

TEST REPORT

Report Number: R16238088-E5C

Applicant : Samsung Electronics Co Ltd
129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, REP. OF KOREA

Model : SC-56G, SCG39

FCC ID : A3LSMF976JPN

EUT Description : GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII
a/b/g/n/ac/ax/be, UWB, WPT and NFC

Test Standard(s) : FCC 47 CFR PART 2, PART 27, PART 25
ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-130 ISSUE 2

Date Of Issue:
2026-06-03

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2026-05-13	Initial Review	Noah Bennett
V2	2026-05-28	TCB Feedback 1	Noah Bennett
V3	2026-06-01	Typo(s) resolved.	Noah Bennett
V4	2026-06-03	Added SCS to EUT description	B. Kiewra

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Samsung Electronics Co Ltd
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Rep. of Korea

EUT DESCRIPTION: GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, UWB,
WPT and NFC

SERIAL NUMBERS: ZAQ0548M, ZB30741M, ZBK0208M, ZBK0213M, ZBK0219M

SAMPLE RECEIVE DATE: 2026-03-09

DATE TESTED: 2026-03-09 to 2026-03-31

APPLICABLE STANDARDS STANDARD	TEST RESULTS
FCC 47 CFR PART 2, PART 22H, PART 24E, PART 27, PART 25 ISED RSS-GEN ISSUE 5 + A1 + A2, RSS132 ISSUE 4, RSS-133 ISSUE 7, RSS- 139 ISSUE 4	Complies

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.

Approved & Released
For UL LLC By:

Prepared By:



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UL LLC

2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact the validity of results. UL LLC is only responsible for correctly integrating customer-provided data with measurements performed by UL LLC.

Requirement Description	Band	Requirement Clause Number (FCC)	Requirement Clause Number (ISED)	Result	Remarks
Effective Radiated Power	12	27.50 (c) (10)	RSS130\$4.6.3	Complies	None.
	13	27.50 (b) (10)	RSS130\$4.6.3	Complies	None.
	71	27.50 (c) (10)	RSS130\$4.6.2	Complies	None.
Occupied Bandwidth	12, 13, 71	2.1049	RSS-GEN\$6.7 RSS130\$4.5	Complies	None.
Band Edge and Emission Mask	12, 13, 71	2.1051, 27.53 (g), 27.53 (c) (f)	RSS130\$4.7	Complies	None.
Out of Band Emissions	12, 13, 71	2.1051, 27.53 (g), 27.53 (c) (f)	RSS130\$4.7	Complies	None.
Frequency Stability	12, 13, 71	2.1055, 27.54	RSS130\$4.5	Complies	None.
Peak-to-Average Ratio	12, 13, 71	-	RSS130\$4.6.1	Complies	None.
Field Strength of Spurious Radiation	12, 13, 71	2.1053, 27.53 (g), 27.53 (c) (f)	RSS130\$4.7	Complies	None.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following.

FCC published lists of [measurement procedures](#) for compliance testing.

ISED published lists of [normative test standards and acceptable alternatives procedures](#).

- ANSI C63.26:2015
- FCC 47 CFR Part 2, Part 27, Part 25
- [FCC KDB 971168 D01](#): Power Meas License Digital Systems (ISED acceptable alternative procedure)
- [FCC KDB 971168 D02](#): Misc Rev Approv License Devices
- [FCC KDB 412172 D01](#): Determining ERP and EIRP
- [FCC KDB 273109 D02](#): Part 25 SCS and CMRS-Bands
- ISED RSS-Gen Issue 5 + A1 + A2, RSS-130 Issue 2

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, Certificate Number 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 2800 Suite Perimeter Park Dr. Suite B Morrisville, NC 27560, USA	US0067	27265	825374

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement Uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.52 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.24 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.37 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.17 dB
Occupied Channel Bandwidth	±0.39 %
Temperature	±0.9 °C
Supply voltages	±0.45 %
Time	±0.02 %

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, UWB, WPT and NFC.

The EUT supports the following LTE and 5G NR Bands and their antenna configurations:

Mode and Bands	Config 0	Config 1
LTE Band12	ANT A+C	-
LTE Band13		

This report applies data referencing from FCC ID: A3LSMF976U. The test data to validate data referencing is included in Test Report R16238088-E28

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.2

$$\text{ERP/EIRP} = P_{\text{Meas}} + G_T - L_C$$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

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

The EUT has different power levels for head use configuration and body use configuration. The tables below contain the highest of all configurations average conducted and peak EIRP/ERP output powers as follows:

LTE BAND 12

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
1.4	QPSK	699.7	715.3	16.70	0.047	1.102	1101.5	1M10G7W
3.0	16QAM	700.5	714.5	15.77	0.038	2.718	2717.8	2M72D7W
10.0	QPSK	704.0	711.0	16.48	0.044	8.995	8994.9	8M99G7W
	16QAM			15.68	0.037	8.986	8985.5	8M99D7W

LTE BAND 13

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
5.0	QPSK	779.5	784.5	19.38	0.087	4.527	4526.6	4M53G7W
	16QAM			18.71	0.074	4.515	4514.7	4M51D7W
10.0	QPSK	782.0	782.0	19.28	0.085	9.007	9007	9M01G7W
	16QAM			18.58	0.072	8.999	8999	9M00D7W

6.3. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- LTE Band 12,
- LTE Band 13

The worst-case scenario for all measurements is based upon an engineering evaluation made on conducted average power taken during pre-testing. The modulations with the highest output power were selected as worst-case. Conducted tests were performed on the worst-case antenna port per band. Full radiated Emissions Testing on each antenna was performed and reported.

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

LTE & 5G NR Bands	Worst-Case Antenna Port	Worst-Case Modulation
LTE Band 12 699 – 716 MHz	ANT A+C	LTE (QPSK)
LTE Band 13 777 – 787 MHz	ANT A+C	

The EUT was investigated in three orthogonal orientations X/Y/Z on both Low Band (Fundamental Below 1GHz) Mid Band (Fundamental between 1-3GHz) and High Band (Fundamental above 3GHz) over all antennas to find the worst-case orientation. Additionally, the EUT was investigated between 3 folding positions, Fully Open, Fully Closed, and Half Open. For Simultaneous Tx scans in which there are two or more F_c ranges with different worst-case orientations, scans were performed in the orientation with the highest output power, and sufficient margin was added to cover other orientations. The following are the worst-case orientations:

LTE & 5G NR Bands	Config 0 Orientation	Config 1 Orientation
Low Band ($F_c < 1\text{GHz}$)	X, Open	X, Open
Mid Band ($1\text{GHz} < F_c < 3\text{GHz}$)	-	-
High Band ($F_c > 3\text{GHz}$)	-	-

Worst Case emissions from 9kHz-30Mhz, 30-1000MHz, 18-26.5GHz, and 26.5GHz-40GHz were done on the modes with the highest pre-tuned conducted average power per antenna. No emissions within 20dB were observed.

6.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Power Adapter	Sony	XQZ-UC11-010-236-21	NA	NA

I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB-C	1	USB-C	Shielded	<3m	Phone to power adapter

TEST SETUP

The EUT was connected to a base station simulator and set to transmit at max power for LTE and 5G NR testing.

