



FCC RADIO TEST REPORT

FCC ID : A4RG7SWN
Equipment : Phone
Model Name : G7SWN
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : FCC 47 CFR Part 2, Part 90(R), Part 90(S)

The product was received on Nov. 18, 2025 and testing was performed from Nov. 18, 2025 to May 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 given in ANSI 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.

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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Appendix A Conducted Test Result Page No. Information								
LTE Band	Appendix	PAR	26dB BW	OBW	CBE	Mask	CSE	FS
14	A14	A14-1	A14-3	A14-4	A14-5	A14-7	A14-11	A14-13
26_90S	A26B	A26B-1	A26B-5	A26B-7	N/A	A26B-9	A26B-13	A26B-18
26_90S Straddle	A26C	A26C-1	A26C-5	A26C-7	N/A	N/A	A26C-9	A26C-11



History of this test report

Report No.	Version	Description	Issue Date
FG5N0815-01M	01	Initial issue of report	Apr. 22, 2026
FG5N0815-01M	02	Add PAR Full Bandwidth test data	May 29, 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 26)	Pass	
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
3.3	-	Peak-to-Average Ratio	Reporting only	-
3.4	§2.1049	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a)	Conducted Band Edge Measurement (Band 26)	Pass	-
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (Band 14)		
3.6	§2.1051 §90.210 (n)	Emission Mask (Band 14)	Pass	-
	§2.1051 §90.691	Emission masks (Band 26)		
3.7	§2.1051 §22.917 (a) §90.691	Conducted Spurious Emission (Band 26)	Pass	-
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (Band 14)		
3.8	§2.1055 §22.355 §90.539 (e) §90.691	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §22.917 (a) §90.691	Radiated Spurious Emission (Band 26)	Pass	-
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		

Conformity Assessment Condition:

- 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.
- 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: William Chen**Report Producer: Aya Yang**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR/NTN , Bluetooth, BLE, BLE channel sounding, Wi-Fi 802.11ax, NFC, WPC Rx and GNSS Rx.
Antenna Type WWAN: <Ant. 0>: ILA Antenna <Ant. 1>: ILA Antenna

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

EUT Information List	
S/N	Performed Test Item
5B041FDDW0000V	Conducted Measurement ERP/EIRP
5B111FDDQ0000B	Radiated Spurious Emission

Support band and evaluated information	
Supported band	B14, B26
Evaluated and Tested band	B14, B26

Antenna information						
Band	Ant0	Ant1			Main Ant. #	Sub Ant. #
B14	-4	-6.3			0	1
B26	-4.7	-6.3			0	1

Remark:

1. For Test Items, Main Ant. means Tx0 and Sub Ant. means Tx1.
2. After preliminary scan, the main antenna Ant 0 for Low band and main antenna Ant 2 for Mid/high band are selected as the worst mode to be reported for conducted test.

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	03CH20-HY
Test Engineer	Yuki Chen	John Chuang, David Dai and Sam Chou
Temperature (°C)	22.3~22.9	18.3~22.8
Relative Humidity (%)	53.2~55.5	63.7~71.1

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, Part 90(R), 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 three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find worst plane as below.

Plane	Main Antenna	Sub Antenna
B14	Z with adapter	Y with adapter
B26 (90S)	Z with adapter	Y with adapter

Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

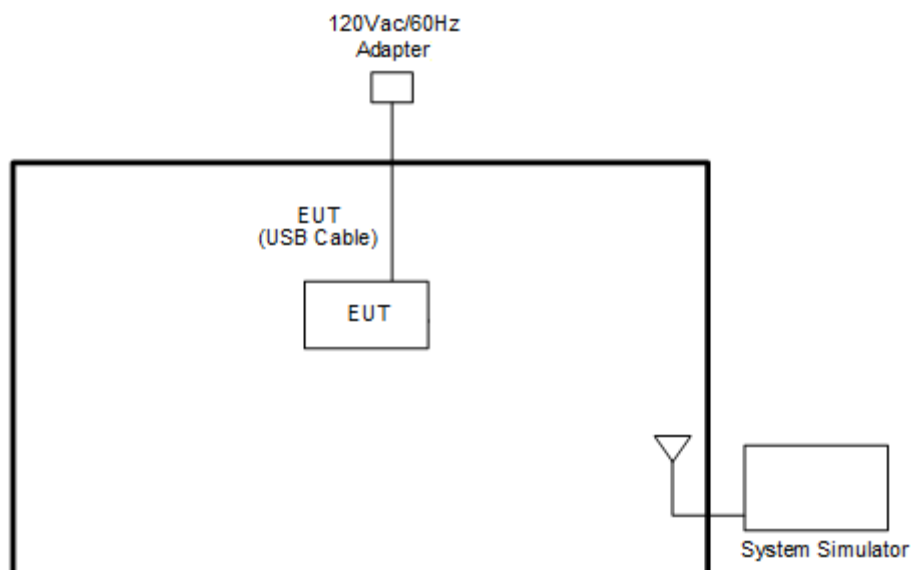
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D	All	1, Half, Full	L, M, H
EIRP	A, B, C, D	All	1, Half, Full	L, M, H
PAR	A, B, C, D	All	Full	M
Bandwidth	A, B, C, D	All	Full	M
CBE, Mask (Part 90)	A, B, C, D	Minimum	1RB	L, M, H
		All	Full	
CSE	A	Minimum	1RB	L, M, H
Frequency Stability	A	10MHz/15MHz (B26)	Full	L, M
		10 MHz or less (other)		
RSE	A	5MHz/15MHz (B26)	1RB	L, M, H
		10 MHz or less (other)		

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. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adapter mode is the worst case for the official test.

2.2 Connection Diagram of Test System

<EUT with Adapter>



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.	AC Adapter	N/A	GW8L7	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 and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

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

Offset = RF cable loss + attenuator factor.

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

Example :

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



2.5 Frequency List of Low/Middle/High Channels

LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5

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	-

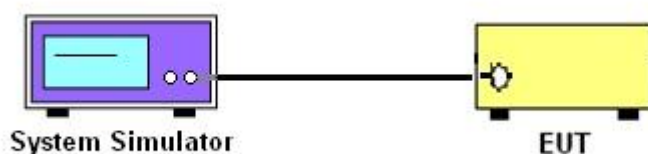
3 Conducted Test Items

3.1 Measuring Instruments

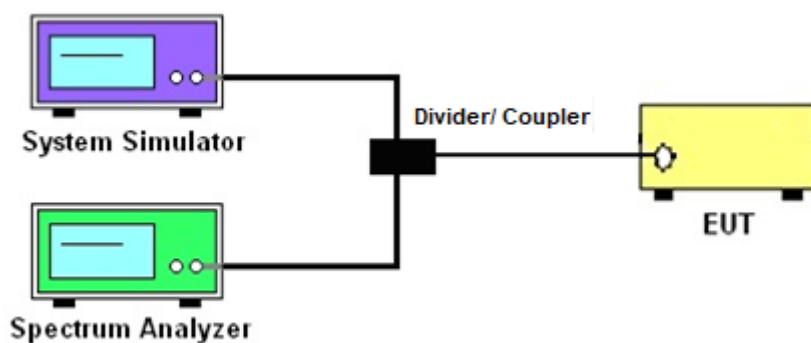
See list of measuring instruments of this test report.

3.1.1 Test Setup

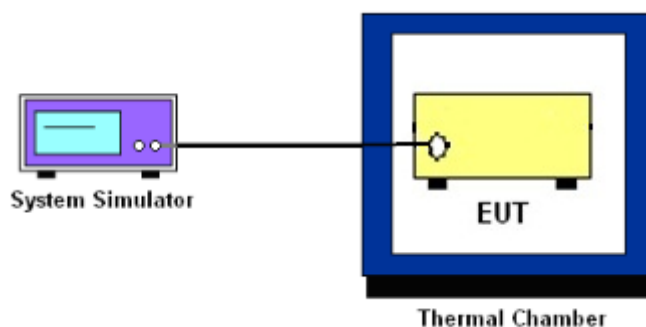
3.1.2 Conducted Output Power



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

3.2.1 Description of the Conducted Output Power Measurement and ERP 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 26 (Part 22H)

The conducted 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 14

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.

3.2.3 Test Result of the Conducted Output Power and ERP/EIRP Measurement

<LTE B14 TX0 ANT2>

LTE Band 14 Maximum Average Power [dBm] (GT - LC = -4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.60	-	18.45	0.0700
10	1	25		-	24.52	-		
10	1	49		-	24.45	-		
10	25	0		-	23.56	-		
10	25	12		-	23.48	-		
10	25	25		-	23.49	-		
10	50	0		-	23.49	-		
10	1	0	16-QAM	-	23.74	-	17.59	0.0574
10	1	25		-	23.72	-		
10	1	49		-	23.58	-		
10	1	0	64-QAM	-	22.66	-	16.51	0.0448
10	1	25		-	22.64	-		
10	1	49		-	22.60	-		
10	1	0	256-QAM	-	19.57	-	13.43	0.0220
10	1	25		-	19.58	-		
10	1	49		-	19.47	-		
5	1	0	QPSK	24.52	24.59	24.57	18.44	0.0698
5	1	12		24.53	24.52	24.49		
5	1	24		24.56	24.52	24.39		
5	12	0		23.47	23.48	23.44		
5	12	7		23.38	23.37	23.37		
5	12	13		23.42	23.41	23.41		
5	25	0		23.53	23.49	23.46		
5	1	0	16-QAM	23.69	23.81	23.76	17.66	0.0583
5	1	12		23.64	23.69	23.69		
5	1	24		23.76	23.77	23.59		
5	1	0	64-QAM	22.68	22.73	22.74	16.59	0.0456
5	1	12		22.69	22.62	22.60		
5	1	24		22.65	22.66	22.52		
5	1	0	256-QAM	19.55	19.66	19.60	13.51	0.0224
5	1	12		19.58	19.53	19.47		
5	1	24		19.57	19.49	19.44		
Limit	ERP < 3W			Result			Pass	



<LTE B14 TX1 ANT0>

LTE Band 14 Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.09	-	15.64	0.0366
10	1	25		-	24.04	-		
10	1	49		-	24.05	-		
10	25	0		-	23.09	-		
10	25	12		-	23.03	-		
10	25	25		-	23.06	-		
10	50	0		-	23.03	-		
10	1	0	16-QAM	-	23.34	-	14.89	0.0308
10	1	25		-	23.31	-		
10	1	49		-	23.21	-		
10	1	0	64-QAM	-	22.18	-	13.73	0.0236
10	1	25		-	22.18	-		
10	1	49		-	22.15	-		
10	1	0	256-QAM	-	19.05	-	10.60	0.0115
10	1	25		-	19.04	-		
10	1	49		-	19.02	-		
5	1	0	QPSK	24.01	24.06	24.05	15.62	0.0365
5	1	12		24.03	24.00	24.07		
5	1	24		24.04	24.06	24.05		
5	12	0		23.00	22.96	23.01		
5	12	7		22.89	22.86	22.96		
5	12	13		22.92	22.97	22.99		
5	25	0		22.99	23.01	23.06		
5	1	0	16-QAM	23.24	23.28	23.32	14.97	0.0314
5	1	12		23.17	23.15	23.30		
5	1	24		23.30	23.42	23.25		
5	1	0	64-QAM	22.18	22.18	22.18	13.80	0.0240
5	1	12		22.20	22.14	22.21		
5	1	24		22.15	22.25	22.17		
5	1	0	256-QAM	19.03	19.13	19.07	10.68	0.0117
5	1	12		18.99	19.05	19.09		
5	1	24		19.09	19.04	19.02		
Limit	ERP < 3W			Result			Pass	



<LTE B26 TX0 ANT0>

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.42	-	-	17.57	0.0571
15	1	37		24.30	-	-		
15	1	74		24.38	-	-		
15	36	0		23.25	-	-		
15	36	20		23.17	-	-		
15	36	39		23.22	-	-		
15	75	0		23.23	-	-		
15	1	0	16-QAM	23.61	-	-	16.76	0.0474
15	1	37		23.53	-	-		
15	1	74		23.58	-	-		
15	1	0	64-QAM	22.50	-	-	15.65	0.0367
15	1	37		22.35	-	-		
15	1	74		22.44	-	-		
15	1	0	256-QAM	19.57	-	-	12.72	0.0187
15	1	37		19.35	-	-		
15	1	74		19.53	-	-		
10	1	0	QPSK	-	24.41	-	17.56	0.0570
10	1	25		-	24.33	-		
10	1	49		-	24.32	-		
10	25	0		-	23.34	-		
10	25	12		-	23.28	-		
10	25	25		-	23.28	-		
10	50	0		-	23.26	-		
10	1	0	16-QAM	-	23.61	-	16.76	0.0474
10	1	25		-	23.57	-		
10	1	49		-	23.51	-		
10	1	0	64-QAM	-	22.48	-	15.63	0.0366
10	1	25		-	22.45	-		
10	1	49		-	22.40	-		
10	1	0	256-QAM	-	19.45	-	12.60	0.0182
10	1	25		-	19.45	-		
10	1	49		-	19.41	-		
Limit	ERP < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.36	24.35	24.28	17.60	0.0575
5	1	12		24.35	24.28	24.45		
5	1	24		24.33	24.39	24.38		
5	12	0		23.33	23.43	23.35		
5	12	7		23.26	23.18	23.35		
5	12	13		23.28	23.30	23.36		
5	25	0		23.37	23.34	23.33		
5	1	0	16-QAM	23.66	23.72	23.68	16.87	0.0486
5	1	12		23.51	23.51	23.56		
5	1	24		23.58	23.49	23.57		
5	1	0	64-QAM	22.57	22.47	22.56	15.73	0.0374
5	1	12		22.48	22.41	22.38		
5	1	24		22.48	22.41	22.58		
5	1	0	256-QAM	19.53	19.51	19.56	12.71	0.0187
5	1	12		19.46	19.43	19.51		
5	1	24		19.53	19.47	19.46		
3	1	0	QPSK	24.33	24.23	24.34	17.49	0.0561
3	1	8		24.25	24.28	24.28		
3	1	14		24.33	24.24	24.34		
3	8	0		23.32	23.31	23.25		
3	8	4		23.27	23.37	23.20		
3	8	7		23.28	23.26	23.22		
3	15	0		23.31	23.38	23.26		
3	1	0	16-QAM	23.56	23.52	23.61	16.80	0.0479
3	1	8		23.52	23.53	23.53		
3	1	14		23.62	23.63	23.65		
3	1	0	64-QAM	22.44	22.35	22.36	15.64	0.0366
3	1	8		22.39	22.49	22.46		
3	1	14		22.44	22.39	22.38		
3	1	0	256-QAM	19.55	19.45	19.51	12.70	0.0186
3	1	8		19.47	19.52	19.39		
3	1	14		19.44	19.50	19.47		
Limit	ERP < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.31	24.33	24.21	17.51	0.0564
1.4	1	3		24.29	24.34	24.24		
1.4	1	5		24.33	24.23	24.36		
1.4	3	0		24.25	24.31	24.32		
1.4	3	1		24.23	24.23	24.30		
1.4	3	3		24.28	24.23	24.26		
1.4	6	0		23.22	23.19	23.19		
1.4	1	0	16-QAM	23.54	23.45	23.48	16.70	0.0468
1.4	1	3		23.47	23.42	23.55		
1.4	1	5		23.48	23.45	23.53		
1.4	1	0	64-QAM	22.45	22.40	22.36	15.70	0.0372
1.4	1	3		22.43	22.46	22.40		
1.4	1	5		22.46	22.55	22.45		
1.4	1	0	256-QAM	19.47	19.40	19.56	12.74	0.0188
1.4	1	3		19.45	19.47	19.48		
1.4	1	5		19.49	19.59	19.40		
Limit	ERP < 100W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	24.52	-	17.67	0.0585
15	1	37		-	24.25	-		
15	1	74		-	24.28	-		
15	36	0		-	23.17	-		
15	36	20		-	23.16	-		
15	36	39		-	23.26	-		
15	75	0		-	23.18	-		
15	1	0	16-QAM	-	23.59	-	16.74	0.0472
15	1	37		-	23.46	-		
15	1	74		-	23.58	-		
15	1	0	64-QAM	-	22.44	-	15.62	0.0365
15	1	37		-	22.42	-		
15	1	74		-	22.47	-		
15	1	0	256-QAM	-	19.60	-	12.77	0.0189
15	1	37		-	19.27	-		
15	1	74		-	19.62	-		
10	1	0	QPSK	-	24.36	-	17.51	0.0564
10	1	25		-	24.25	-		
10	1	49		-	24.33	-		
10	25	0		-	23.45	-		
10	25	12		-	23.25	-		
10	25	25		-	23.36	-		
10	50	0		-	23.30	-		
10	1	0	16-QAM	-	23.63	-	16.78	0.0476
10	1	25		-	23.62	-		
10	1	49		-	23.63	-		
10	1	0	64-QAM	-	22.50	-	15.65	0.0367
10	1	25		-	22.42	-		
10	1	49		-	22.39	-		
10	1	0	256-QAM	-	19.50	-	12.69	0.0186
10	1	25		-	19.37	-		
10	1	49		-	19.48	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	24.39	-	17.59	0.0574
5	1	12		-	24.44	-		
5	1	24		-	24.26	-		
5	12	0		-	23.25	-		
5	12	7		-	23.22	-		
5	12	13		-	23.31	-		
5	25	0		-	23.30	-		
5	1	0	16-QAM	-	23.59	-	16.74	0.0472
5	1	12		-	23.43	-		
5	1	24		-	23.49	-		
5	1	0	64-QAM	-	22.62	-	15.77	0.0378
5	1	12		-	22.38	-		
5	1	24		-	22.46	-		
5	1	0	256-QAM	-	19.51	-	12.66	0.0185
5	1	12		-	19.48	-		
5	1	24		-	19.51	-		
3	1	0	QPSK	-	24.35	-	17.50	0.0562
3	1	8		-	24.22	-		
3	1	14		-	24.32	-		
3	8	0		-	23.38	-		
3	8	4		-	23.27	-		
3	8	7		-	23.38	-		
3	15	0		-	23.29	-		
3	1	0	16-QAM	-	23.64	-	16.80	0.0479
3	1	8		-	23.61	-		
3	1	14		-	23.65	-		
3	1	0	64-QAM	-	22.45	-	15.60	0.0363
3	1	8		-	22.38	-		
3	1	14		-	22.40	-		
3	1	0	256-QAM	-	19.54	-	12.69	0.0186
3	1	8		-	19.43	-		
3	1	14		-	19.51	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	24.40	-	17.55	0.0569
1.4	1	3		-	24.31	-		
1.4	1	5		-	24.27	-		
1.4	3	0		-	24.24	-		
1.4	3	1		-	24.14	-		
1.4	3	3		-	24.31	-		
1.4	6	0		-	23.23	-		
1.4	1	0	16-QAM	-	23.61	-	16.76	0.0474
1.4	1	3		-	23.49	-		
1.4	1	5		-	23.57	-		
1.4	1	0	64-QAM	-	22.50	-	15.68	0.0370
1.4	1	3		-	22.53	-		
1.4	1	5		-	22.40	-		
1.4	1	0	256-QAM	-	19.53	-	12.73	0.0187
1.4	1	3		-	19.55	-		
1.4	1	5		-	19.56	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 30 Maximum Average Power [dBm] (GT - LC = -1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	23.75	-	22.91	0.1954
10	1	25		-	23.83	-		
10	1	49		-	23.91	-		
10	25	0		-	22.84	-		
10	25	12		-	22.79	-		
10	25	25		-	22.70	-		
10	50	0		-	22.69	-		
10	1	0	16-QAM	-	23.15	-	22.26	0.1683
10	1	25		-	23.25	-		
10	1	49		-	23.26	-		
10	1	0	64-QAM	-	21.92	-	20.92	0.1236
10	1	25		-	21.90	-		
10	1	49		-	21.90	-		
10	1	0	256-QAM	-	18.96	-	17.96	0.0625
10	1	25		-	18.87	-		
10	1	49		-	18.85	-		
5	1	0	QPSK	23.71	23.88	23.79	22.88	0.1941
5	1	12		23.81	23.79	23.76		
5	1	24		23.81	23.81	23.80		
5	12	0		22.70	22.82	22.82		
5	12	7		22.68	22.71	22.71		
5	12	13		22.74	22.70	22.71		
5	25	0		22.76	22.81	22.80		
5	1	0	16-QAM	23.12	23.33	23.35	22.35	0.1718
5	1	12		23.08	23.12	23.20		
5	25	0		21.75	21.77	21.79		
5	1	0	64-QAM	21.94	22.09	22.08	21.09	0.1285
5	1	12		21.92	21.96	22.03		
5	25	0		20.82	20.83	20.84		
5	1	0	256-QAM	18.96	19.01	18.94	18.01	0.0632
5	1	12		18.80	18.81	18.82		
5	25	0		18.82	18.79	18.80		
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



