.66		
15	36	20		20.04	20.01	19.60		
15	36	39		20.17	19.91	19.66		
15	75	0		20.08	19.96	19.59		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.64	22.44	22.27	21.48	0.1406
10	1	25		22.67	22.62	22.30		
10	1	49		22.66	22.37	21.99		
10	25	0		21.50	21.66	21.42		
10	25	12		21.62	21.69	21.35		
10	25	25		21.74	21.67	21.39		
10	50	0		21.71	21.72	21.43		
10	1	0	16-QAM	21.91	21.95	21.55	21.00	0.1259
10	1	25		22.03	22.19	21.79		
10	1	49		22.02	21.88	21.66		
10	25	0		20.85	20.88	20.51		
10	25	12		20.61	20.79	20.47		
10	25	25		20.79	20.77	20.54		
10	50	0		20.66	20.82	20.51		
10	1	0	64-QAM	20.71	20.91	20.68	19.96	0.0991
10	1	25		20.99	21.15	20.65		
10	1	49		21.09	20.91	20.52		
10	25	0		19.91	19.88	19.48		
10	25	12		19.90	19.87	19.39		
10	25	25		19.95	19.86	19.42		
10	50	0		19.92	19.90	19.36		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.95	22.40	21.99	21.41	0.1384
5	1	12		22.43	22.60	22.19		
5	1	24		22.25	22.37	22.00		
5	12	0		21.35	21.61	21.13		
5	12	7		21.40	21.63	21.18		
5	12	13		21.37	21.59	21.12		
5	25	0		21.35	21.61	21.15		
5	1	0	16-QAM	21.52	21.77	21.41	20.72	0.1180
5	1	12		21.73	21.91	21.48		
5	1	24		21.70	21.66	21.26		
5	12	0		20.41	20.63	20.18		
5	12	7		20.50	20.68	20.22		
5	12	13		20.43	20.57	20.16		
5	25	0		20.44	20.61	20.22		
5	1	0	64-QAM	20.47	20.68	20.31	19.66	0.0925
5	1	12		20.85	20.85	20.51		
5	1	24		20.58	20.70	20.23		
5	12	0		19.57	19.70	19.21		
5	12	7		19.64	19.70	19.25		
5	12	13		19.58	19.65	19.21		
5	25	0		19.59	19.67	19.22		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.45	22.59	22.25	21.40	0.1380
3	1	8		22.49	22.58	22.27		
3	1	14		22.53	22.56	22.29		
3	8	0		21.61	21.70	21.35		
3	8	4		21.59	21.74	21.40		
3	8	7		21.62	21.71	21.36		
3	15	0		21.52	21.70	21.35		
3	1	0	16-QAM	21.83	21.86	21.65	20.80	0.1202
3	1	8		21.99	21.92	21.60		
3	1	14		21.92	21.87	21.63		
3	8	0		20.73	20.82	20.47		
3	8	4		20.76	20.84	20.53		
3	8	7		20.77	20.83	20.46		
3	15	0		20.69	20.73	20.42		
3	1	0	64-QAM	20.81	21.00	20.52	19.81	0.0957
3	1	8		20.84	20.92	20.59		
3	1	14		20.79	20.95	20.57		
3	8	0		19.76	19.81	19.48		
3	8	4		19.76	19.84	19.53		
3	8	7		19.76	19.80	19.48		
3	15	0		19.70	19.76	19.42		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.59	22.65	22.31	21.62	0.1452
1.4	1	3		22.73	22.76	22.45		
1.4	1	5		22.61	22.64	22.33		
1.4	3	0		22.69	22.77	22.43		
1.4	3	1		22.78	22.81	22.46		
1.4	3	3		22.73	22.75	22.44		
1.4	6	0		21.74	21.80	21.48		
1.4	1	0	16-QAM	22.02	22.03	21.55	20.92	0.1236
1.4	1	3		22.11	22.11	21.65		
1.4	1	5		21.95	21.99	21.68		
1.4	3	0		21.79	21.85	21.48		
1.4	3	1		21.80	21.81	21.45		
1.4	3	3		21.75	21.80	21.43		
1.4	6	0		20.89	20.96	20.59		
1.4	1	0	64-QAM	20.92	20.92	20.60	19.85	0.0966
1.4	1	3		21.04	21.04	20.69		
1.4	1	5		20.90	20.99	20.52		
1.4	3	0		20.89	20.92	20.57		
1.4	3	1		20.94	20.98	20.59		
1.4	3	3		20.89	20.94	20.60		
1.4	6	0		19.81	19.85	19.49		
Limit	EIRP < 2W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.23	22.17	22.11	19.99	0.0998
15	1	37		22.35	22.32	22.31		
15	1	74		22.10	22.01	22.01		
15	36	0		21.37	21.32	21.29		
15	36	20		21.36	21.28	21.21		
15	36	39		21.27	21.21	21.15		
15	75	0		21.30	21.25	21.21		
15	1	0	16-QAM	21.45	21.48	21.44	19.29	0.0849
15	1	37		21.56	21.61	21.65		
15	1	74		21.29	21.33	21.31		
15	36	0		20.35	20.29	20.27		
15	36	20		20.35	20.26	20.22		
15	36	39		20.26	20.21	20.12		
15	75	0		20.29	20.26	20.22		
15	1	0	64-QAM	20.43	20.33	20.34	18.21	0.0662
15	1	37		20.56	20.57	20.49		
15	1	74		20.30	20.20	20.27		
15	36	0		19.36	19.33	19.31		
15	36	20		19.37	19.30	19.23		
15	36	39		19.30	19.20	19.12		
15	75	0		19.31	19.26	19.20		
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.31	22.22	22.20	20.03	0.1007
10	1	25		22.39	22.27	22.22		
10	1	49		22.23	22.17	22.10		
10	25	0		21.41	21.35	21.26		
10	25	12		21.36	21.29	21.22		
10	25	25		21.35	21.25	21.14		
10	50	0		21.38	21.29	21.20		
10	1	0	16-QAM	21.56	21.44	21.55	19.30	0.0851
10	1	25		21.66	21.59	21.52		
10	1	49		21.41	21.45	21.41		
10	25	0		20.43	20.34	20.31		
10	25	12		20.37	20.32	20.25		
10	25	25		20.36	20.27	20.17		
10	50	0		20.39	20.31	20.25		
10	1	0	64-QAM	20.51	20.42	20.43	18.15	0.0653
10	1	25		20.48	20.51	20.49		
10	1	49		20.40	20.32	20.30		
10	25	0		19.39	19.34	19.30		
10	25	12		19.36	19.31	19.22		
10	25	25		19.34	19.25	19.15		
10	50	0		19.37	19.30	19.19		
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.17	22.06	22.03	20.02	0.1005
5	1	12		22.38	22.33	22.13		
5	1	24		22.15	22.01	21.93		
5	12	0		21.33	21.21	21.08		
5	12	7		21.40	21.25	21.13		
5	12	13		21.34	21.15	21.01		
5	25	0		21.32	21.18	21.06		
5	1	0	16-QAM	21.51	21.34	21.34	19.39	0.0869
5	1	12		21.75	21.53	21.48		
5	1	24		21.44	21.39	21.22		
5	12	0		20.31	20.22	20.08		
5	12	7		20.40	20.27	20.14		
5	12	13		20.31	20.19	20.03		
5	25	0		20.34	20.22	20.10		
5	1	0	64-QAM	20.40	20.38	20.18	18.25	0.0668
5	1	12		20.61	20.53	20.37		
5	1	24		20.43	20.32	20.17		
5	12	0		19.33	19.26	19.13		
5	12	7		19.42	19.31	19.18		
5	12	13		19.33	19.24	19.08		
5	25	0		19.33	19.25	19.11		
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.31	22.17	22.04	19.98	0.0995
3	1	8		22.34	22.16	22.06		
3	1	14		22.31	22.18	22.03		
3	8	0		21.36	21.25	21.14		
3	8	4		21.38	21.25	21.16		
3	8	7		21.37	21.21	21.08		
3	15	0		21.36	21.23	21.11		
3	1	0	16-QAM	21.64	21.52	21.40	19.28	0.0847
3	1	8		21.54	21.43	21.28		
3	1	14		21.56	21.49	21.25		
3	8	0		20.44	20.31	20.21		
3	8	4		20.45	20.35	20.25		
3	8	7		20.45	20.34	20.16		
3	15	0		20.36	20.27	20.13		
3	1	0	64-QAM	20.43	20.43	20.22	18.12	0.0649
3	1	8		20.48	20.37	20.29		
3	1	14		20.45	20.40	20.26		
3	8	0		19.39	19.30	19.20		
3	8	4		19.41	19.34	19.21		
3	8	7		19.42	19.28	19.12		
3	15	0		19.35	19.24	19.09		
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.11	22.11	21.89	19.91	0.0979
1.4	1	3		22.22	22.12	22.05		
1.4	1	5		22.10	22.14	21.92		
1.4	3	0		22.20	22.17	22.02		
1.4	3	1		22.27	22.18	22.08		
1.4	3	3		22.21	22.20	22.02		
1.4	6	0		21.24	22.23	21.02		
1.4	1	0	16-QAM	21.32	21.33	21.29	19.14	0.0820
1.4	1	3		21.50	21.46	21.22		
1.4	1	5		21.28	21.47	21.22		
1.4	3	0		21.22	21.17	21.04		
1.4	3	1		21.19	21.16	21.07		
1.4	3	3		21.22	21.23	21.00		
1.4	6	0		20.32	21.32	20.13		
1.4	1	0	64-QAM	20.38	20.37	20.11	18.07	0.0641
1.4	1	3		20.43	20.30	20.13		
1.4	1	5		20.33	20.37	20.06		
1.4	3	0		20.31	20.24	20.16		
1.4	3	1		20.39	20.31	20.01		
1.4	3	3		20.31	20.31	20.17		
1.4	6	0		19.23	19.22	19.03		
Limit	ERP < 7W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.19	-	-	20.14	0.1033
15	1	37		22.50	-	-		
15	1	74		22.27	-	-		
15	36	0		21.46	-	-		
15	36	20		21.47	-	-		
15	36	39		21.47	-	-		
15	75	0		21.44	-	-		
15	1	0	16-QAM	21.55	-	-	19.35	0.0861
15	1	37		21.71	-	-		
15	1	74		21.48	-	-		
15	36	0		20.38	-	-		
15	36	20		20.40	-	-		
15	36	39		20.37	-	-		
15	75	0		20.39	-	-		
15	1	0	64-QAM	20.32	-	-	18.33	0.0681
15	1	37		20.69	-	-		
15	1	74		20.46	-	-		
15	36	0		19.34	-	-		
15	36	20		19.39	-	-		
15	36	39		19.39	-	-		
15	75	0		19.35	-	-		
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.31	-	19.98	0.0995
10	1	25		-	22.34	-		
10	1	49		-	22.22	-		
10	25	0		-	21.40	-		
10	25	12		-	21.34	-		
10	25	25		-	21.35	-		
10	50	0		-	21.40	-		
10	1	0	16-QAM	-	21.62	-	19.26	0.0843
10	1	25		-	21.61	-		
10	1	49		-	21.50	-		
10	25	0		-	20.39	-		
10	25	12		-	20.36	-		
10	25	25		-	20.37	-		
10	50	0		-	20.39	-		
10	1	0	64-QAM	-	20.49	-	18.17	0.0656
10	1	25		-	20.53	-		
10	1	49		-	20.42	-		
10	25	0		-	19.37	-		
10	25	12		-	19.32	-		
10	25	25		-	19.33	-		
10	50	0		-	19.39	-		
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.11	22.01	22.18	20.10	0.1023
5	1	12		22.44	22.46	22.45		
5	1	24		22.15	22.16	22.05		
5	12	0		21.27	21.18	21.25		
5	12	7		21.37	21.44	21.35		
5	12	13		21.30	21.39	21.29		
5	25	0		21.28	21.21	21.33		
5	1	0	16-QAM	21.41	21.51	21.32	19.36	0.0863
5	1	12		21.72	21.70	21.69		
5	1	24		21.46	21.44	21.52		
5	12	0		20.23	20.18	20.16		
5	12	7		20.33	20.43	20.29		
5	12	13		20.31	20.32	20.22		
5	25	0		20.27	20.32	20.19		
5	1	0	64-QAM	20.23	20.32	20.25	18.21	0.0662
5	1	12		20.50	20.45	20.57		
5	1	24		20.29	20.33	20.27		
5	12	0		19.24	19.18	19.18		
5	12	7		19.34	19.36	19.27		
5	12	13		19.28	19.20	19.32		
5	25	0		19.27	19.32	19.24		
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.18	22.12	22.19	19.98	0.0995
3	1	8		22.24	22.34	22.28		
3	1	14		22.24	22.34	22.19		
3	8	0		21.26	21.23	21.28		
3	8	4		21.32	21.25	21.37		
3	8	7		21.27	21.27	21.29		
3	15	0		21.26	21.30	21.19		
3	1	0	16-QAM	21.42	21.35	21.46	19.21	0.0834
3	1	8		21.44	21.42	21.46		
3	1	14		21.48	21.48	21.57		
3	8	0		20.33	20.34	20.34		
3	8	4		20.42	20.45	20.38		
3	8	7		20.35	20.34	20.38		
3	15	0		20.30	20.35	20.32		
3	1	0	64-QAM	20.43	20.52	20.45	18.16	0.0655
3	1	8		20.48	20.42	20.43		
3	1	14		20.44	20.51	20.45		
3	8	0		19.33	19.29	19.43		
3	8	4		19.40	19.31	19.39		
3	8	7		19.35	19.44	19.35		
3	15	0		19.28	19.25	19.18		
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.05	22.00	22.06	19.94	0.0986
1.4	1	3		22.19	22.21	22.14		
1.4	1	5		22.06	21.99	22.05		
1.4	3	0		22.17	22.22	22.25		
1.4	3	1		22.20	22.30	22.18		
1.4	3	3		22.20	22.25	22.13		
1.4	6	0		21.21	21.25	21.22		
1.4	1	0	16-QAM	21.29	21.36	21.39	19.21	0.0834
1.4	1	3		21.47	21.57	21.57		
1.4	1	5		21.28	21.31	21.20		
1.4	3	0		21.10	21.18	21.10		
1.4	3	1		21.18	21.23	21.14		
1.4	3	3		21.09	21.16	21.06		
1.4	6	0		20.30	20.23	20.25		
1.4	1	0	64-QAM	20.31	20.33	20.40	18.04	0.0637
1.4	1	3		20.30	20.23	20.28		
1.4	1	5		20.27	20.24	20.37		
1.4	3	0		20.28	20.35	20.25		
1.4	3	1		20.29	20.29	20.30		
1.4	3	3		20.26	20.35	20.16		
1.4	6	0		19.19	19.27	19.26		
Limit	ERP < 100W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	22.23	-	20.08	0.1019
15	1	37		-	22.44	-		
15	1	74		-	22.26	-		
15	36	0		-	21.52	-		
15	36	20		-	21.39	-		
15	36	39		-	21.41	-		
15	75	0		-	21.34	-		
15	1	0	16-QAM	-	21.48	-	19.45	0.0881
15	1	37		-	21.81	-		
15	1	74		-	21.57	-		
15	36	0		-	20.41	-		
15	36	20		-	20.39	-		
15	36	39		-	20.42	-		
15	75	0		-	20.35	-		
15	1	0	64-QAM	-	20.25	-	18.30	0.0676
15	1	37		-	20.66	-		
15	1	74		-	20.42	-		
15	36	0		-	19.27	-		
15	36	20		-	19.29	-		
15	36	39		-	19.38	-		
15	75	0		-	19.39	-		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.34	-	20.05	0.1012
10	1	25		-	22.41	-		
10	1	49		-	22.36	-		
10	25	0		-	21.32	-		
10	25	12		-	21.27	-		
10	25	25		-	21.40	-		
10	50	0		-	21.45	-		
10	1	0	16-QAM	-	21.50	-	19.29	0.0849
10	1	25		-	21.65	-		
10	1	49		-	21.60	-		
10	25	0		-	20.25	-		
10	25	12		-	20.25	-		
10	25	25		-	20.47	-		
10	50	0		-	20.28	-		
10	1	0	64-QAM	-	20.49	-	18.20	0.0661
10	1	25		-	20.44	-		
10	1	49		-	20.56	-		
10	25	0		-	19.38	-		
10	25	12		-	19.35	-		
10	25	25		-	19.28	-		
10	50	0		-	19.32	-		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	22.14	-	20.05	0.1012
5	1	12		-	22.41	-		
5	1	24		-	22.11	-		
5	12	0		-	21.37	-		
5	12	7		-	21.27	-		
5	12	13		-	21.38	-		
5	25	0		-	21.34	-		
5	1	0	16-QAM	-	21.41	-	19.26	0.0843
5	1	12		-	21.62	-		
5	1	24		-	21.55	-		
5	12	0		-	20.21	-		
5	12	7		-	20.32	-		
5	12	13		-	20.31	-		
5	25	0		-	20.24	-		
5	1	0	64-QAM	-	20.21	-	18.11	0.0647
5	1	12		-	20.47	-		
5	1	24		-	20.20	-		
5	12	0		-	19.17	-		
5	12	7		-	19.35	-		
5	12	13		-	19.33	-		
5	25	0		-	19.18	-		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	22.25	-	19.92	0.0982
3	1	8		-	22.27	-		
3	1	14		-	22.28	-		
3	8	0		-	21.35	-		
3	8	4		-	21.27	-		
3	8	7		-	21.30	-		
3	15	0		-	21.23	-		
3	1	0	16-QAM	-	21.39	-	19.18	0.0828
3	1	8		-	21.37	-		
3	1	14		-	21.54	-		
3	8	0		-	20.27	-		
3	8	4		-	20.49	-		
3	8	7		-	20.43	-		
3	15	0		-	20.31	-		
3	1	0	64-QAM	-	20.49	-	18.13	0.0650
3	1	8		-	20.46	-		
3	1	14		-	20.45	-		
3	8	0		-	19.35	-		
3	8	4		-	19.40	-		
3	8	7		-	19.34	-		
3	15	0		-	19.29	-		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	22.07	-	19.94	0.0986
1.4	1	3		-	22.26	-		
1.4	1	5		-	22.15	-		
1.4	3	0		-	22.27	-		
1.4	3	1		-	22.16	-		
1.4	3	3		-	22.30	-		
1.4	6	0		-	21.29	-		
1.4	1	0	16-QAM	-	21.26	-	19.14	0.0820
1.4	1	3		-	21.50	-		
1.4	1	5		-	21.34	-		
1.4	3	0		-	21.08	-		
1.4	3	1		-	21.22	-		
1.4	3	3		-	20.99	-		
1.4	6	0		-	20.21	-		
1.4	1	0	64-QAM	-	20.25	-	18.01	0.0632
1.4	1	3		-	20.28	-		
1.4	1	5		-	20.20	-		
1.4	3	0		-	20.34	-		
1.4	3	1		-	20.37	-		
1.4	3	3		-	20.36	-		
1.4	6	0		-	19.17	-		
Limit	ERP < 7W			Result			Pass	