SETUP DIAGRAM

Please see R16238088-EP1c for Setup Diagrams and Setup Photos

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 4)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	0.009-30MHz				
8939	Passive Loop Antenna	EMCO	EM-6872	2024-11-18	2026-11-18
8940	Passive Loop Antenna	EMCO	EM-6871	2024-11-18	2026-11-18
	30-1000 MHz				
90628	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2026-02-09	2028-02-09
	1-18 GHz				
206211	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2024-04-09	2026-04-30
	18-40 GHz				
204704	Horn Antenna, 18-26.5GHz	Com Power	AH-826	2025-07-15	2027-07-15
204705	Horn Antenna, 26-40GHz	Com Power	AH-640	2025-11-19	2027-11-19
	Gain-Loss Chains				
207638	Gain-loss string: 0.009-30MHz	Various	Various	2025-06-13	2026-06-13
207639	Gain-loss string: 25-1000MHz	Various	Various	2025-06-13	2026-06-13
207640	Gain-loss string: 1-18GHz	Various	Various	2025-06-13	2026-06-13
225795	Gain-loss string: 18-40GHz	Various	Various	2025-06-13	2026-06-13
	Receiver & Software				
197954	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-04-21	2026-04-30
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
241204	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05
213025	Wideband Radio Communications Tester	Rohde and Schwarz	CMW500	N/A	N/A
208720	Wideband Radio Communications Tester	Rohde and Schwarz	CMW500	N/A	N/A
21725	Radio Communications Tester	Rohde and Schwarz	CMX500	N/A	N/A
212167	Wideband Radio Communications Tester	Anritsu	MT8821C	N/A	N/A
198917*	1GHz high-pass filter, 2W, Fhigh =18GHz	Micro-Tronics	HPM18129-02	2025-03-13	2026-03-31

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 2)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	1-18 GHz				
86408	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2025-07-15	2027-07-15
	Gain-Loss Chains				
91977	Gain-loss string: 1-18GHz	Various	Various	2025-05-31	2026-05-31
	Receiver & Software				
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-07-29	2026-07-29
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
239540	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05
213025	Wideband Radio Communications Tester	Rohde and Schwarz	CMW500	N/A	N/A
198917*	1GHz high-pass filter, 2W, Fhigh =18GHz	Micro-Tronics	HPM18129-02	2025-03-13	2026-03-31

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 1)

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	1-18 GHz				
88761	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2025-11-19	2027-11-19
	Gain-Loss Chains				
91979	Gain-loss string: 1-18GHz	Various	Various	2025-05-31	2026-05-31
	Receiver & Software				
206496	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-07-29	2026-07-29
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
241205	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05

Wireless Conducted Measurement Equipment.

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	Additional Equipment used				
90411	Spectrum Analyzer MY54490314	Keysight Technologies	N9030A	2026-03-03	2027-03-03
90416	Spectrum Analyzer MY54490254	Keysight Technologies	N9030A	2025-07-31	2026-07-31
212967	Wideband Radio Communications Tester 170733	Rohde and Schwarz	CMW500	2026-02-13	2027-02-13
212166	Wideband Radio Communications Tester	Anritsu	MT8000A	2026-02-23	2027-02-23
262469	Humidity and Temperature Probe	Control Company	15-077-963	2025-04-28	2026-04-30
211055	Real-Time Peak Power Sensor	Boonton	RTP5000	2025-07-30	2026-07-30

Test Equipment Used - Wireless Conducted Attenuators, Cables, and Couplers

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	Attenuators				
226569	2.92mm Coaxial 10dB Attenuator 40GHz	Fairview Microwave	SA4014-10	2025-09-02	2026-09-02
226554*	20dB Attenuator	CentricRF	C18S2-20	2025-03-19 2026-04-01	2026-03-31 2027-04-01
226552*	20dB Attenuator	CentricRF	C18S2-20	2025-03-19 2026-04-01	2026-03-31 2027-04-01
	Cables				
246257	SMA Cable	Huber + Suhner	104PEA	2025-09-05	2026-09-05
	Couplers				
238018*	Ultra-Wideband Directional Coupler 0.5-18GHz	Mini-Circuits	ZUDC10-183+	2025-04-48	2026-04-28

NOTES:

- * Testing is completed before equipment expiration date.
- **Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

8. CONDUCTED TEST RESULTS

8.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
ISED: RSS130§4.5

LIMITS

For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the middle channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

RESULTS

There is no limit required and power is the same for low, middle and high channel; therefore, only middle channel was tested.

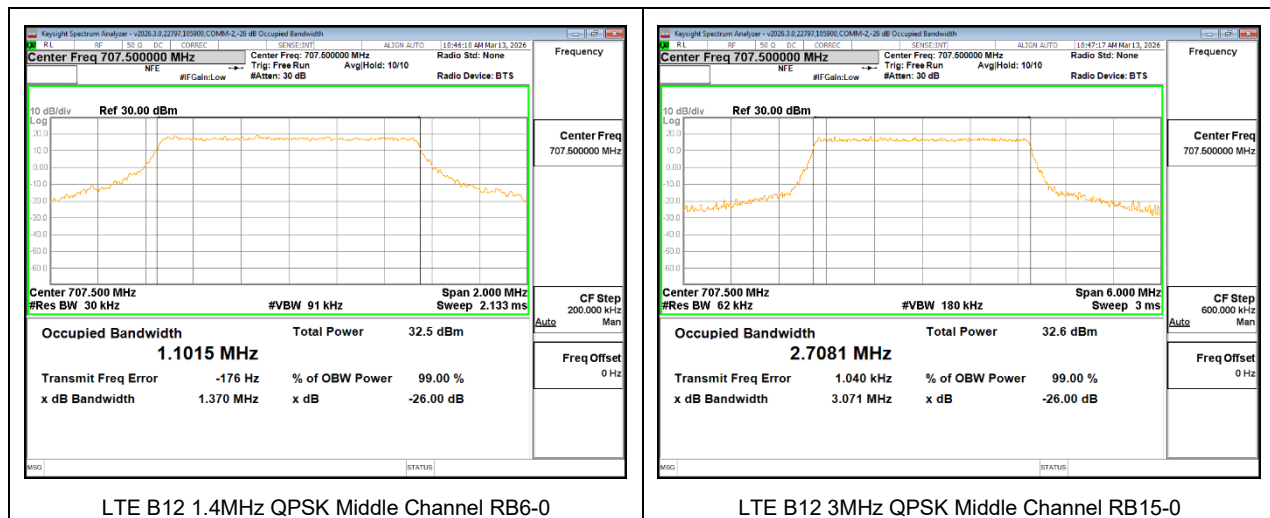
LTE BAND 12

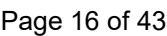
Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 12	1.4MHz, QPSK	6/0	707.5	1.1015	1.370
	1.4MHz, 16QAM			1.1070	1.421
	3MHz, QPSK	15/0		2.7081	3.071
	3MHz, 16QAM			2.7178	3.062
	5MHz, QPSK	25/0		4.5131	5.134
	5MHz, 16QAM			4.5118	5.129
	10MHz, QPSK	50/0		8.9949	10.01
	10MHz, 16QAM			8.9855	9.959
	10MHz, QPSK	1/0		0.23176	0.3915

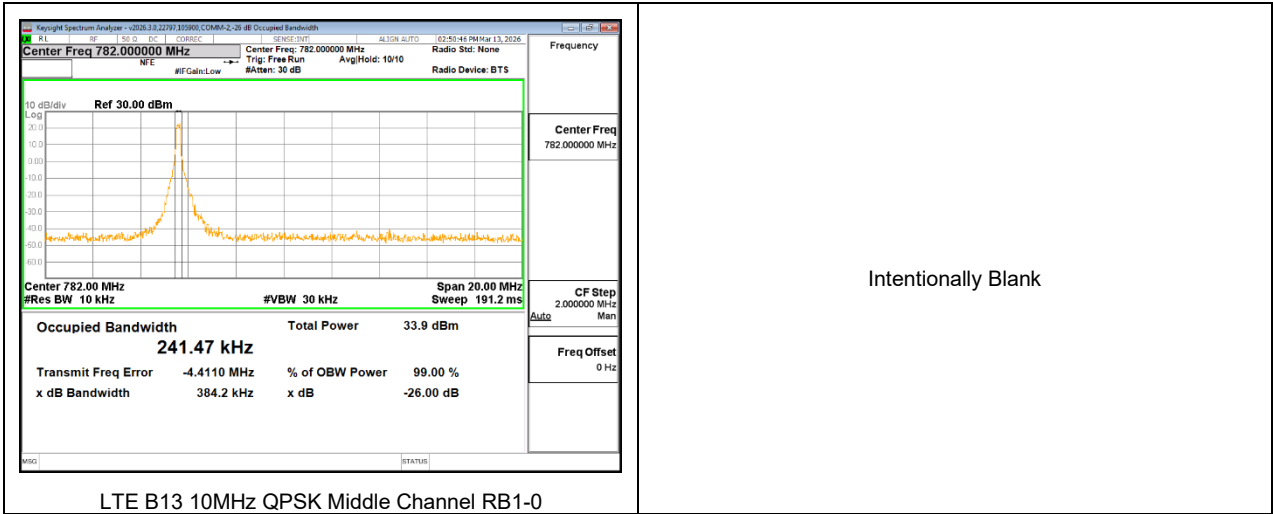
LTE BAND 13

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 13	5MHz, QPSK	25/0	782.0	4.5266	5.134
	5MHz, 16QAM			4.5147	5.173
	10MHz, QPSK	50/0		9.0074	10.01
	10MHz, 16QAM			8.9990	9.999
	10MHz, QPSK	1/0		0.24147	0.3842