<LTE B26 TX1 ANT1>

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.00	-	-	15.62	0.0365
15	1	37		23.99	-	-		
15	1	74		24.07	-	-		
15	36	0		22.92	-	-		
15	36	20		22.88	-	-		
15	36	39		22.89	-	-		
15	75	0		22.94	-	-		
15	1	0	16-QAM	23.23	-	-	14.80	0.0302
15	1	37		23.19	-	-		
15	1	74		23.25	-	-		
15	1	0	64-QAM	22.07	-	-	13.66	0.0232
15	1	37		22.08	-	-		
15	1	74		22.11	-	-		
15	1	0	256-QAM	18.94	-	-	10.62	0.0115
15	1	37		18.97	-	-		
15	1	74		19.07	-	-		
10	1	0	QPSK	-	24.06	-	15.81	0.0381
10	1	25		-	24.13	-		
10	1	49		-	24.26	-		
10	25	0		-	23.10	-		
10	25	12		-	23.10	-		
10	25	25		-	23.18	-		
10	50	0		-	23.08	-		
10	1	0	16-QAM	-	23.26	-	15.08	0.0322
10	1	25		-	23.40	-		
10	1	49		-	23.53	-		
10	1	0	64-QAM	-	22.15	-	13.91	0.0246
10	1	25		-	22.24	-		
10	1	49		-	22.36	-		
10	1	0	256-QAM	-	19.08	-	10.85	0.0122
10	1	25		-	19.21	-		
10	1	49		-	19.30	-		
Limit	ERP < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.94	24.04	23.86	15.59	0.0362
5	1	12		23.95	23.89	23.89		
5	1	24		23.95	23.93	23.86		
5	12	0		22.92	23.00	22.95		
5	12	7		22.86	22.94	22.82		
5	12	13		22.91	23.00	22.92		
5	25	0		22.95	22.91	22.98		
5	1	0	16-QAM	23.19	23.26	23.22	14.86	0.0306
5	1	12		23.20	23.15	23.16		
5	1	24		23.24	23.31	23.17		
5	1	0	64-QAM	22.05	21.98	21.95	13.66	0.0232
5	1	12		22.09	22.10	22.11		
5	1	24		22.11	22.10	22.02		
5	1	0	256-QAM	18.96	18.87	18.93	10.55	0.0114
5	1	12		18.93	18.85	18.97		
5	1	24		19.00	18.95	18.90		
3	1	0	QPSK	23.89	23.94	23.82	15.60	0.0363
3	1	8		23.88	23.92	23.91		
3	1	14		23.97	24.05	24.04		
3	8	0		22.91	22.89	22.87		
3	8	4		22.88	22.78	22.98		
3	8	7		22.91	22.97	22.83		
3	15	0		22.90	22.93	22.81		
3	1	0	16-QAM	23.15	23.12	23.14	14.78	0.0301
3	1	8		23.14	23.17	23.23		
3	1	14		23.14	23.12	23.04		
3	1	0	64-QAM	22.01	21.92	22.04	13.61	0.0230
3	1	8		22.01	21.93	22.06		
3	1	14		22.02	21.97	21.94		
3	1	0	256-QAM	18.91	18.82	18.96	10.62	0.0115
3	1	8		18.94	18.97	18.99		
3	1	14		19.00	18.94	19.07		
Limit	ERP < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.85	23.80	23.83	15.47	0.0352
1.4	1	3		23.85	23.86	23.92		
1.4	1	5		23.91	23.84	23.90		
1.4	3	0		23.77	23.84	23.87		
1.4	3	1		23.77	23.73	23.79		
1.4	3	3		23.80	23.90	23.70		
1.4	6	0		22.83	22.92	22.87		
1.4	1	0	16-QAM	23.00	22.94	23.02	14.66	0.0292
1.4	1	3		23.02	22.95	23.00		
1.4	1	5		23.07	23.02	23.11		
1.4	1	0	64-QAM	22.06	21.97	22.08	13.64	0.0231
1.4	1	3		21.98	21.98	22.03		
1.4	1	5		22.01	22.09	22.07		
1.4	1	0	256-QAM	18.83	18.83	18.79	10.51	0.0112
1.4	1	3		18.85	18.75	18.92		
1.4	1	5		18.89	18.79	18.83		
Limit	ERP < 100W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	24.04	-	15.59	0.0362
15	1	37		-	23.97	-		
15	1	74		-	23.98	-		
15	36	0		-	22.90	-		
15	36	20		-	22.87	-		
15	36	39		-	22.79	-		
15	75	0		-	23.00	-		
15	1	0	16-QAM	-	23.22	-	14.86	0.0306
15	1	37		-	23.22	-		
15	1	74		-	23.31	-		
15	1	0	64-QAM	-	22.11	-	13.66	0.0232
15	1	37		-	22.10	-		
15	1	74		-	22.07	-		
15	1	0	256-QAM	-	18.85	-	10.61	0.0115
15	1	37		-	19.06	-		
15	1	74		-	19.05	-		
10	1	0	QPSK	-	24.04	-	15.59	0.0362
10	1	25		-	23.97	-		
10	1	49		-	24.00	-		
10	25	0		-	22.93	-		
10	25	12		-	22.94	-		
10	25	25		-	22.99	-		
10	50	0		-	22.96	-		
10	1	0	16-QAM	-	23.30	-	14.89	0.0308
10	1	25		-	23.22	-		
10	1	49		-	23.34	-		
10	1	0	64-QAM	-	22.12	-	13.67	0.0233
10	1	25		-	22.01	-		
10	1	49		-	22.06	-		
10	1	0	256-QAM	-	18.90	-	10.66	0.0116
10	1	25		-	19.10	-		
10	1	49		-	19.11	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	23.85	-	15.58	0.0361
5	1	12		-	24.03	-		
5	1	24		-	23.96	-		
5	12	0		-	23.00	-		
5	12	7		-	22.87	-		
5	12	13		-	22.90	-		
5	25	0		-	22.85	-		
5	1	0	16-QAM	-	23.15	-	14.81	0.0303
5	1	12		-	23.26	-		
5	1	24		-	23.23	-		
5	1	0	64-QAM	-	22.01	-	13.68	0.0233
5	1	12		-	22.02	-		
5	1	24		-	22.13	-		
5	1	0	256-QAM	-	18.88	-	10.58	0.0114
5	1	12		-	19.03	-		
5	1	24		-	18.96	-		
3	1	0	QPSK	-	23.85	-	15.60	0.0363
3	1	8		-	23.80	-		
3	1	14		-	24.05	-		
3	8	0		-	22.86	-		
3	8	4		-	22.86	-		
3	8	7		-	22.93	-		
3	15	0		-	22.91	-		
3	1	0	16-QAM	-	23.22	-	14.77	0.0300
3	1	8		-	23.07	-		
3	1	14		-	23.06	-		
3	1	0	64-QAM	-	22.08	-	13.63	0.0231
3	1	8		-	21.91	-		
3	1	14		-	21.94	-		
3	1	0	256-QAM	-	18.98	-	10.58	0.0114
3	1	8		-	18.85	-		
3	1	14		-	19.03	-		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -6.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	23.87	-	15.44	0.0350
1.4	1	3		-	23.88	-		
1.4	1	5		-	23.89	-		
1.4	3	0		-	23.74	-		
1.4	3	1		-	23.68	-		
1.4	3	3		-	23.88	-		
1.4	6	0		-	22.92	-		
1.4	1	0	16-QAM	-	23.05	-	14.60	0.0288
1.4	1	3		-	22.92	-		
1.4	1	5		-	23.01	-		
1.4	1	0	64-QAM	-	22.16	-	13.71	0.0235
1.4	1	3		-	21.92	-		
1.4	1	5		-	22.08	-		
1.4	1	0	256-QAM	-	18.80	-	10.46	0.0111
1.4	1	3		-	18.79	-		
1.4	1	5		-	18.87	-		
Limit	ERP < 7W			Result			Pass	



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.

90.543(e)

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

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 14

Transmitters designed must meet the emission mask comply with the emission mask provisions of FCC Part 90.210(n).

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 14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The power of the modulated signal was measured on a spectrum analyzer using an RMS and 10 second sweep time in order to maximize the level.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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.

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)

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.

90.593

Transmitters designed to operate in 769-775 MHz and 799-805 MHz frequency bands must meet the frequency stability requirements in this section.

The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station.

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.

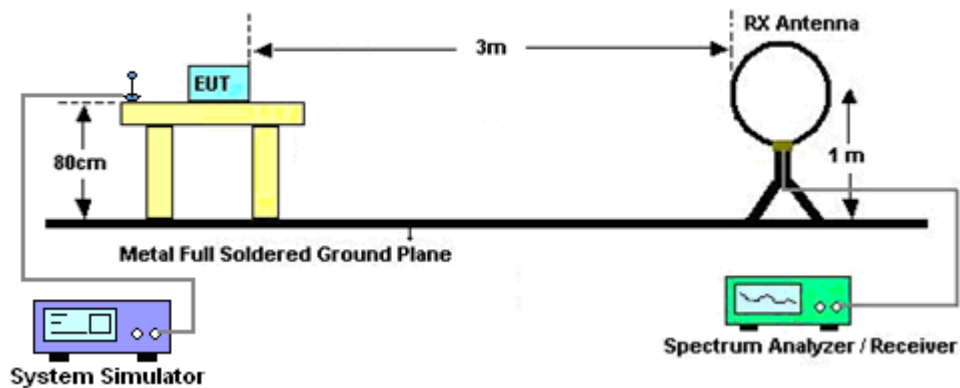
4 Radiated Test Items

4.1 Measuring Instruments

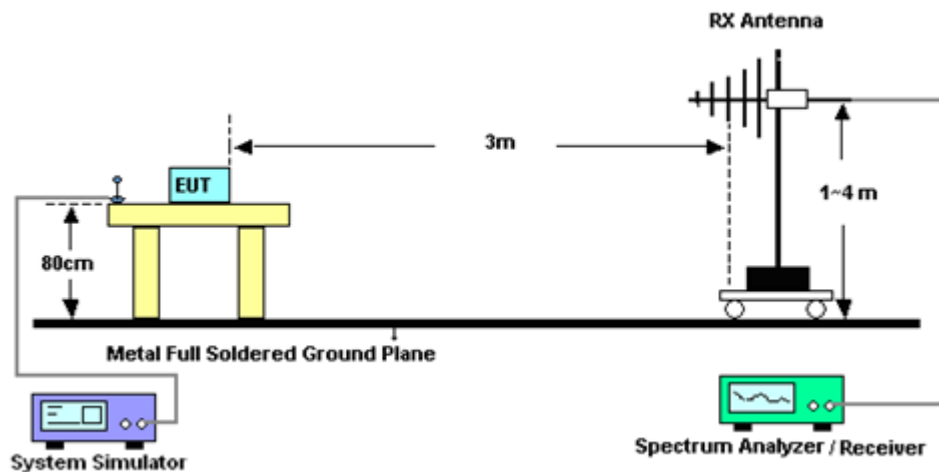
See list of measuring instruments of this test report.

4.1.1 Test Setup

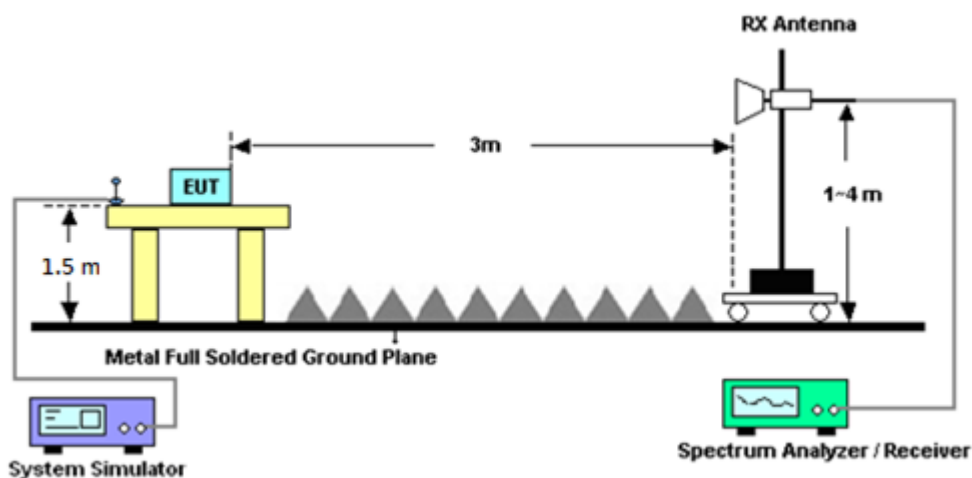
For radiated test below 30MHz



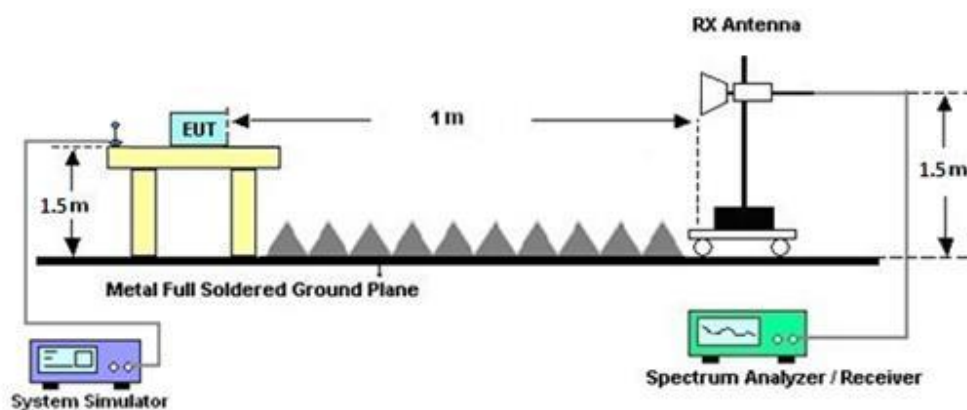
For radiated test from 30MHz to 1GHz



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 radiated spurious emission was measured by substitution method according to ANSI C63.26-2015. 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 14

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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.