LTE Band 38 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.06	22.11	22.29	21.25	0.1334
20	1	49		22.42	22.57	22.63		
20	1	99		21.95	22.09	22.14		
20	50	0		21.20	21.31	21.31		
20	50	24		21.15	21.29	21.35		
20	50	50		21.09	21.28	21.33		
20	100	0		21.18	21.30	21.39		
20	1	0	16-QAM	21.11	21.11	21.26	20.23	0.1054
20	1	49		21.50	21.59	21.61		
20	1	99		21.00	21.14	21.10		
20	50	0		20.29	20.34	20.39		
20	50	24		20.23	20.35	20.40		
20	50	50		20.16	20.37	20.41		
20	100	0		20.24	20.37	20.41		
20	1	0	64-QAM	19.68	19.69	19.84	18.80	0.0759
20	1	49		20.06	20.18	20.08		
20	1	99		19.57	19.73	19.69		
20	50	0		19.34	19.40	19.37		
20	50	24		19.30	19.39	19.30		
20	50	50		19.21	19.41	19.33		
20	100	0		19.29	19.40	19.36		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.02	22.11	22.27	20.99	0.1256
15	1	37		22.05	22.26	22.37		
15	1	74		21.89	22.17	22.20		
15	36	0		21.03	21.24	21.35		
15	36	20		21.03	21.25	21.37		
15	36	39		21.02	21.27	21.38		
15	75	0		21.01	21.25	21.34		
15	1	0	16-QAM	21.23	21.33	21.47	20.19	0.1045
15	1	37		21.26	21.49	21.57		
15	1	74		21.21	21.37	21.41		
15	36	0		20.01	20.21	20.30		
15	36	20		20.01	20.22	20.35		
15	36	39		20.00	20.24	20.35		
15	75	0		20.06	20.25	20.40		
15	1	0	64-QAM	19.98	20.08	20.25	18.96	0.0787
15	1	37		20.01	20.24	20.34		
15	1	74		19.89	20.13	20.19		
15	36	0		19.10	19.29	19.39		
15	36	20		19.09	19.30	19.42		
15	36	39		19.07	19.31	19.43		
15	75	0		19.12	19.31	19.46		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.00	22.08	22.29	20.96	0.1247
10	1	25		22.00	22.21	22.34		
10	1	49		22.01	22.20	22.31		
10	25	0		21.02	21.17	21.28		
10	25	12		21.02	21.20	21.34		
10	25	25		21.00	21.22	21.35		
10	50	0		21.04	21.24	21.33		
10	1	0	16-QAM	21.23	21.32	21.49	20.17	0.1040
10	1	25		21.23	21.42	21.55		
10	1	49		21.25	21.41	21.53		
10	25	0		20.11	20.22	20.37		
10	25	12		20.06	20.26	20.40		
10	25	25		20.09	20.28	20.42		
10	50	0		20.10	20.31	20.38		
10	1	0	64-QAM	19.98	20.06	20.25	18.93	0.0782
10	1	25		19.96	20.17	20.31		
10	1	49		20.00	20.17	20.28		
10	25	0		19.21	19.35	19.50		
10	25	12		19.20	19.38	19.52		
10	25	25		19.18	19.39	19.52		
10	50	0		19.12	19.33	19.41		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.01	22.10	22.28	20.97	0.1250
5	1	12		22.00	22.18	22.31		
5	1	24		22.04	22.22	22.33		
5	12	0		21.98	22.12	22.31		
5	12	7		22.02	22.19	22.33		
5	12	13		22.02	22.21	22.35		
5	25	0		21.02	21.16	21.26		
5	1	0	16-QAM	21.22	21.28	21.49	20.16	0.1038
5	1	12		21.23	21.39	21.51		
5	1	24		21.27	21.42	21.54		
5	12	0		21.00	21.13	21.27		
5	12	7		21.05	21.21	21.34		
5	12	13		21.07	21.23	21.36		
5	25	0		20.11	20.21	20.38		
5	1	0	64-QAM	19.98	20.07	20.24	19.03	0.0800
5	1	12		19.98	20.13	20.30		
5	1	24		20.00	20.17	20.30		
5	12	0		20.09	20.19	20.35		
5	12	7		20.12	20.26	20.39		
5	12	13		20.12	20.29	20.41		
5	25	0		19.22	19.35	19.50		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.88	21.94	22.16	21.05	0.1274
20	1	49		21.99	22.27	22.43		
20	1	99		21.61	21.96	22.14		
20	50	0		20.99	21.16	21.49		
20	50	24		20.95	21.23	21.39		
20	50	50		20.81	21.21	21.24		
20	100	0		20.92	21.25	21.40		
20	1	0	16-QAM	21.07	21.16	21.38	20.24	0.1057
20	1	49		21.18	21.49	21.62		
20	1	99		20.81	21.18	21.35		
20	50	0		20.02	20.23	20.54		
20	50	24		19.99	20.28	20.43		
20	50	50		19.87	20.34	20.31		
20	100	0		19.97	20.29	20.44		
20	1	0	64-QAM	19.82	19.92	20.14	19.01	0.0796
20	1	49		19.92	20.23	20.39		
20	1	99		19.52	19.94	20.09		
20	50	0		19.05	19.26	19.56		
20	50	24		19.01	19.30	19.42		
20	50	50		18.91	19.38	19.29		
20	100	0		19.00	19.35	19.42		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.97	22.14	22.31	21.01	0.1262
15	1	37		21.94	22.27	22.39		
15	1	74		21.78	22.15	22.31		
15	36	0		20.99	21.23	21.43		
15	36	20		20.93	21.24	21.38		
15	36	39		20.86	21.29	21.36		
15	75	0		20.92	21.24	21.40		
15	1	0	16-QAM	21.21	21.34	21.51	20.23	0.1054
15	1	37		21.17	21.45	21.61		
15	1	74		21.00	21.34	21.50		
15	36	0		19.96	20.19	20.39		
15	36	20		19.93	20.21	20.35		
15	36	39		19.86	20.26	20.33		
15	75	0		19.98	20.26	20.42		
15	1	0	64-QAM	19.95	20.09	20.27	18.96	0.0787
15	1	37		19.93	20.21	20.34		
15	1	74		19.74	20.11	20.28		
15	36	0		19.04	19.28	19.44		
15	36	20		19.02	19.27	19.38		
15	36	39		18.96	19.33	19.37		
15	75	0		19.03	19.33	19.43		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.01	22.21	22.41	21.12	0.1294
10	1	25		22.04	22.32	22.50		
10	1	49		21.85	22.20	22.43		
10	25	0		21.03	21.24	21.47		
10	25	12		20.99	21.26	21.45		
10	25	25		20.93	21.28	21.41		
10	50	0		21.00	21.28	21.46		
10	1	0	16-QAM	21.24	21.43	21.62	20.33	0.1079
10	1	25		21.27	21.54	21.71		
10	1	49		21.10	21.43	21.63		
10	25	0		20.11	20.32	20.54		
10	25	12		20.05	20.31	20.48		
10	25	25		20.01	20.31	20.43		
10	50	0		20.07	20.34	20.52		
10	1	0	64-QAM	20.02	20.19	20.37	19.09	0.0811
10	1	25		20.01	20.29	20.47		
10	1	49		19.83	20.18	20.38		
10	25	0		19.24	19.43	19.59		
10	25	12		19.19	19.44	19.57		
10	25	25		19.13	19.44	19.49		
10	50	0		19.11	19.35	19.49		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = -1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.96	22.15	22.34	21.09	0.1285
5	1	12		21.99	22.28	22.47		
5	1	24		21.86	22.18	22.36		
5	12	0		21.01	21.25	21.47		
5	12	7		21.02	21.28	21.46		
5	12	13		20.98	21.26	21.43		
5	25	0		20.99	21.25	21.43		
5	1	0	16-QAM	21.17	21.32	21.53	20.27	0.1064
5	1	12		21.23	21.46	21.65		
5	1	24		21.09	21.37	21.55		
5	12	0		20.03	20.24	20.48		
5	12	7		20.07	20.30	20.47		
5	12	13		20.01	20.27	20.45		
5	25	0		20.09	20.29	20.48		
5	1	0	64-QAM	19.95	20.13	20.31	19.03	0.0800
5	1	12		19.96	20.23	20.41		
5	1	24		19.86	20.13	20.32		
5	12	0		19.13	19.36	19.54		
5	12	7		19.13	19.38	19.52		
5	12	13		19.11	19.39	19.52		
5	25	0		19.20	19.39	19.54		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.16	22.55	22.63	21.92	0.1556
20	1	49		22.68	23.03	22.93		
20	1	99		22.48	22.75	22.70		
20	50	0		21.54	22.02	22.00		
20	50	24		21.68	22.07	22.04		
20	50	50		21.82	22.15	22.04		
20	100	0		21.70	22.07	22.03		
20	1	0	16-QAM	21.53	21.97	22.03	21.28	0.1343
20	1	49		22.09	22.39	22.27		
20	1	99		21.82	22.09	22.01		
20	50	0		20.57	21.02	20.99		
20	50	24		20.70	21.05	21.04		
20	50	50		20.88	21.15	21.02		
20	100	0		20.73	21.06	21.01		
20	1	0	64-QAM	20.49	20.86	20.95	20.27	0.1064
20	1	49		21.04	21.38	21.23		
20	1	99		20.82	21.05	20.95		
20	50	0		19.65	20.10	20.04		
20	50	24		19.78	20.14	20.06		
20	50	50		19.93	20.24	20.01		
20	100	0		19.81	20.16	20.03		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.42	22.63	22.65	21.90	0.1549
15	1	37		22.73	23.01	22.93		
15	1	74		22.65	22.83	22.80		
15	36	0		21.66	21.98	21.97		
15	36	20		21.75	22.07	21.97		
15	36	39		21.86	22.09	21.99		
15	75	0		21.76	22.02	21.95		
15	1	0	16-QAM	21.72	22.12	22.05	21.11	0.1291
15	1	37		22.14	22.22	22.22		
15	1	74		21.95	22.06	22.07		
15	36	0		20.54	20.97	20.94		
15	36	20		20.64	21.09	20.92		
15	36	39		20.71	21.10	20.93		
15	75	0		20.64	21.06	20.96		
15	1	0	64-QAM	20.59	20.93	20.98	20.23	0.1054
15	1	37		20.81	21.34	21.18		
15	1	74		20.67	21.16	21.01		
15	36	0		19.50	20.00	19.96		
15	36	20		19.57	20.12	19.95		
15	36	39		19.70	20.17	19.94		
15	75	0		19.63	20.03	19.90		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.52	22.29	22.26	21.41	0.1384
10	1	25		22.14	22.39	22.46		
10	1	49		22.11	22.28	22.38		
10	25	0		21.20	21.25	21.50		
10	25	12		21.08	21.26	21.55		
10	25	25		21.17	21.24	21.51		
10	50	0		21.14	21.17	21.49		
10	1	0	16-QAM	21.25	21.51	21.58	20.60	0.1148
10	1	25		21.49	21.62	21.71		
10	1	49		21.46	21.54	21.65		
10	25	0		20.14	20.36	20.48		
10	25	12		20.30	20.44	20.49		
10	25	25		20.36	20.56	20.55		
10	50	0		20.27	20.52	20.62		
10	1	0	64-QAM	20.22	20.56	20.71	19.76	0.0946
10	1	25		20.39	20.87	20.79		
10	1	49		20.08	20.70	20.70		
10	25	0		19.04	19.59	19.40		
10	25	12		19.13	19.70	19.67		
10	25	25		19.11	19.75	19.67		
10	50	0		19.10	19.61	19.66		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.48	22.47	22.06	21.61	0.1449
5	1	12		22.27	22.72	22.42		
5	1	24		22.57	22.41	22.20		
5	12	0		21.24	21.64	21.39		
5	12	7		21.36	21.61	21.42		
5	12	13		21.38	21.57	21.38		
5	25	0		21.31	21.56	21.34		
5	1	0	16-QAM	21.44	21.72	21.41	20.80	0.1202
5	1	12		21.70	21.91	21.74		
5	1	24		21.46	21.67	21.40		
5	12	0		20.27	20.36	20.32		
5	12	7		20.39	20.40	20.34		
5	12	13		20.41	20.54	20.32		
5	25	0		20.35	20.59	20.23		
5	1	0	64-QAM	20.33	20.62	20.22	19.73	0.0940
5	1	12		20.66	20.84	20.64		
5	1	24		20.27	20.66	20.42		
5	12	0		19.35	19.62	19.39		
5	12	7		19.41	19.64	19.32		
5	12	13		19.46	19.65	19.29		
5	25	0		19.38	19.60	19.34		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.61	22.34	22.18	21.53	0.1422
3	1	8		22.64	22.50	22.29		
3	1	14		22.08	22.52	22.38		
3	8	0		21.98	22.50	22.29		
3	8	4		22.05	22.50	22.34		
3	8	7		22.14	22.56	22.35		
3	15	0		21.73	21.53	21.33		
3	1	0	16-QAM	21.23	21.83	21.42	20.80	0.1202
3	1	8		21.26	21.77	21.49		
3	1	14		21.30	21.91	21.57		
3	8	0		21.05	21.60	21.35		
3	8	4		21.09	21.67	21.44		
3	8	7		21.16	21.72	21.46		
3	15	0		20.08	20.66	20.38		
3	1	0	64-QAM	20.07	20.67	20.34	19.74	0.0942
3	1	8		20.27	20.75	20.56		
3	1	14		20.31	20.85	20.52		
3	8	0		20.07	20.59	20.53		
3	8	4		20.11	20.63	20.44		
3	8	7		20.17	20.69	20.59		
3	15	0		19.05	19.62	19.41		
Limit	EIRP < 1W			Result			Pass	

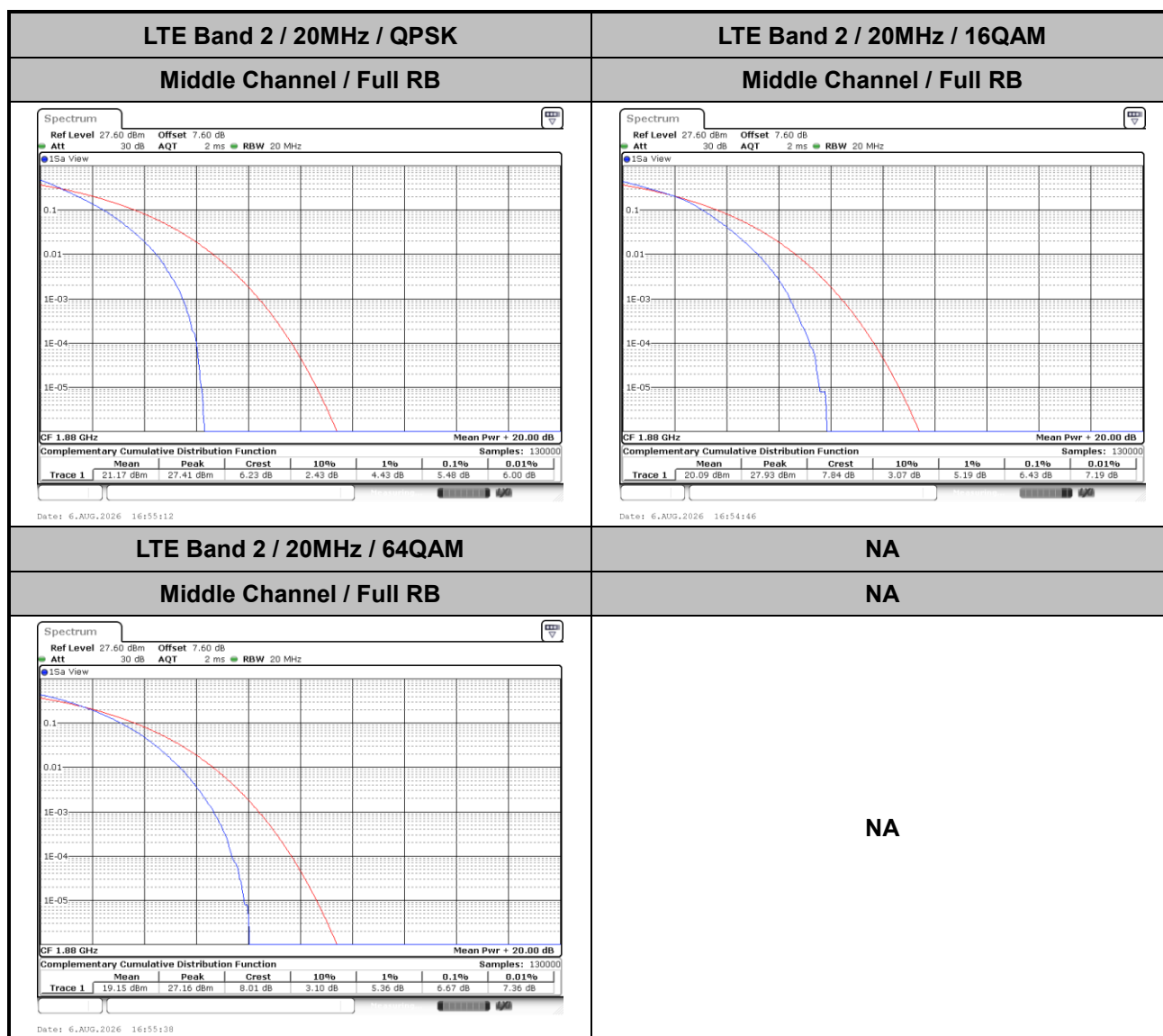
LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.37	22.90	22.72	21.92	0.1556
1.4	1	3		22.51	22.99	22.87		
1.4	1	5		22.42	22.89	22.73		
1.4	3	0		22.51	22.98	22.83		
1.4	3	1		22.58	23.03	22.91		
1.4	3	3		22.54	23.00	22.85		
1.4	6	0		21.61	22.06	21.92		
1.4	1	0	16-QAM	21.80	22.18	22.06	21.18	0.1312
1.4	1	3		21.86	22.29	22.19		
1.4	1	5		21.75	22.21	21.98		
1.4	3	0		21.51	22.05	21.89		
1.4	3	1		21.58	22.03	21.86		
1.4	3	3		21.55	21.99	21.83		
1.4	6	0		20.69	21.18	21.00		
1.4	1	0	64-QAM	20.74	21.11	21.03	20.14	0.1033
1.4	1	3		20.84	21.25	21.03		
1.4	1	5		20.65	21.19	20.90		
1.4	3	0		20.72	21.14	20.98		
1.4	3	1		20.80	21.21	21.08		
1.4	3	3		20.69	21.20	21.00		
1.4	6	0		19.63	20.08	19.92		
Limit	EIRP < 1W			Result			Pass	



LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.48	6.43	6.67	-	PASS





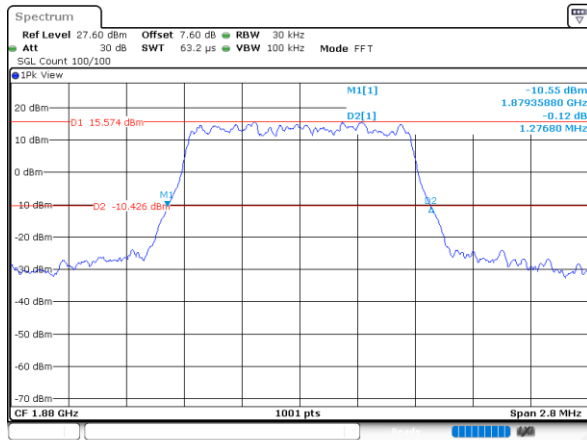
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.27	2.97	2.96	4.83	4.86	9.74	9.86	14.64	14.28	18.80	18.92