8.1.1. LTE BAND 12







8.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS (BAND 12)

FCC: §27.53

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. 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.

ISED: RSS130§4.7

4.7.1 General unwanted emissions limits

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

LIMITS (BAND 13)

FCC: §27.53

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40dBm/MHz).

ISED: RSS130§4.7

4.7.1 General unwanted emissions limits

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (a) the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
 - i. $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and
 - ii. $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment
- (b) the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

TEST PROCEDURE

For Spectrum Emission Mask plots, the spectrum analyzer is configured to sweep with a moving integration window, the width of which can be adjusted to different sizes across the sweep. The window width is configured to be greater than or equal to the required reference bandwidth. The center frequencies of the integration window for the different integration windows was set such that the upper and lower edges of the windows are aligned with the transition points in the reference bandwidths. This is achieved by setting the start / stop frequencies of the window with an offset equal to the reference bandwidth / 2 from the transition point.

The transmitter output was connected to a base station simulator and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

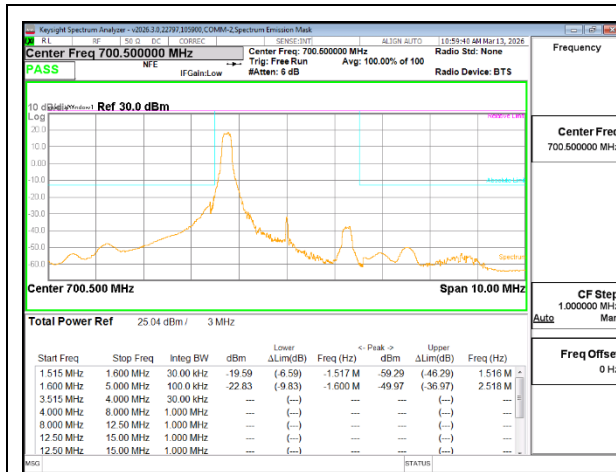
For each band edge measurement:

1. Set the spectrum analyzer span to include the block edge frequency.
2. Set a marker to point the corresponding band edge frequency in each test case.
3. Set display line at each different band's requirement limits
4. Set resolution bandwidth to at least 1% of emission bandwidth.

