

TEST REPORT

Report Number: 15982167-E23V2

Applicant : APPLE. INC
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A3473

Brand : APPLE

FCC ID : BCG-E9187A

IC : 579C-E9187A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 2, PART 24E, PART 25
ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-133 ISSUE 7

Date Of Issue:
2026-08-06

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Revision History

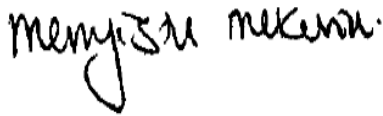
Rev.	Issue Date	Revisions	Revised By
V1	2026-07-20	Initial Review	--
V2	2026-08-06	Addressed TCB Feedback 1, 6.5	Andrew Le

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE. INC 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3473	
Brand	APPLE	
FCC ID	BCG-E9187A	
IC	579C-E9187A	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: VH3Y24HKJQ, FX0D40FQQV, GR9TF4VFJ9, CYDY0QT2XX CONDUCTED: HVHHPT000330001CCE, 000025, 000026, 000027, 000028, 000029	
Sample Receipt Date	2026-02-12	
Date Tested	2026-02-13 to 2026-06-28	
Applicable Standards	FCC 47 CFR PART 2, PART 24E, PART 25 ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-133 ISSUE 7	
Test Results	COMPLIES	
UL Verification Services Inc. 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 Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.		
Approved & Released By:	Reviewed By:	Prepared By:
		
Mengistu Mekuria Staff Engineer UL Solutions Inc.	Eric Ting Senior Test Engineer UL Solutions Inc.	Carlos Caudana Laboratory Engineer UL Verification Services Inc.

2. SUMMARY OF TEST RESULTS

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

Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.4)

Requirement Description	Requirement Clause Number (FCC)	Requirement Clause Number (ISED)	Result	Remarks
Equivalent Isotropic Radiated Power	24.232 (c)	RSS133§5.5	Complies	
Occupied Bandwidth	2.1049	RSS-GEN§6.7, RSS133	Complies	
Band Edge and Emission Mask	2.1051, 24.238 (a)	RSS133§5.6	Complies	
Out of Band Emissions	2.1051, 24.238 (a)	RSS133§5.6	Complies	
Frequency Stability	2.1055, 24.235	RSS133§5.4	Complies	
Peak-to-Average Ratio	24.232 (d)	RSS133§5.5	Complies	
Field Strength of Spurious Radiation	2.1053, 24.238 (a)	RSS133§5.6	Complies	

SUPPLEMENTAL COVERAGE FROM SPACE (SCS)

Under section § 25.109 (f) of the FCC rules Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24, and 27 of this chapter based on the operating frequency band. Section § 25.204 (g) specifies that earth stations providing SCS pursuant to §§ 25.125 and 25.115 shall comply with the power requirements and out-of-band emission limits corresponding to devices operating in parts 22, 24, or 27 of this chapter (e.g., §§ 22.913, 24.232, 27.50), as required for their operating frequencies. We have clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.

The table below identifies the SCS frequencies available for use and, for each band, the applicable FCC Part 22, 24, 27, and 90R technical requirements, the air interfaces supported by the device for SCS use.

The bands available for SCS and the bands supported by the devices in the scope of this report are:

Band	Frequency		Part 22/24/27/90 Rule parts	3GPP Band	Supported	Applicable to This Report
	DL (MHz)	UL (MHz)				
600 MHz	614 – 652	663 – 698	27.5 (c) 27.50 (c) 27.53 (g)	71/n71	Yes	No
700 MHz	729 – 746	699 – 716	27.5 (c) 27.50 (c) 27.53 (g)	12/n12 17	Yes	No
	746 – 756	777 – 787	27.5 (b) 27.50 (b) 27.53 (f)	13/n13	Yes	No
	758 – 769	788 – 799	90R ^{Note 1}	14 / n14	Yes	No
	805 – 806				No	No
800 MHz	869 – 894	824 – 849	22H	WCDMA 5 5/n5 26/n26	Yes	No
Broadband PCS	1930 – 1995	1850 – 1915	24E	WCDMA 2 2/n2 25/n25	Yes	Yes
Note 1: Clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.						

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
- ANSI/TIA-603-E (2016)
- FCC 47 CFR Part 2, Part 24E, 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-133 Issue 7

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, 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 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☒	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

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}
Conducted Antenna Port Emission Measurement	1.940 dB
Power Spectral Density	2.466 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using Power Meter	0.450 dB Ave. 1.300 dB Peak
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

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

Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, 5G NR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

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

PMeas = measured transmitter output power or PSD, in dBm or dBW;

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

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

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

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

LTE BAND 25

Part 24 / RSS 133									
EIRP Limit (W)		2.00							
Antenna Gain (dBi)		-0.90							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
1.4	QPSK	1850.7	1914.3	25.20	24.30	0.269	1.101	1101	1M10G7W
	16QAM			24.61	23.71	0.235	1.101	1101	1M10D7W
3.0	QPSK	1851.5	1913.5	25.20	24.30	0.269	2.717	2717	2M72G7W
	16QAM			24.74	23.84	0.242	2.715	2715	2M72D7W
5.0	QPSK	1852.5	1912.5	25.20	24.30	0.269	4.536	4536	4M54G7W
	16QAM			24.11	23.21	0.209	4.530	4530	4M53D7W
10.0	QPSK	1855.0	1910.0	25.20	24.30	0.269	9.012	9012	9M01G7W
	16QAM			24.67	23.77	0.238	9.001	9001	9M00D7W
15.0	QPSK	1857.5	1907.5	25.20	24.30	0.269	13.501	13501	13M5G7W
	16QAM			24.80	23.90	0.245	13.501	13501	13M5D7W
20.0	QPSK	1860.0	1905.0	25.20	24.30	0.269	18.008	18008	18M0G7W
	16QAM			24.70	23.80	0.240	18.000	18000	18M0D7W