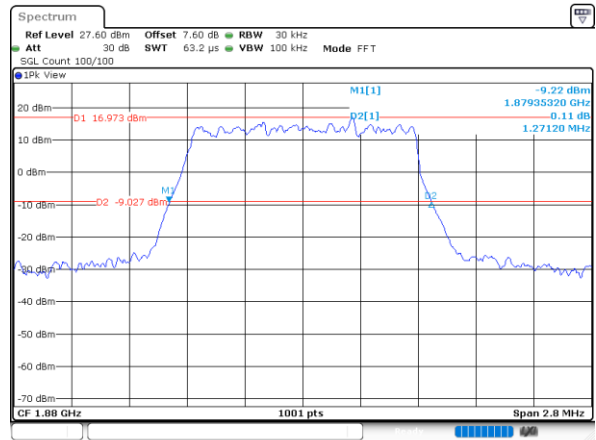


LTE Band 2

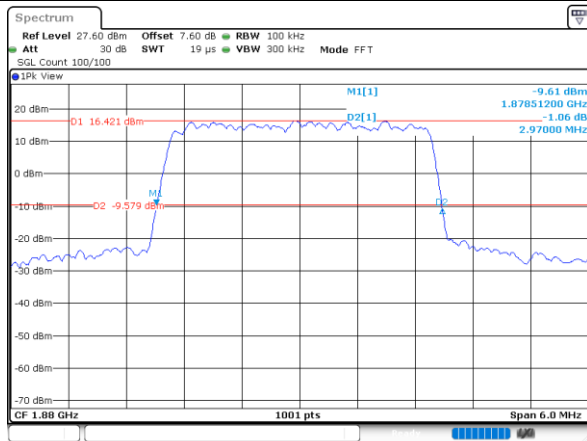
Middle Channel / 1.4MHz / QPSK



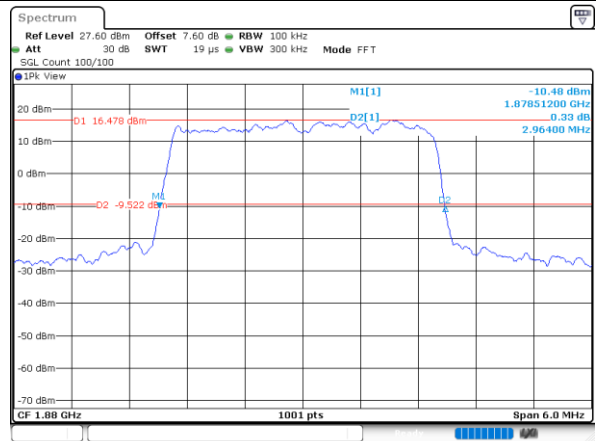
Middle Channel / 1.4MHz / 16QAM



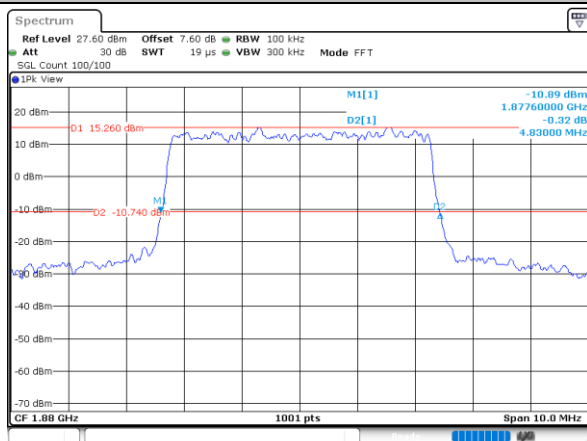
Middle Channel / 3MHz / QPSK



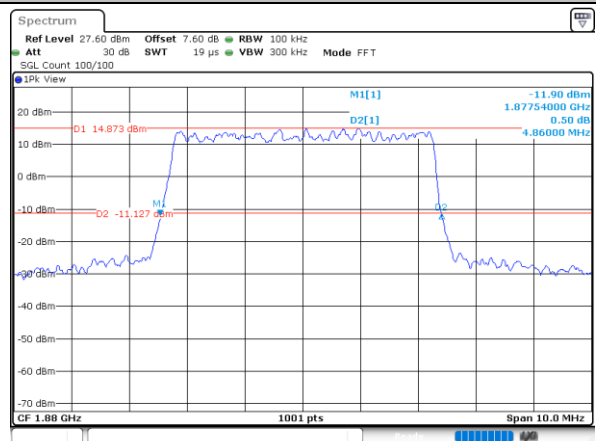
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



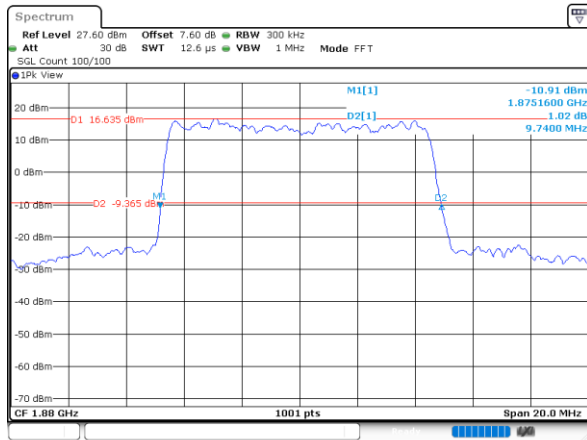
Middle Channel / 5MHz / 16QAM





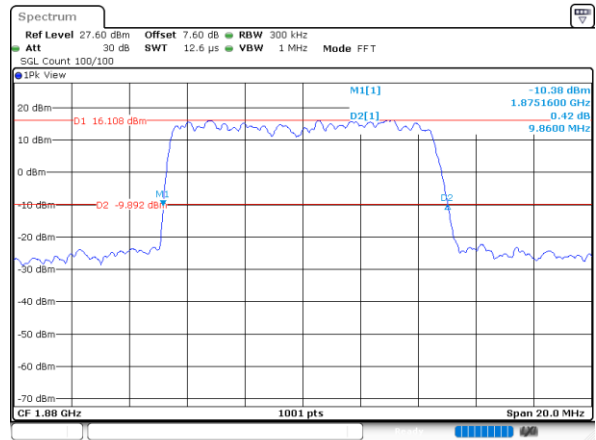
LTE Band 2

Middle Channel / 10MHz / QPSK



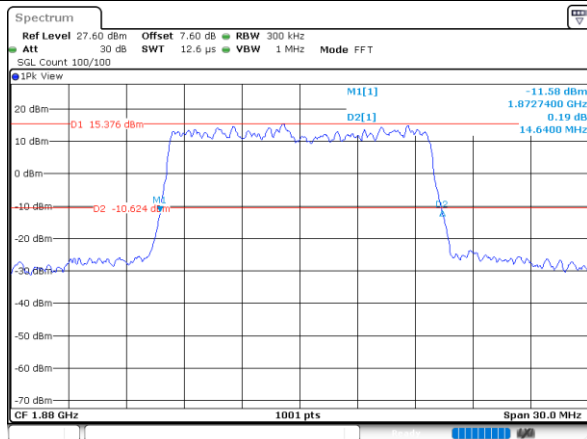
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Middle Channel / 10MHz / 16QAM



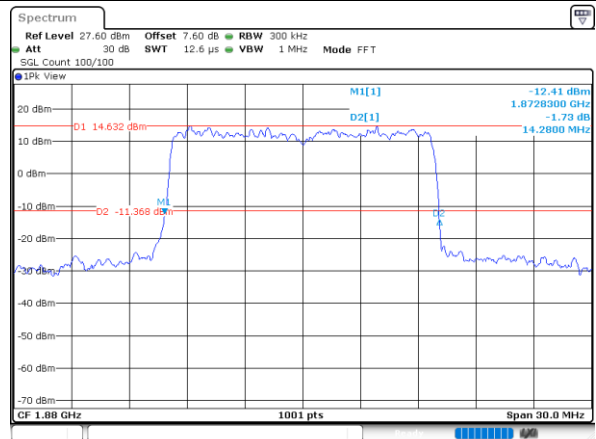
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Middle Channel / 15MHz / QPSK



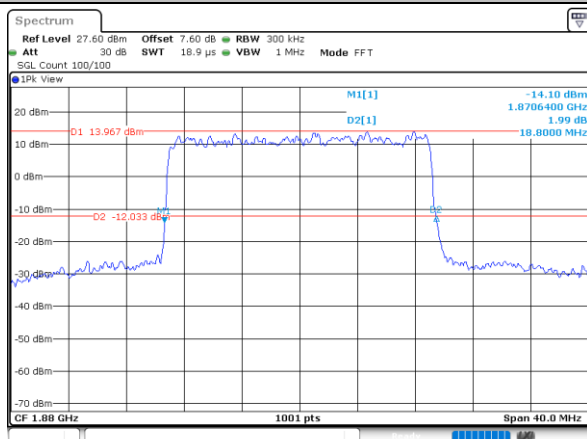
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Middle Channel / 15MHz / 16QAM



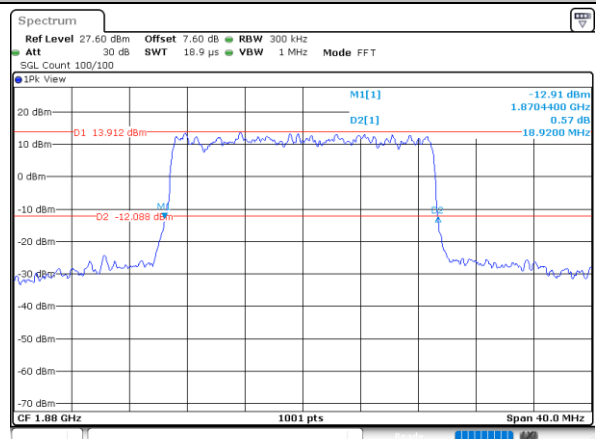
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Middle Channel / 20MHz / QPSK



Date: 6,AUG,2026 17:05:38

Middle Channel / 20MHz / 16QAM



Date: 6,AUG,2026 17:06:03



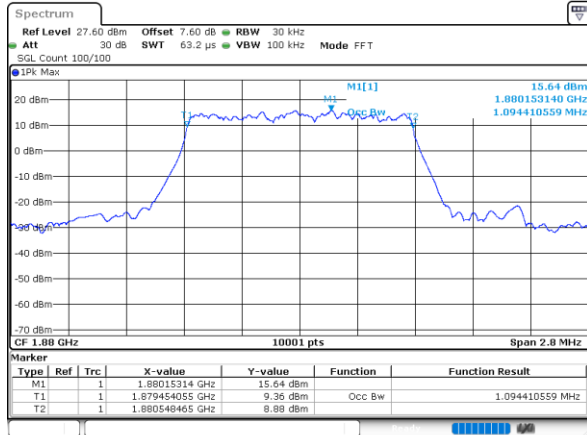
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.71	4.49	4.47	9.05	9.00	13.40	13.46	17.81	17.91

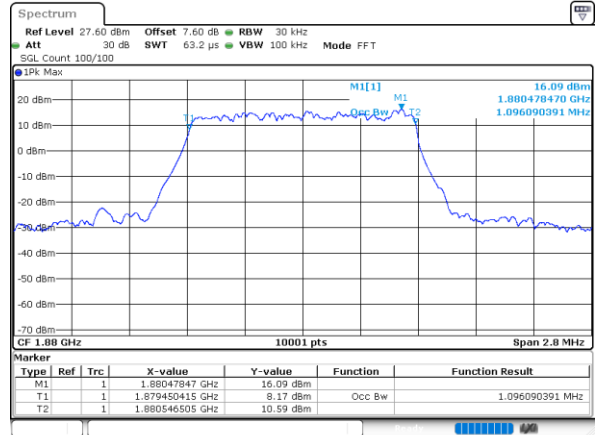


LTE Band 2

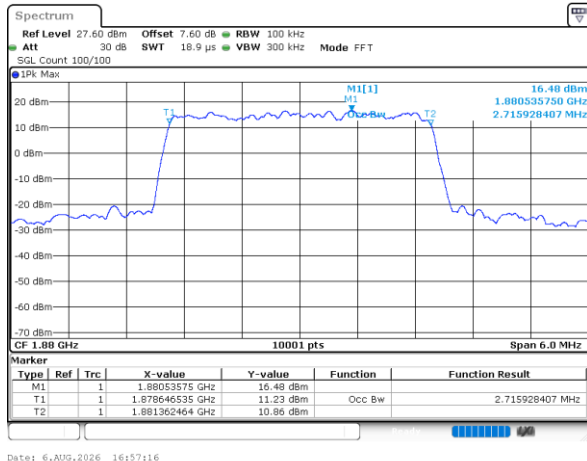
Middle Channel / 1.4MHz / QPSK



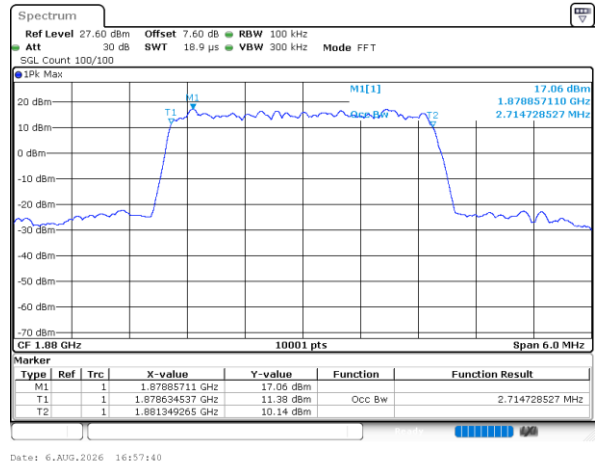
Middle Channel / 1.4MHz / 16QAM



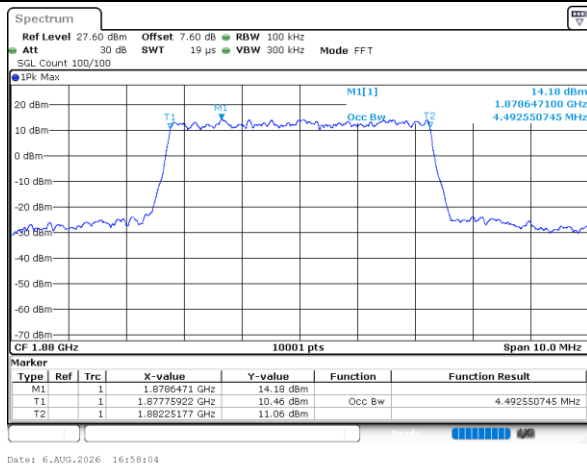
Middle Channel / 3MHz / QPSK



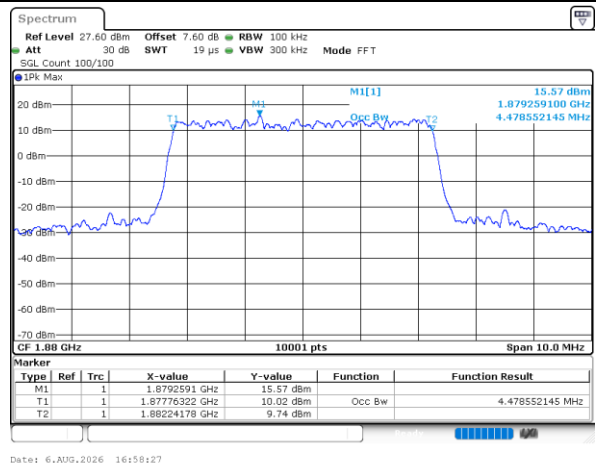
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