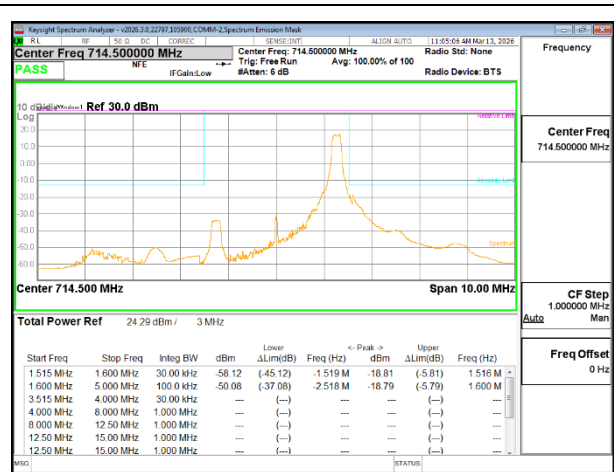
RESULTS

8.2.1. LTE BAND 12

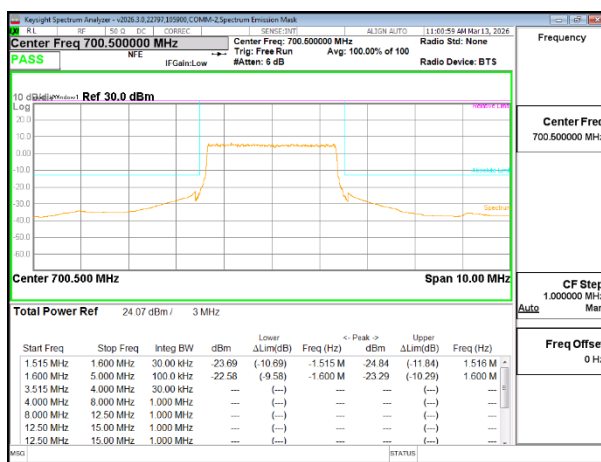




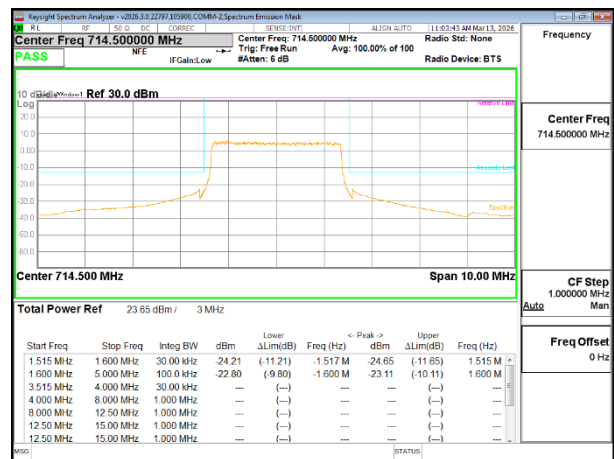
LTE B12 3MHz QPSK Low Channel RB1-0



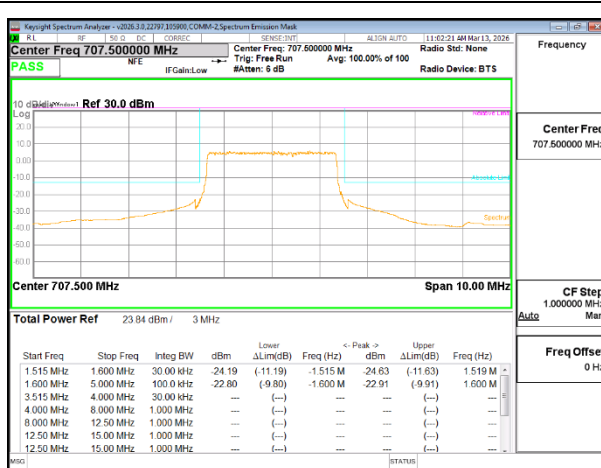
LTE B12 3MHz QPSK High Channel RB1-14



LTE B12 3MHz QPSK Low Channel RB15-0

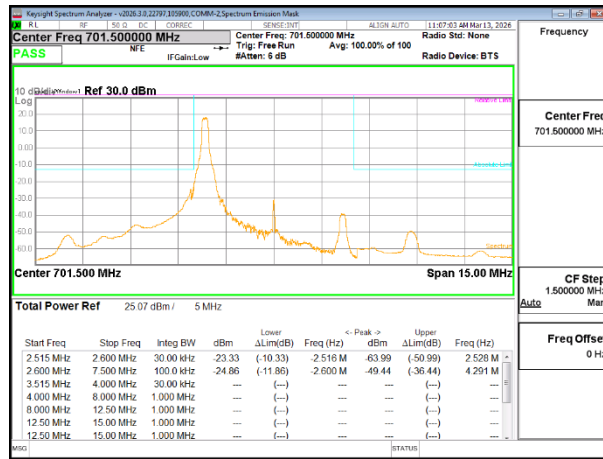


LTE B12 3MHz QPSK High Channel RB15-0

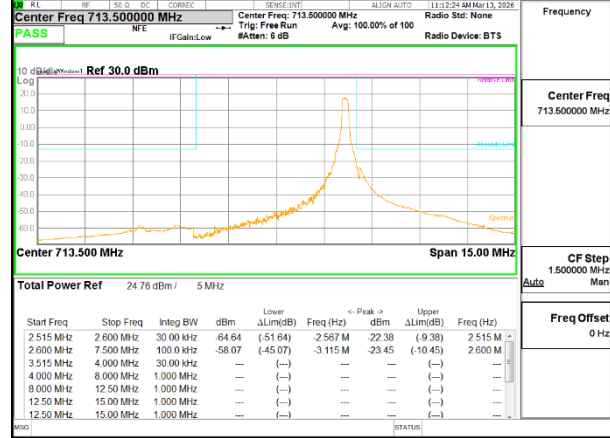


LTE B12 3MHz QPSK Mid Channel RB15-0

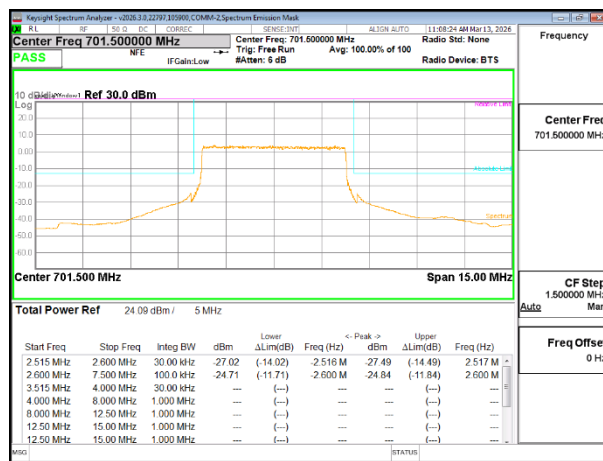
Intentionally Blank



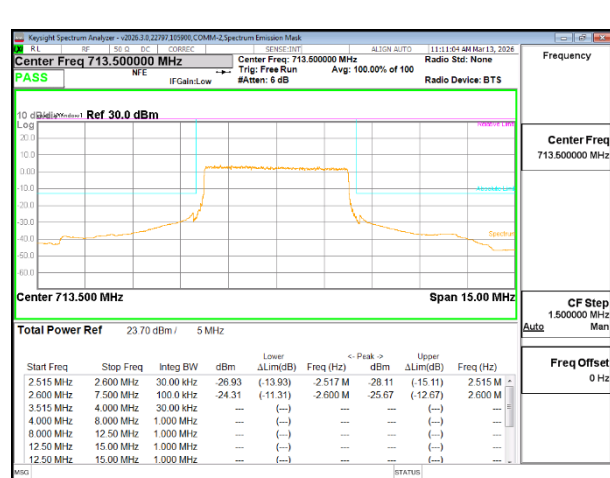
LTE B12 5MHz QPSK Low Channel RB1-0



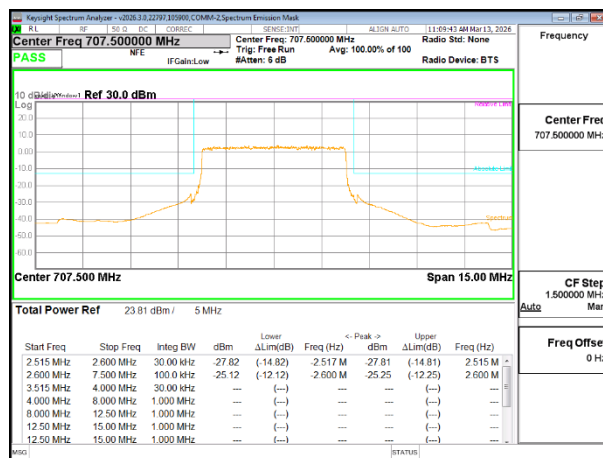
LTE B12 5MHz QPSK High Channel RB1-24



LTE B12 5MHz QPSK Low Channel RB25-0

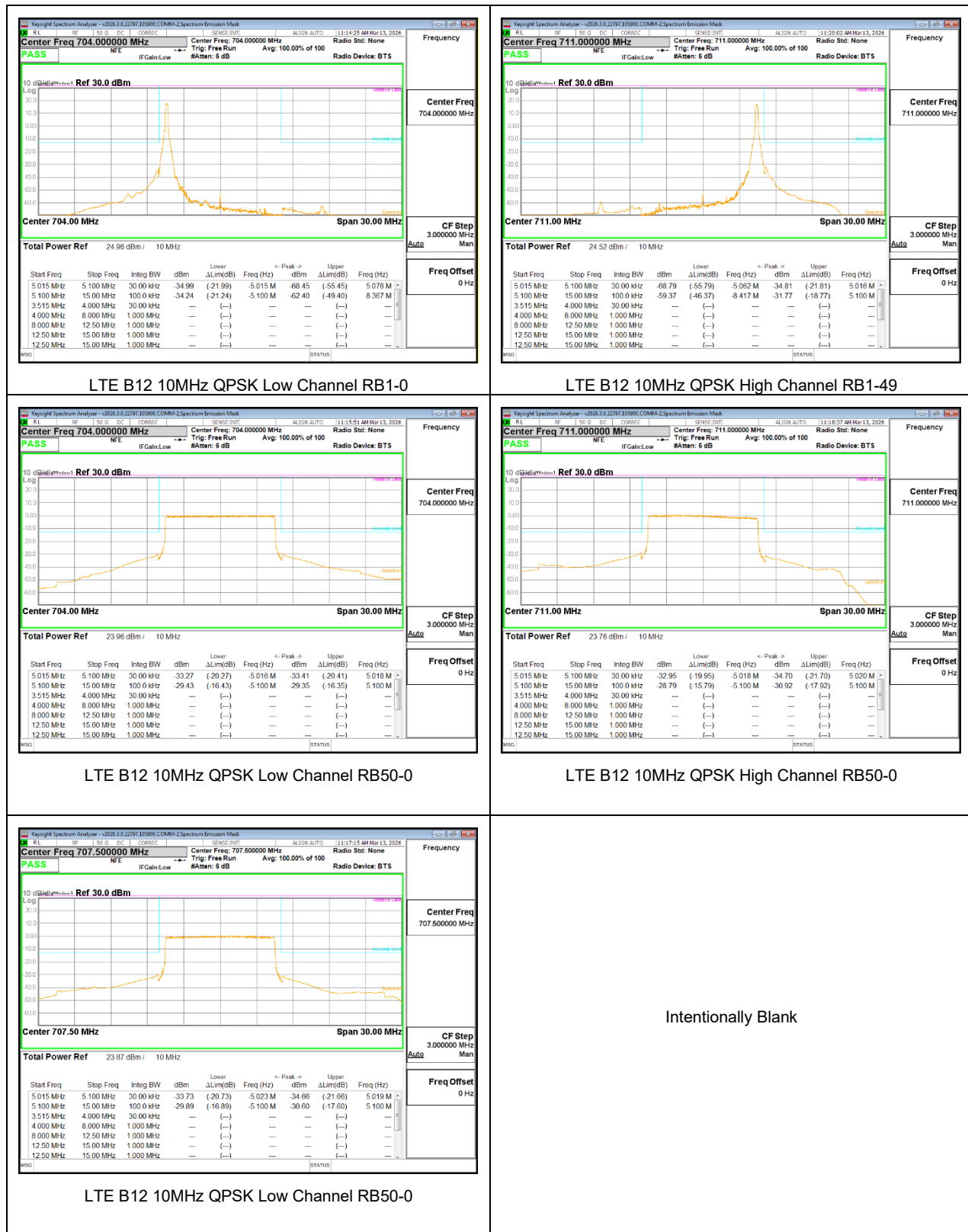


LTE B12 5MHz QPSK High Channel RB25-0



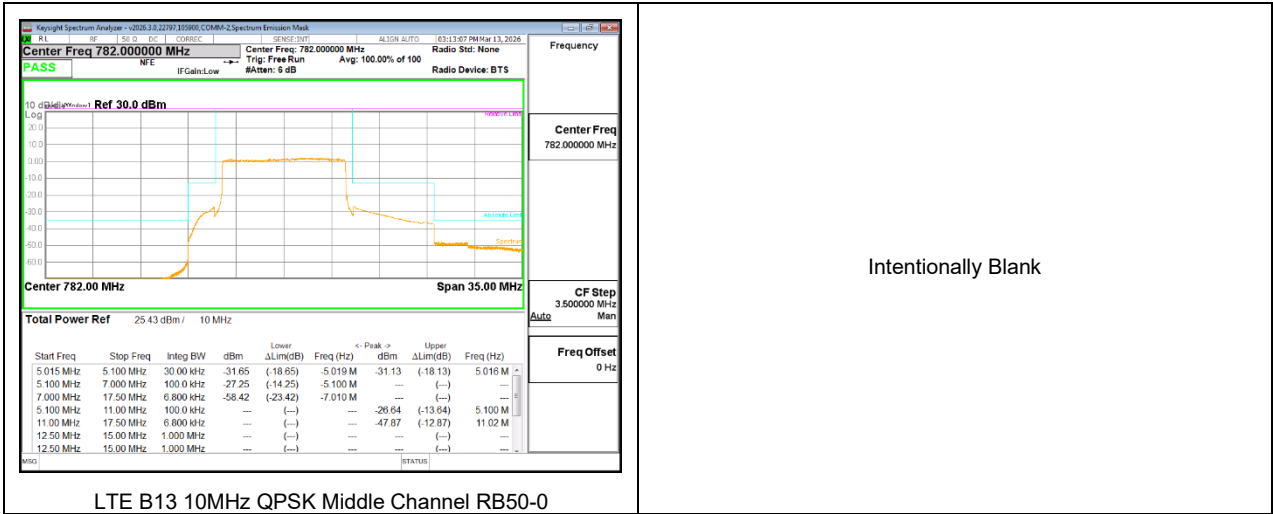
LTE B12 5MHz QPSK Low Channel RB25-0

Intentionally Blank