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.

1. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
2. The table was rotated 360 degrees to determine the position of the highest spurious emission.
3. 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.
4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
5. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
6. $EIRP(dBm) = Level(dBuV/m) + 20\log(d) - 104.77$, where d is the distance at which field strength limit is specified in the rules
7. $Field\ Strength\ Level(dBm) = Spectrum\ Reading(dBm) + Antenna\ Factor + Cable\ Loss + Read\ Level - Preamplifier\ Factor$.
8. $ERP(dBm) = EIRP(dBm) - 2.15$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038B	MY622101 11	N/A	Aug. 29, 2025	Dec. 05, 2025~ Mar. 24, 2026	Aug. 28, 2026	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Dec. 05, 2025~ Dec. 10, 2025	Dec. 17, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Dec. 11, 2025~ Mar. 24, 2026	Dec. 10, 2026	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May. 26, 2025	Dec. 05, 2025~ Mar. 24, 2026	May. 25, 2026	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 25, 2025	Dec. 05, 2025~ Mar. 24, 2026	Aug. 24, 2026	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Dec. 05, 2025~ Mar. 24, 2026	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 05, 2025~ Mar. 24, 2026	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 05, 2025~ Mar. 24, 2026	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY542004 85	N/A	Aug. 27, 2025	Dec. 05, 2025~ Dec. 09, 2026	Aug. 26, 2026	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY602405 20	N/A	Dec. 10, 2025	Dec. 10, 2025~ Mar. 24, 2026	Dec. 09, 2026	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	55606 & 08	30MHz~1GHz	Nov. 26, 2025	Dec. 05, 2025~ Mar. 24, 2026	Nov. 25, 2026	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 05, 2025	Dec. 05, 2025~ Mar. 24, 2026	Nov. 04, 2026	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jul. 02, 2025	Dec. 05, 2025~ Mar. 24, 2026	Jul. 01, 2026	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz-40GHz	Jul. 02, 2025	Dec. 05, 2025~ Mar. 24, 2026	Jul. 01, 2026	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Dec. 05, 2025~ Dec. 29, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 30, 2025	Dec. 30, 2025~ Mar. 24, 2026	Dec. 29, 2026	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 11, 2025	Dec. 05, 2025~ Mar. 24, 2026	Nov. 10, 2026	Radiation (03CH20-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz-40GHz	Jul. 02, 2025	Dec. 05, 2025~ Mar. 24, 2026	Jul. 01, 2026	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz-40GHz	Jul. 02, 2025	Dec. 05, 2025~ Mar. 24, 2026	Jul. 01, 2026	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Dec. 05, 2025~ Dec. 29, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 30, 2025	Dec. 30, 2025~ Mar. 24, 2026	Dec. 29, 2026	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 11, 2025	Dec. 05, 2025~ Mar. 24, 2026	Nov. 10, 2026	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804015/2,804027/2	N/A	Jan. 16, 2025	Dec. 05, 2025~ Jan. 14, 2026	Jan. 15, 2026	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804015/2,804027/2	N/A	Jan. 15, 2026	Jan. 15, 2025~ Mar. 24, 2026	Jan. 14, 2027	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 21, 2025	Dec. 05, 2025~ Mar. 24, 2026	Oct. 20, 2026	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Dec. 05, 2025~ Mar. 24, 2026	N/A	Radiation (03CH20-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	626202534 1	LTE FDD/TDD LTE-2CC ULCA/DLCA	Sep. 16, 2025	Nov. 18, 2025~ May. 27, 2026	Sep. 15, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GET86154 6	0V~64V ; 0A~6A	Jun. 03, 2025	Nov. 18, 2025~ May. 27, 2026	Jun. 02, 2026	Conducted (TH05-HY)
Coupler	MVE	MVE4816	#Z	0.009MHz-18G Hz	Oct. 16, 2025	Nov. 18, 2025~ May. 27, 2026	Oct. 15, 2026	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101907	10Hz~40GHz	Aug. 25, 2025	Nov. 18, 2025~ May. 27, 2026	Aug. 24, 2026	Conducted (TH05-HY)
Thermal Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May. 12, 2025	Nov. 18, 2025~ Feb. 10, 2026	May. 11, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	Nov. 18, 2025~ May. 27, 2026	Jun. 12, 2026	Conducted (TH05-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Nov. 18, 2025~ May. 27, 2026	N/A	Conducted (TH05-HY)
Hygrometer	TECEPIL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 03, 2025	Nov. 18, 2025~ Feb. 10, 2026	Mar. 02, 2026	Conducted (TH05-HY)
Hygrometer	TECEPIL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 04, 2026	May. 25, 2026~ May. 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% ($U = 2Uc(y)$)	4.70 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% ($U = 2Uc(y)$)	5.20 dB
---	---------



LTE Band 14

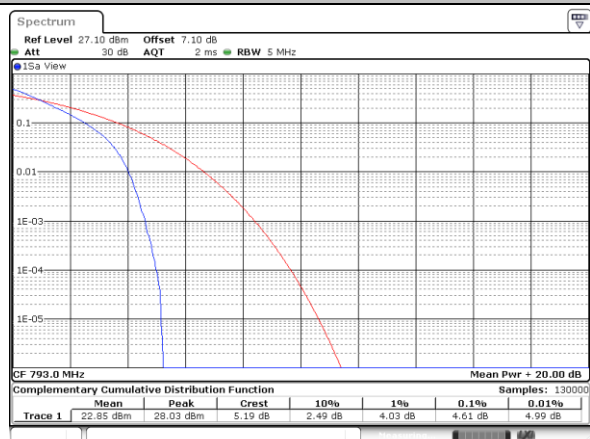
Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.33	5.97	6.55	PASS

Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.33	6.00	6.64	PASS

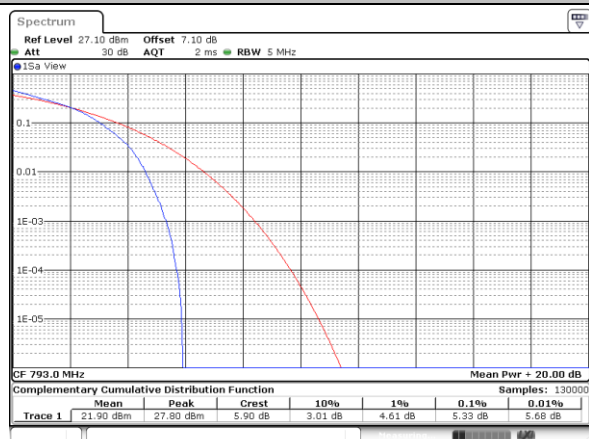
LTE Band 14 / 5MHz / QPSK

Middle Channel / Full RB



LTE Band 14 / 5MHz / 16QAM

Middle Channel / Full RB



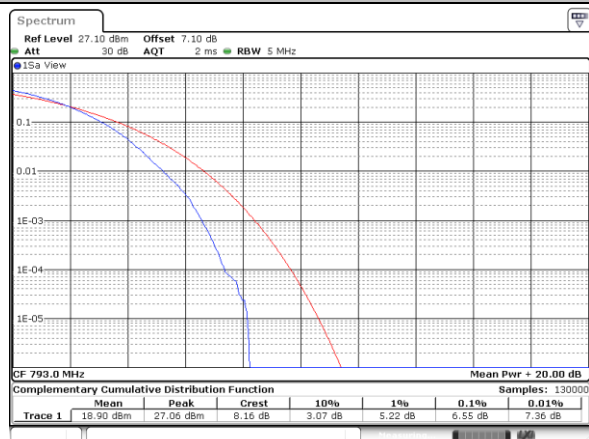
LTE Band 14 / 5MHz / 64QAM

Middle Channel / Full RB



LTE Band 14 / 5MHz / 256QAM

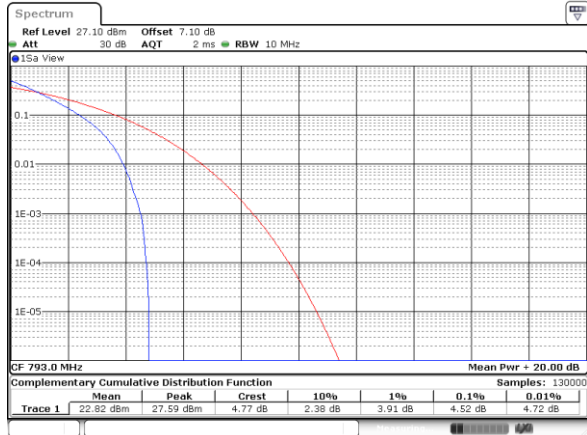
Middle Channel / Full RB





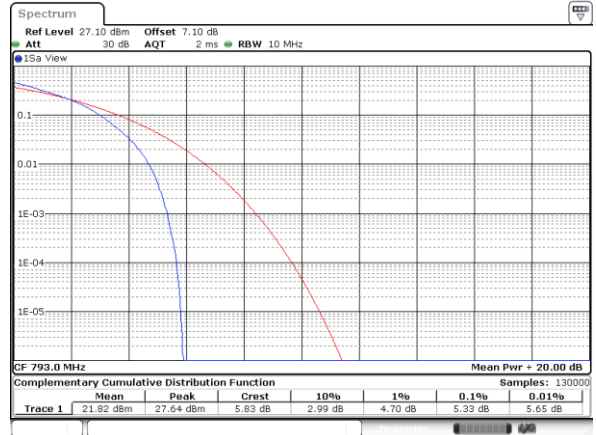
LTE Band 14 / 10MHz / QPSK

Middle Channel / Full RB



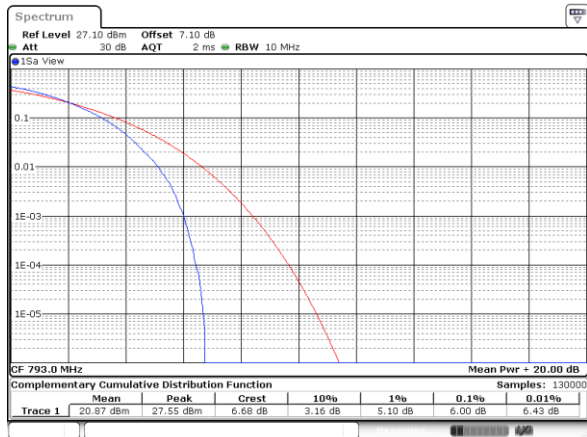
LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



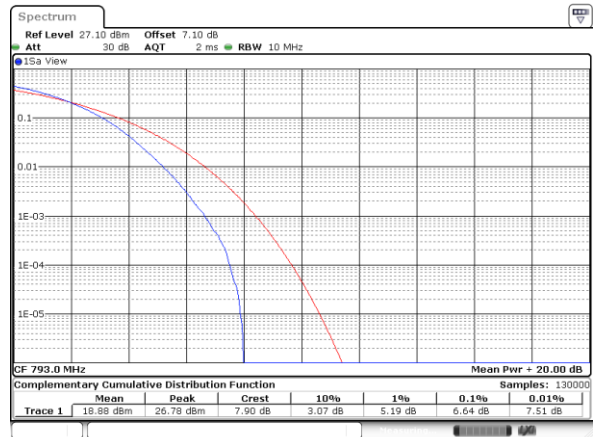
LTE Band 14 / 10MHz / 64QAM

Middle Channel / Full RB



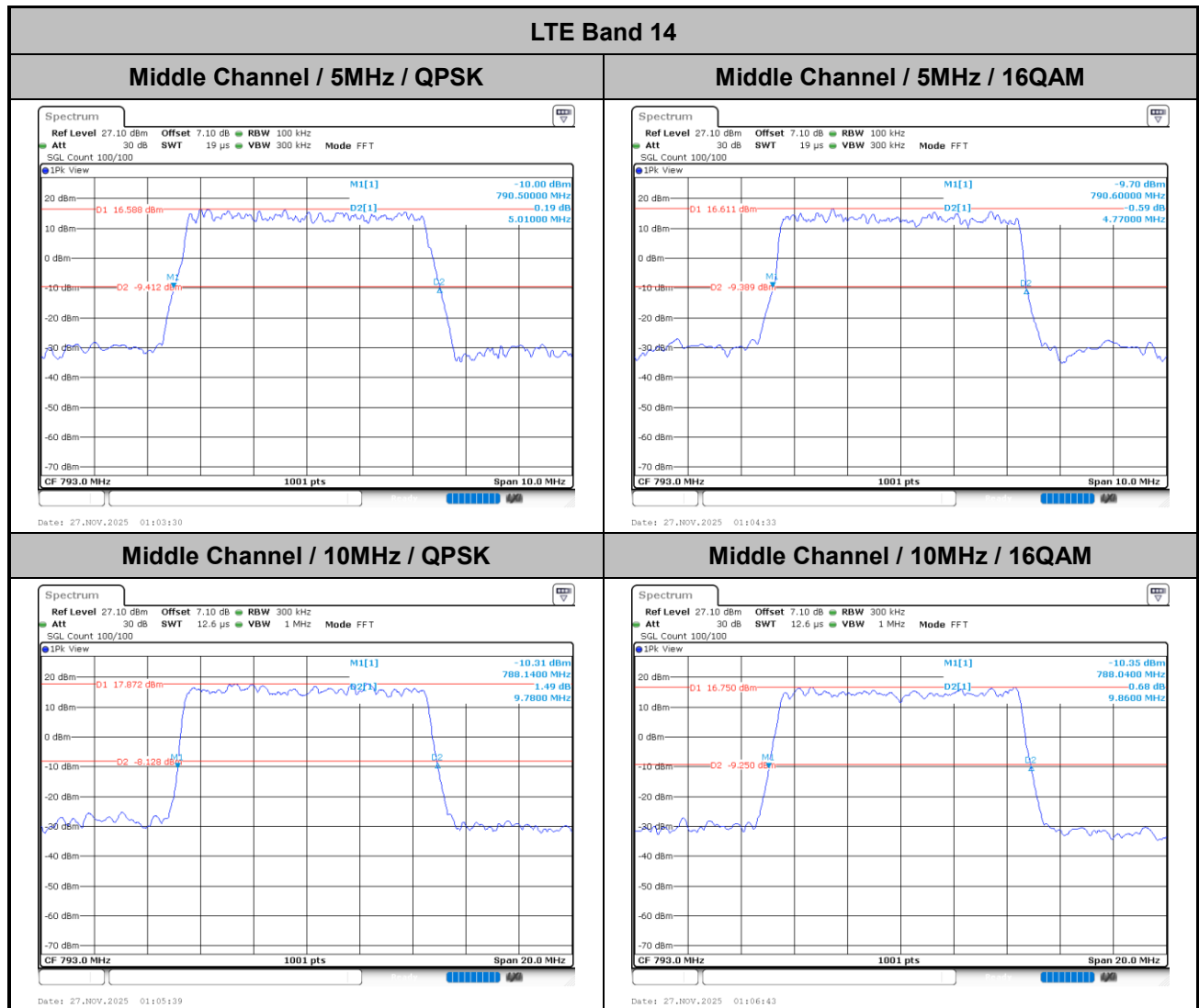
LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