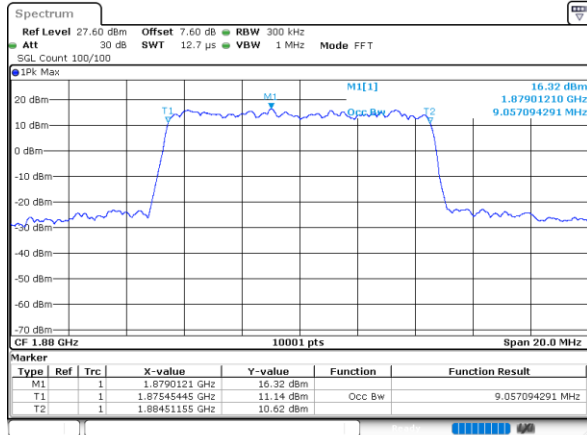
Middle Channel / 5MHz / 16QAM





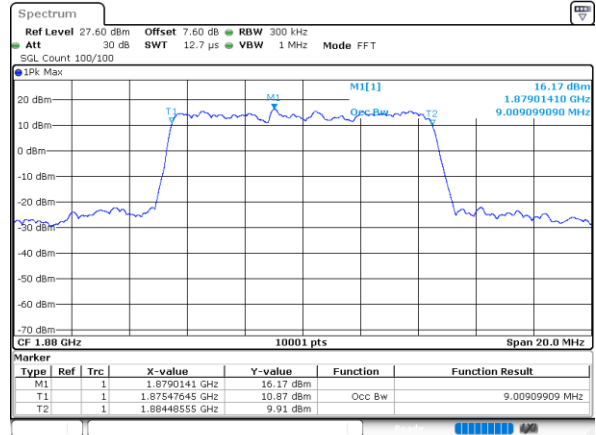
LTE Band 2

Middle Channel / 10MHz / QPSK



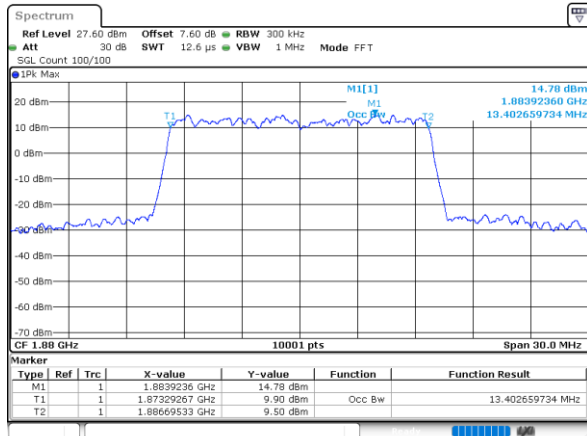
Date: 6.AUG.2026 16:58:52

Middle Channel / 10MHz / 16QAM



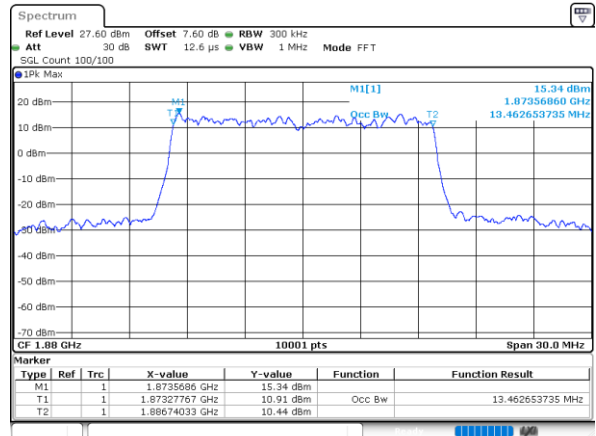
Date: 6.AUG.2026 16:59:15

Middle Channel / 15MHz / QPSK



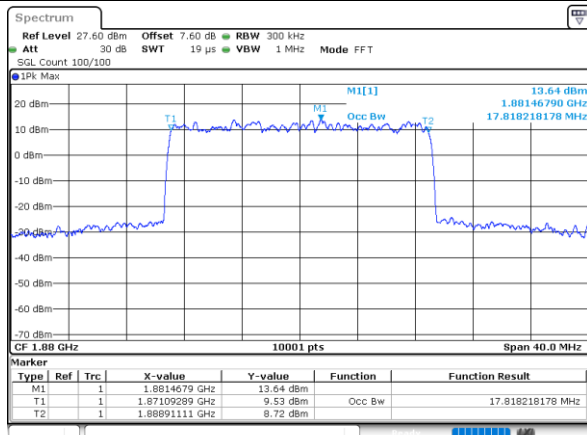
Date: 6.AUG.2026 16:59:40

Middle Channel / 15MHz / 16QAM



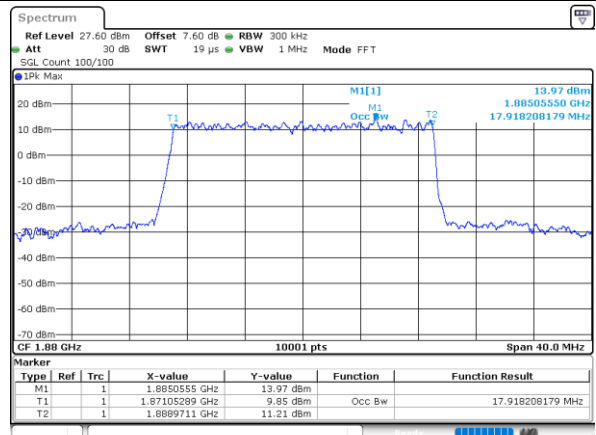
Date: 6.AUG.2026 17:00:03

Middle Channel / 20MHz / QPSK



Date: 6.AUG.2026 17:00:28

Middle Channel / 20MHz / 16QAM



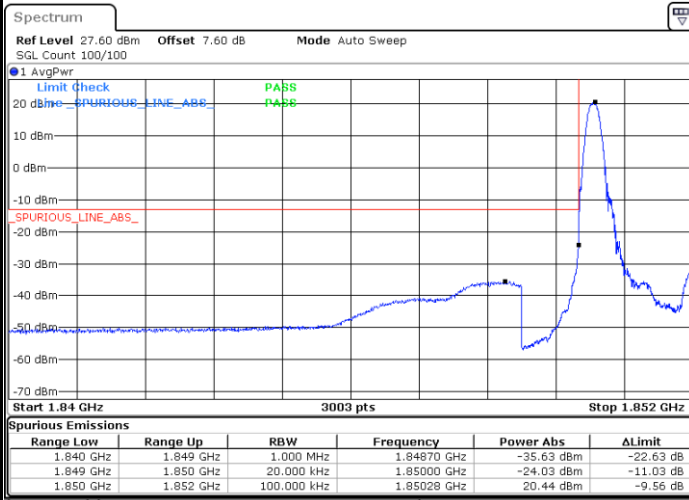
Date: 6.AUG.2026 17:00:51



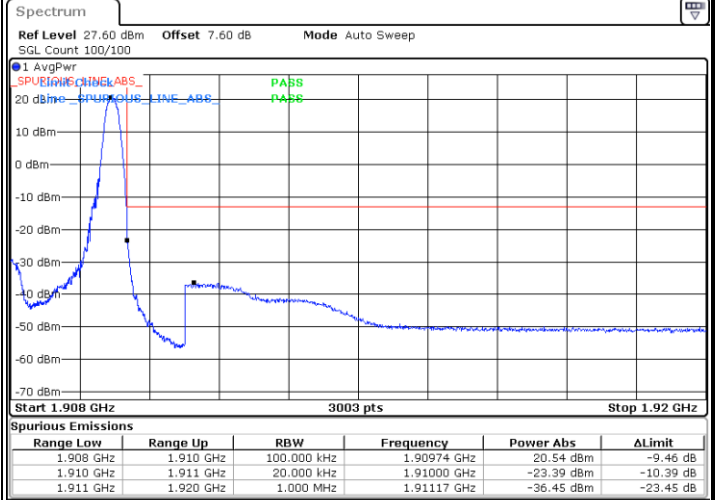
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

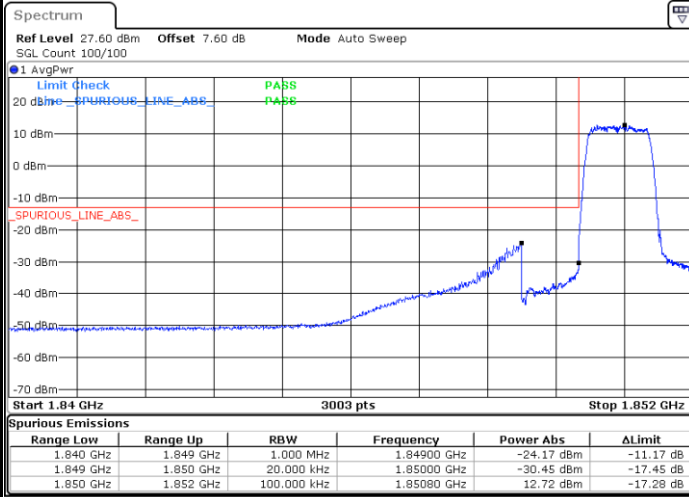
Lowest Band Edge / 1RB



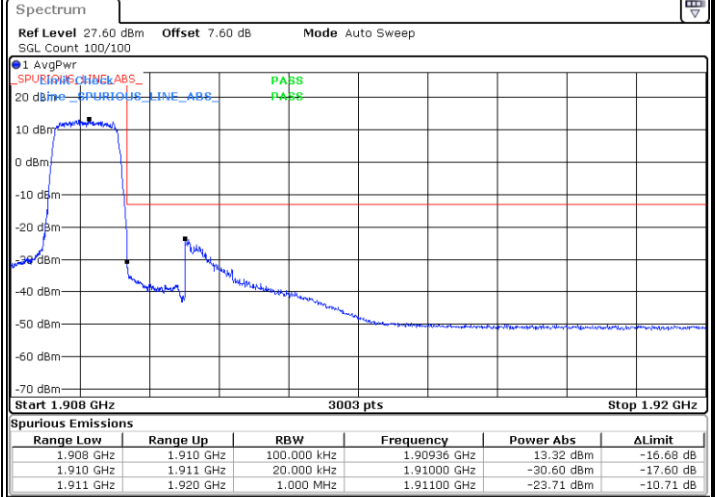
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



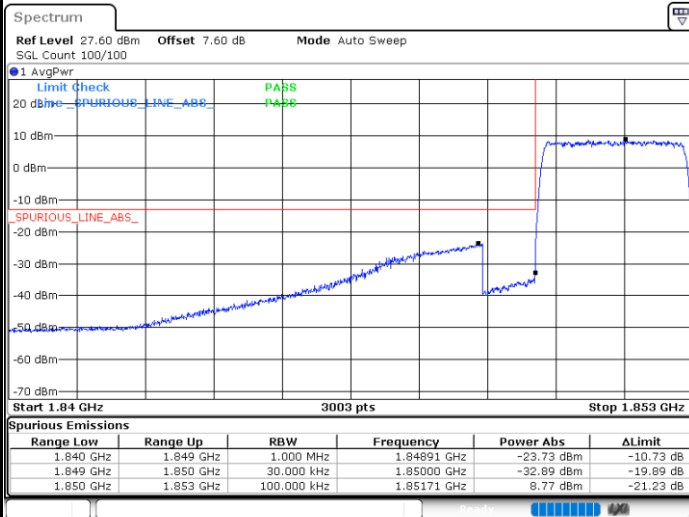
Highest Band Edge / Full RB



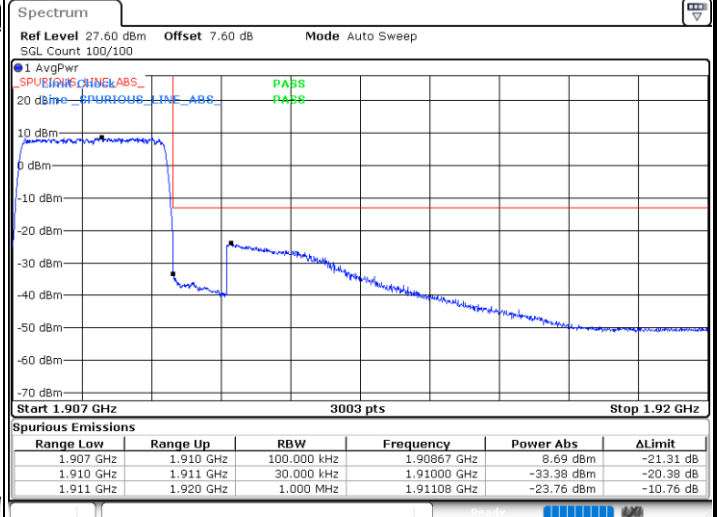


LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / Full RB

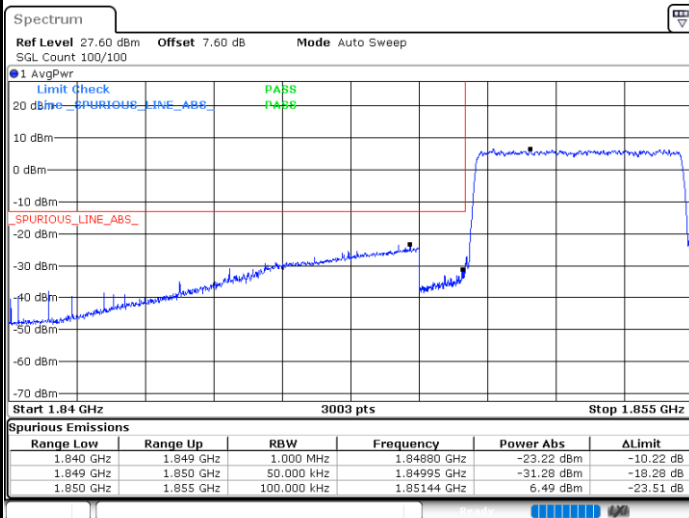


Highest Band Edge / Full RB

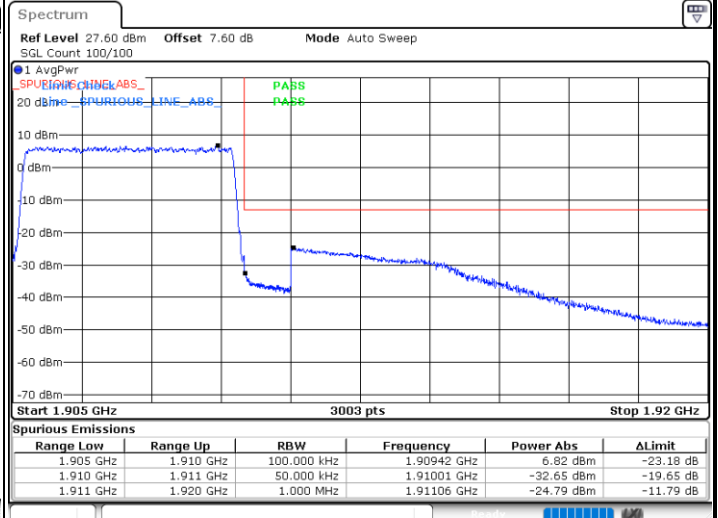


LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / Full RB



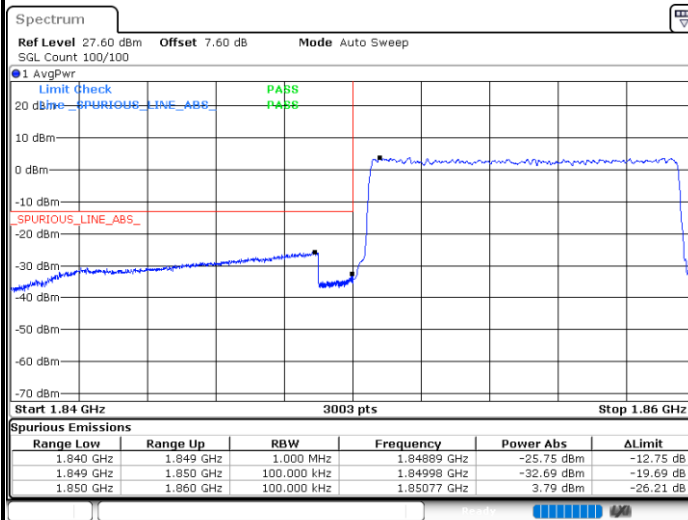
Highest Band Edge / Full RB



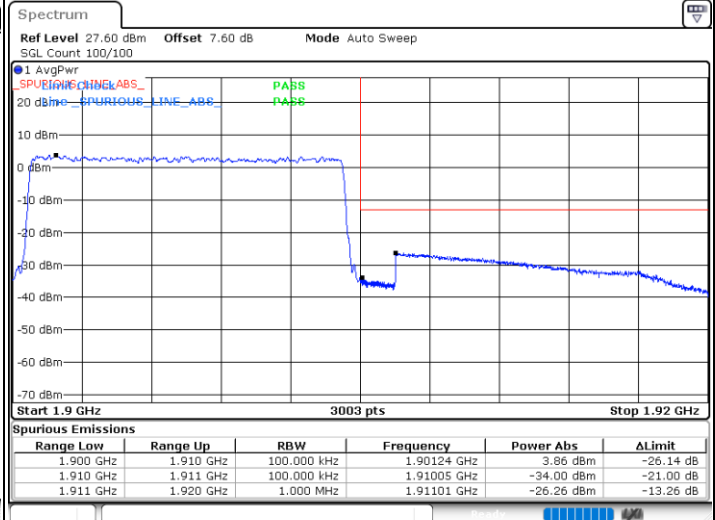


LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / Full RB

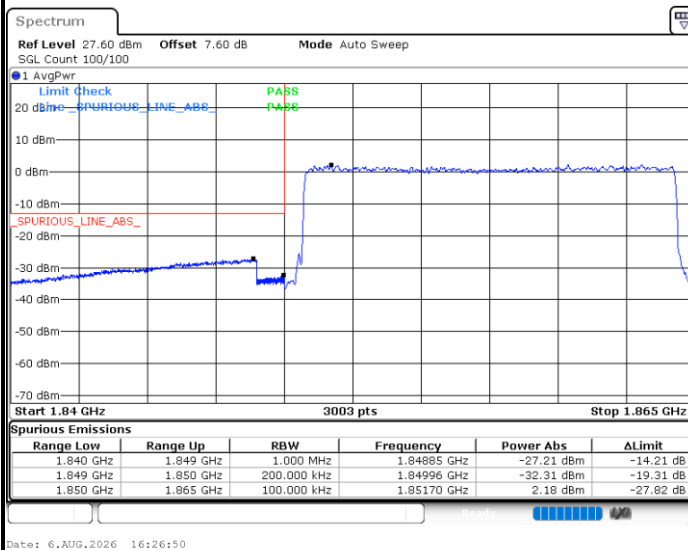


Highest Band Edge / Full RB

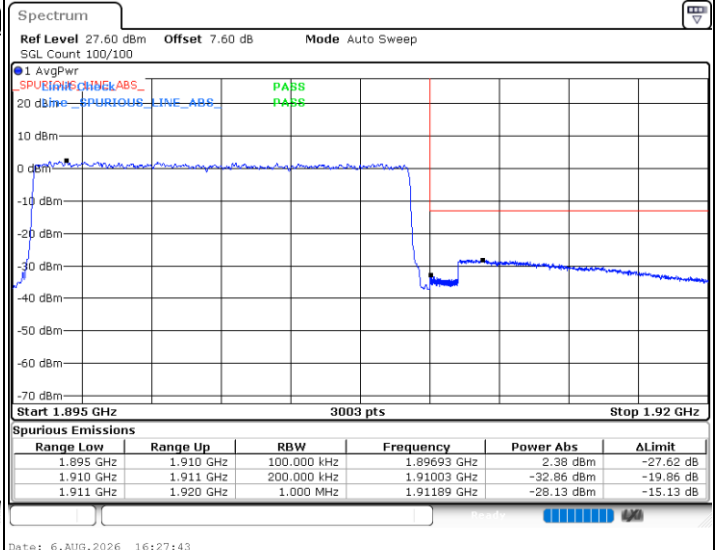


LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

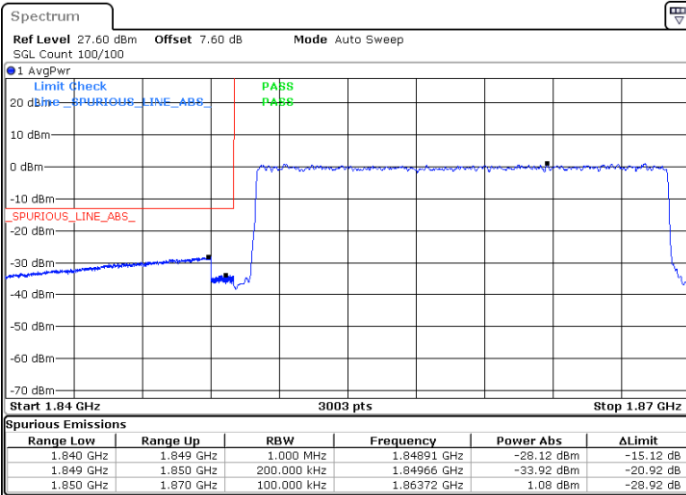




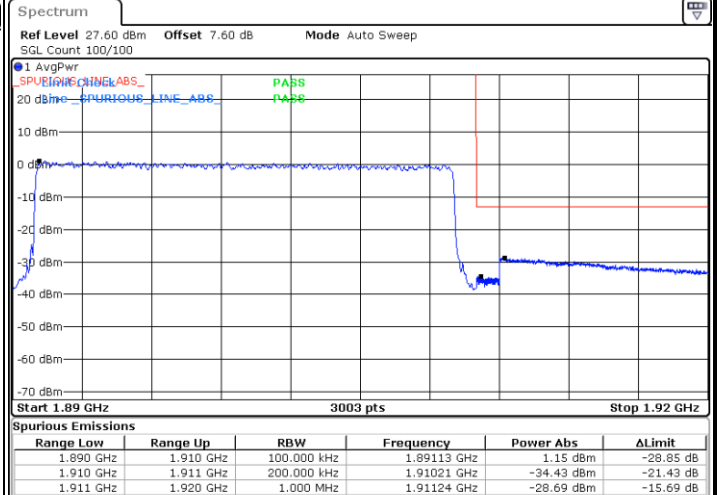
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.AUG.2026 16:28:36



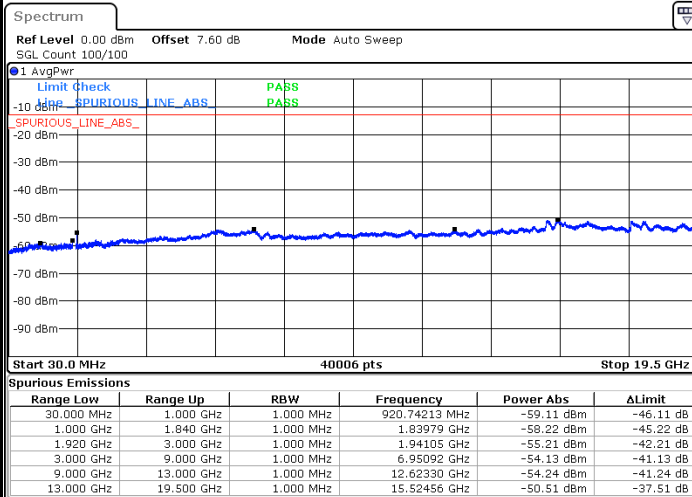
Date: 6.AUG.2026 16:29:29



Conducted Spurious Emission

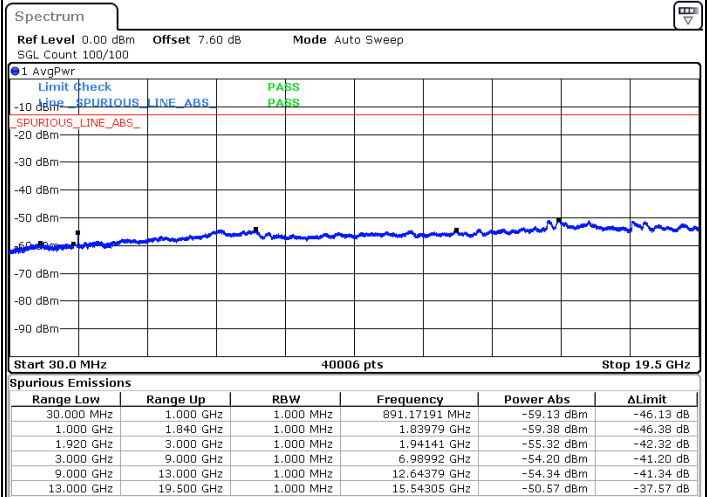
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