8.2.2. LTE BAND 13





8.3. OUT OF BAND EMISSIONS

LIMITS (BAND 12)

FCC: §27.53 (g)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

LIMITS (BAND 13)

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. 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.

Note: Radiated data in section 9.2.3 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

4.7.1 General unwanted emissions limits

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

(a) the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

- i. $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and
- ii. $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment

(b) the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

Note: Radiated data in section 9.2.3 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

TEST PROCEDURE

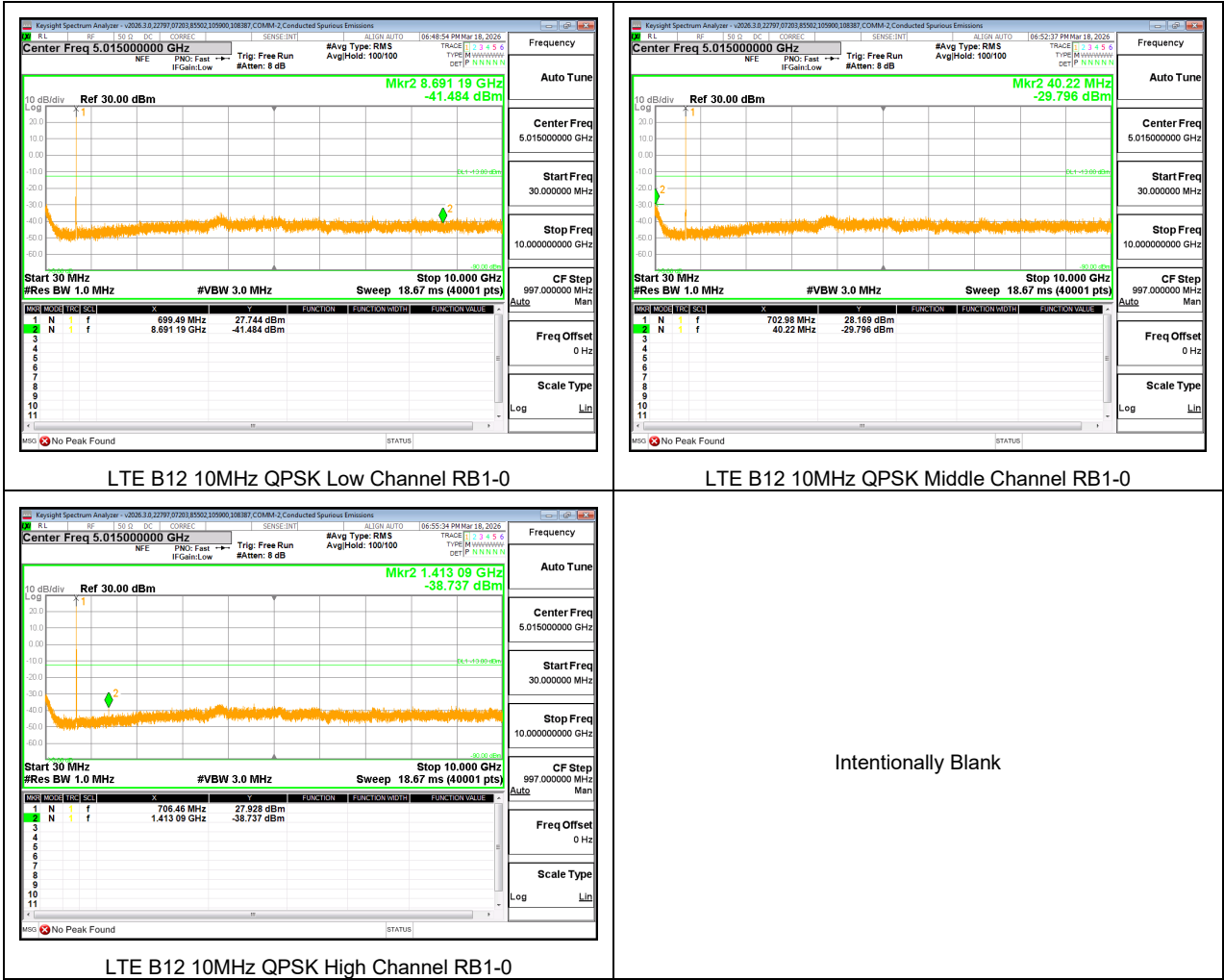
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