**26dB Bandwidth**

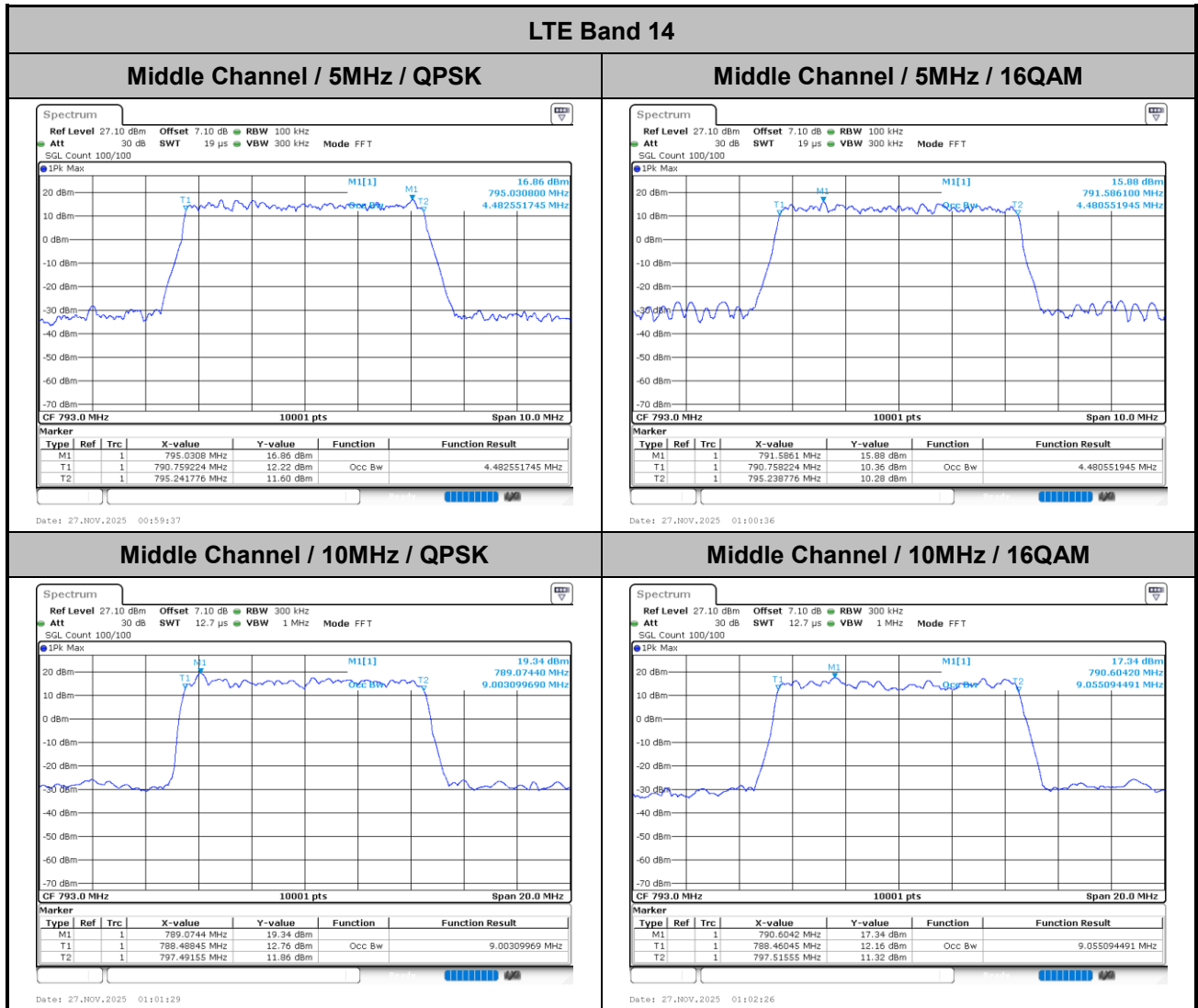
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.01	4.77	9.78	9.86	-	-	-	-





Occupied Bandwidth

Mode	LTE Band 14 : 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	-	-	-	-	4.48	4.48	9.00	9.05	-	-	-	-

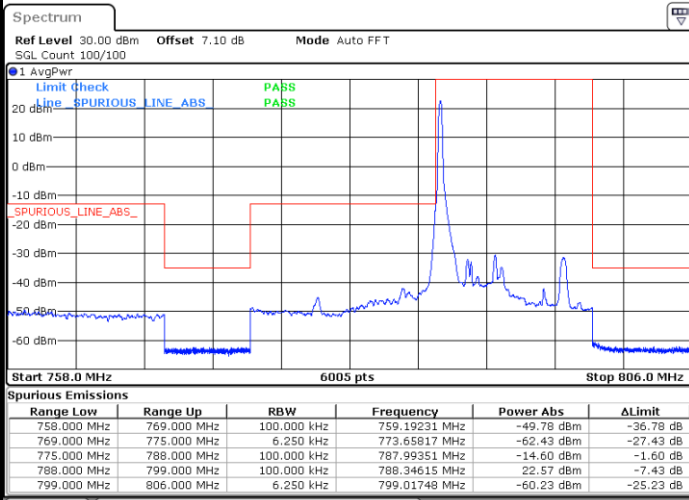




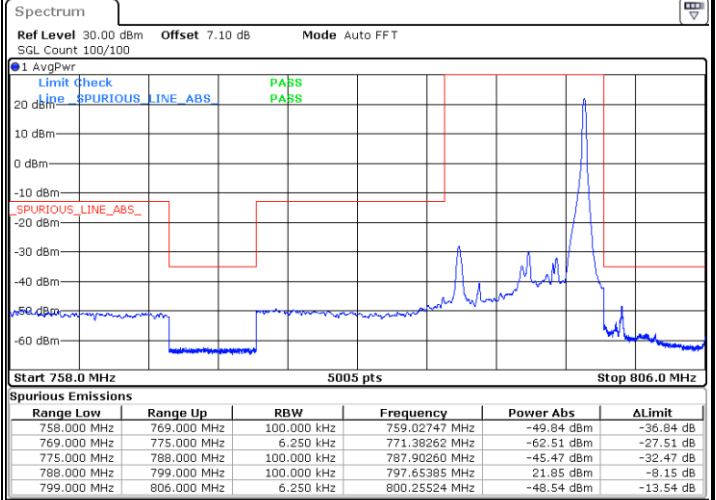
Conducted Band Edge

LTE Band 14 / 5MHz / QPSK

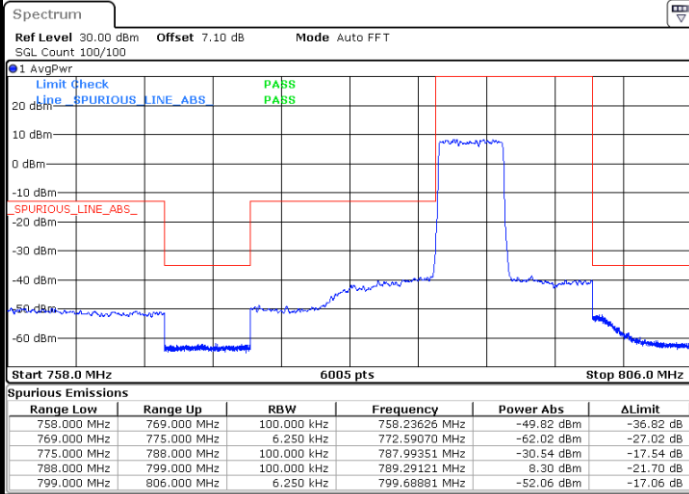
Lowest Band Edge / 1 RB



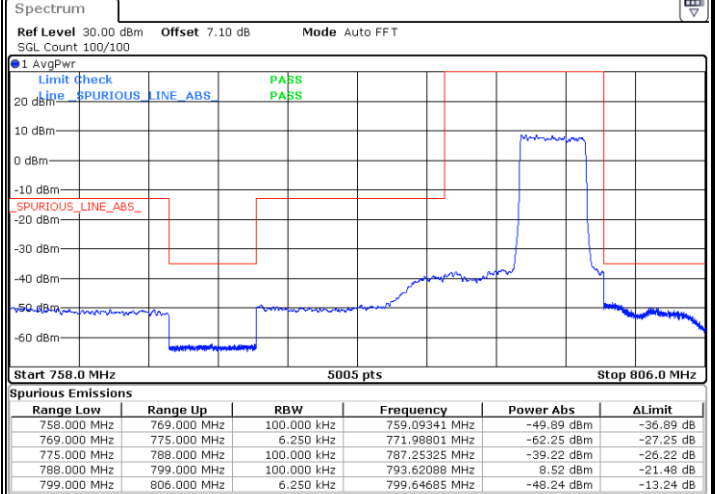
Highest Band Edge / 1 RB

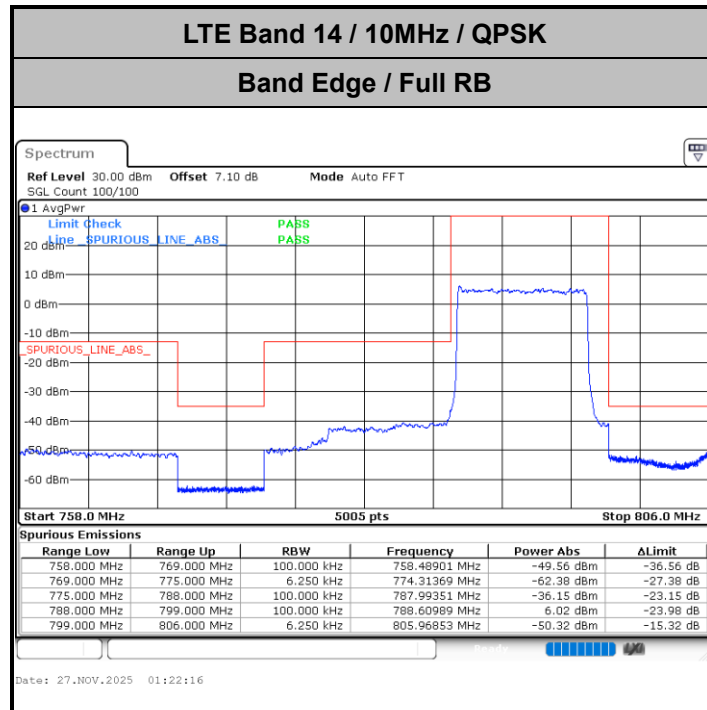


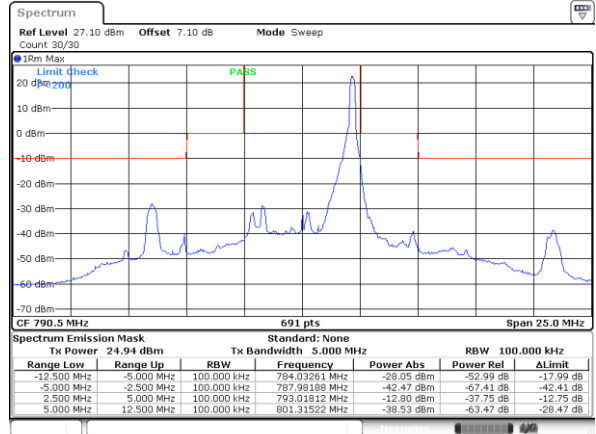
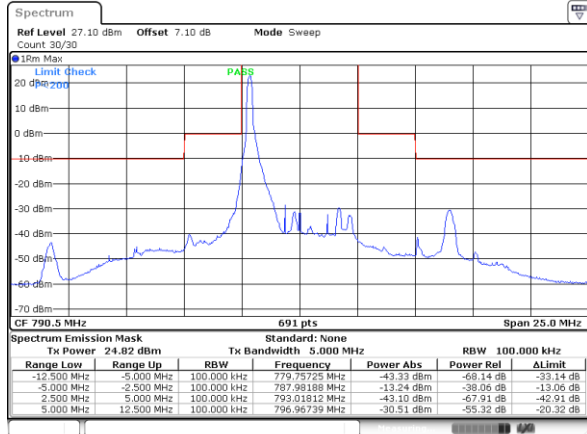
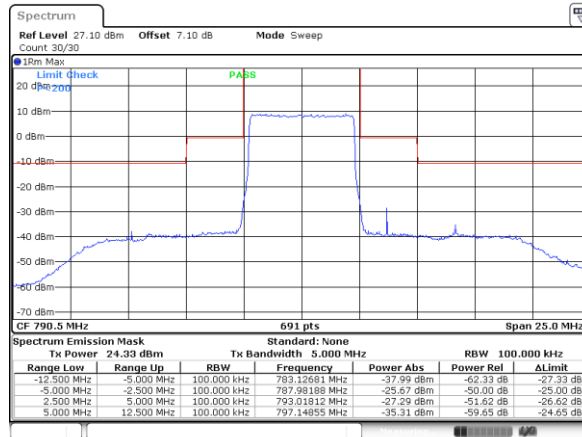
Lowest Band Edge / Full RB



Highest Band Edge / Full RB

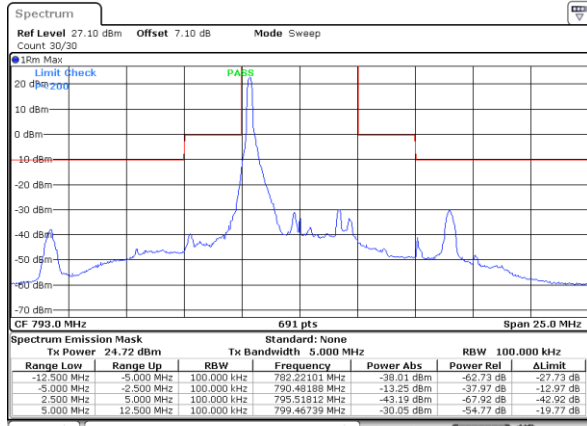




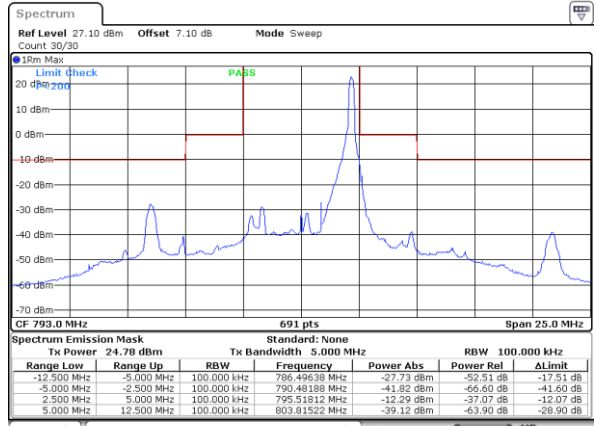
**Mask****LTE Band 14 / 5MHz / QPSK****Lowest Channel / 1RB****Lowest Channel / Full RB**

LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

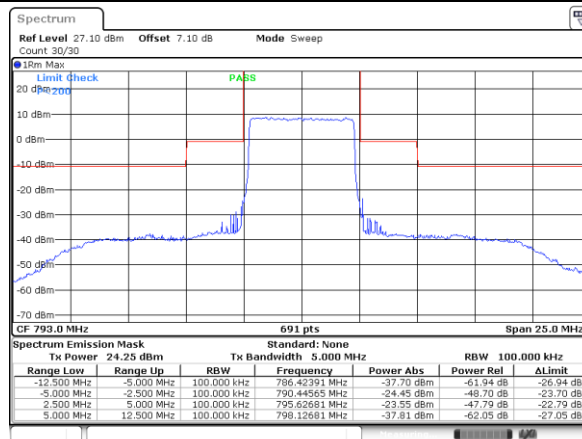


Date: 27,NOV,2025 01:30:23



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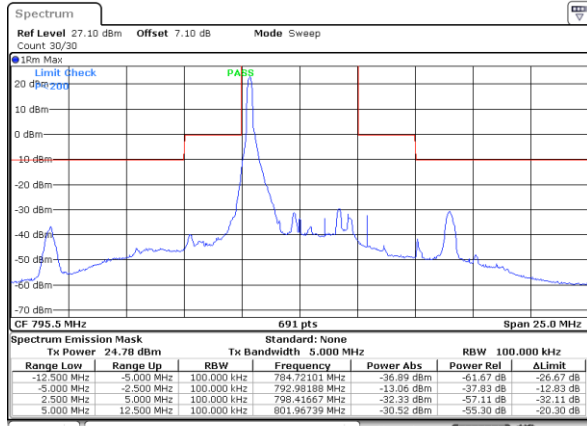
Middle Channel / Full RB



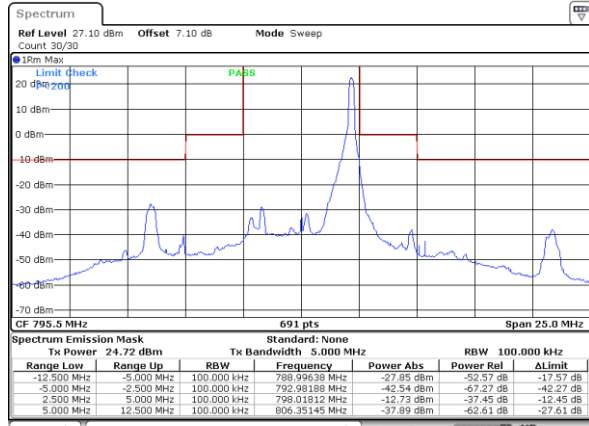
Date: 27,NOV,2025 01:28:40

LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

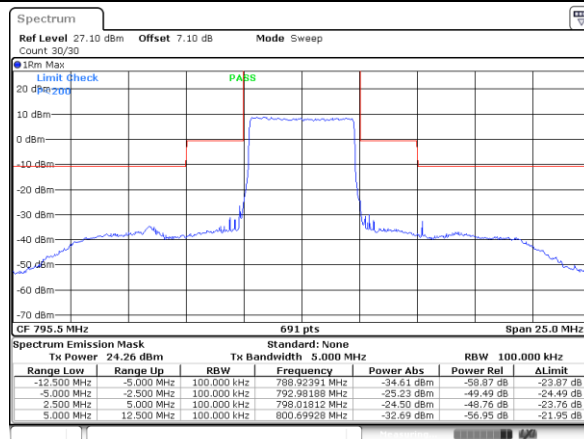


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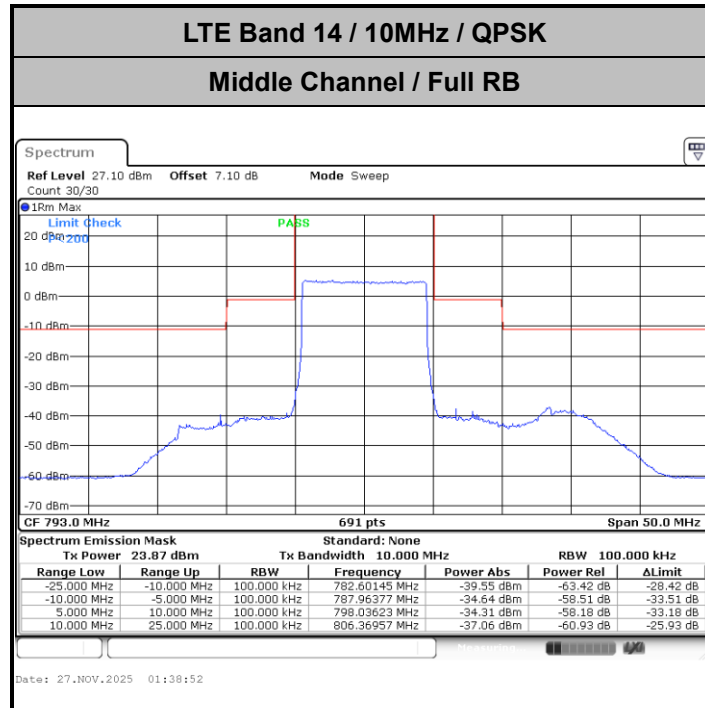