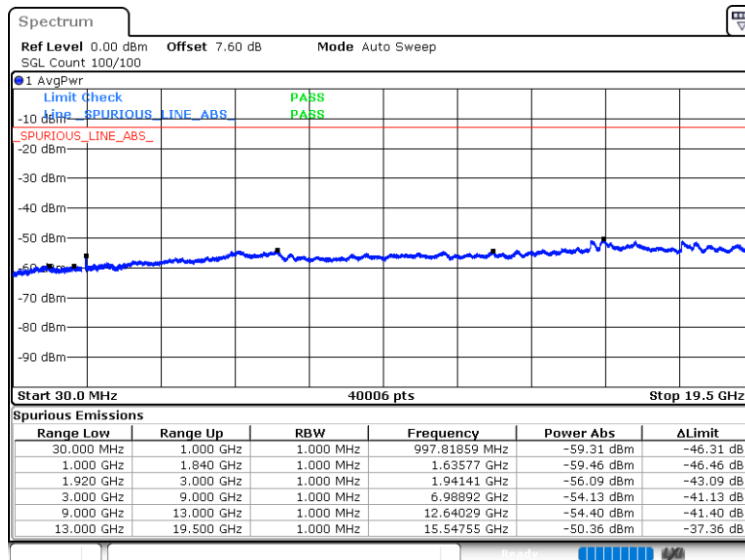
Date: 6.AUG.2026 16:30:52

Middle Channel / QPSK



Date: 6.AUG.2026 16:32:14

Highest Channel / QPSK

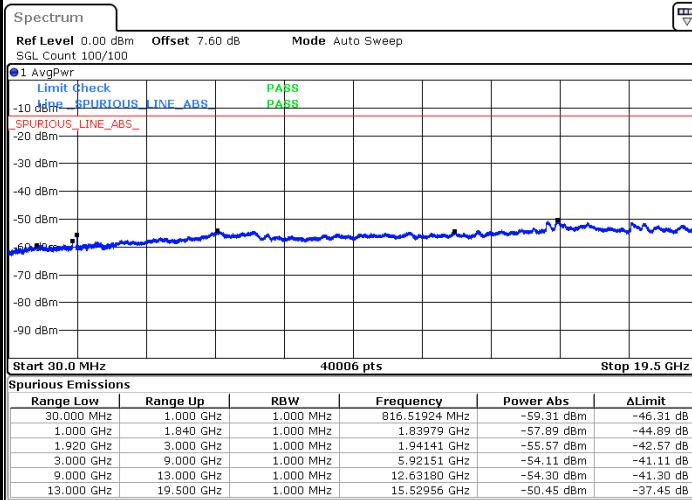


Date: 6.AUG.2026 16:33:37



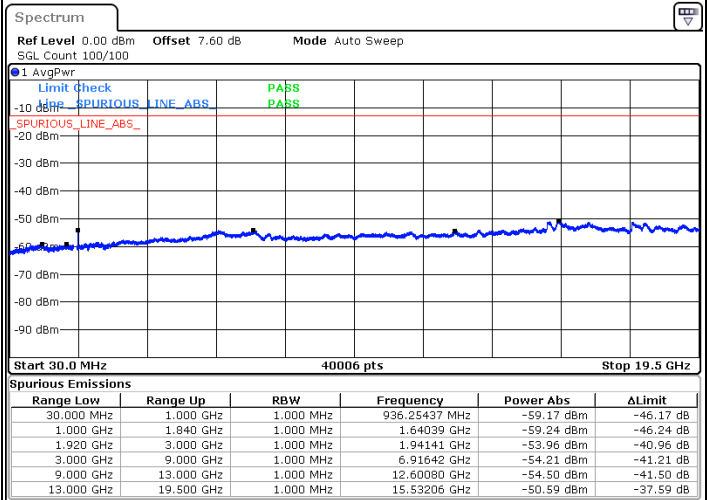
LTE Band 2 / 3MHz

Lowest Channel / QPSK



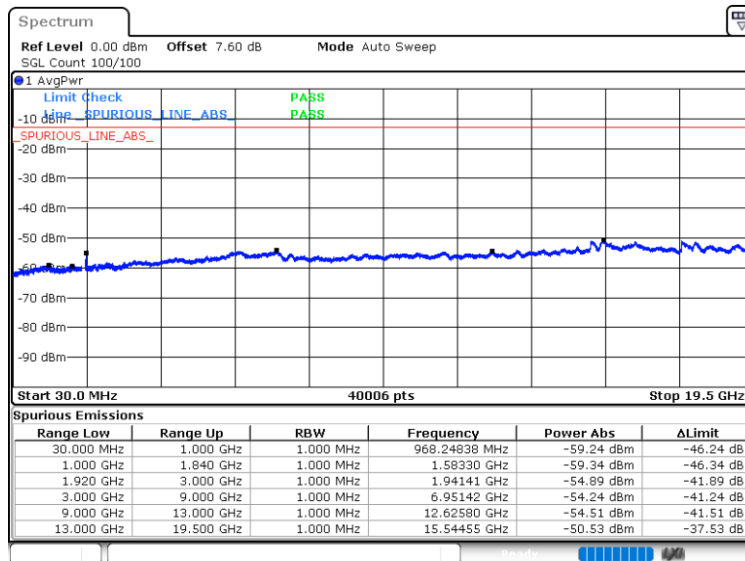
Date: 6.AUG.2026 16:35:00

Middle Channel / QPSK



Date: 6.AUG.2026 16:36:23

Highest Channel / QPSK

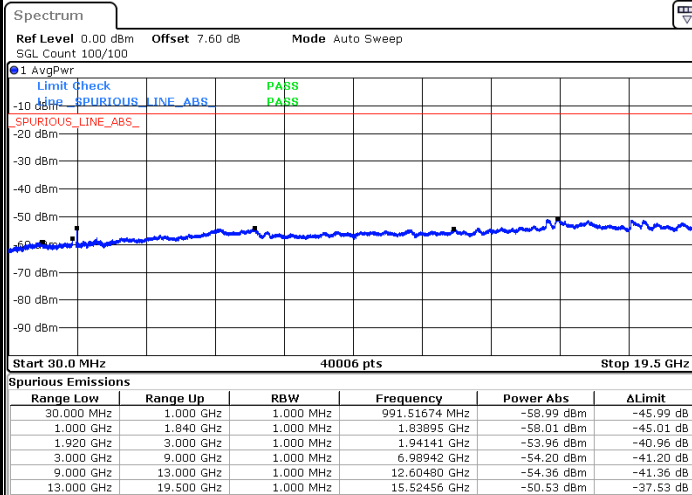


Date: 6.AUG.2026 16:37:45



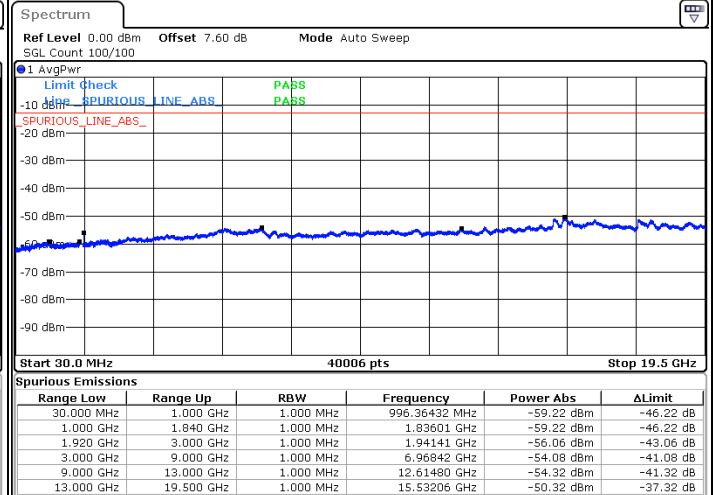
LTE Band 2 / 5MHz

Lowest Channel / QPSK



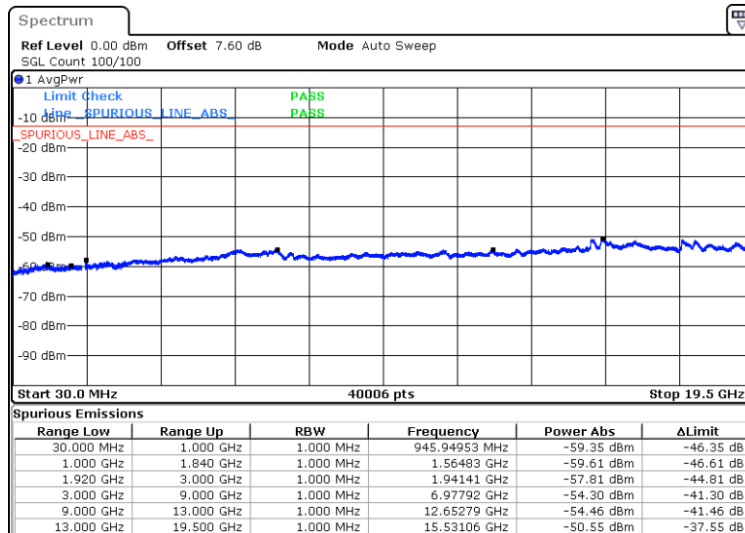
Date: 6.AUG.2026 16:39:09

Middle Channel / QPSK



Date: 6.AUG.2026 16:40:31

Highest Channel / QPSK

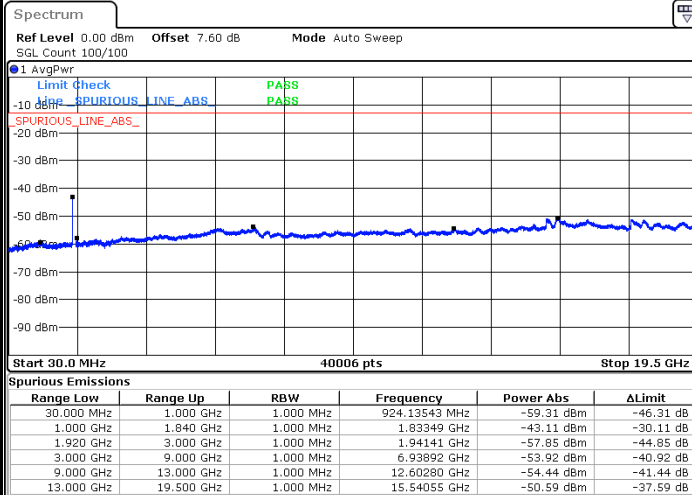


Date: 6.AUG.2026 16:41:54



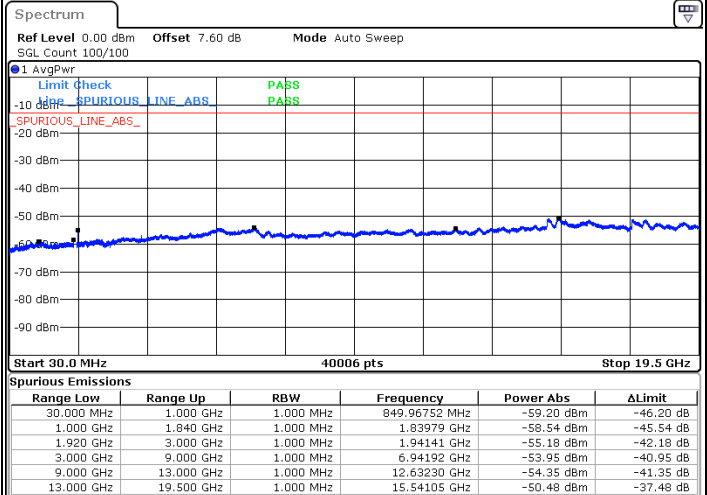
LTE Band 2 / 10MHz

Lowest Channel / QPSK



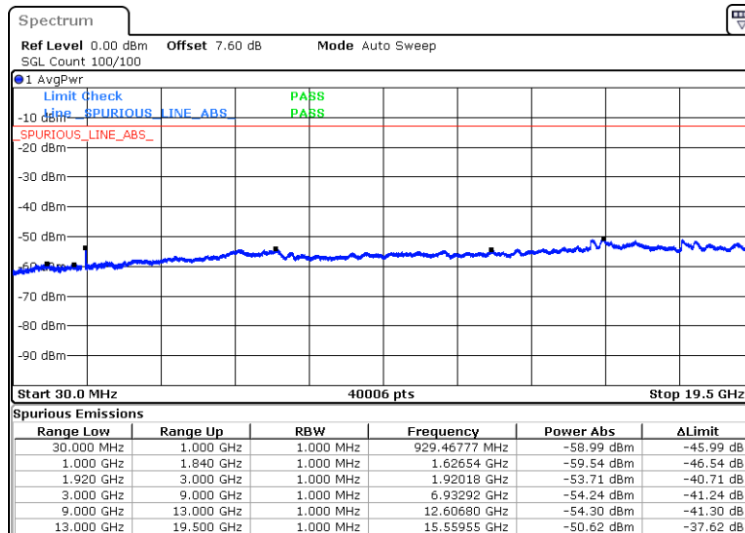
Date: 6.AUG.2026 16:43:17

Middle Channel / QPSK



Date: 6.AUG.2026 16:44:39

Highest Channel / QPSK

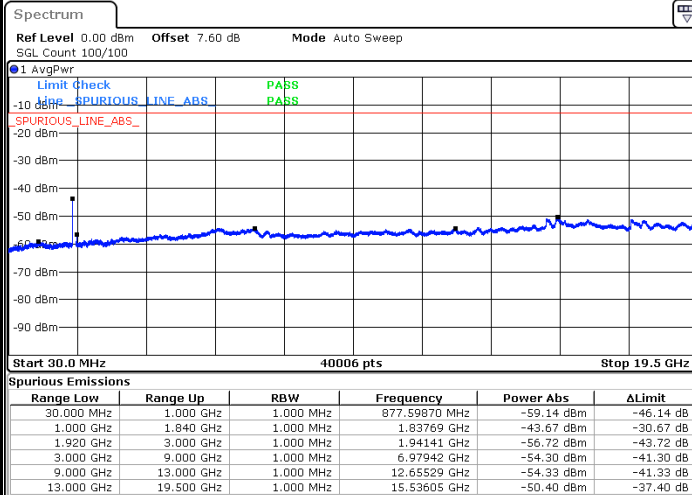


Date: 6.AUG.2026 16:46:02



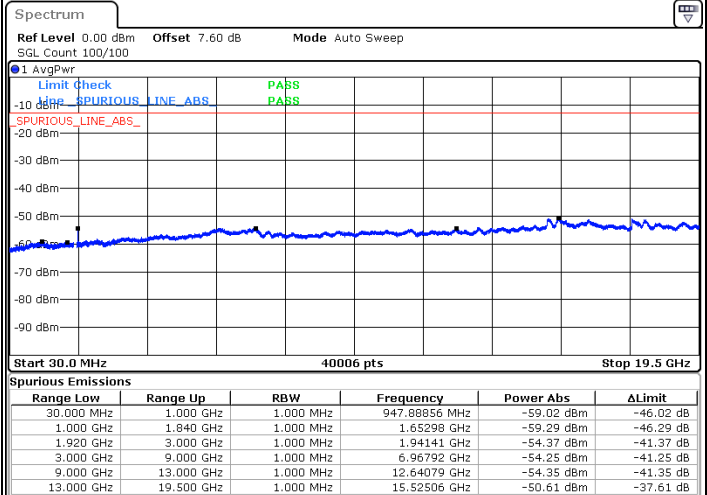
LTE Band 2 / 15MHz

Lowest Channel / QPSK



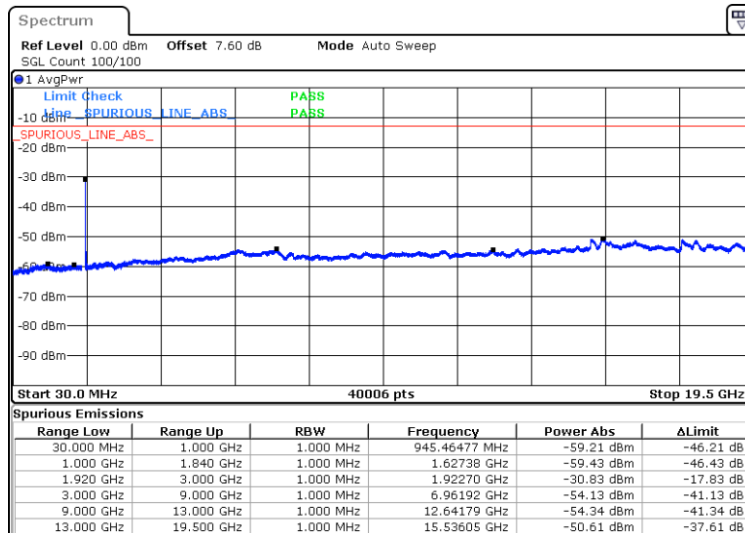
Date: 6.AUG.2026 16:47:25

Middle Channel / QPSK



Date: 6.AUG.2026 16:48:48

Highest Channel / QPSK

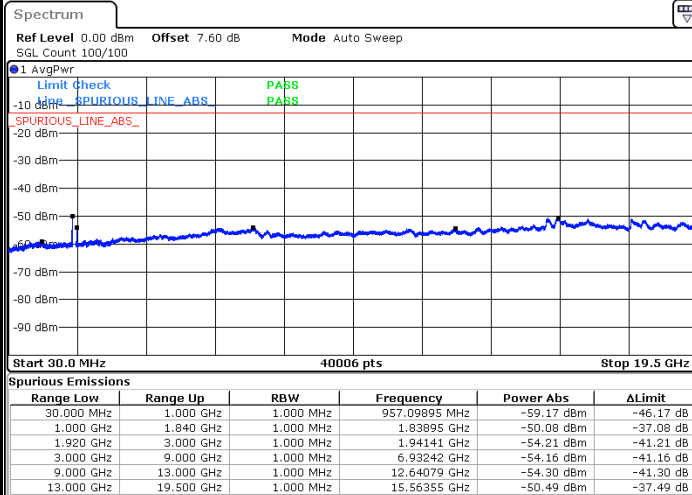


Date: 6.AUG.2026 16:50:10



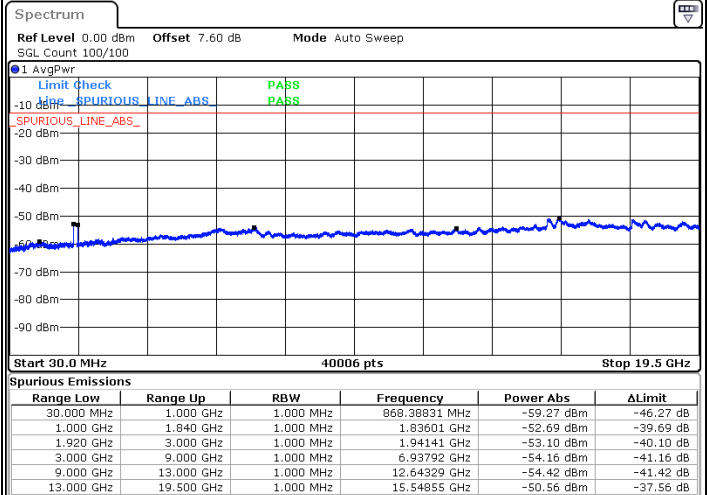
LTE Band 2 / 20MHz

Lowest Channel / QPSK



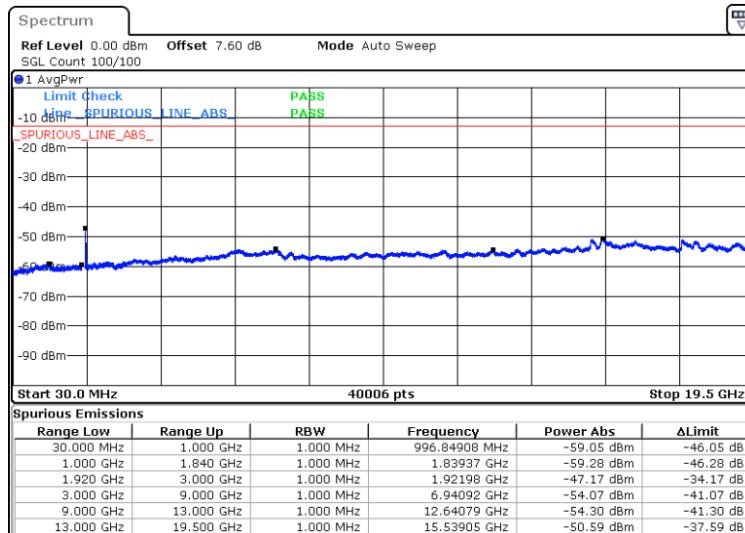
Date: 6.AUG.2026 16:51:34

Middle Channel / QPSK



Date: 6.AUG.2026 16:52:56

Highest Channel / QPSK



Date: 6.AUG.2026 16:54:19

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel / BandWidth 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0046	12	Yes	PASS
40	Normal Voltage	0.0041	1.9	Yes	
30	Normal Voltage	0.0025	-0.2	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0016	4.1	Yes	
0	Normal Voltage	0.0007	-4.4	Yes	
-10	Normal Voltage	0.0056	4.1	Yes	
-20	Normal Voltage	0.0068	1	Yes	
-30	Normal Voltage	0.0054	-0.7	Yes	
20	Maximum Voltage	0.0012	-3.6	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0005	-0.9	Yes	