5G NR n25

Part 24/ RSS 133									
EIRP Limit (W)		2.00							
Antenna Gain (dBi)		-0.90							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
5.0	BPSK	1852.5	1912.5	25.20	24.30	0.269	4.510	4510	4M51G7W
	QPSK			25.19	24.29	0.269	4.506	4506	4M51G7W
	16QAM			24.09	23.19	0.208	4.509	4509	4M51D7W
10.0	BPSK	1855.0	1910.0	25.20	24.30	0.269	9.006	9006	9M01G7W
	QPSK			25.18	24.28	0.268	8.992	8992	8M99G7W
	16QAM			24.15	23.25	0.211	8.996	8996	9M00D7W
15.0	BPSK	1857.5	1907.5	25.20	24.30	0.269	13.479	13479	13M5G7W
	QPSK			25.18	24.28	0.268	13.462	13462	13M5G7W
	16QAM			24.18	23.28	0.213	13.462	13462	13M5D7W
20.0	BPSK	1860.0	1905.0	25.20	24.30	0.269	17.982	17982	18M0G7W
	QPSK			25.15	24.25	0.266	17.937	17937	17M9G7W
	16QAM			24.15	23.25	0.211	17.935	17935	17M9D7W
25.0	BPSK	1862.5	1902.5	25.20	24.30	0.269	22.962	22962	23M0G7W
	QPSK			25.15	24.25	0.266	22.942	22942	22M9G7W
	16QAM			24.05	23.15	0.207	22.974	22974	23M0D7W
30.0	BPSK	1865.0	1900.0	25.20	24.30	0.269	28.692	28692	28M7G7W
	QPSK			25.18	24.28	0.268	28.675	28675	28M7G7W
	16QAM			24.13	23.23	0.210	28.692	28692	28M7D7W
35.0	BPSK	1867.5	1897.5	25.20	24.30	0.269	32.216	32216	32M2G7W
	QPSK			25.19	24.29	0.269	32.300	32300	32M3G7W
	16QAM			24.13	23.23	0.210	32.278	32278	32M3D7W
40.0	BPSK	1870.0	1895.0	25.20	24.30	0.269	38.732	38732	38M7G7W
	QPSK			25.18	24.28	0.268	38.717	38717	38M7G7W
	16QAM			24.15	23.25	0.211	38.679	38679	38M7D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 24A343.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

The antenna(s) gain/output power, as provided by the manufacturer are as follows:

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Conducted Output Power (dBm)	ERP/EIRP (dBm)
LTE Band 2 LTE Band 25	1850 - 1915	ANT14	-2.30	25.7	23.40
		ANT1	-2.70	24.7	22.00
		ANT3	-3.70	25.7	22.00
		ANT4	-0.90	25.2	24.30
5G NR n2 5G NR n25	1850 - 1915	ANT14	-2.30	25.7	23.40
		ANT1	-2.70	24.7	22.00
		ANT3	-3.70	25.7	22.00
		ANT4	-0.90	25.2	24.30

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- LTE Band 2, 5G NR n2
- LTE Band 25, 5G NR n25

LTE Band 2 and 5G NR n2 (1850-1910MHz) are covered by LTE Band 25 and 5G NR n25 respectively. Because they are the subset of LTE band 25 and 5G NR n25 with the same output power and supported bandwidths.

For 5G NRs, conducted spurious emission tests were conducted on wider bandwidth with inner 1RB since this is the worst bandwidth and the highest output power.

BPSK modulation applied only for 5G NR frequencies and has the same tune up power as QPSK modulations.

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

The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and BPSK were observed as the worst mode to LTE bands and 5G NR bands respectively and set for all conducted and radiated. Output power measurements were measured on BPSK, QPSK, 16QAM, 64QAM, and 256QAM modulations. For testing purposes emissions on section 9 were measured while QPSK/BPSK was set at or above target power for all bands. Conducted tests were performed on the worst-case antenna port because it has the highest conducted power. The worst-case antenna port is shown in the table below.

LTE and 5G NR Bands	Worst case Antenna Port
LTE Band 25 and 5G NR n25	Ant 14

The EUT was investigated in three orthogonal orientations X/Y/Z on all available antennas to determine the worst-case orientation. The following table exhibits the worst-case orientation. The full tests of the EUT have made upon the orientations that shown in the table below.

Frequency Range	ANT14	ANT1	ANT3	ANT4
1710 – 1915 MHz	Y	X	X	Y

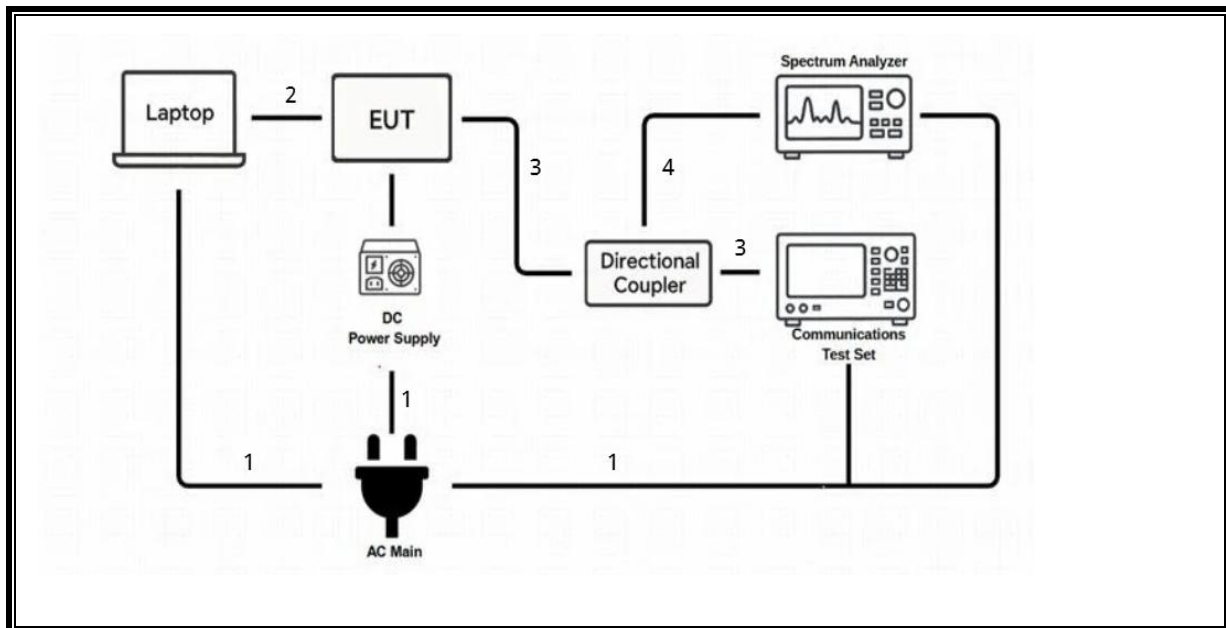
Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 1GHz and above 18GHz.

For simultaneous transmission of multiple channels in the WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies and widest operation bandwidths. No noticeable new emission was found.