Date: 27,NOV,2025 01:37:03

Highest Channel / Full RB



Date: 27,NOV,2025 01:33:38

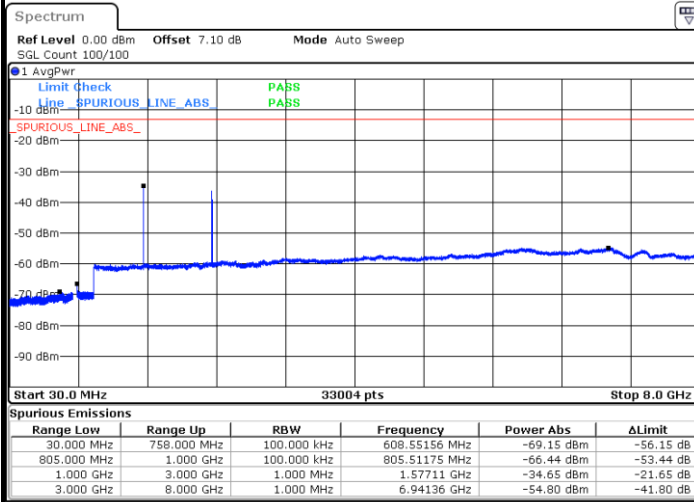




Conducted Spurious Emission

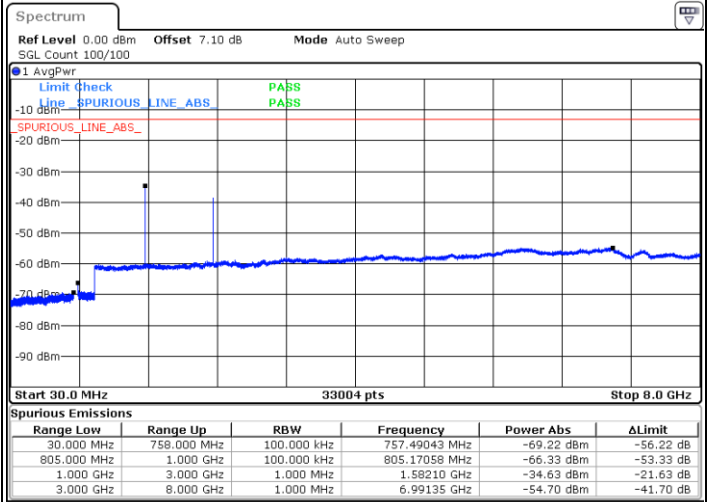
LTE Band 14 / 5MHz

Lowest Channel / QPSK



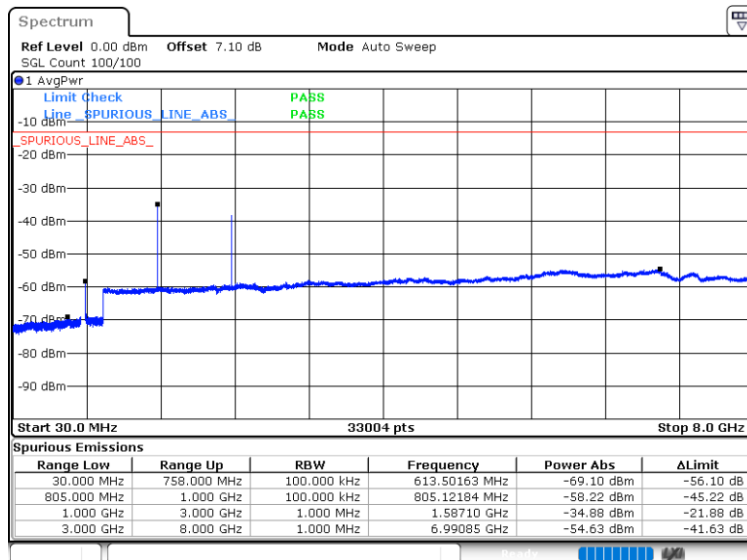
Date: 27.NOV.2025 01:40:44

Middle Channel / QPSK



Date: 27.NOV.2025 01:42:31

Highest Channel / QPSK

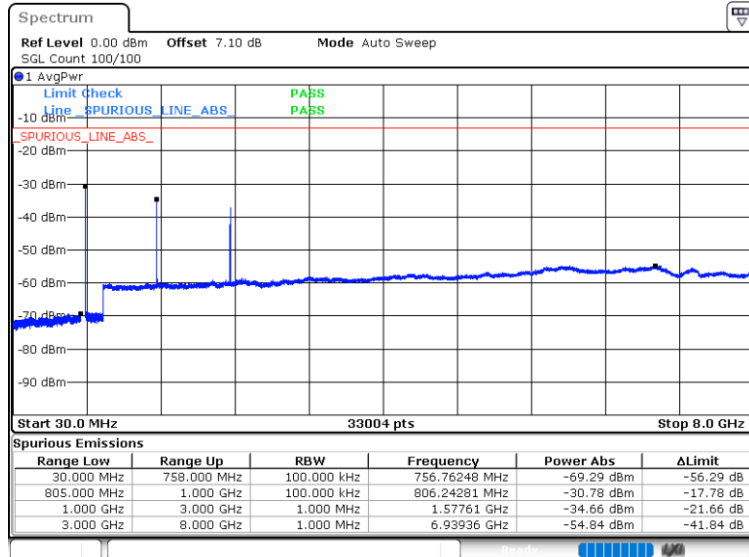


Date: 27.NOV.2025 01:44:24



LTE Band 14 / 10MHz

Middle Channel / QPSK



Date: 27.NOV.2025 01:46:06

Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel				
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)		Within Authorized Frequency Block(Hz)	Result
		BW 10MHz	BW 5MHz	BW 10MHz		
50	Normal Voltage	0.0004	5.9	0.3	Yes	PASS
40	Normal Voltage	0.0077	3.1	6.1	Yes	
30	Normal Voltage	0.0150	12.6	11.9	Yes	
20(Ref.)	Normal Voltage	0.0000	0	0	Yes	
10	Normal Voltage	0.0096	-0.5	7.6	Yes	
0	Normal Voltage	0.0057	5.9	4.5	Yes	
-10	Normal Voltage	0.0028	-1.2	-2.2	Yes	
-20	Normal Voltage	0.0082	-3.2	-6.5	Yes	
-30	Normal Voltage	0.0005	2.9	-0.4	Yes	
20	Maximum Voltage	0.0037	13.1	2.9	Yes	
20	Normal Voltage	0.0000	0	0	Yes	
20	Minimum Voltage	0.0016	-1.1	-1.3	Yes	

$|\text{MAX}(\Delta f)| = 13.1\text{Hz}$ (IC BW 5MHz)

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	788.130000	$\geq 788\text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	797.928000	$\leq 799\text{ MHz}$	

$|\text{MAX}(\Delta f)| = 11.9\text{Hz}$ (IC BW 10MHz)

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	788.404988	$\geq 788\text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	797.667012	$\leq 799\text{ MHz}$	

Note:

- Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.
- The frequency fundamental emissions stay within the authorized frequency block.
- 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 26_Part 90S

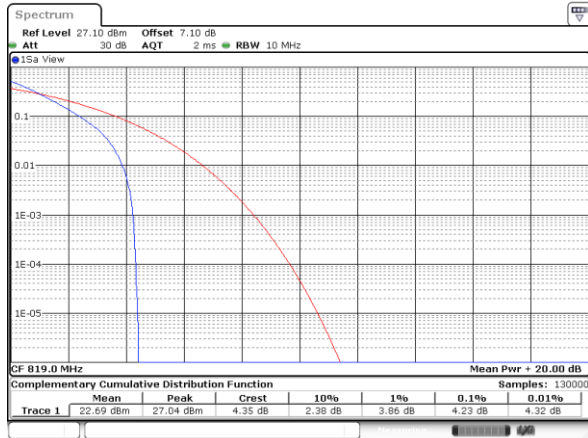
Peak-to-Average Ratio

Mode	LTE Band 26 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.23	5.22	5.71	6.26	PASS

Mode	LTE Band 26 / 1.4MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.93	5.80	PASS
Mode	LTE Band 26 / 3MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.61	5.42	PASS
Mode	LTE Band 26 / 5MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.87	5.19	PASS
Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.43	5.42	PASS