Note:

1. Normal Voltage = 9 V. ; Minimum Voltage = 8.4 V. ; Maximum Voltage = 9.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

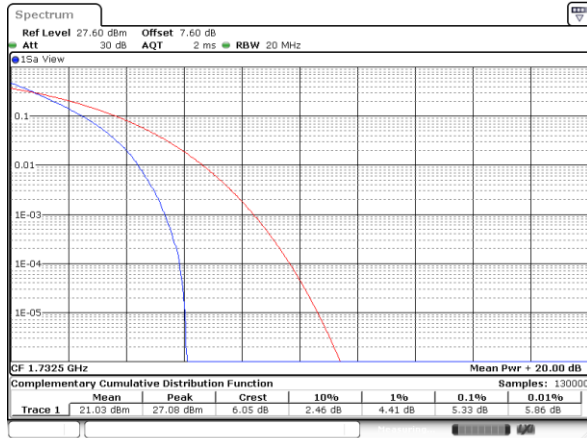
**LTE Band 4****Peak-to-Average Ratio**

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.20	6.52	-	PASS



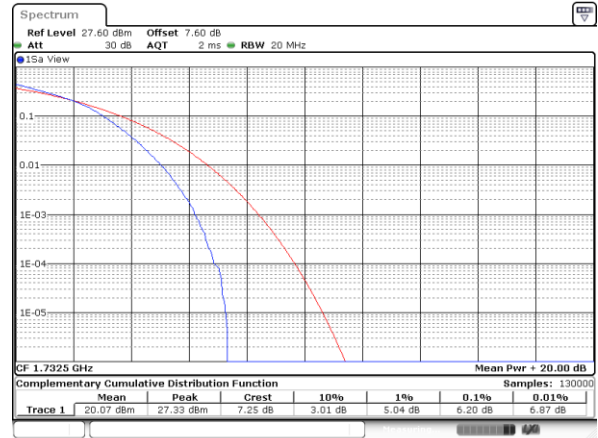
LTE Band 4 / 20MHz / QPSK

Middle Channel / Full RB



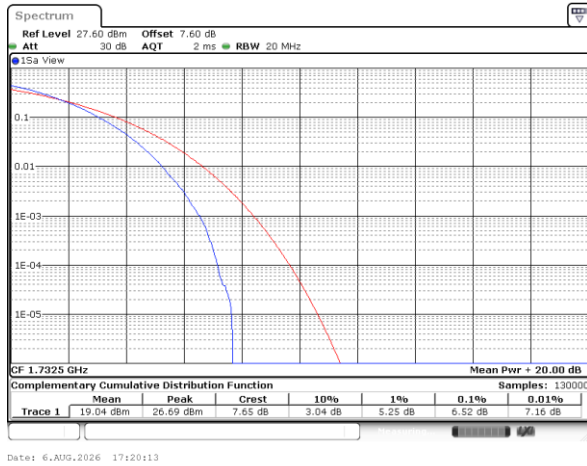
LTE Band 4 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 4 / 20MHz / 64QAM

Middle Channel / Full RB



NA

NA

NA



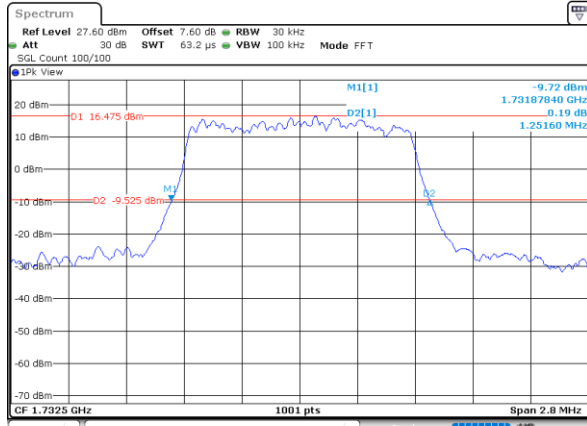
26dB Bandwidth

Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.27	2.95	2.98	4.83	4.77	9.74	9.76	14.37	14.46	19.16	19.00

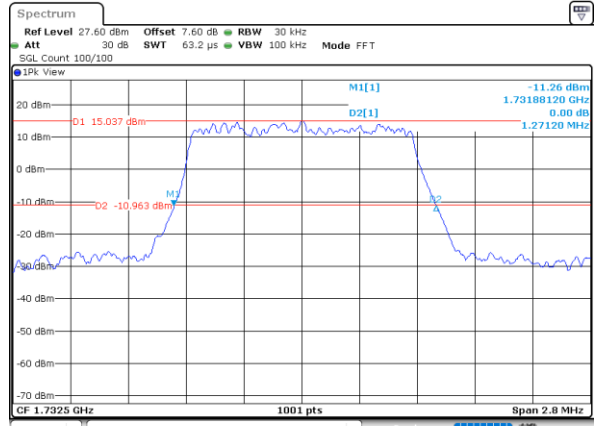


LTE Band 4

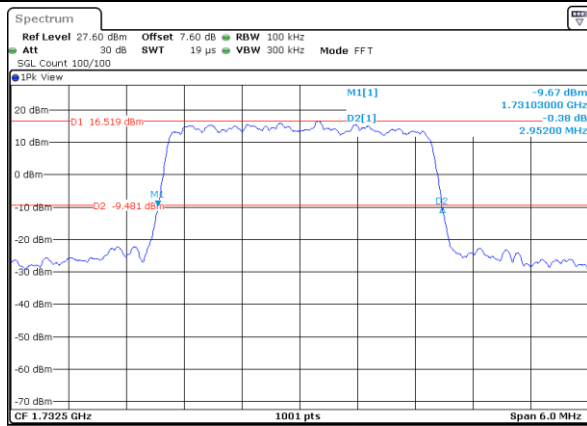
Middle Channel / 1.4MHz / QPSK



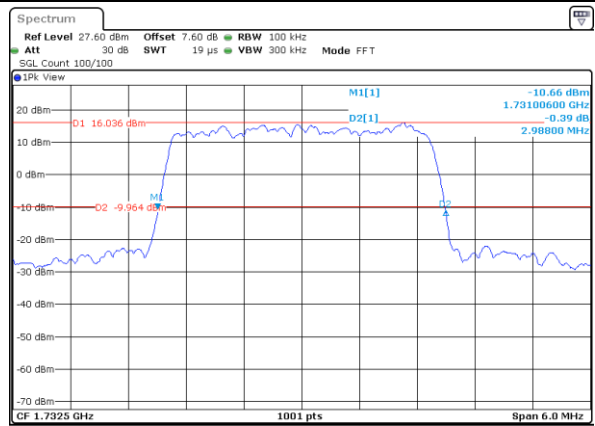
Middle Channel / 1.4MHz / 16QAM



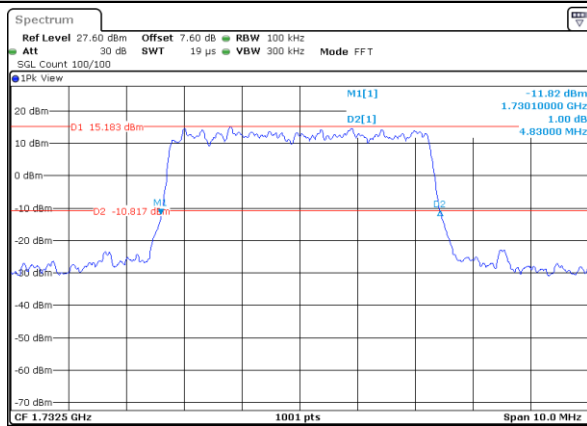
Middle Channel / 3MHz / QPSK



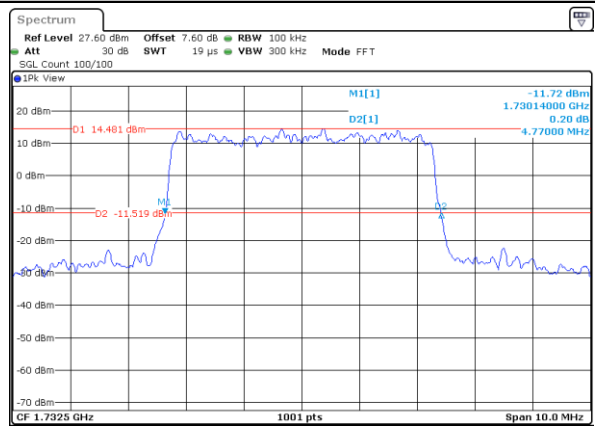
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



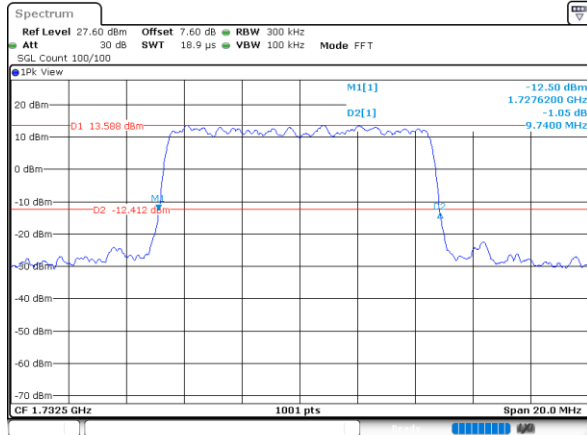
Middle Channel / 5MHz / 16QAM



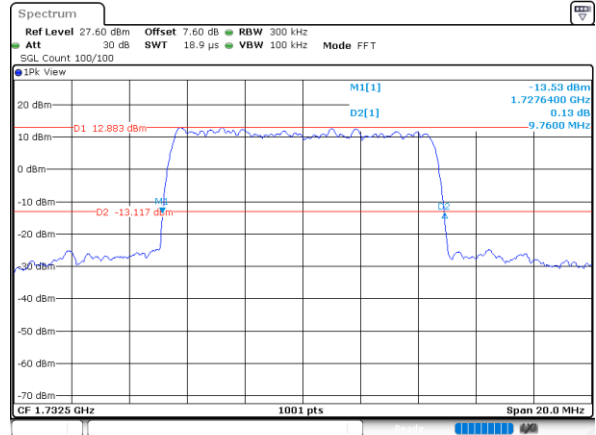


LTE Band 4

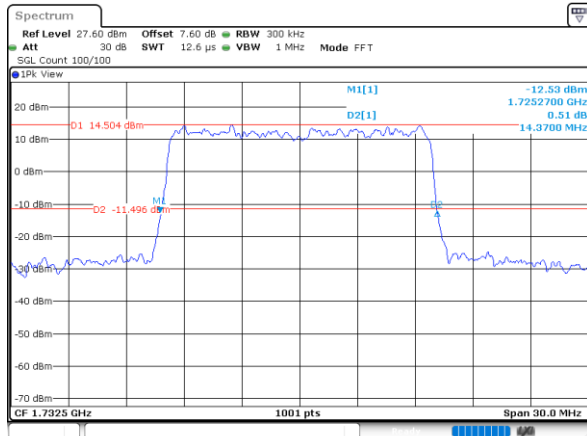
Middle Channel / 10MHz / QPSK



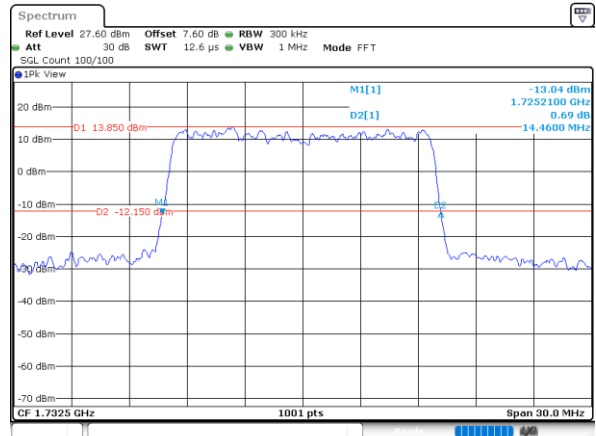
Middle Channel / 10MHz / 16QAM



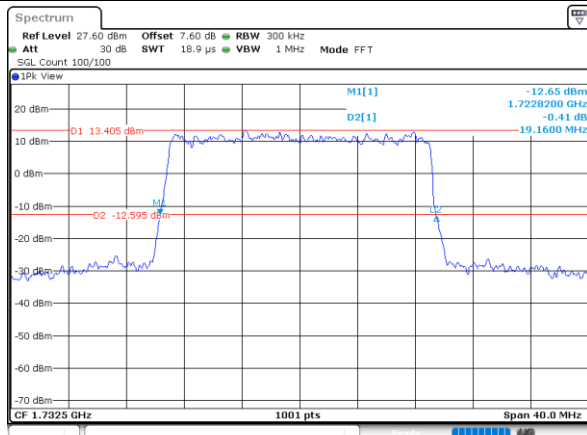
Middle Channel / 15MHz / QPSK



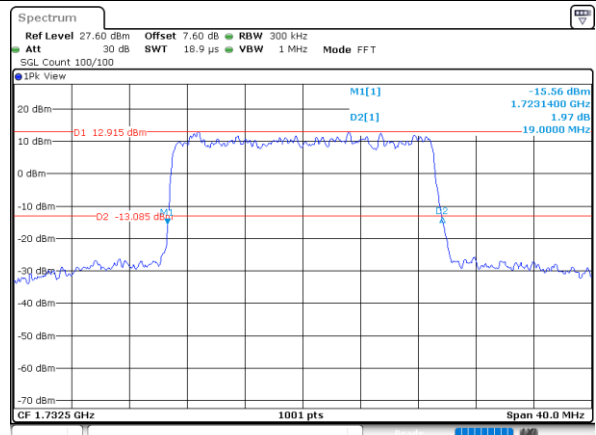
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





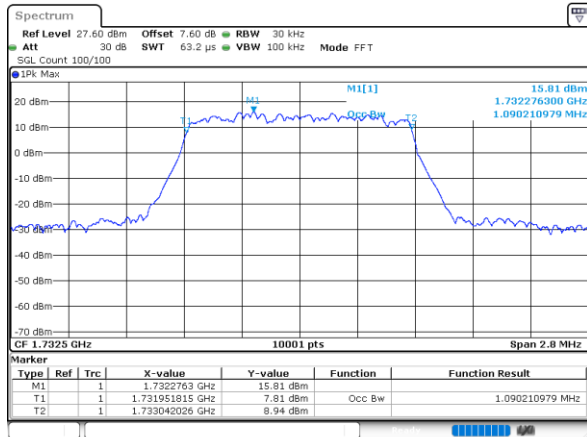
Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.08	2.70	2.69	4.48	4.47	9.10	9.05	13.50	13.47	17.86	17.82

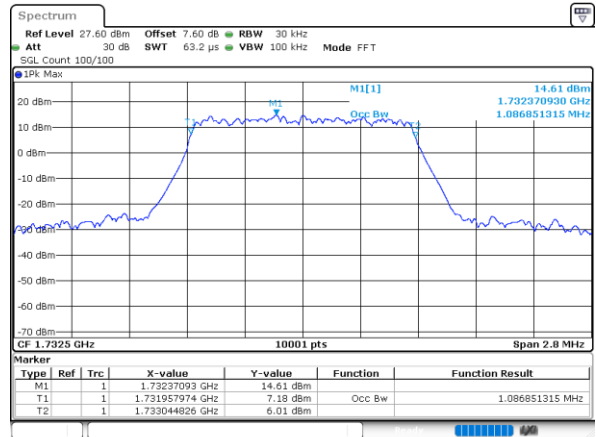


LTE Band 4

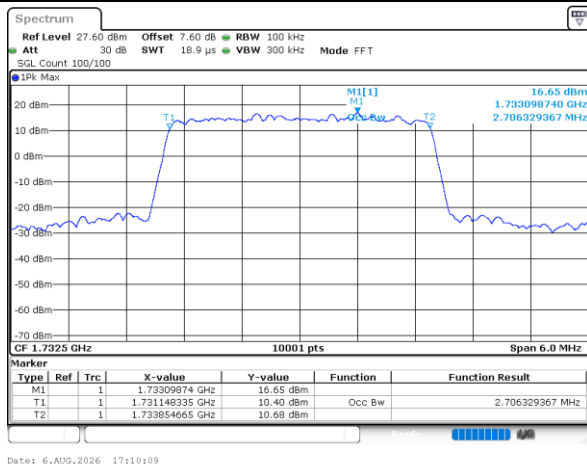
Middle Channel / 1.4MHz / QPSK



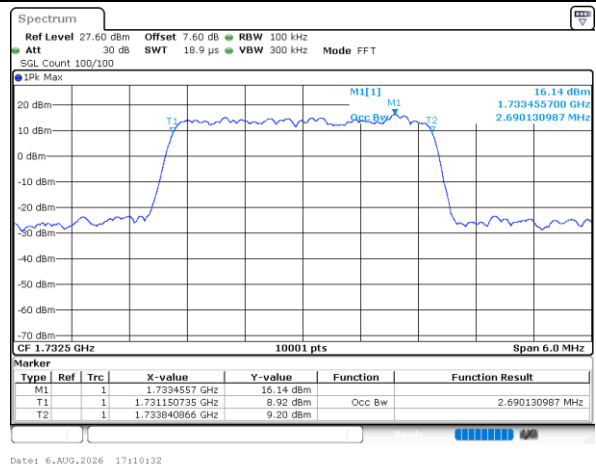
Middle Channel / 1.4MHz / 16QAM



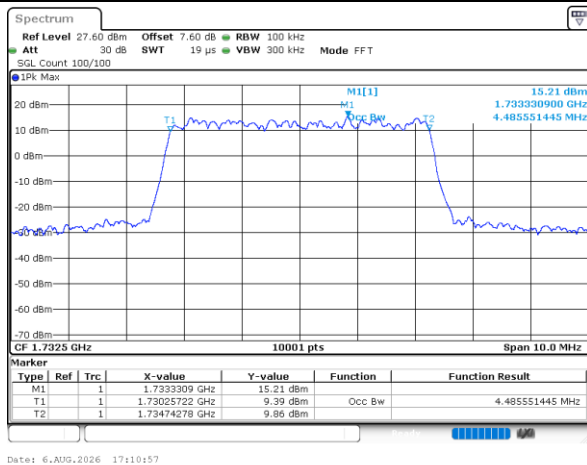
Middle Channel / 3MHz / QPSK



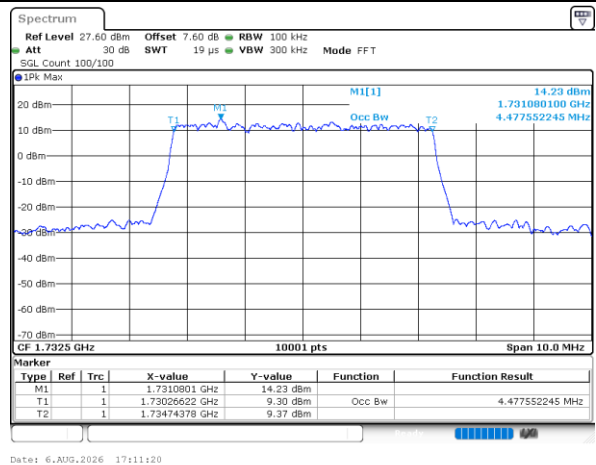
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