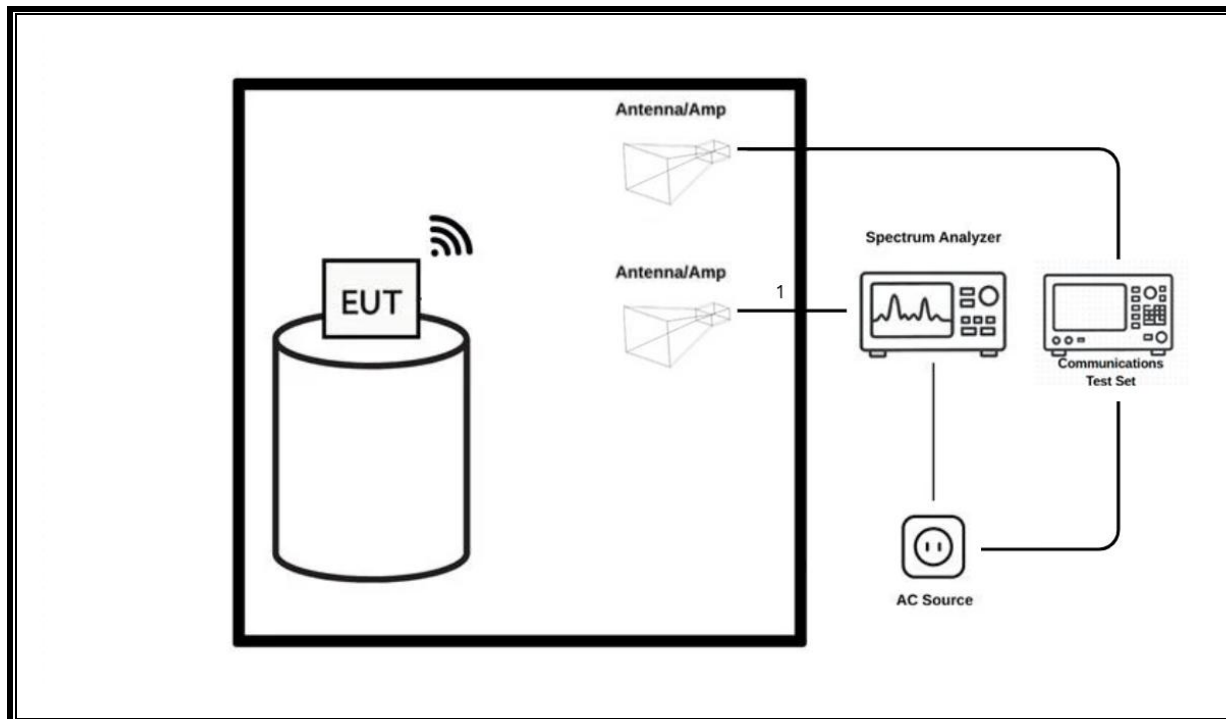
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number	FCC ID/ DoC	
Laptop		Apple	MacBook Pro	F5JJ42D7R9	BCGA1708	
Laptop		Apple	MacBook Pro	C2QML00JF69Y	BCGA2338	
Laptop		Apple	MacBook Pro	HRP044691	BCGA2338	
Laptop		Apple	MacBook Pro	MC67C33HGL	BCGA2338	
Laptop		Apple	MacBook Pro	YWCT4V933R	BCGA2338	
Laptop		Apple	MacBook Pro	HRP127004	BCGA2338	
AC/DC adapter		Apple	A1718	C4H64450HH3GN8RA6	--	
AC/DC adapter		Apple	A2130	F16H69002MD000000P	--	
AC/DC adapter		Apple	A1555 P	XQ76XLCJ2D	--	
I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	3	US 115V	Un-shielded	2.0	N/A
2	USB	1	DC	Shielded	1.0	N/A
3	RF In/Out	2	SMA	Shielded	0.9	N/A
4	RF In/Out	1	Barrel	Shielded	N/A	N/A
I/O CABLES (RF RADIATED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	RF In/Out	1	SMA	Shielded	5.0	N/A

CONDUCTED SETUP



RADIATED SETUP



7. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset	Cal Due
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	222796	2027-03-03
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169933	2027-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	80402	2027-07-31
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	231874	2027-01-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	2027-02-27
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	231875	2026-12-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	223084	2026-12-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	174374	2027-06-30
Amplifier 9 kHz - 1 GHz	SONOMA INSTRUMENT	310N	224490	2026-05-06
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2026-09-30
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2026-09-30
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199659	2028-05-31
*Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	220194	2026-04-29
Antenna, Horn 26.5-40GHz	A.R.A.	MWH-2640/B	199661	2028-05-31
*Link File, RF Amplifier Assembly, 26.5-40GHz, 65dB Gain	Amplical	AMP26G40-65	220193	2026-04-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169937	2027-05-31
Antenna, Horn 1-18GHz	ETS Lindgren	84797	80402	2026-10-31
RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	225079	2027-05-31
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	230878	2028-05-31
Antenna, Horn 1-18GHz	ETS Lindgren	84797	200897	2027-03-18
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	2027-05-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	272589	2026-10-03
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231739	2027-01-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	276680	2027-01-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	272595	2026-11-30
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230298	2027-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230295	2027-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262742	2027-02-11
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262741	2027-02-11
Conducted Switch Box	N/A	CSB	245778	2026-10-31
Conducted Switch Box	N/A	CSB	262354	2026-10-31
Filter, BRF 3400-3800MHz, 18GHz max	Micro-Tronics	BRM50711	217364	2026-11-24
Filter, BRF 2305-2315	Micro-Tronics	BRC20553	224186	2026-06-29
Directional Coupler	KRYTAR	152610	254457	2026-09-04
Directional Coupler	KRYTAR	101040010K	254458	2026-09-04
*Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	89097	2026-05-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Antenna Port	Ver.2022.8.16	
Conducted Software	UL	Station Tool	Ver. 12.2, 2.0, 5.0, 6.0	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

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. RF OUTPUT POWER MEASUREMENTS

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

All bands conducted average power is obtained from the base station simulator.

The following tests were conducted according to the test requirements outlined in ANSI C63.26 Section 5.2.

RESULTS

The EUT has different power levels for head use configuration and body use configuration. All measurements are made with the device operating at the highest average conducted output powers.