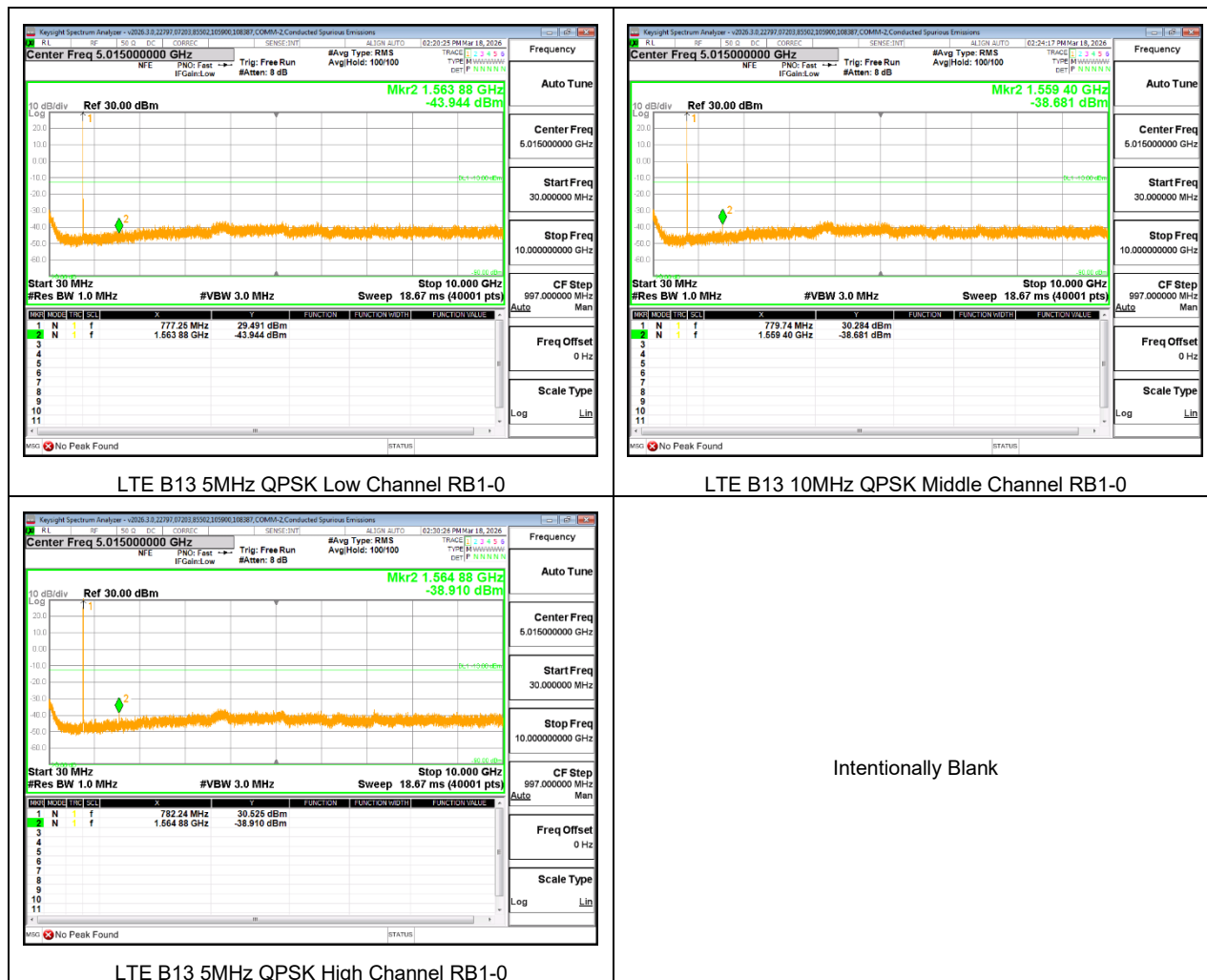
- Set display line at -13 dBm, -25 dBm and -40 dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

8.3.1. LTE BAND 12



8.3.2. LTE BAND 13



Note: Radiated data in section 9.1.6 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

8.4. FREQUENCY STABILITY

LIMITS

FCC: §27.54

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

ISED: RSS130§4.5

For equipment that is capable of transmitting numerous channels simultaneously for different applications (e.g. LTE and narrowband – Internet of Things (IoT)), the occupied bandwidth shall be the bandwidth representing the sum of the occupied bandwidths of these channels.

The frequency stability shall be sufficient to ensure that the occupied bandwidth remains within each frequency block range when tested at the temperature and supply voltage variations specified in RSS-Gen.

TEST PROCEDURE

Use base station simulator with Frequency Error measurement capability.

- Temp. = -30°C to +50°C
- Voltage = (85% - 100%)

Low voltage, 3.7VDC, Normal, 3.89VDC and High voltage, 4.45VDC.
End Voltage, 3.7VDC..

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

8.4.1. LTE BAND 12 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	105900	Test Date:	2026-03-05 and 2026-04-08
--------------------------	--------	-------------------	---------------------------

Band	12	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		699	716			
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	693.54	722.4675			
Extreme (50°C)		693.5400	722.4675	2.25	0.003	Yes
Extreme (40°C)		693.5400	722.4675	2.42	0.003	Yes
Extreme (30°C)		693.5400	722.4675	-2.42	-0.003	Yes
Extreme (10°C)		693.5400	722.4675	3.09	0.004	Yes
Extreme (0°C)		693.5400	722.4675	3.27	0.005	Yes
Extreme (-10°C)		693.5400	722.4675	3.82	0.005	Yes
Extreme (-20°C)		693.5400	722.4675	2.86	0.004	Yes
Extreme (-30°C)		693.5400	722.4675	4	0.006	Yes
20°C	End Point Voltage	693.5400	722.4675	-2.57	-0.004	Yes

8.4.2. LTE BAND 13 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	105900	Test Date:	2026-03-05 and 2026-04-08
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Band	13	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		777	787			
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	775.305	796.185			
Extreme (50°C)		775.3050	796.1850	1.73	0.002	Yes
Extreme (40°C)		775.3050	796.1850	3.69	0.005	Yes
Extreme (30°C)		775.3050	796.1850	3.56	0.005	Yes
Extreme (10°C)		775.3050	796.1850	2.71	0.003	Yes
Extreme (0°C)		775.3050	796.1850	4.3	0.005	Yes
Extreme (-10°C)		775.3050	796.1850	2.59	0.003	Yes
Extreme (-20°C)		775.3050	796.1850	5.62	0.007	Yes
Extreme (-30°C)		775.3050	796.1850	4.99	0.006	Yes
20°C	End Point Voltage	775.3050	796.1850	2.41	0.003	Yes

8.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

ISED: RSS130§4.6.1

The transmitter output power shall be measured in terms of average power. In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

Config 0 to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

TEST PROCEDURE

The EUT was connected to a Wideband Power Sensor to measure Peak and Average Output power.

8.5.1. LTE BAND 12

Test Engineer ID:	22797	Test Date:	2026-03-18
-------------------	-------	------------	------------

Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 12	1.4MHz	707.5	6	0	QPSK	28.39	23.80	4.59
					16QAM	28.54	22.88	5.66
	3MHz		15	0	QPSK	28.68	23.87	4.81
					16QAM	28.88	22.88	6.00
	5MHz		25	0	QPSK	28.83	23.87	4.96
					16QAM	28.99	22.88	6.11
	10MHz		50	0	QPSK	28.8	23.88	4.92
					16QAM	29.00	22.88	6.12

Duty Cycle Correction Factor (dB) = 0.00

Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor

8.5.2. LTE BAND 13

Test Engineer ID:	22797	Test Date:	2026-03-18
-------------------	-------	------------	------------

Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 13	5MHz	782.0	25	0	QPSK	30.81	25.47	5.34
					16QAM	31.18	24.48	6.70
	10MHz		50	0	QPSK	30.38	25.42	4.96
					16QAM	30.41	24.42	5.99

Duty Cycle Correction Factor (dB) = 0.00

Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor

9. RADIATED TEST RESULTS

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

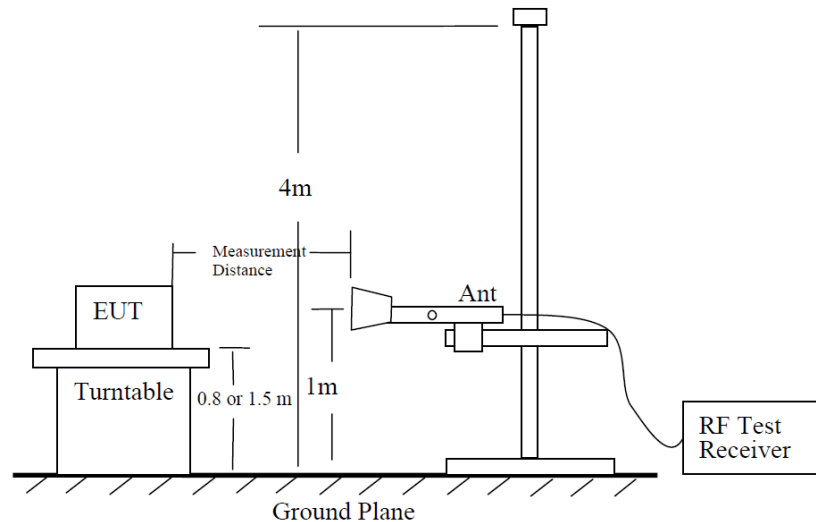


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8;$ where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8;$ where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

9.1. EFFECTIVE RADIATED POWER ERP/EIRP

RULE PART(S)

FCC: §2.1046, §27.50 (c) (b) (10)

RSS: 130§4.6.3, 130§4.6.2

LIMITS

27.50(c) - (10) Portable stations (hand-held devices) are limited to 3 watts ERP.