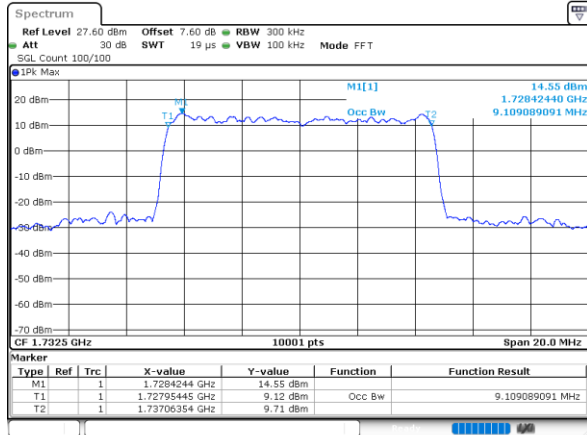
Middle Channel / 5MHz / 16QAM





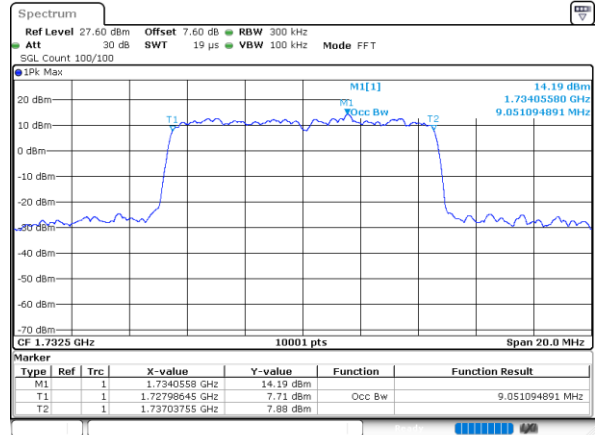
LTE Band 4

Middle Channel / 10MHz / QPSK



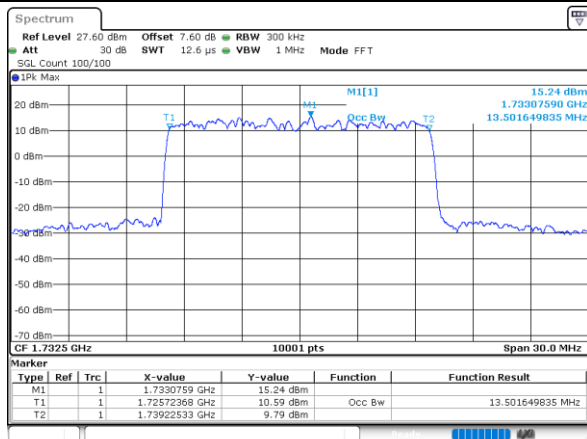
Date: 6.AUG.2026 17:11:45

Middle Channel / 10MHz / 16QAM



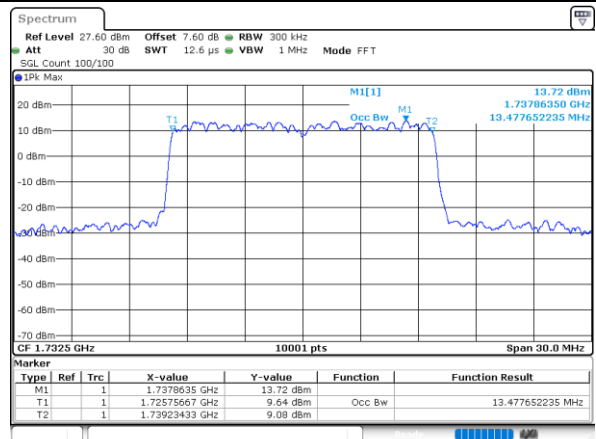
Date: 6.AUG.2026 17:12:08

Middle Channel / 15MHz / QPSK



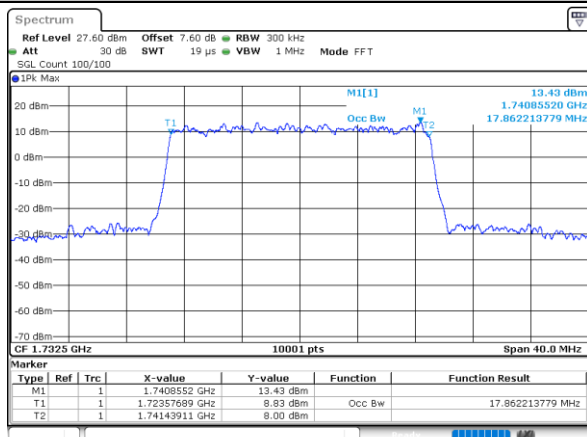
Date: 6.AUG.2026 17:12:33

Middle Channel / 15MHz / 16QAM



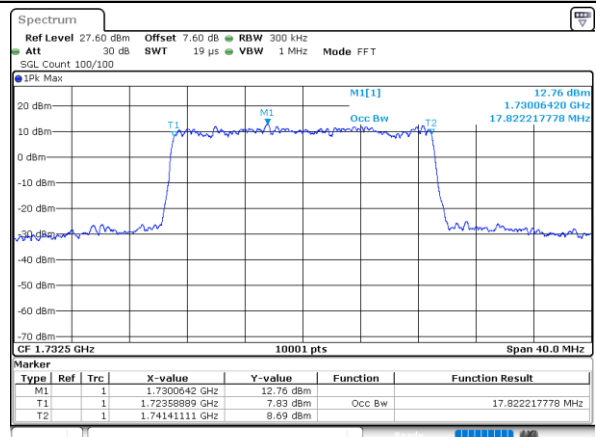
Date: 6.AUG.2026 17:12:56

Middle Channel / 20MHz / QPSK



Date: 6.AUG.2026 17:13:20

Middle Channel / 20MHz / 16QAM



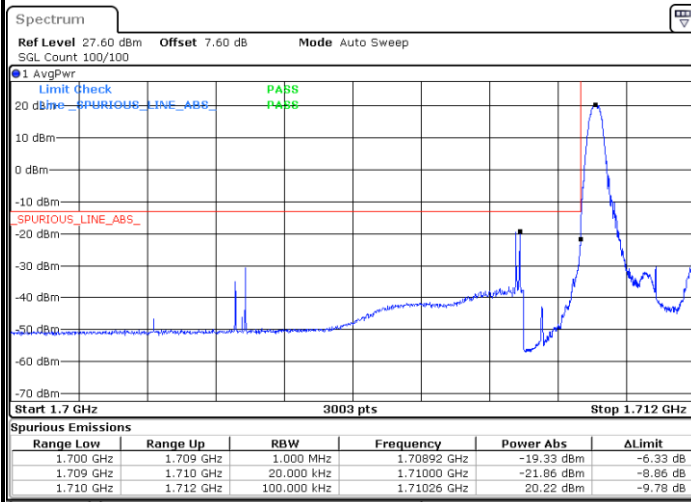
Date: 6.AUG.2026 17:13:44



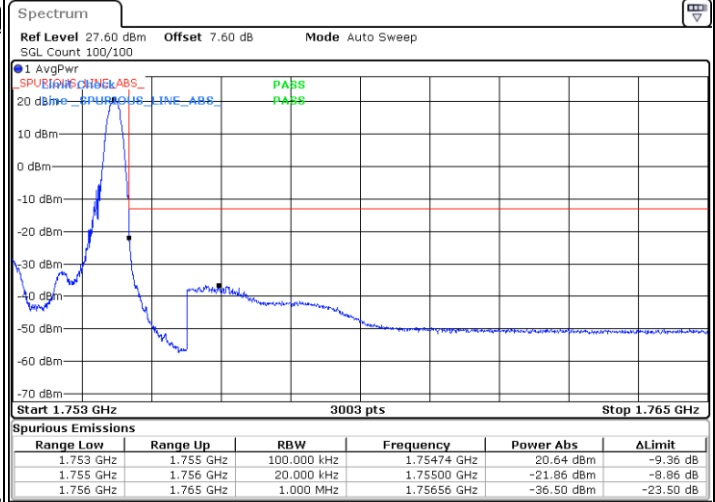
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

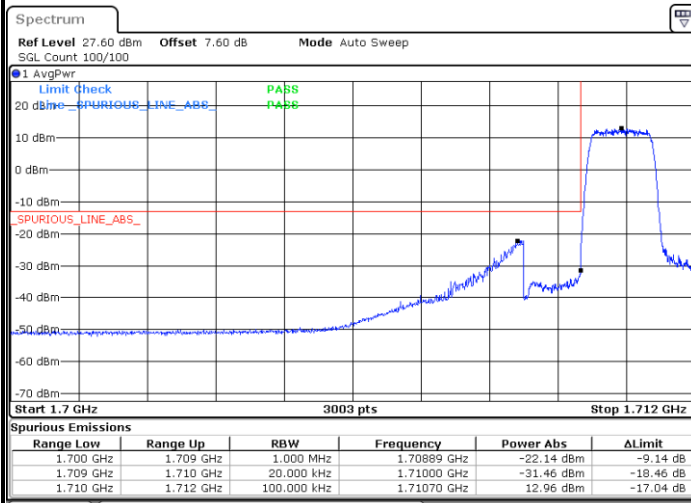
Lowest Band Edge / 1RB



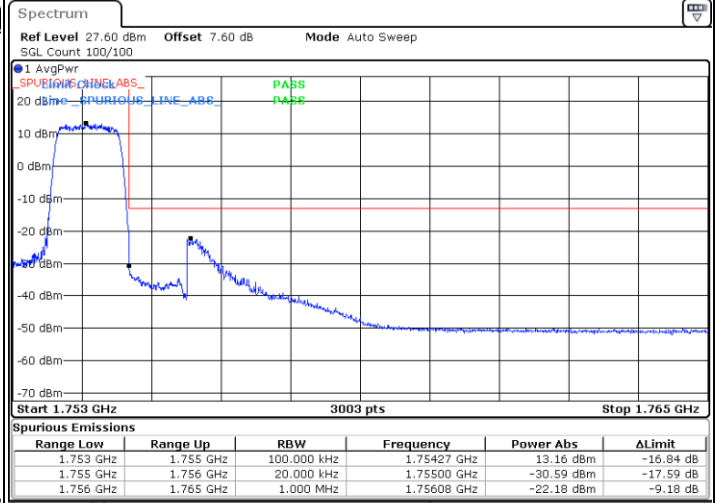
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