8.1. LTE BAND 25

Test Engineer ID:	19210	Test Date:	2026-03-09
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OUTPUT POWER FOR LTE BAND 25 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				26047	26365	26683	26047	26365	26683	26047	26365	26683	26047	26365	26683
1.4	QPSK	1	0	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3
		1	2	25.70	25.65	25.57	24.53	24.67	24.54	25.60	24.64	25.35	24.99	25.11	25.11
		1	2	25.64	25.63	25.64	24.63	24.70	24.55	25.70	24.60	25.37	24.94	25.12	25.20
		1	5	25.58	25.66	25.57	24.53	24.65	24.49	25.64	24.70	25.29	24.94	25.07	25.11
		3	0	25.63	25.63	25.65	24.54	24.68	24.55	25.63	24.62	25.37	24.95	25.10	25.07
		3	1	25.62	25.59	25.68	24.56	24.69	24.55	25.61	24.60	25.41	24.96	25.11	25.12
	16QAM	3	2	25.59	25.56	25.58	24.58	24.66	24.56	25.64	24.60	25.32	24.96	25.13	25.10
		6	0	25.47	25.44	25.51	23.60	23.73	23.64	25.48	24.45	25.16	24.31	24.47	24.45
		1	0	25.58	25.59	25.57	23.70	23.77	23.86	25.64	24.67	25.42	24.38	24.53	24.60
		1	2	25.66	25.70	25.72	23.73	23.93	23.73	25.61	24.63	25.37	24.48	24.60	24.61
		1	5	25.66	25.55	25.66	23.68	23.82	23.69	25.53	24.60	25.38	24.36	24.58	24.56
		3	0	25.67	25.54	25.55	23.69	23.82	23.77	25.53	24.52	25.37	24.40	24.58	24.58
	64QAM	3	1	25.55	25.57	25.57	23.70	23.81	23.79	25.59	24.64	25.41	24.47	24.56	24.61
		3	2	25.58	25.50	25.51	23.72	23.83	23.72	25.55	24.59	25.32	24.41	24.54	24.57
		6	0	24.49	24.48	24.52	22.72	22.81	22.68	24.53	23.54	24.32	23.34	23.53	23.53
		1	0	24.69	24.70	24.70	22.65	22.97	22.87	24.73	23.70	24.47	23.57	23.65	23.62
		1	2	24.69	24.72	24.74	22.83	23.00	22.83	24.80	23.69	24.41	23.60	23.68	23.78
		1	5	24.66	24.62	24.59	22.81	22.92	22.96	24.79	23.69	24.41	23.52	23.61	23.68
	256QAM	3	0	24.60	24.54	24.60	22.77	22.88	22.76	24.74	23.65	24.44	23.50	23.61	23.63
		3	1	24.65	24.57	24.62	22.76	22.88	22.85	24.72	23.74	24.48	23.53	23.62	23.69
		3	2	24.61	24.58	24.61	22.82	22.95	22.84	24.75	23.68	24.44	23.49	23.55	23.66
		6	0	23.52	23.47	23.52	21.64	21.80	21.66	23.60	22.58	23.29	22.36	22.56	22.52
		1	0	21.65	21.54	21.61	19.68	19.75	19.83	21.78	20.60	21.56	20.44	20.62	20.63
		1	2	21.67	21.65	21.60	19.76	19.87	19.78	21.80	20.76	21.44	20.55	20.63	20.62
		1	5	21.64	21.56	21.58	19.79	19.81	19.90	21.66	20.63	21.37	20.50	20.63	20.63
		3	0	21.62	21.55	21.66	19.66	19.95	19.85	21.59	20.65	21.41	20.45	20.66	20.61
		3	1	21.62	21.56	21.62	19.69	19.92	19.84	21.61	20.70	21.40	20.55	20.58	20.61
		3	2	21.55	21.61	21.65	19.72	19.86	19.80	21.67	20.66	21.39	20.54	20.64	20.61
		6	0	21.51	21.52	21.52	19.61	19.83	19.66	21.61	20.61	21.29	20.40	20.54	20.54

OUTPUT POWER FOR LTE BAND 25 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				26055	26365	26675	26055	26365	26675	26055	26365	26675	26055	26365	26675
3.0	QPSK	1	0	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5
		1	7	25.60	25.44	25.56	24.44	24.57	24.42	25.53	24.50	25.37	24.95	25.08	25.08
		1	14	25.70	25.58	25.69	24.56	24.70	24.54	25.70	24.61	25.39	25.01	25.16	25.20
		8	0	25.56	25.47	25.53	24.40	24.59	24.43	25.59	24.52	25.21	24.91	24.96	25.10
		8	4	25.51	25.43	25.51	23.51	23.63	23.48	25.45	24.44	25.21	24.35	24.51	24.46
		8	4	25.51	25.45	25.51	23.58	23.72	23.51	25.52	24.48	25.15	24.33	24.49	24.57
	16QAM	8	7	25.49	25.45	25.51	23.52	23.67	23.56	25.52	24.45	25.11	24.30	24.45	24.51
		15	0	25.46	25.44	25.47	23.52	23.59	23.51	25.48	24.40	25.11	24.32	24.48	24.51
		1	0	25.54	25.53	25.44	23.52	23.80	23.59	25.52	24.47	25.36	24.36	24.45	24.44
		1	7	25.67	25.61	25.69	23.73	23.95	23.73	25.61	24.64	25.31	24.45	24.64	24.74
		1	14	25.63	25.54	25.45	23.60	23.76	23.57	25.59	24.45	25.22	24.34	24.42	24.54
		8	0	24.54	24.54	24.58	22.55	22.69	22.53	24.48	23.43	24.18	23.40	23.52	23.50
	64QAM	8	4	24.59	24.53	24.53	22.58	22.75	22.53	24.56	23.44	24.19	23.40	23.50	23.60
		8	7	24.55	24.47	24.50	22.55	22.69	22.60	24.55	23.41	24.17	23.36	23.46	23.56
		15	0	24.51	24.48	24.48	22.54	22.62	22.52	24.46	23.40	24.16	23.35	23.48	23.55
		1	0	24.57	24.52	24.55	22.61	22.75	22.55	24.40	23.47	24.35	23.44	23.55	23.67
		1	7	24.78	24.70	24.60	22.80	22.91	22.75	24.64	23.68	24.39	23.47	23.60	23.84
		1	14	24.48	24.43	24.54	22.61	22.71	22.59	24.51	23.44	24.15	23.42	23.43	23.60
	256QAM	8	0	23.55	23.52	23.52	21.57	21.68	21.57	23.52	22.46	23.20	22.39	22.55	22.48
		8	4	23.53	23.53	23.53	21.61	21.78	21.53	23.55	22.47	23.24	22.40	22.56	22.58
		8	7	23.54	23.50	23.55	21.59	21.72	21.61	23.51	22.44	23.24	22.42	22.52	22.55
		15	0	23.54	23.47	23.54	21.54	21.65	21.53	23.47	22.50	23.16	22.39	22.47	22.53
		1	0	21.56	21.51	21.59	19.54	19.52	19.54	21.41	20.49	21.20	20.40	20.47	20.48
		1	7	21.63	21.65	21.69	19.61	19.86	19.70	21.70	20.63	21.42	20.49	20.65	20.65
		1	14	21.46	21.40	21.45	19.50	19.76	19.59	21.49	20.42	21.17	20.45	20.50	20.57
		8	0	21.53	21.50	21.53	19.54	19.65	19.54	21.52	20.45	21.21	20.37	20.53	20.50
		8	4	21.60	21.51	21.54	19.57	19.80	19.50	21.49	20.49	21.17	20.37	20.49	20.62
		8	7	21.40	21.42	21.47	19.51	19.73	19.56	21.49	20.45	21.17	20.37	20.47	20.52
		15	0	21.36	21.45	21.51	19.54	19.64	19.47	21.48	20.39	21.15	20.34	20.50	20.54