LTE Band 26 / 10MHz / QPSK

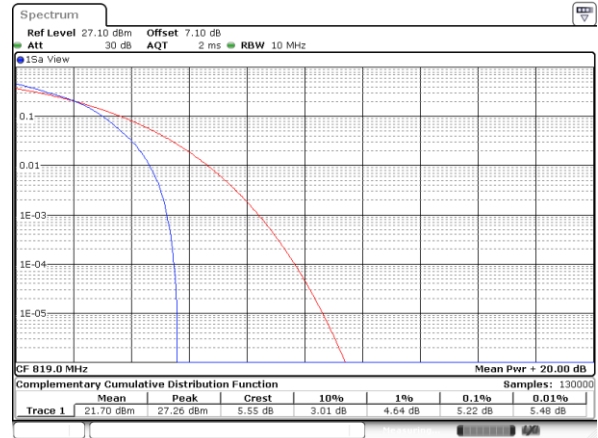
Middle Channel / Full RB



Date: 21.NOV.2025 03:09:54

LTE Band 26 / 10MHz / 16QAM

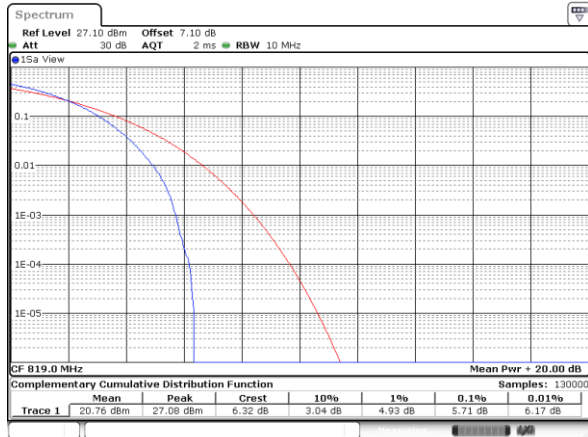
Middle Channel / Full RB



Date: 21.NOV.2025 03:07:11

LTE Band 26 / 10MHz / 64QAM

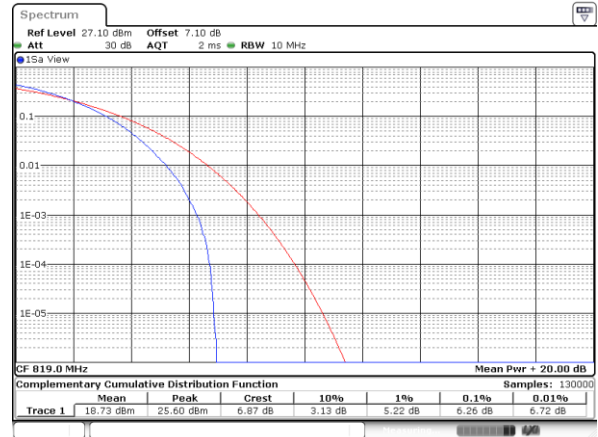
Middle Channel / Full RB



Date: 21.NOV.2025 03:08:06

LTE Band 26 / 10MHz / 256QAM

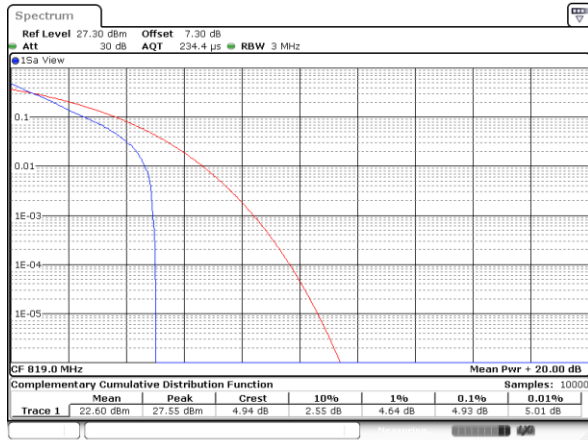
Middle Channel / Full RB



Date: 21.NOV.2025 03:08:52

LTE Band 26 / 1.4MHz / QPSK

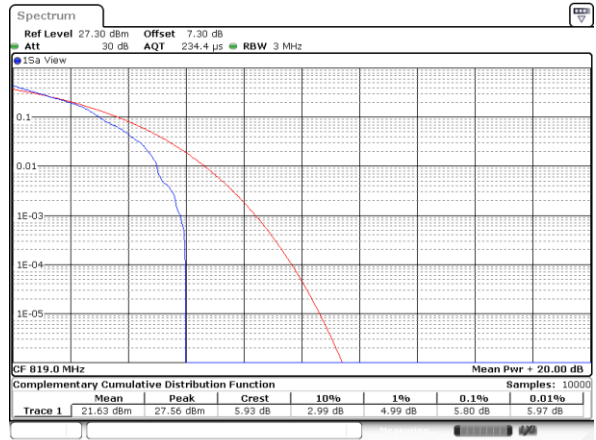
Middle Channel / Full RB



Date: 26.MAY.2026 16:33:10

LTE Band 26 / 1.4MHz / 16QAM

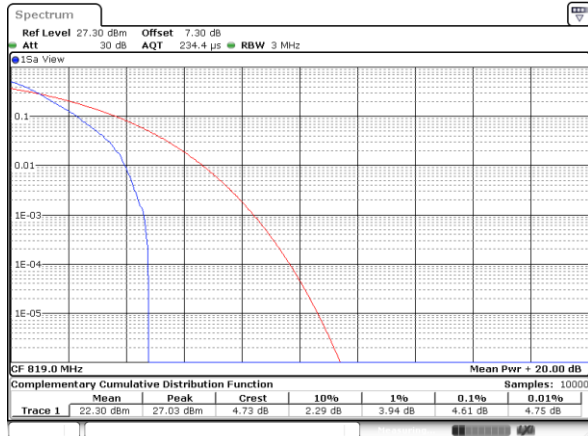
Middle Channel / Full RB



Date: 26.MAY.2026 16:32:35

LTE Band 26 / 3MHz / QPSK

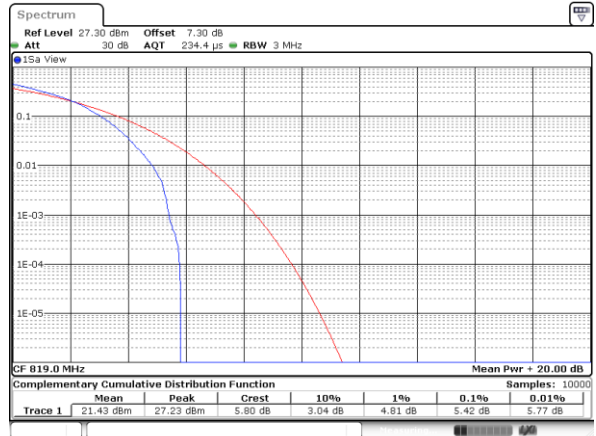
Middle Channel / Full RB



Date: 26.MAY.2026 16:34:23

LTE Band 26 / 3MHz / 16QAM

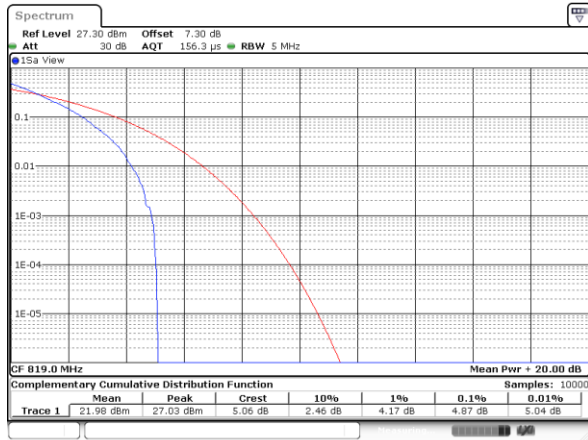
Middle Channel / Full RB



Date: 26.MAY.2026 16:33:45

LTE Band 26 / 5MHz / QPSK

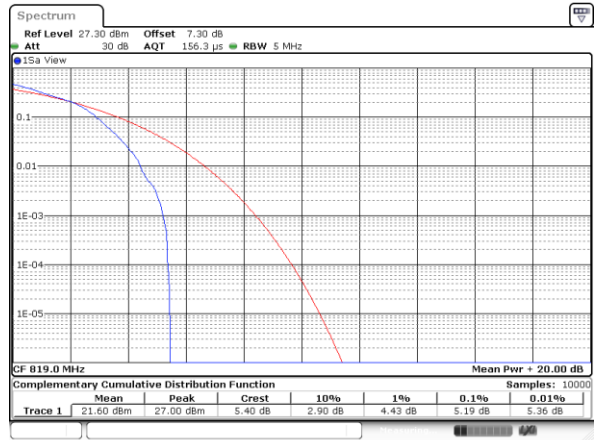
Middle Channel / Full RB



Date: 26.MAY.2026 16:35:35

LTE Band 26 / 5MHz / 16QAM

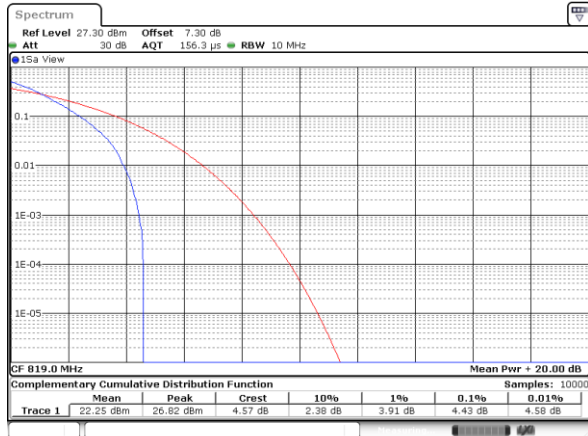
Middle Channel / Full RB



Date: 26.MAY.2026 16:35:00

LTE Band 26 / 15MHz / QPSK

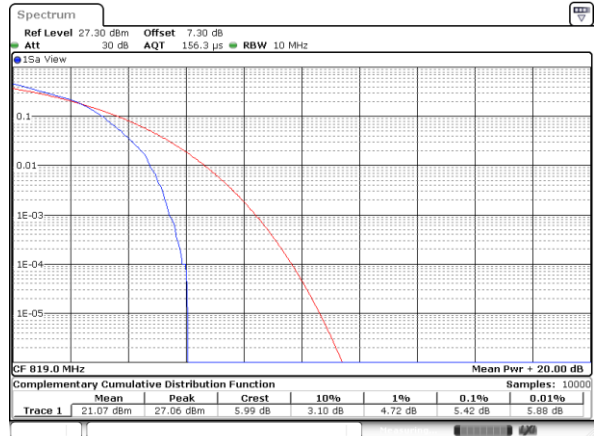
Middle Channel / Full RB



Date: 26.MAY.2026 16:36:50

LTE Band 26 / 15MHz / 16QAM

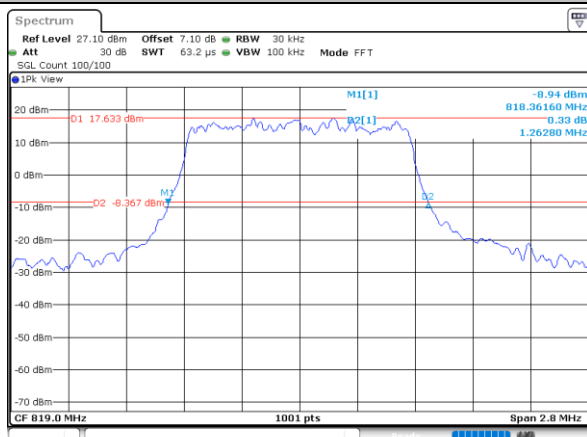
Middle Channel / Full RB



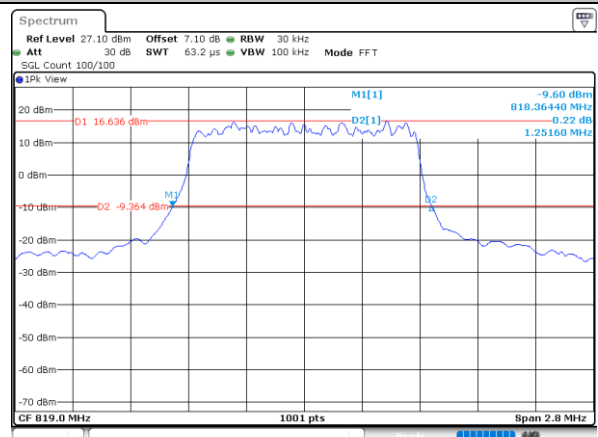
Date: 26.MAY.2026 16:36:10

**26dB Bandwidth**

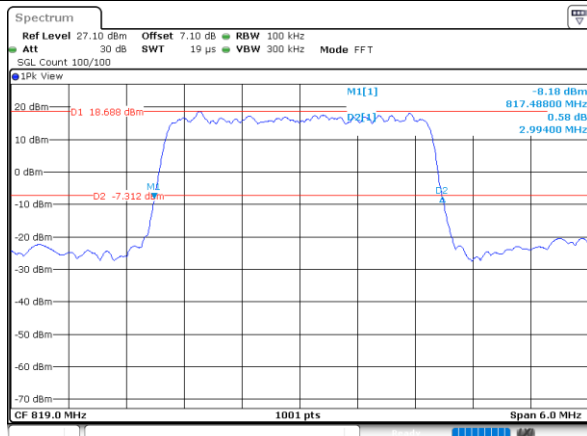
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Low CH	-	-	-	-	-	-	-	-	14.58	14.46	-	-
Middle CH	1.26	1.25	2.99	2.98	4.91	4.89	9.72	9.94	-	-	-	-

LTE Band 26**Middle Channel / 1.4MHz / QPSK**

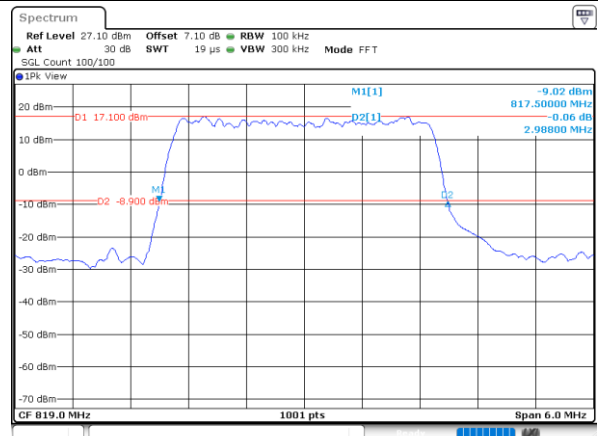
Date: 21.NOV.2025 02:53:29

Middle Channel / 1.4MHz / 16QAM

Date: 21.NOV.2025 02:54:30

Middle Channel / 3MHz / QPSK

Date: 21.NOV.2025 02:57:32

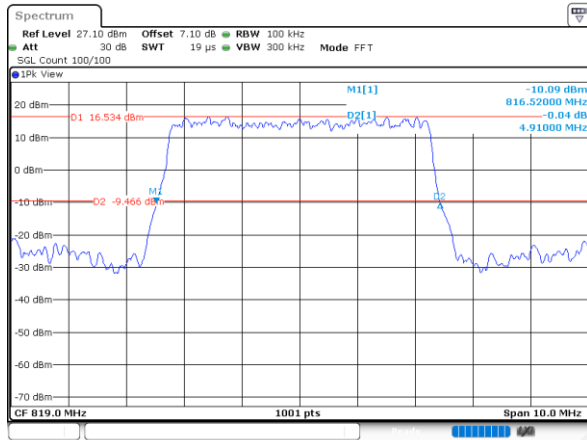
Middle Channel / 3MHz / 16QAM

Date: 21.NOV.2025 02:58:35



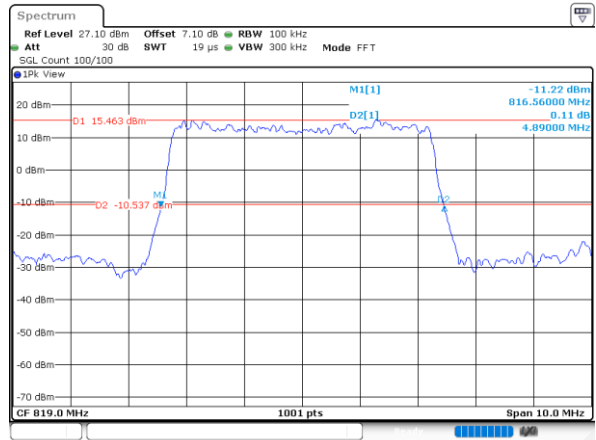
LTE Band 26

Middle Channel / 5MHz / QPSK



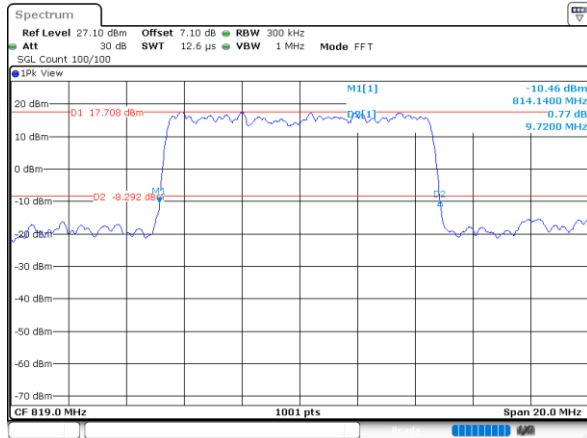
Date: 21.NOV.2025 03:01:17

Middle Channel / 5MHz / 16QAM



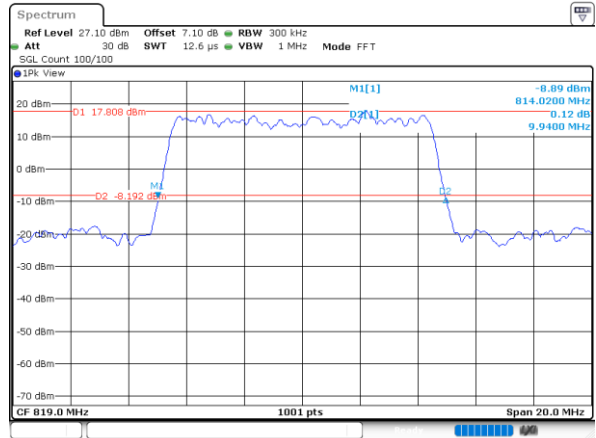
Date: 21.NOV.2025 03:02:17

Middle Channel / 10MHz / QPSK



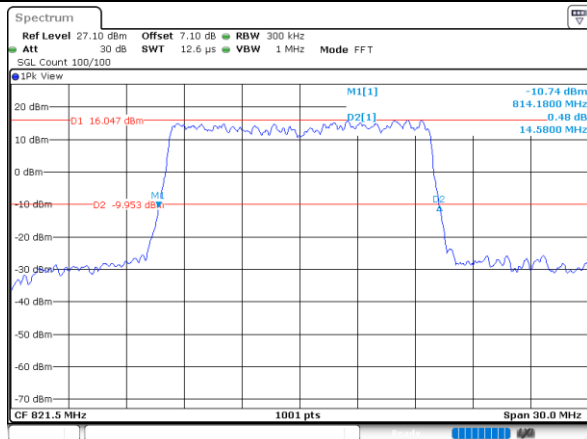
Date: 21.NOV.2025 03:05:21

Middle Channel / 10MHz / 16QAM



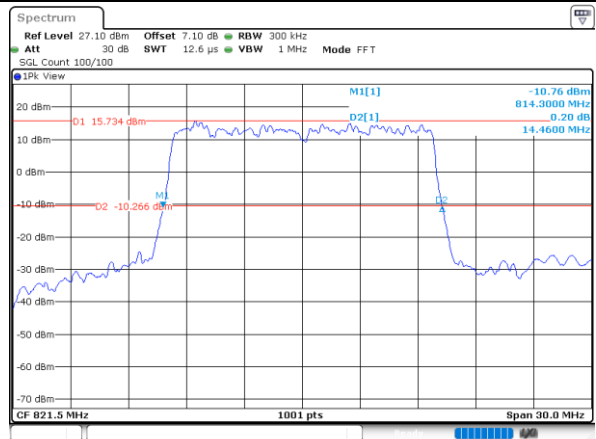
Date: 21.NOV.2025 03:06:17

Low Channel / 15MHz / QPSK



Date: 21.NOV.2025 03:13:47

Low Channel / 15MHz / 16QAM



Date: 21.NOV.2025 03:11:54

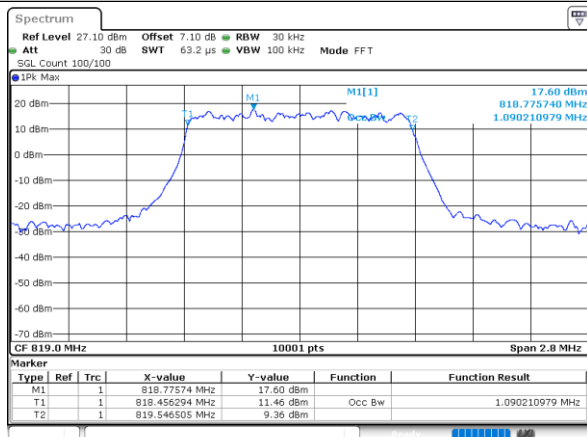


Occupied Bandwidth

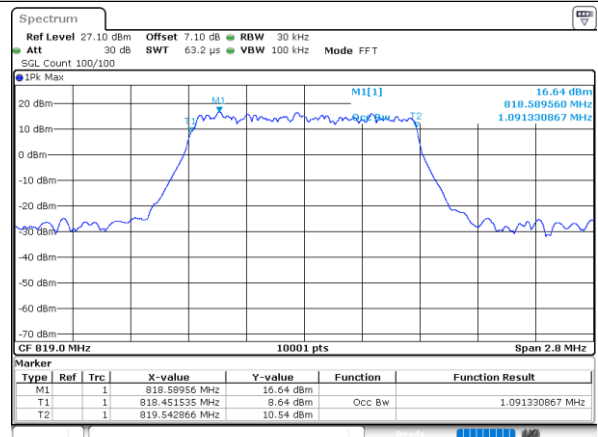
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Low CH	-	-	-	-	-	-	-	-	13.43	13.44	-	-
Middle CH	1.09	1.09	2.71	2.72	4.48	4.49	9.01	8.99	-	-	-	-