27.50(b) - (10) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

RSS: 130§4.6.2 The e.r.p. shall not exceed 3 watts for mobile equipment, fixed subscriber equipment and portable equipment.

RSS: 130§4.6.3 The e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13dB.

TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.2

For average power measurements:

- a) Set span to at least 1.5 times the OBW;
- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz;
- c) Set VBW $\geq 3 \times$ RBW;
- d) Set number of points in sweep $\geq 2 \times$ span / RBW;
- e) Sweep time = auto-couple;
- f) Detector = RMS (power averaging);
- g) Use free run trigger If burst duty cycle ≥ 98 ;
- h) Add a duty cycle correction factor ($10\log(DC)$) if burst duty cycle < 98 ;
- i) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- j) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function.

RESULTS

Note: results include a 2.15dB correction from ERP to EIRP.

9.1.1. LTE BAND 12

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	ERP (W)	ERPDUT (dBm)	Limit (dBm)	Margin (dB)
699.7	LTE12 / 1.4 MHz (ANT A+C)	RB1-0	QPSK	0.045	16.52	34.77	-18.25
707.5		RB1-3	QPSK	0.045	16.51	34.77	-18.26
715.3		RB1-5	QPSK	0.047	16.70	34.77	-18.07
699.7		RB1-0	16QAM	0.037	15.64	34.77	-19.13
707.5		RB1-3	16QAM	0.036	15.58	34.77	-19.19
715.3		RB1-5	16QAM	0.037	15.64	34.77	-19.13
700.5	LTE12 / 3 MHz (ANT A+C)	RB1-0	QPSK	0.046	16.61	34.77	-18.16
707.5		RB1-8	QPSK	0.045	16.57	34.77	-18.20
714.5		RB1-14	QPSK	0.044	16.46	34.77	-18.31
700.5		RB1-0	16QAM	0.032	15.10	34.77	-19.67
707.5		RB1-8	16QAM	0.038	15.77	34.77	-19.00
714.5		RB1-14	16QAM	0.037	15.66	34.77	-19.11
701.5	LTE12 / 5 MHz (ANT A+C)	RB1-0	QPSK	0.046	16.59	34.77	-18.18
707.5		RB1-12	QPSK	0.046	16.59	34.77	-18.18
713.5		RB1-24	QPSK	0.046	16.65	34.77	-18.12
701.5		RB1-0	16QAM	0.037	15.71	34.77	-19.06
707.5		RB1-12	16QAM	0.038	15.75	34.77	-19.02
713.5		RB1-24	16QAM	0.038	15.76	34.77	-19.01
704.0	LTE12 / 10 MHz (ANT A+C)	RB1-0	QPSK	0.039	15.86	34.77	-18.91
707.5		RB1-25	QPSK	0.044	16.44	34.77	-18.33
711.0		RB1-49	QPSK	0.044	16.48	34.77	-18.29
704.0		RB1-0	16QAM	0.032	15.06	34.77	-19.71
707.5		RB1-25	16QAM	0.037	15.65	34.77	-19.12
711.0		RB1-49	16QAM	0.037	15.68	34.77	-19.09

CONFIG 0

9.1.2. LTE BAND 13

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	ERP (W)	ERPDUT (dBm)	Limit (dBm)	Margin (dB)
779.5	LTE13 / 5 MHz (ANT A+C)	RB1-0	QPSK	0.086	19.32	34.77	-15.45
782.0		RB1-12	QPSK	0.087	19.38	34.77	-15.39
784.5		RB1-24	QPSK	0.086	19.33	34.77	-15.44
779.5		RB1-0	16QAM	0.073	18.63	34.77	-16.14
782.0		RB1-12	16QAM	0.074	18.71	34.77	-16.06
784.5		RB1-24	16QAM	0.074	18.69	34.77	-16.08
782.0	LTE13 / 10 MHz (ANT A+C)	RB1-0	QPSK	0.085	19.28	34.77	-15.49
782.0		RB1-25	QPSK	0.074	18.72	34.77	-16.05
782.0		RB1-49	QPSK	0.068	18.32	34.77	-16.45
782.0		RB1-0	16QAM	0.072	18.58	34.77	-16.19
782.0		RB1-25	16QAM	0.064	18.08	34.77	-16.69
782.0		RB1-49	16QAM	0.057	17.57	34.77	-17.20

CONFIG 0

9.2. FIELD STRENGTH OF SPURIOUS RADIATION,

LIMITS (BAND 12)

FCC: §27.53 (g)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

LIMITS (BAND 13)

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. 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.

Note: Radiated data in section 9.2.3 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

4.7.1 General unwanted emissions limits

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (c) the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

- iii. $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and
- iv. $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment

- (d) the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

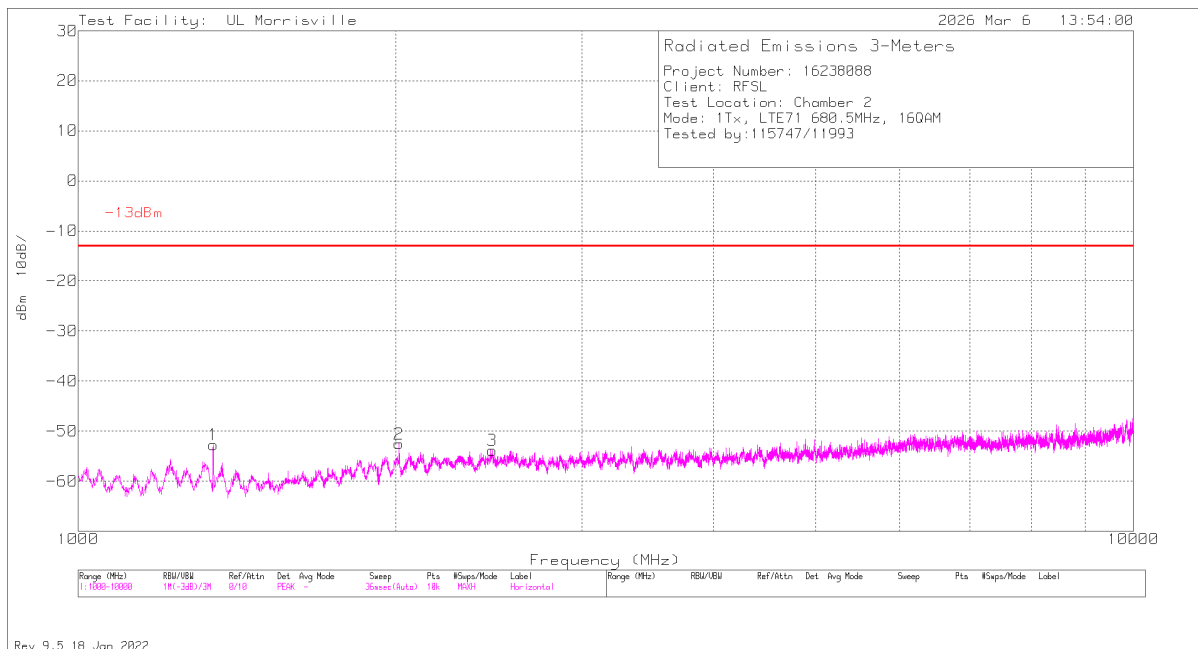
Note: Radiated data in section 9.2.3 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