OUTPUT POWER FOR LTE BAND 25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				26065	26365	26665	26065	26365	26665	26065	26365	26665	26065	26365	26665
5.0	QPSK	1	0	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
		1	12	25.06	24.93	25.15	24.04	23.92	24.11	25.01	25.13	24.90	24.43	24.44	24.68
		1	24	25.03	25.15	25.04	23.91	24.12	23.92	24.93	25.00	25.08	24.44	24.49	24.62
		12	0	25.03	25.10	25.02	23.91	24.16	24.00	25.02	24.99	25.13	24.55	24.50	24.41
		12	6	25.70	25.66	25.69	24.48	24.51	24.38	25.70	25.30	25.67	25.20	25.18	25.19
		12	11	25.66	25.67	25.68	24.48	24.70	24.45	25.67	25.35	25.68	25.16	25.19	25.18
	16QAM	12	11	25.69	25.69	25.66	24.44	24.55	24.42	25.67	25.28	25.66	25.17	25.18	25.16
		25	0	24.62	24.64	24.66	23.66	23.42	23.41	24.52	24.52	24.55	24.12	23.96	24.16
		1	0	24.17	23.92	24.17	23.04	23.11	23.18	24.02	23.92	24.13	23.66	23.45	23.53
		1	12	24.17	24.17	24.01	23.06	22.99	23.16	23.95	23.93	24.03	23.56	23.40	23.51
		1	24	24.17	24.16	23.91	22.91	22.94	22.92	24.01	24.15	24.03	23.53	23.58	23.68
		12	0	24.61	24.62	24.45	23.51	23.62	23.44	24.56	24.33	24.50	24.05	23.99	23.97
	64QAM	12	6	24.67	24.61	24.56	23.52	23.55	23.47	24.50	24.39	24.54	24.04	24.05	23.93
		12	11	24.65	24.51	24.60	23.45	23.60	23.45	24.49	24.40	24.60	24.08	23.93	24.11
		25	0	23.43	23.43	23.42	22.48	22.59	22.41	23.56	23.40	23.52	22.96	23.11	23.10
		1	0	22.99	23.05	23.10	22.04	22.16	22.10	23.17	23.10	22.97	22.67	22.62	22.64
		1	12	23.03	23.06	23.07	22.06	22.17	22.13	23.09	22.98	22.97	22.63	22.44	22.67
		1	24	22.91	23.07	23.08	22.00	21.94	21.92	23.08	23.16	23.08	22.56	22.65	22.56
	256QAM	12	0	23.43	23.42	23.58	22.49	22.55	22.45	23.41	23.34	23.66	23.05	23.18	23.10
		12	6	23.51	23.51	23.49	22.48	22.61	22.47	23.66	23.45	23.58	23.13	22.96	23.10
		12	11	23.42	23.42	23.46	22.47	22.57	22.45	23.64	23.41	23.41	23.13	23.14	23.13
		25	0	22.53	22.66	22.68	21.68	21.55	21.58	22.66	22.40	22.58	22.15	22.05	22.00
		1	0	19.92	20.05	20.11	19.09	18.96	18.91	20.14	19.94	20.00	19.46	19.51	19.61
		1	12	20.17	19.94	20.05	19.08	18.98	18.93	20.11	20.00	20.11	19.58	19.47	19.62
	256QAM	1	24	19.94	19.96	20.07	18.92	19.11	19.05	19.95	20.10	20.14	19.59	19.61	19.64
		12	0	20.48	20.41	20.61	19.62	19.58	19.46	20.47	20.55	20.67	20.00	20.00	20.11
		12	6	20.55	20.57	20.62	19.56	19.56	19.47	20.61	20.56	20.67	20.15	20.10	19.93
		12	11	20.52	20.47	20.61	19.54	19.48	19.67	20.44	20.59	20.57	19.97	20.01	20.14
		25	0	20.57	20.56	20.44	19.67	19.41	19.42	20.67	20.60	20.42	20.15	19.99	20.15