LTE Band 26

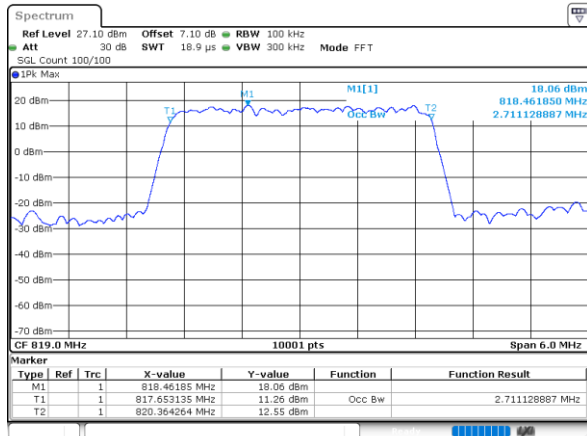
Middle Channel / 1.4MHz / QPSK



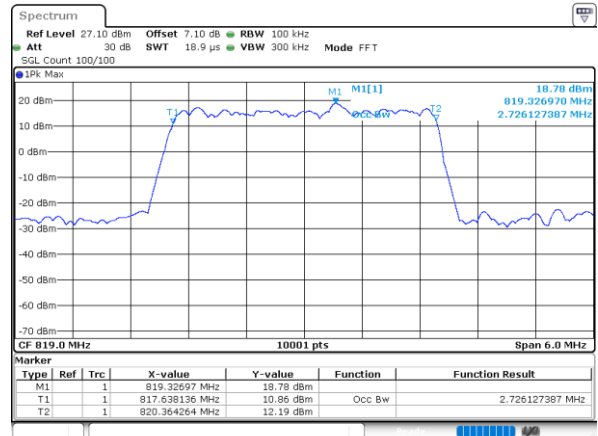
Middle Channel / 1.4MHz / 16QAM



Middle Channel / 3MHz / QPSK



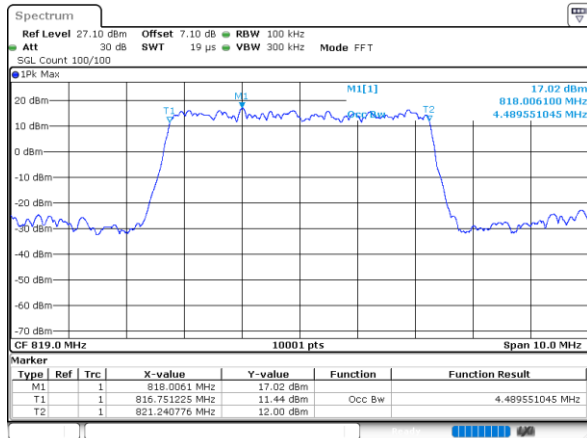
Middle Channel / 3MHz / 16QAM



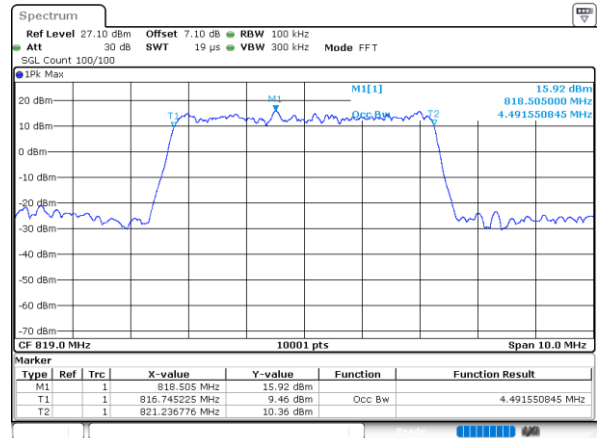


LTE Band 26

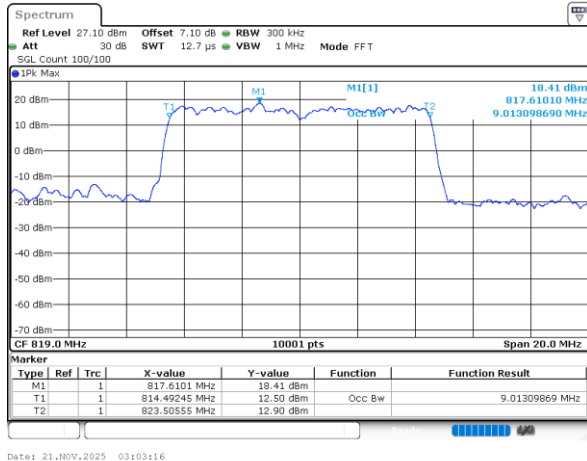
Middle Channel / 5MHz / QPSK



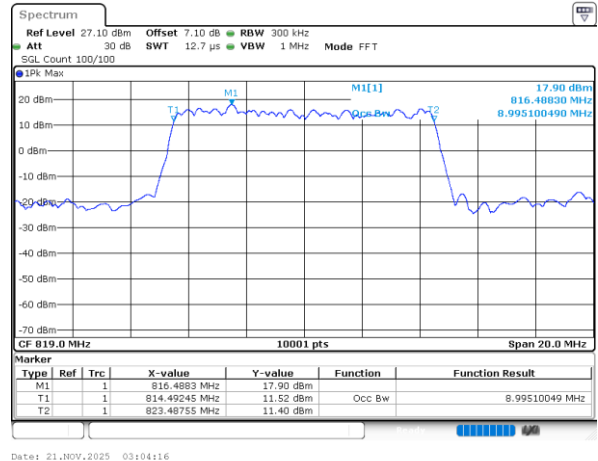
Middle Channel / 5MHz / 16QAM



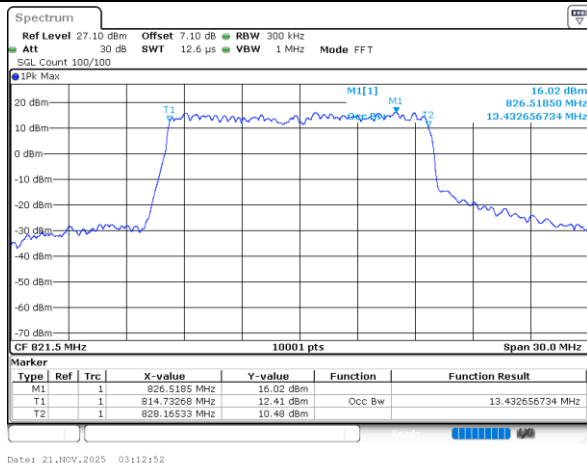
Middle Channel / 10MHz / QPSK



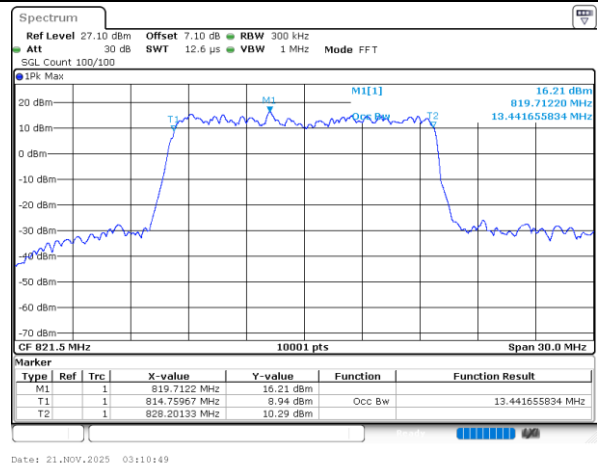
Middle Channel / 10MHz / 16QAM

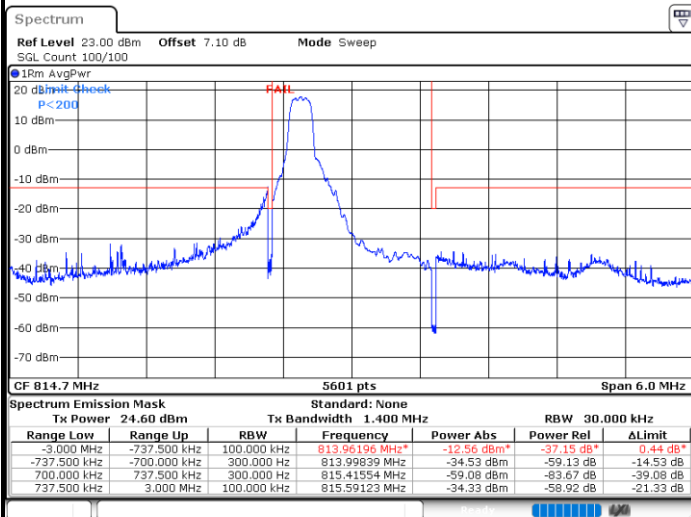
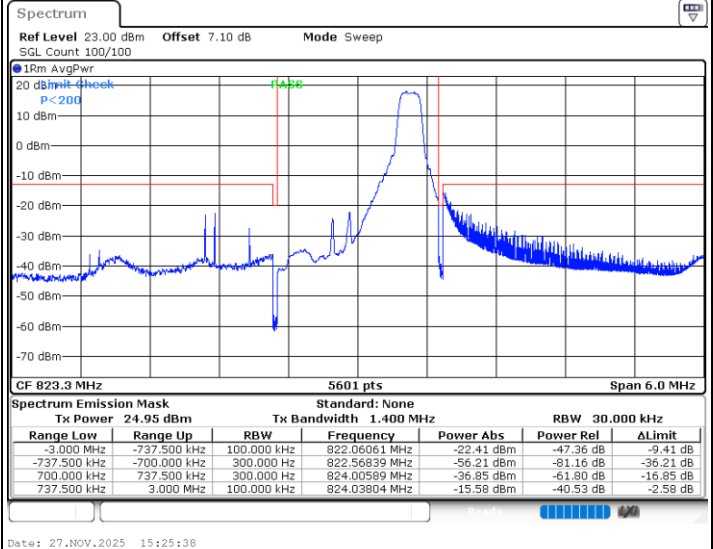
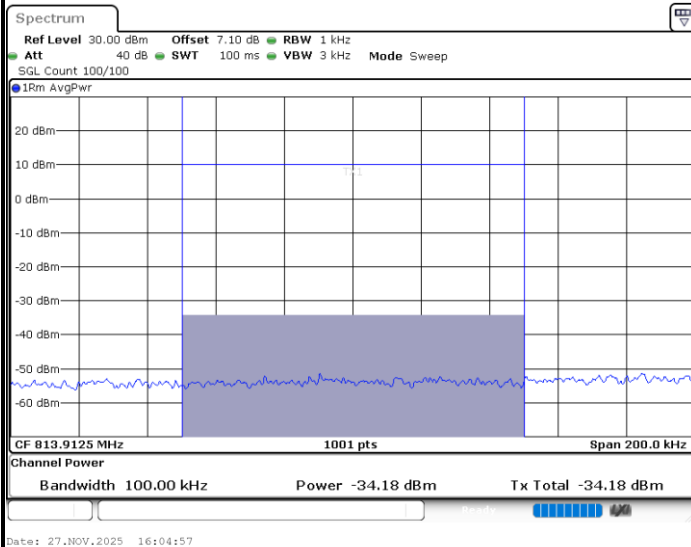


Low Channel / 15MHz / QPSK



Low Channel / 15MHz / 16QAM



**Emission masks – In-band emissions****LTE Band 26 / 1.4MHz / QPSK****Lowest Channel / 1RB****Highest Channel / 1RB****Conducted Power verify**