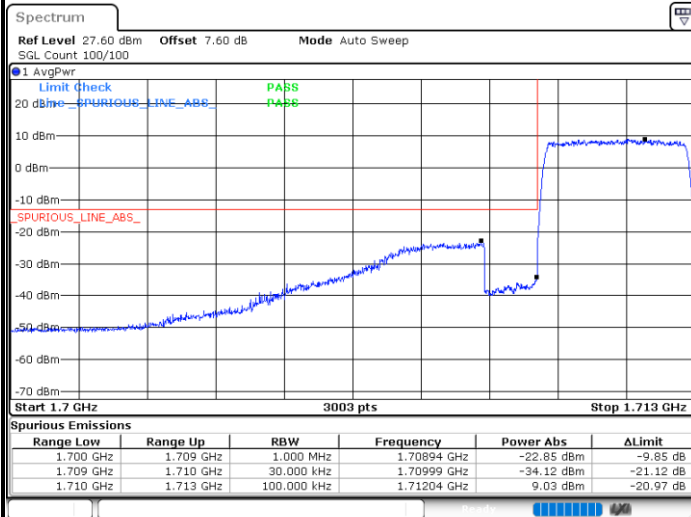
Highest Band Edge / Full RB



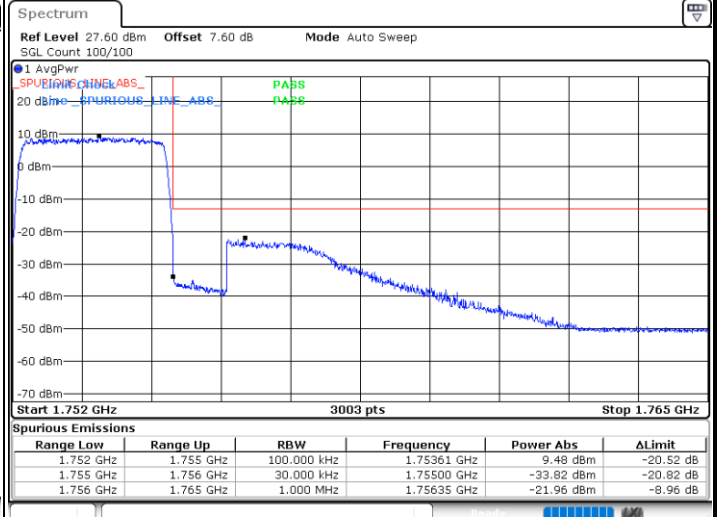


LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / Full RB

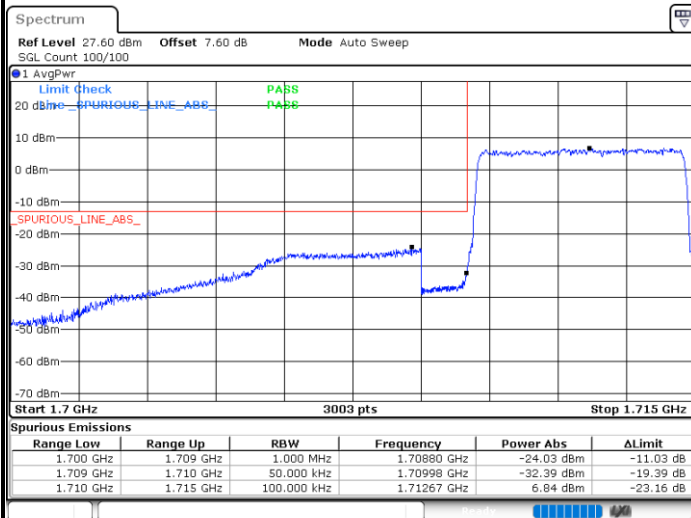


Highest Band Edge / Full RB

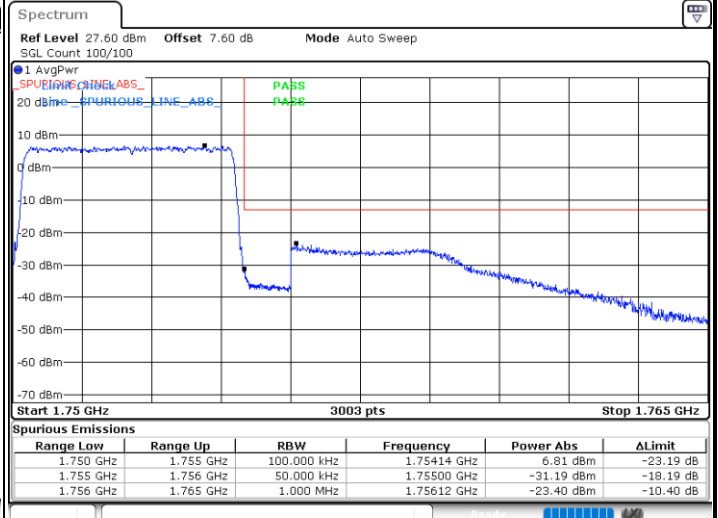


LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / Full RB



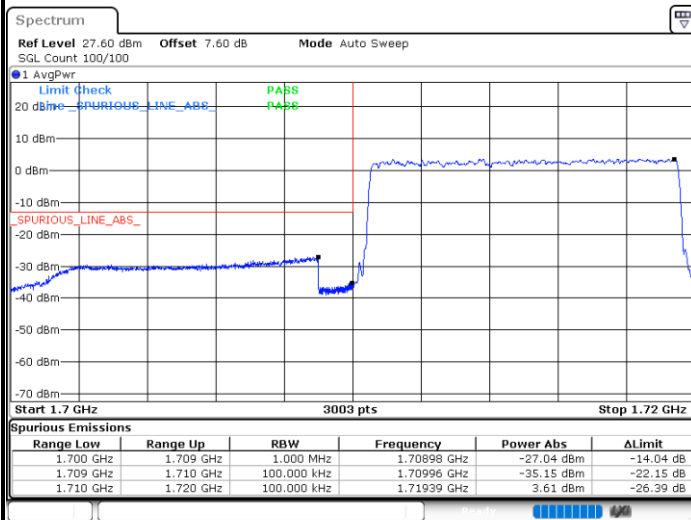
Highest Band Edge / Full RB



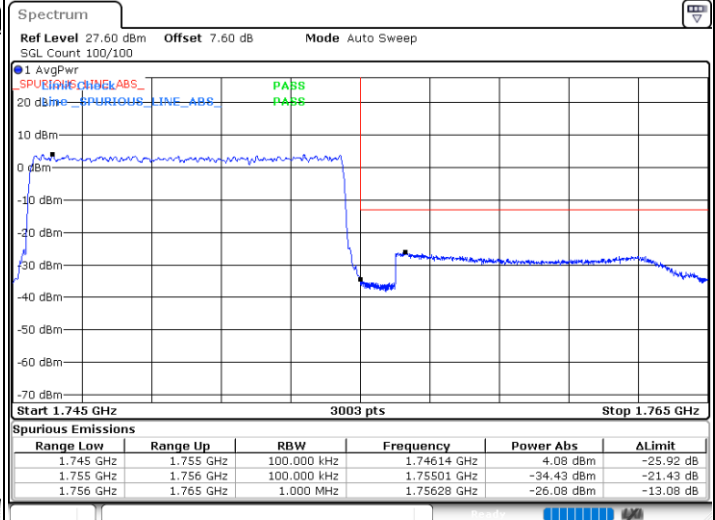


LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / Full RB

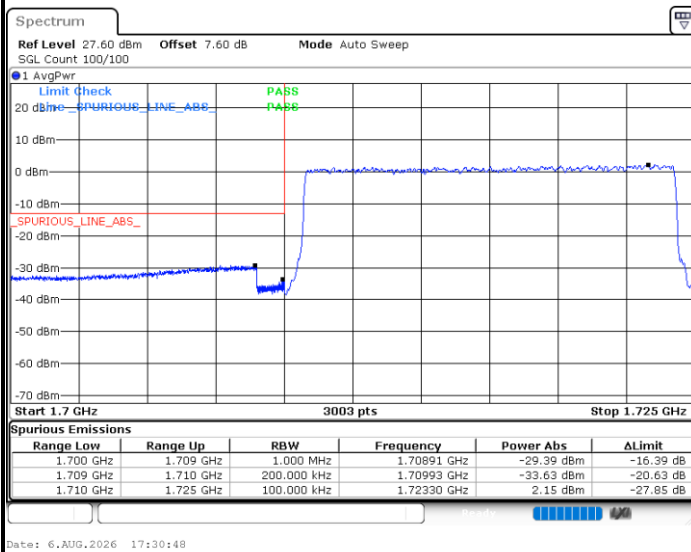


Highest Band Edge / Full RB

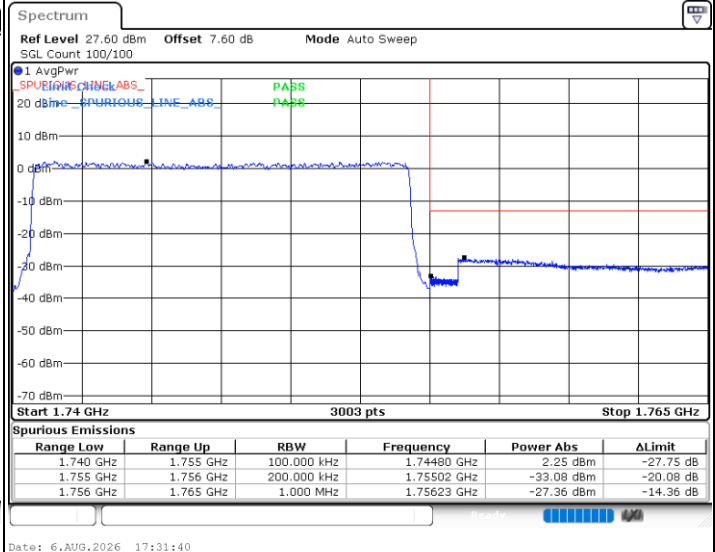


LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

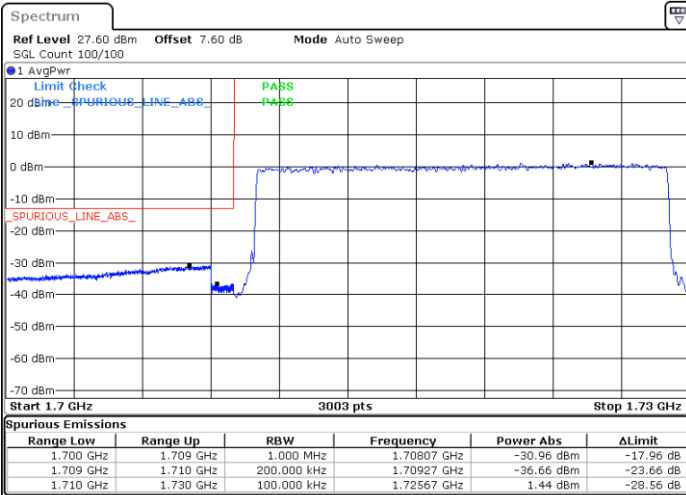




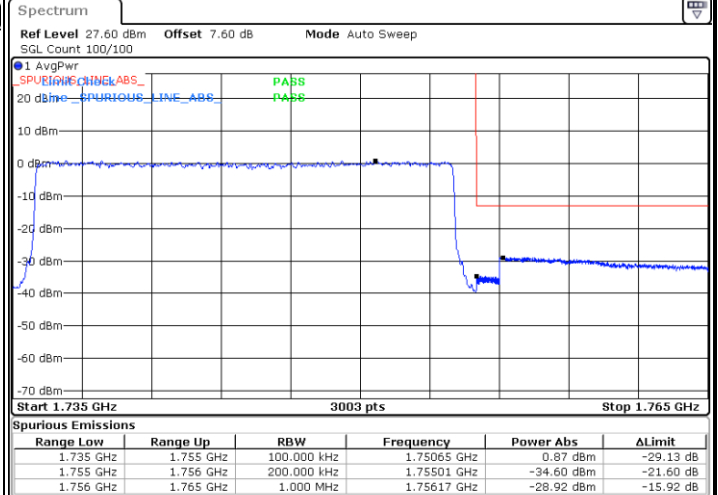
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.AUG.2026 17:32:33



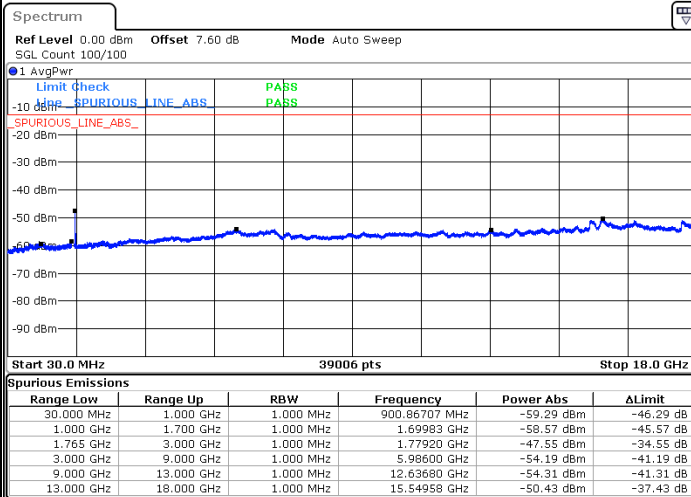
Date: 6.AUG.2026 17:33:26



Conducted Spurious Emission

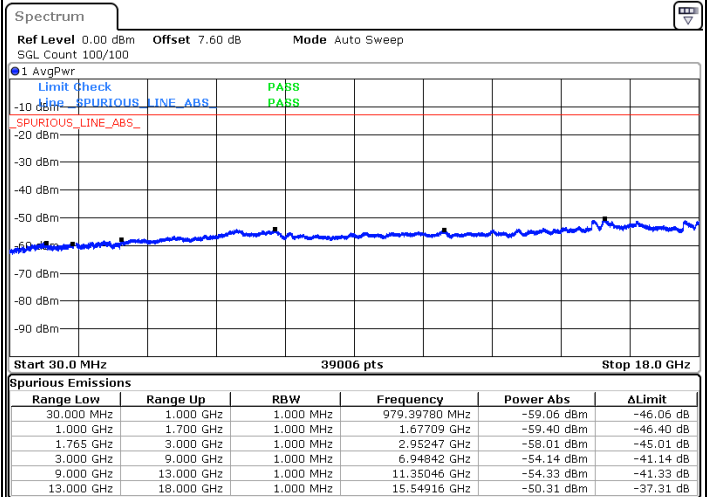
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



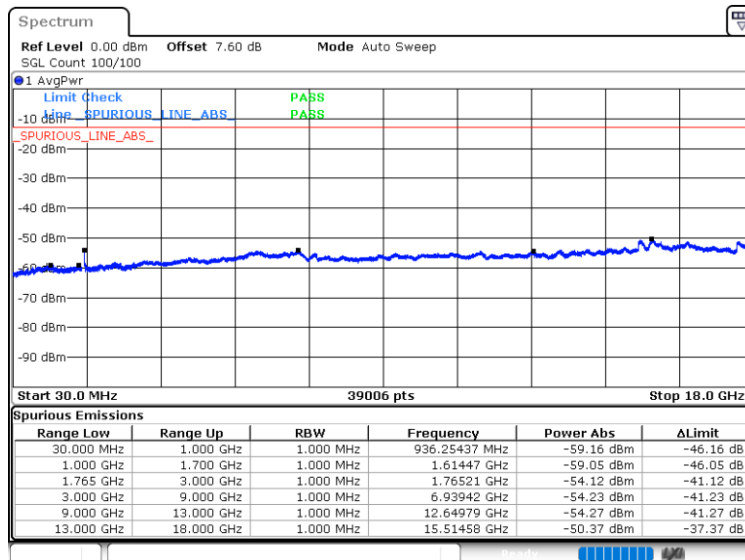
Date: 6.AUG.2026 17:34:49

Middle Channel / QPSK



Date: 6.AUG.2026 17:36:11

Highest Channel / QPSK

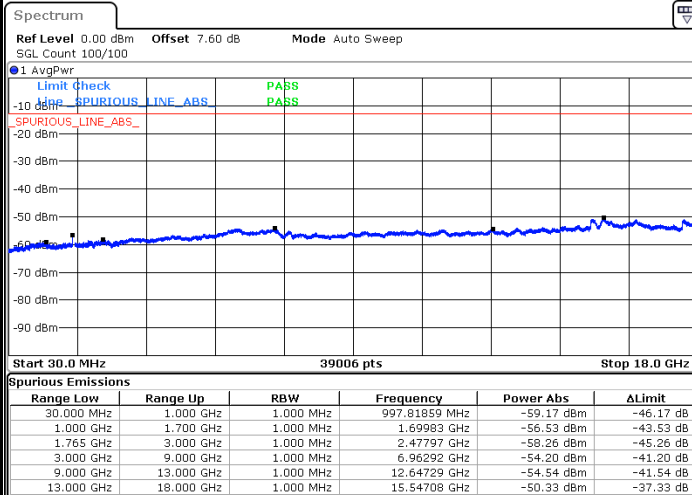


Date: 6.AUG.2026 17:37:34



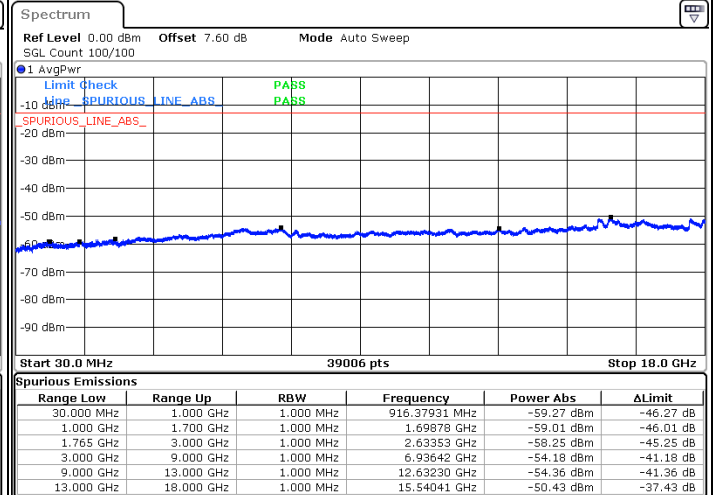
LTE Band 4 / 3MHz

Lowest Channel / QPSK



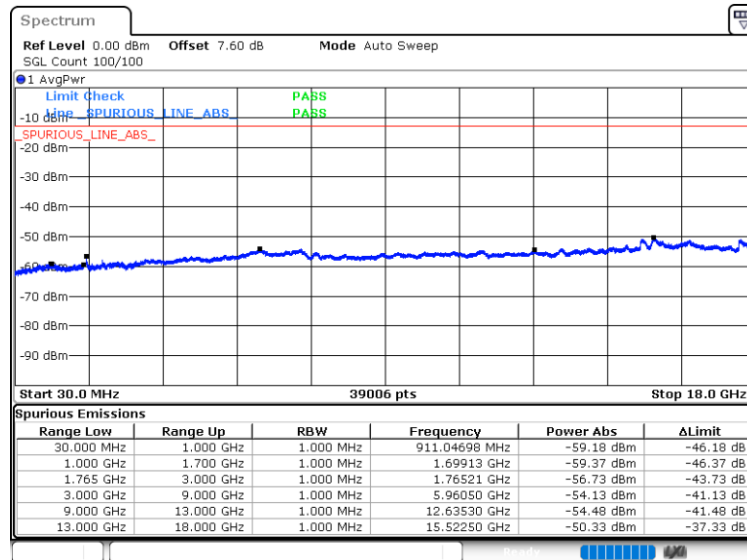
Date: 6.AUG.2026 17:38:57

Middle Channel / QPSK



Date: 6.AUG.2026 17:40:19

Highest Channel / QPSK

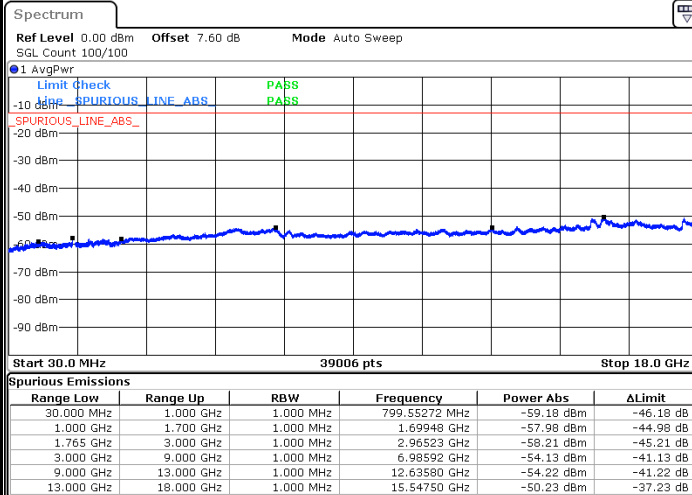


Date: 6.AUG.2026 17:41:42



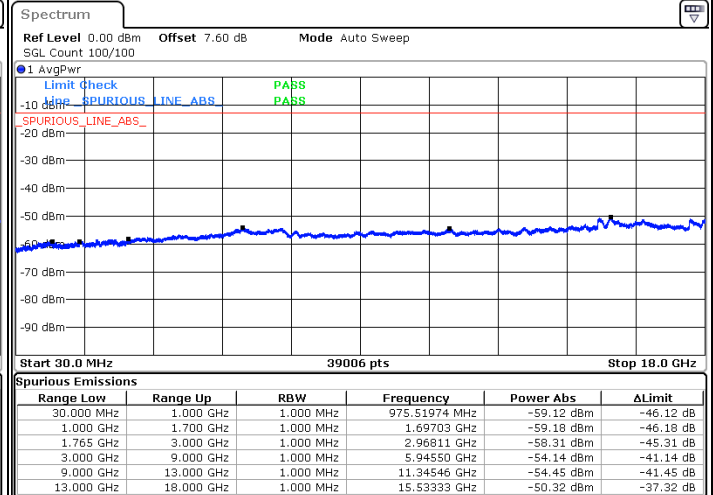
LTE Band 4 / 5MHz

Lowest Channel / QPSK



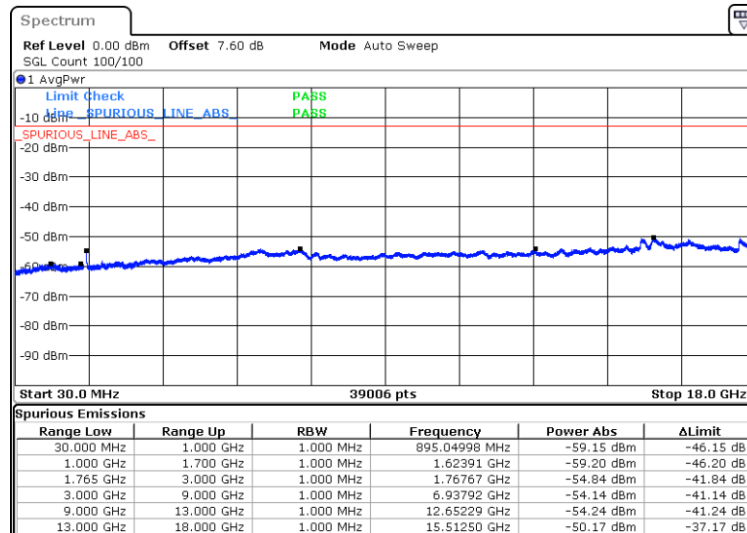
Date: 6.AUG.2026 17:43:05

Middle Channel / QPSK



Date: 6.AUG.2026 17:44:28

Highest Channel / QPSK

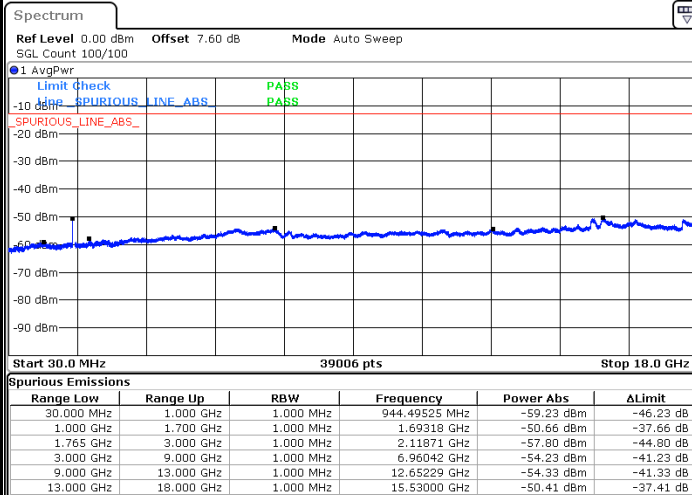


Date: 6.AUG.2026 17:45:50



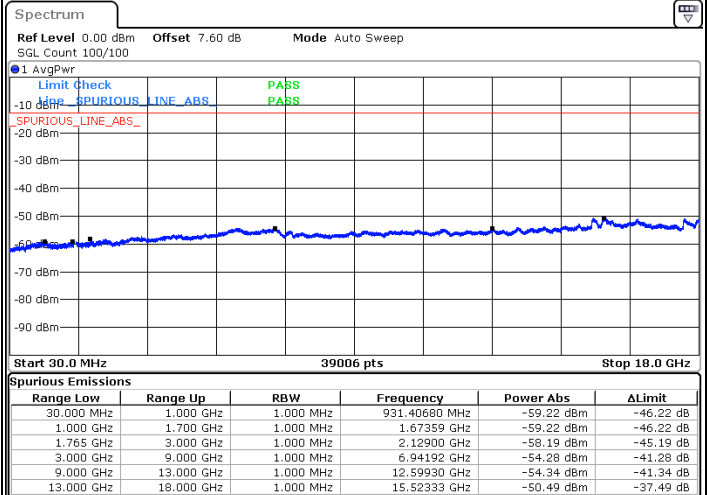
LTE Band 4 / 10MHz

Lowest Channel / QPSK



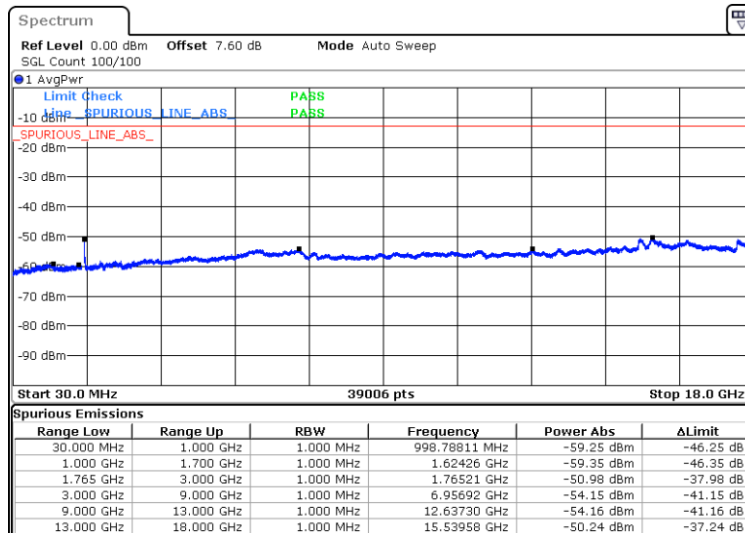
Date: 6.AUG.2026 17:47:13

Middle Channel / QPSK



Date: 6.AUG.2026 17:48:36

Highest Channel / QPSK



Date: 6.AUG.2026 17:49:58