OUTPUT POWER FOR LTE BAND 25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				26090	26365	26640	26090	26365	26640	26090	26365	26640	26090	26365	26640
10.0	QPSK	1	0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
		1	24	25.70	25.59	25.62	24.55	24.70	24.62	25.70	24.64	25.61	25.04	25.20	25.10
		1	49	25.52	25.48	25.54	24.49	24.63	24.56	25.61	24.65	25.44	25.02	25.01	25.14
		25	0	25.44	25.31	25.38	23.62	23.70	23.59	25.50	24.39	25.35	24.35	24.43	24.39
		25	12	25.51	25.39	25.38	23.61	23.71	23.68	25.61	24.42	25.41	24.38	24.46	24.39
		25	24	25.44	25.38	25.47	23.63	23.76	23.63	25.56	24.43	25.28	24.43	24.49	24.48
	16QAM	50	0	25.44	25.37	25.36	23.59	23.66	23.62	25.54	24.43	25.35	24.36	24.44	24.40
		1	0	25.43	25.37	25.52	23.65	23.79	23.71	25.50	24.57	25.55	24.44	24.53	24.51
		1	24	25.67	25.61	25.69	23.70	23.90	23.93	25.61	24.69	25.48	24.46	24.66	24.67
		1	49	25.48	25.42	25.52	23.84	23.72	23.80	25.54	24.53	25.30	24.38	24.46	24.59
		25	0	24.46	24.33	24.39	22.69	22.70	22.60	24.52	23.39	24.32	23.34	23.40	23.39
		25	12	24.44	24.45	24.43	22.63	22.71	22.71	24.62	23.51	24.43	23.42	23.47	23.45
	64QAM	25	24	24.44	24.40	24.46	22.67	22.79	22.69	24.58	23.48	24.29	23.41	23.43	23.52
		50	0	24.44	24.38	24.37	22.63	22.72	22.67	24.52	23.45	24.37	23.35	23.49	23.33
		1	0	24.65	24.63	24.52	22.61	22.81	22.91	24.10	23.36	24.51	23.35	23.50	23.70
		1	24	24.57	24.58	24.86	22.93	22.96	22.83	24.07	23.65	24.70	23.56	23.66	23.60
		1	49	24.60	24.44	24.56	22.72	22.67	22.77	23.90	23.60	24.25	23.31	23.54	23.58
		25	0	23.42	23.32	23.36	21.64	21.76	21.66	23.54	22.43	23.35	22.33	22.38	22.37
	256QAM	25	12	23.48	23.41	23.40	21.71	21.71	22.15	23.61	22.51	23.44	22.44	22.47	22.46
		25	24	23.41	23.43	23.50	21.68	21.82	22.20	23.58	22.47	23.30	22.41	22.45	22.48
		50	0	23.45	23.40	23.40	21.65	21.70	22.06	23.52	22.48	23.37	22.40	22.49	22.37
		1	0	21.50	21.49	21.48	19.60	19.78	20.19	21.48	20.60	21.39	20.33	20.56	20.37
		1	24	21.65	21.59	21.51	19.83	19.77	20.14	21.75	20.48	21.36	20.50	20.53	20.66
		1	49	21.46	21.47	21.47	19.76	19.93	20.15	21.67	20.63	20.99	20.50	20.41	20.60
	256QAM	25	0	21.40	21.25	21.41	19.61	19.73	20.08	21.56	20.39	21.32	20.39	20.40	20.40
		25	12	21.48	21.43	21.40	19.60	19.73	20.11	21.54	20.38	21.39	20.39	20.49	20.47
		25	24	21.44	21.42	21.42	19.62	19.74	20.19	21.51	20.44	21.25	20.43	20.44	20.54
		50	0	21.42	21.40	21.39	19.64	19.71	20.08	21.51	20.40	21.30	20.45	20.43	20.44

OUTPUT POWER FOR LTE BAND 25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				26115	26365	26615	26115	26365	26615	26115	26365	26615	26115	26365	26615
15.0	QPSK	1	0	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
		1	0	25.54	25.46	25.70	24.49	24.48	24.58	25.10	24.73	25.51	24.84	25.17	25.11
		1	37	25.41	25.53	25.54	24.48	24.58	24.70	25.07	24.86	25.70	24.93	25.20	25.01
		1	74	25.48	25.51	25.47	24.41	24.66	24.99	24.85	25.47	24.93	25.11	25.07	25.07
		36	0	25.30	25.25	25.35	23.41	23.53	23.59	25.68	24.51	25.44	24.30	24.49	24.34
		36	16	25.38	25.33	25.33	23.48	23.52	23.62	25.70	24.48	25.48	24.35	24.49	24.33
		36	35	25.39	25.33	25.39	23.44	23.60	23.69	25.55	24.57	25.47	24.42	24.57	24.40
	16QAM	75	0	25.33	25.29	25.34	23.45	23.55	23.64	25.57	24.53	25.34	24.36	24.54	24.33
		1	0	25.47	25.40	25.51	23.56	23.60	23.73	25.44	24.79	25.59	24.62	24.47	24.62
		1	37	25.67	25.61	25.69	23.65	23.77	23.91	25.61	24.53	25.49	24.71	24.52	24.55
		1	74	25.37	25.39	25.23	23.68	23.81	23.71	25.37	24.72	25.35	24.80	24.49	24.30
		36	0	24.31	24.26	24.38	22.45	22.60	22.56	24.68	23.57	24.47	23.63	23.49	23.39
		36	16	24.40	24.38	24.35	22.54	22.55	22.57	24.67	23.47	24.44	23.76	23.53	23.36
		36	35	24.31	24.33	24.33	22.52	22.67	22.70	24.61	23.61	24.48	23.83	23.52	23.44
	64QAM	75	0	24.35	24.30	24.43	22.51	22.61	22.65	24.62	23.62	24.41	23.91	23.62	23.33
		1	0	24.51	24.41	24.52	22.68	22.69	22.79	24.77	23.75	24.48	23.59	23.70	23.81
		1	37	24.41	24.59	24.67	22.60	22.84	22.91	24.78	23.80	24.69	23.48	23.73	23.60
		1	74	24.38	24.51	24.46	22.70	22.91	22.72	24.54	23.69	24.48	23.15	23.53	23.48
		36	0	23.31	23.29	23.35	21.44	21.52	21.59	23.68	22.48	23.47	22.36	22.51	22.39
		36	16	23.42	23.38	23.34	21.53	21.57	21.60	23.71	22.50	23.48	22.43	22.56	22.45
		36	35	23.40	23.37	23.40	21.51	21.63	21.64	23.56	22.60	23.49	22.43	22.62	22.46
	256QAM	75	0	23.38	23.36	23.46	21.49	21.63	21.62	23.65	22.62	23.37	22.44	22.59	22.38
		1	0	21.40	21.50	21.54	19.46	19.55	19.89	21.67	20.79	21.59	20.53	20.58	20.56
		1	37	21.42	21.51	21.32	19.61	19.74	19.78	21.94	20.76	21.85	20.57	20.68	20.62
		1	74	21.54	21.30	21.49	19.43	19.79	19.69	21.36	20.94	21.36	20.56	20.71	20.37
		36	0	21.31	21.29	21.41	19.36	19.56	19.58	21.68	20.53	21.39	20.40	20.58	20.43
		36	16	21.37	21.31	21.29	19.54	19.57	19.65	21.70	20.43	21.44	20.50	20.63	20.42
		36	35	21.35	21.39	21.38	19.49	19.61	19.64	21.64	20.57	21.44	20.44	20.63	20.41
		75	0	21.39	21.35	21.35	19.50	19.64	19.65	21.62	20.60	21.39	20.41	20.63	20.37