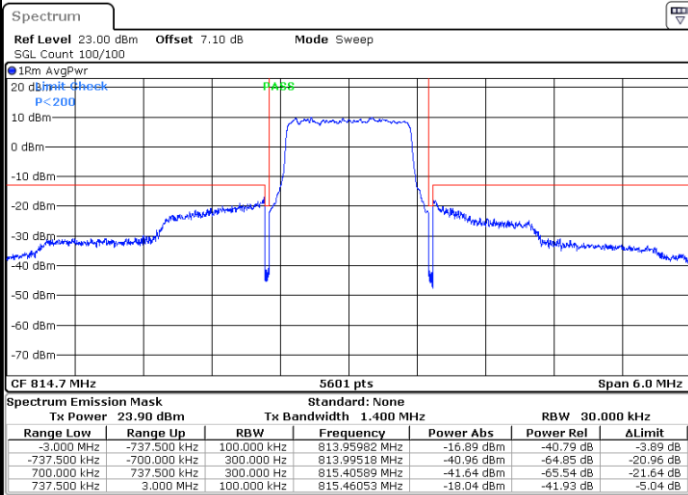
N/A



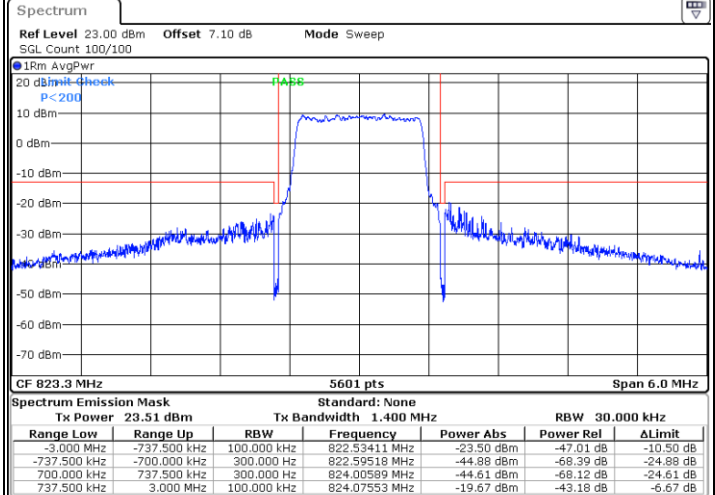
LTE Band 26 / 1.4MHz / QPSK

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 27.NOV.2025 15:35:49

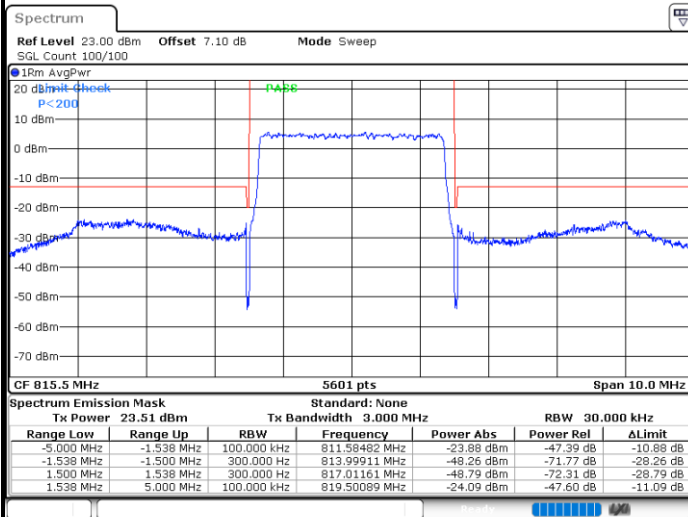


Date: 21.NOV.2025 02:26:22

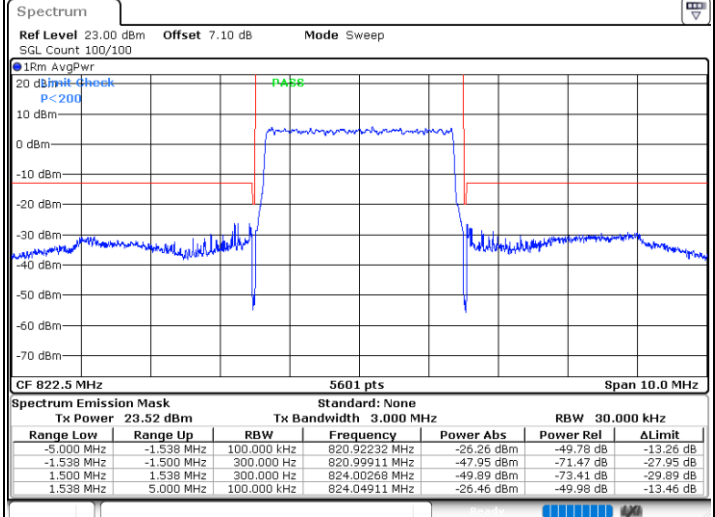


LTE Band 26 / 3MHz / QPSK

Lowest Channel / Full RB

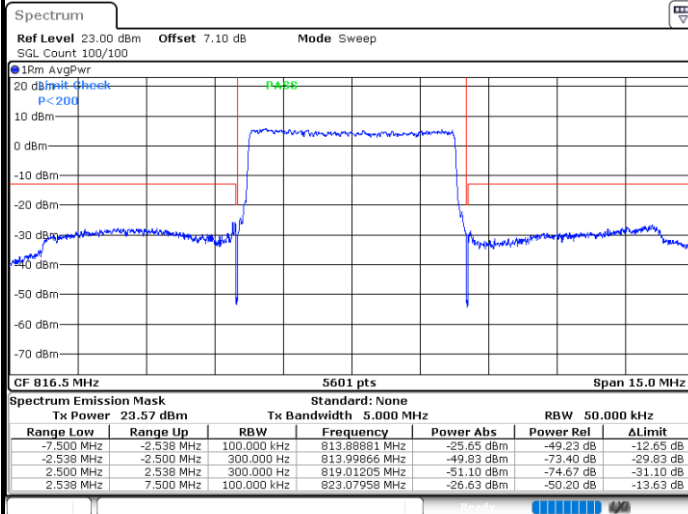


Highest Channel / Full RB

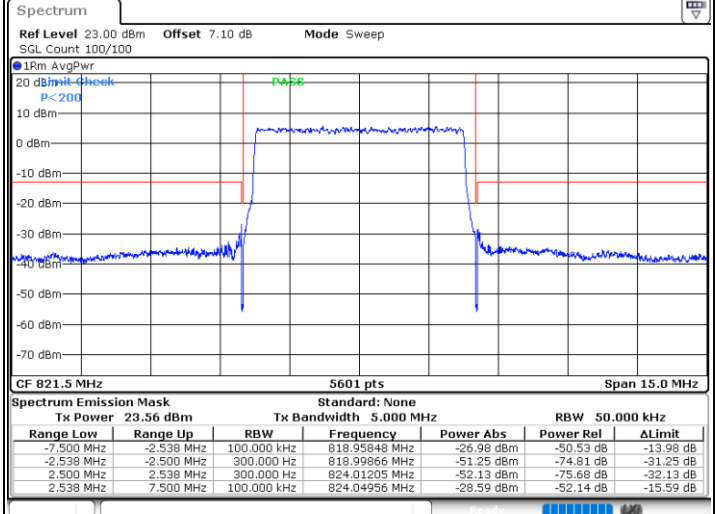


LTE Band 26 / 5MHz / QPSK

Lowest Channel / Full RB



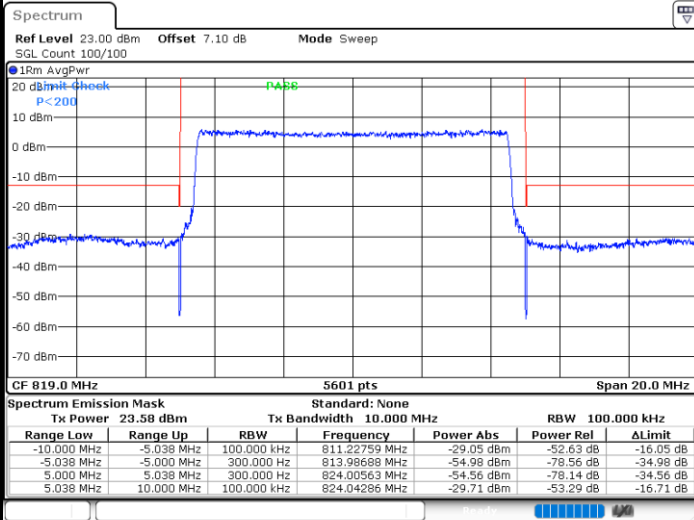
Highest Channel / Full RB





LTE Band 26 / 10MHz / QPSK

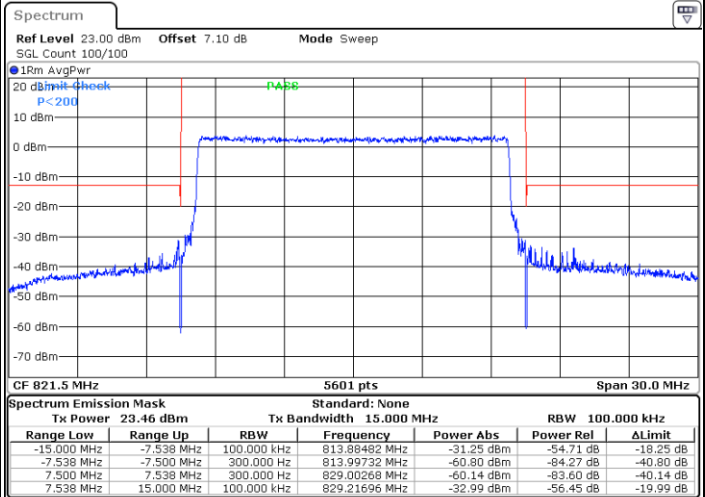
Middle Channel / Full RB



Date: 21.NOV.2025 02:34:17

LTE Band 26 / 15MHz / QPSK

Lowest Channel / Full RB



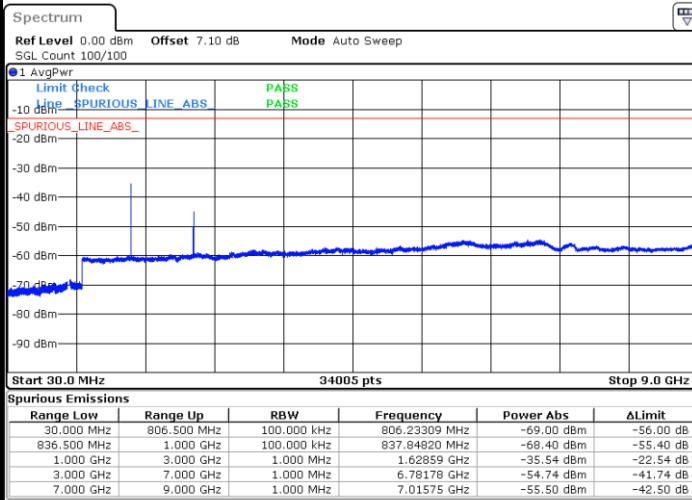
Date: 21.NOV.2025 02:35:49



Emission masks – Out of band emissions

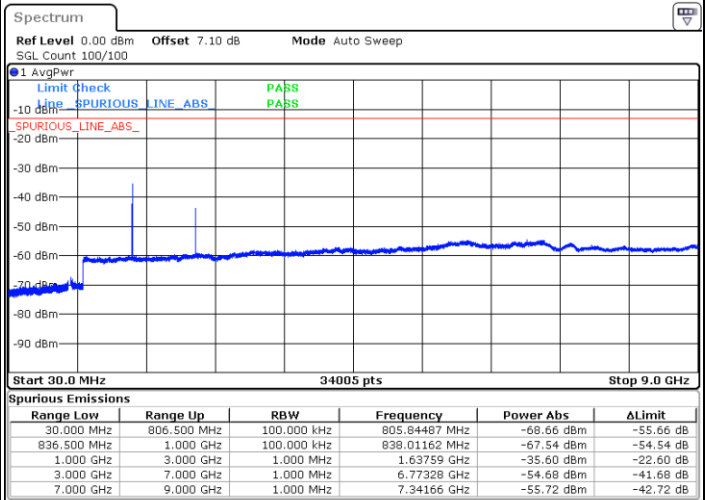
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



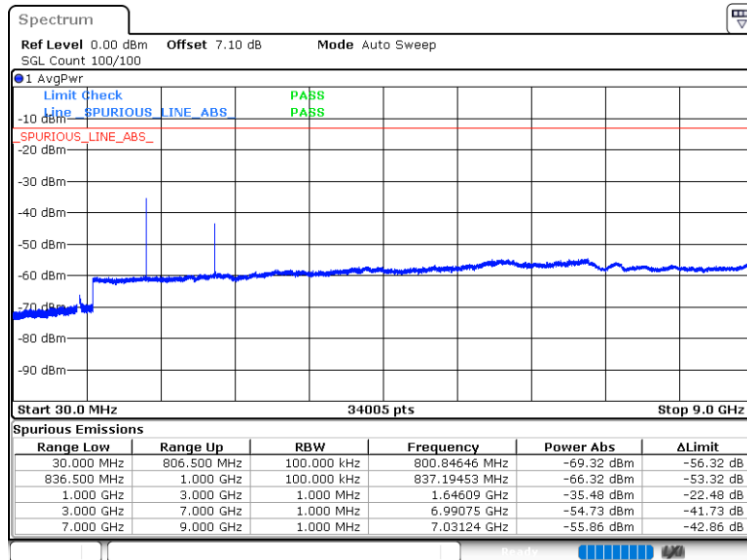
Date: 21.NOV.2025 02:16:07

Middle Channel / QPSK



Date: 21.NOV.2025 02:18:02

Highest Channel / QPSK

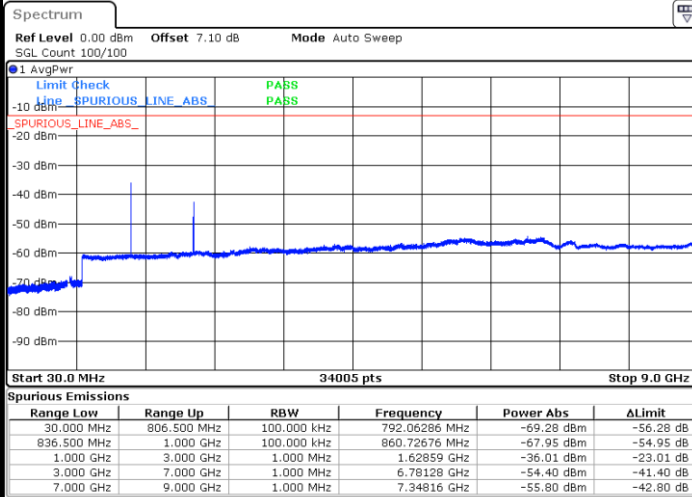


Date: 21.NOV.2025 02:19:54



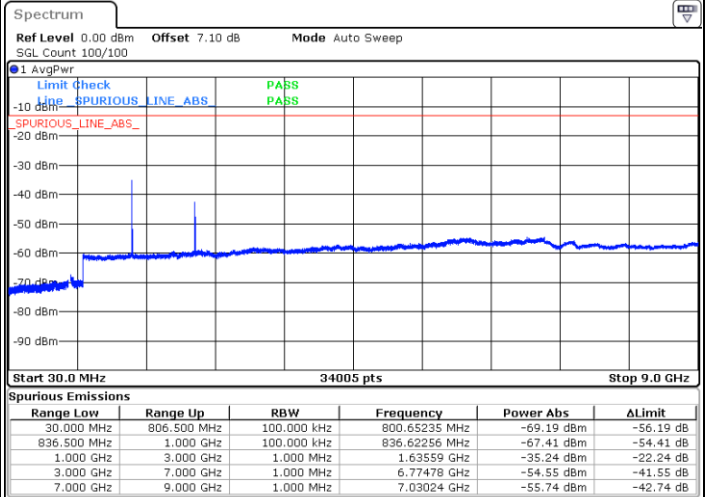
LTE Band 26 / 3MHz

Lowest Channel / QPSK



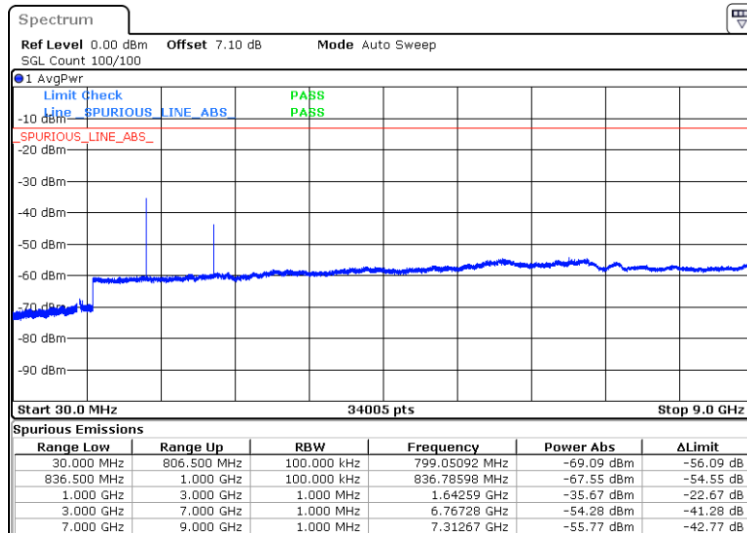
Date: 21.NOV.2025 02:37:32

Middle Channel / QPSK



Date: 21.NOV.2025 02:39:16

Highest Channel / QPSK

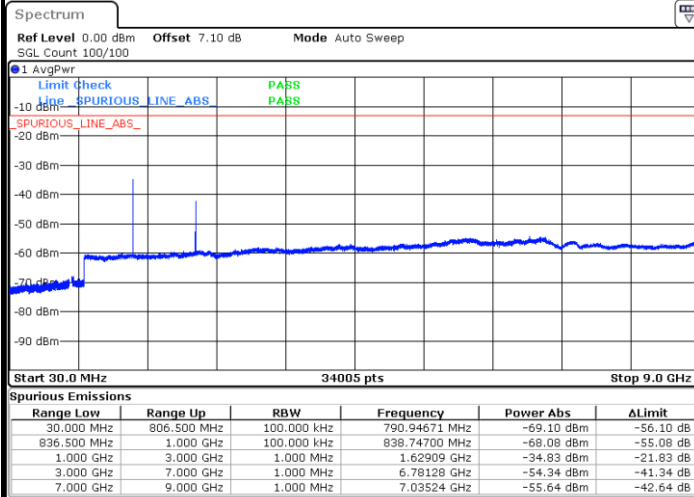


Date: 21.NOV.2025 02:41:00



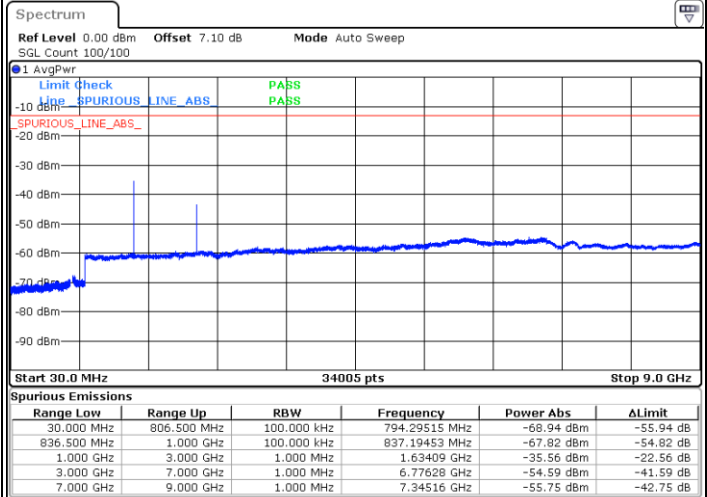
LTE Band 26 / 5MHz

Lowest Channel / QPSK



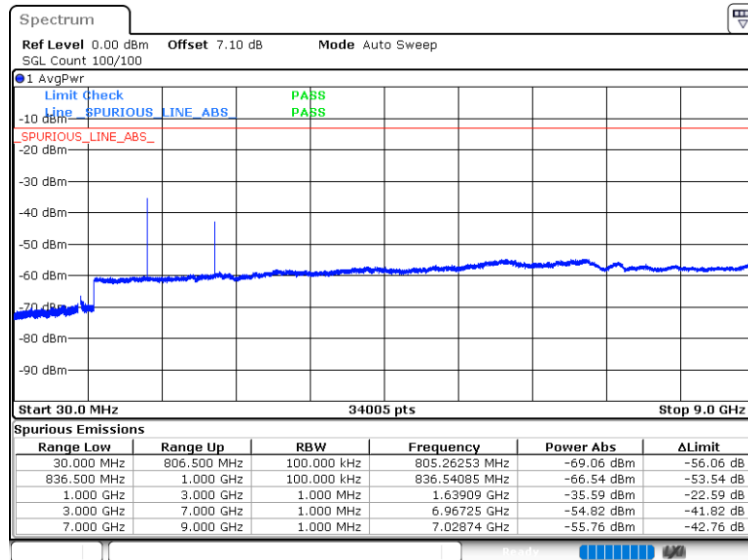
Date: 21.NOV.2025 02:42:44

Middle Channel / QPSK



Date: 21.NOV.2025 02:44:26

Highest Channel / QPSK

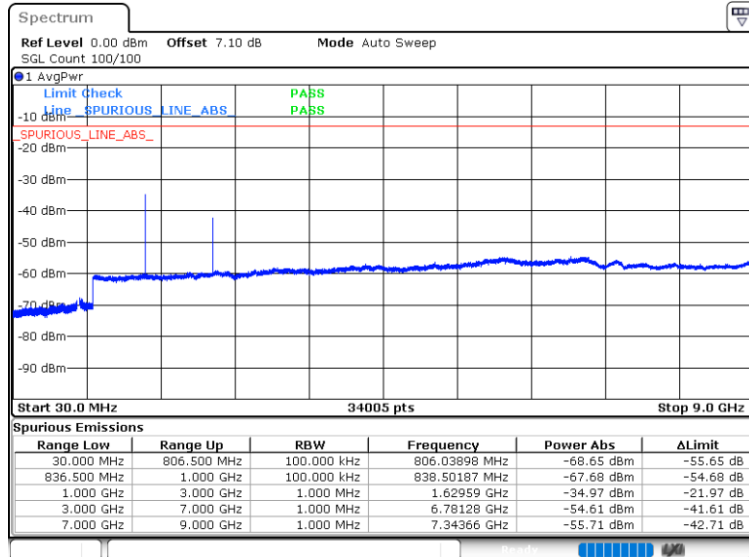


Date: 21.NOV.2025 02:46:22



LTE Band 26 / 10MHz

Middle Channel / QPSK

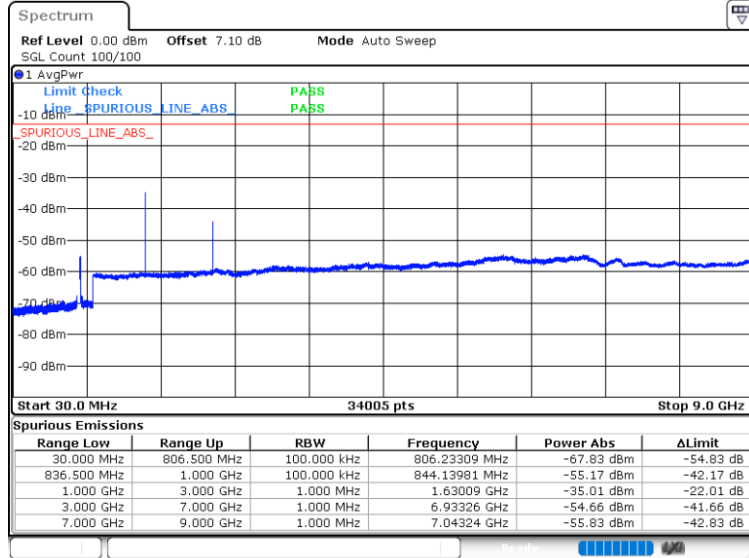


Date: 21.NOV.2025 02:48:24



LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 21.NOV.2025 02:50:22

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0098	PASS
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0117	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0111	
0	Normal Voltage	0.0068	
-10	Normal Voltage	0.0062	
-20	Normal Voltage	0.0107	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0089	

Note:

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0060	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0125	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0147	
-30	Normal Voltage	0.0155	
20	Maximum Voltage	0.0118	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0068	

Note:

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.



LTE Band 26_Part 90S

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.57	5.91	6.46	PASS

Mode	LTE Band 26 / 1.4MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.72	5.07	PASS
Mode	LTE Band 26 / 3MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.64	5.59	PASS
Mode	LTE Band 26 / 5MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.70	5.51	PASS
Mode	LTE Band 26 / 10MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.49	5.45	PASS