TEST PROCEDURE

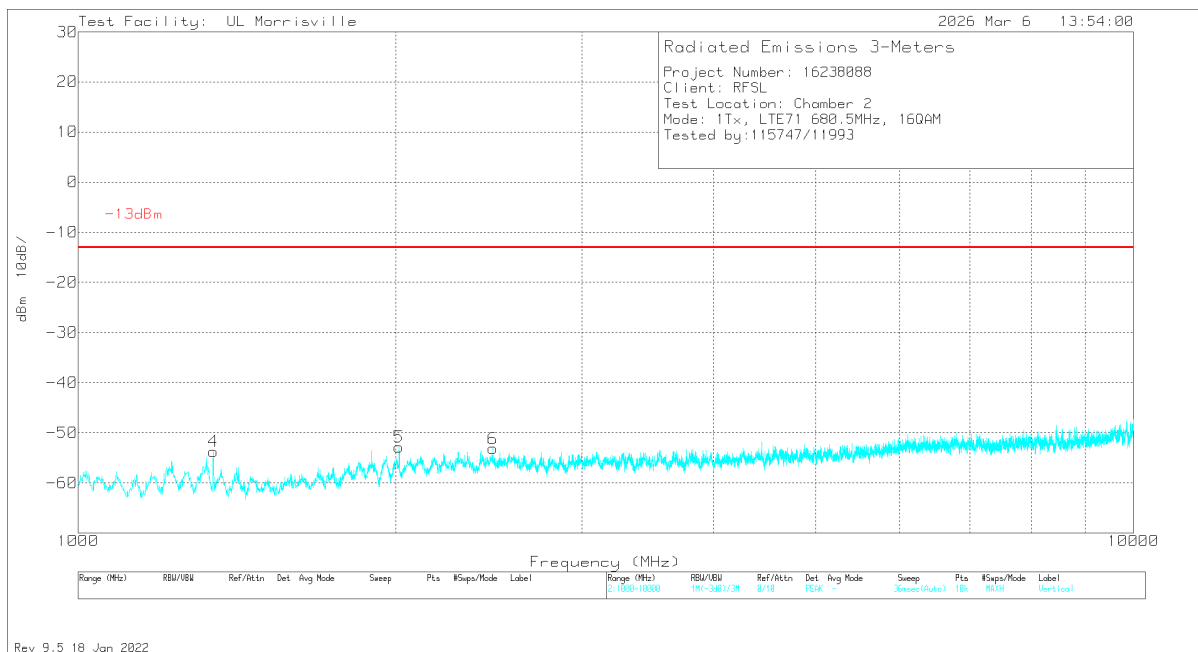
KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

Example Plot



Horizontal Polarity



Vertical Polarity

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	88761 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1342.9	-44.77	Pk	29	-49.4	.6	11.8	-52.77	-13	-39.77	0-360	101	H
4	1342.9	-45.73	Pk	29	-49.4	.6	11.8	-53.73	-13	-40.73	0-360	101	V
2	2014.3	-46.25	Pk	31.5	-50	.4	11.8	-52.55	-13	-39.55	0-360	300	H
5	2014.3	-46.56	Pk	31.5	-50	.4	11.8	-52.86	-13	-39.86	0-360	300	V
3	2467.9	-50.43	Pk	32.6	-48.1	.3	11.8	-53.83	-13	-40.83	0-360	101	H
6	2470.6	-49.97	Pk	32.7	-48	.3	11.8	-53.17	-13	-40.17	0-360	101	V

Pk - Peak detector

RESULTS

9.2.1. LTE BAND 12

LTE BAND 12 (QPSK 10.0MHZ BANDWIDTH, Config 0)

Project #:	16238088
Date:	2026-03-05
Test Engineer:	115752 / 11993
Configuration:	EUT Only
Mode	LTE 12 QPSK 10MHz
Chamber #:	Chamber 4

Frequency (MHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 704MHz										
1416.7	-37.8	Pk	28.6	-49.8	.5	11.8	-46.7	-13	-33.7	H
1416.7	-35.99	Pk	28.6	-49.8	.5	11.8	-44.89	-13	-31.89	V
2125	-42.81	Pk	31.9	-49.9	.5	11.8	-48.51	-13	-35.51	H
2125	-40.59	Pk	31.9	-49.9	.5	11.8	-46.29	-13	-33.29	V
7150.6	-54.46	Pk	35.5	-42.6	.3	11.8	-49.46	-13	-36.46	H
3167.2	-52.1	Pk	33.1	-45.9	.5	11.8	-52.6	-13	-39.6	V
Mid Channel, 707.5MHz										
1423	-42.82	Pk	28.6	-50.2	.5	11.8	-52.12	-13	-39.12	H
1423	-37.45	Pk	28.6	-50.2	.5	11.8	-46.75	-13	-33.75	V
2135.8	-43.47	Pk	31.9	-50.2	.5	11.8	-49.47	-13	-36.47	H
2135.8	-42.71	Pk	31.9	-50.2	.5	11.8	-48.71	-13	-35.71	V
4136.5	-51.71	Pk	33.5	-46.6	.3	11.8	-52.71	-13	-39.71	H
8351.2	-55.42	Pk	35.9	-42	.3	11.8	-49.42	-13	-36.42	V
High Channel, 711MHz										
1430.2	-44.14	Pk	28.5	-49.4	.5	11.8	-52.74	-13	-39.74	H
1430.2	-37.61	Pk	28.5	-49.4	.5	11.8	-46.21	-13	-33.21	V
1899.1	-45.51	Pk	30.9	-49.9	.3	11.8	-52.41	-13	-39.41	H
1895.5	-45.15	Pk	30.9	-49.7	.3	11.8	-51.85	-13	-38.85	V
2145.7	-46.46	Pk	32	-50.1	.5	11.8	-52.26	-13	-39.26	H
2145.7	-45.41	Pk	32	-50.1	.5	11.8	-51.21	-13	-38.21	V

9.2.2. LTE BAND 13

LTE BAND 13 (QPSK 10.0MHZ BANDWIDTH, Config 0)

Project #:	16238088
Date:	2026-03-10
Test Engineer:	85501
Configuration:	EUT Only
Mode	LTE 13 QPSK 10MHz
Chamber #:	Chamber 4

Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	-40dBm (WB limit)	Margin (dB)	-50dBm (NB limit)	Margin (dB)	Polarity
Mid Channel, 782MHz														
1.594	-63.08	Pk	28.3	-35.6	.6	11.8	-57.98	-13	-44.98	-40	-17.98	-50	-7.98	H
1.5922	-62.79	Pk	28.2	-35.6	.6	11.8	-57.79	-13	-44.79	-40	-17.79	-50	-7.79	V
3.2905	-62.67	Pk	32.9	-34.3	.4	11.8	-51.87	-13	-38.87	-	-	-	-	H
3.1663	-61.86	Pk	32.9	-34.5	.4	11.8	-51.26	-13	-38.26	-	-	-	-	V
7.1461	-66.15	Pk	35.5	-27.5	.5	11.8	-45.85	-13	-32.85	-	-	-	-	H
7.2055	-66.74	Pk	35.5	-27.6	.5	11.8	-46.54	-13	-33.54	-	-	-	-	V
9.5716	-65.68	Pk	36.7	-24.8	.6	11.8	-41.38	-13	-28.38	-	-	-	-	H
9.5851	-66.42	Pk	36.6	-24.6	.6	11.8	-42.02	-13	-29.02	-	-	-	-	V

* Emissions in the GPS band were wideband emissions therefore the -40dBm/MHz limit was used.

10. SETUP PHOTOS

Refer to R16238088-EP1c for setup photos.

END OF REPORT