OUTPUT POWER FOR LTE BAND 25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				26140	26365	26590	26140	26365	26590	26140	26365	26590	26140	26365	26590
20.0	QPSK	1	0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0
		1	0	25.57	25.57	25.57	24.34	24.63	24.58	25.70	25.61	25.52	24.94	25.20	25.18
		1	49	25.64	25.54	25.70	24.60	24.66	24.57	25.60	25.62	25.61	24.99	25.16	25.09
		1	99	25.54	25.60	25.58	24.48	24.59	24.70	25.50	25.59	25.63	25.03	25.09	25.07
		50	0	25.34	25.38	25.40	23.43	23.61	23.60	25.39	25.40	25.41	24.30	24.47	24.33
		50	24	25.47	25.42	25.48	23.57	23.58	23.71	25.47	25.50	25.45	24.39	24.58	24.31
		50	49	25.46	25.38	25.43	23.51	23.68	23.68	25.40	25.45	25.45	24.42	24.52	24.34
	16QAM	100	0	25.38	25.39	25.44	23.50	23.64	23.71	25.39	25.44	25.43	24.40	24.51	24.30
		1	0	25.46	25.58	25.58	23.72	23.63	23.68	25.32	25.33	25.56	24.34	24.65	24.58
		1	49	25.67	25.61	25.69	23.93	23.74	23.64	25.61	25.58	25.67	24.69	24.60	24.70
		1	99	25.42	25.64	25.53	23.77	23.73	23.70	25.49	25.41	25.62	24.58	24.64	24.59
		50	0	24.37	24.30	24.42	22.45	22.56	22.67	24.44	24.39	24.36	23.36	23.48	23.37
		50	24	24.52	24.45	24.50	22.53	22.61	22.73	24.49	24.45	24.41	23.52	23.61	23.39
		50	49	24.45	24.44	24.39	22.52	22.66	22.70	24.54	24.43	24.41	23.46	23.47	23.45
	64QAM	100	0	24.43	24.38	24.44	22.50	22.63	22.68	24.46	24.47	24.47	23.40	23.54	23.37
		1	0	24.57	24.42	24.60	22.68	22.81	22.79	24.55	24.71	24.73	23.53	23.74	23.42
		1	49	24.56	24.66	24.68	22.78	22.94	23.03	24.62	24.57	24.61	23.57	23.73	23.43
		1	99	24.48	24.53	24.46	22.66	22.61	22.91	24.48	24.47	24.61	23.42	23.62	23.66
		50	0	23.38	23.31	23.48	21.44	21.57	21.61	23.38	23.40	23.38	22.41	22.53	22.31
		50	24	23.49	23.43	23.47	21.53	21.58	21.71	23.48	23.51	23.44	22.47	22.62	22.38
		50	49	23.44	23.43	23.48	21.56	21.64	21.71	23.51	23.46	23.44	22.45	22.54	22.42
	256QAM	100	0	23.45	23.37	23.46	21.48	21.64	21.69	23.49	23.45	23.46	22.47	22.54	22.34
		1	0	21.35	21.47	21.51	19.47	19.61	19.70	21.55	21.49	21.49	20.26	20.72	20.39
		1	49	21.56	21.51	21.42	19.40	19.81	19.86	21.61	21.52	21.50	20.69	20.62	20.68
		1	99	21.51	21.53	21.45	19.55	19.58	19.70	21.59	21.39	21.59	20.55	20.57	20.39
		50	0	21.38	21.32	21.36	19.49	19.57	19.59	21.40	21.44	21.43	20.38	20.48	20.40
		50	24	21.43	21.43	21.48	19.57	19.58	19.69	21.49	21.46	21.47	20.52	20.54	20.40
		50	49	21.43	21.39	21.37	19.52	19.61	19.63	21.47	21.39	21.40	20.42	20.51	20.43
		100	0	21.36	21.38	21.44	19.49	19.64	19.71	21.51	21.47	21.43	20.43	20.45	20.37

8.2. 5G NR n25

Test Engineer ID:	115669	Test Date:	2026-03-27
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OUTPUT POWER FOR 5G NR n25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				370500	376500	382500	370500	376500	382500	370500	376500	382500	370500	376500	382500
5.0	BPSK	1	0	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
		1	0	24.61	24.70	24.70	23.70	23.67	23.62	24.63	24.64	24.59	24.07	24.04	24.11
		1	1	24.99	24.95	25.09	24.05	23.95	24.11	25.07	25.19	25.02	24.56	24.57	24.61
		1	23	25.08	25.03	24.97	24.14	24.09	24.05	25.01	25.08	25.14	24.58	24.61	24.51
		1	24	24.50	24.47	24.45	23.62	23.52	23.61	24.49	24.56	24.69	24.17	23.99	24.03
		12	6	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
	QPSK	25	0	25.06	25.17	24.95	24.02	23.95	24.16	24.96	25.09	24.95	24.66	24.64	24.48
		1	0	24.08	24.10	24.08	23.14	23.13	23.13	24.19	24.04	24.09	23.59	23.66	23.66
		1	1	25.00	25.00	25.16	24.10	23.97	24.08	25.07	25.01	25.07	24.47	24.46	24.46
		1	23	25.10	25.17	25.03	23.96	24.18	24.06	25.04	25.12	25.07	24.51	24.62	24.68
		1	24	24.04	24.10	24.17	23.19	23.15	23.05	24.16	24.14	24.08	23.67	23.66	23.61
		12	6	25.67	25.62	25.63	24.68	24.65	24.60	25.64	25.64	25.67	25.11	25.15	25.19
	16QAM	25	0	24.68	24.48	24.51	23.68	23.46	23.56	24.48	24.67	24.60	24.07	24.09	24.11
		1	0	23.14	23.13	23.01	21.96	22.11	22.12	23.11	23.07	23.13	22.65	22.64	22.46
		1	1	24.10	24.16	24.10	23.00	22.99	22.97	24.10	24.05	24.03	23.47	23.49	23.59
		1	23	24.19	23.97	23.97	23.04	23.10	23.09	24.09	24.15	24.05	23.65	23.54	23.52
		1	24	23.03	22.95	23.18	22.00	22.14	22.11	23.17	23.09	23.11	22.53	22.45	22.66
		12	6	24.59	24.66	24.55	23.46	23.54	23.48	24.53	24.46	24.48	23.96	24.00	24.09
	64QAM	25	0	23.51	23.46	23.49	22.63	22.62	22.56	23.51	23.49	23.57	23.03	23.07	23.10
		1	0	22.67	22.54	22.67	21.46	21.55	21.62	22.66	22.68	22.58	21.96	21.97	22.04
		1	1	22.46	22.66	22.60	21.61	21.62	21.57	22.65	22.54	22.56	22.01	22.02	22.09
		1	23	22.45	22.69	22.52	21.48	21.60	21.63	22.49	22.53	22.66	22.16	21.98	22.19
		1	24	22.62	22.66	22.49	21.54	21.45	21.59	22.46	22.62	22.64	21.96	22.04	21.98
		12	6	23.05	23.13	23.19	22.03	22.07	22.06	22.96	23.08	23.08	22.53	22.58	22.65
	256QAM	25	0	22.99	23.00	23.18	22.07	22.17	22.18	22.99	23.04	23.18	22.62	22.64	22.64
		1	0	20.62	20.66	20.50	19.47	19.52	19.53	20.55	20.68	20.55	20.14	20.04	20.16
		1	1	20.55	20.56	20.66	19.61	19.56	19.47	20.58	20.54	20.47	20.11	20.18	20.15
		1	23	20.61	20.52	20.56	19.62	19.66	19.57	20.52	20.51	20.68	19.99	20.06	20.00
		1	24	20.62	20.48	20.65	19.65	19.49	19.52	20.57	20.50	20.60	20.13	20.14	20.13
		12	6	21.12	21.00	21.13	20.11	20.06	20.07	21.09	21.09	20.97	20.45	20.46	20.55
		25	0	21.06	21.19	21.18	20.17	20.01	20.07	20.99	21.05	21.06	20.49	20.45	20.58

OUTPUT POWER FOR 5G NR n25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				371000	376500	382000	371000	376500	382000	371000	376500	382000	371000	376500	382000
10.0	BPSK	1	0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
		1	0	24.48	24.69	24.67	23.70	23.68	23.51	24.52	24.59	24.60	24.00	24.03	24.10
		1	1	25.17	25.13	25.06	24.02	24.06	24.01	25.08	25.07	24.99	24.55	24.57	24.65
		1	50	25.16	25.15	25.09	24.00	24.10	24.17	25.14	25.08	25.06	24.50	24.69	24.48
		1	51	24.56	24.64	24.57	23.58	23.60	23.54	24.62	24.52	24.50	24.09	24.18	23.96
		25	12	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
	QPSK	50	0	25.01	24.97	25.14	24.08	24.17	24.11	24.97	25.06	25.06	24.46	24.47	24.60
		1	0	24.08	24.14	23.97	23.01	23.14	23.09	24.01	24.19	23.99	23.60	23.58	23.54
		1	1	25.03	24.98	25.15	24.17	24.12	24.08	24.98	24.98	25.10	24.60	24.51	24.51
		1	50	25.11	25.16	24.98	23.95	23.96	24.07	25.02	25.06	24.99	24.45	24.47	24.59
		1	51	24.19	24.13	24.15	23.15	23.13	23.18	24.13	24.19	24.02	23.67	23.66	23.63
		25	12	25.68	25.63	25.63	24.65	24.67	24.68	25.62	25.61	25.68	25.18	25.18	25.18
	16QAM	50	0	24.48	24.68	24.51	23.47	23.55	23.47	24.62	24.54	24.55	24.18	23.96	24.01
		1	0	22.98	23.12	22.98	22.11	22.00	22.18	23.04	22.98	23.15	22.66	22.60	22.56
		1	1	24.11	24.15	24.02	23.06	23.07	23.17	24.09	24.04	23.95	23.50	23.66	23.67
		1	50	24.07	24.00	24.15	23.02	23.05	23.13	24.07	24.17	24.14	23.61	23.46	23.62
		1	51	23.15	23.00	23.13	22.12	22.17	22.07	23.01	23.12	23.02	22.66	22.68	22.51
		25	12	24.62	24.56	24.47	23.65	23.54	23.52	24.48	24.69	24.61	24.01	24.03	24.15
	64QAM	50	0	23.54	23.58	23.64	22.67	22.69	22.62	23.53	23.55	23.68	22.99	23.13	23.11
		1	0	22.61	22.58	22.52	21.68	21.65	21.58	22.50	22.66	22.68	22.07	22.14	22.18
		1	1	22.65	22.58	22.49	21.50	21.57	21.60	22.46	22.50	22.63	22.14	22.15	22.04
		1	50	22.50	22.65	22.61	21.69	21.50	21.68	22.64	22.46	22.55	22.19	21.95	22.17
		1	51	22.67	22.61	22.63	21.60	21.58	21.51	22.50	22.64	22.56	22.17	22.14	21.98
		25	12	23.15	23.11	23.09	22.13	22.11	22.19	23.12	23.10	23.13	22.60	22.67	22.48
	256QAM	50	0	23.17	23.03	23.17	22.16	22.16	22.00	23.09	23.08	23.17	22.63	22.60	22.54
		1	0	20.66	20.65	20.62	19.61	19.64	19.45	20.60	20.68	20.68	19.99	19.99	20.05
		1	1	20.68	20.68	20.59	19.57	19.50	19.54	20.60	20.61	20.51	20.04	19.97	19.95
		1	50	20.54	20.65	20.46	19.51	19.61	19.48	20.66	20.58	20.65	20.01	19.98	20.14
		1	51	20.45	20.51	20.60	19.51	19.57	19.56	20.62	20.56	20.63	20.03	20.18	20.08
		25	12	21.18	21.06	21.04	19.98	19.97	20.09	21.15	21.14	21.07	20.67	20.56	20.64
		50	0	21.07	21.19	21.07	20.05	20.17	20.05	21.13	21.03	21.00	20.65	20.61	20.61

OUTPUT POWER FOR 5G NR n25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				371500	376500	381500	371500	376500	381500	371500	376500	381500	371500	376500	381500
15.0	BPSK	1	0	24.54	24.65	24.56	23.62	23.60	23.52	24.54	24.56	24.55	24.18	24.19	24.20
		1	1	25.16	25.17	25.19	24.19	24.15	24.00	24.97	24.99	25.18	24.48	24.51	24.58
		1	77	25.08	24.98	25.06	24.09	24.09	24.13	25.03	25.09	25.02	24.47	24.58	24.62
		1	78	24.48	24.52	24.62	23.68	23.55	23.58	24.51	24.48	24.60	24.03	23.99	24.03
		36	18	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
		75	0	25.09	25.18	25.14	24.11	24.13	24.08	24.99	25.16	25.07	24.48	24.50	24.63
	QPSK	1	0	24.00	23.96	24.09	23.12	23.10	23.05	24.14	24.06	24.08	23.64	23.69	23.49
		1	1	25.17	25.18	25.13	23.98	24.02	24.03	25.04	25.07	25.14	24.49	24.45	24.53
		1	77	25.12	25.07	25.13	24.15	24.07	24.09	25.04	24.97	24.98	24.69	24.50	24.54
		1	78	23.99	24.07	24.01	23.07	23.11	23.11	24.00	24.18	24.00	23.67	23.56	23.64
		36	18	25.62	25.64	25.69	24.64	24.61	24.65	25.65	25.66	25.66	25.13	25.18	25.15
		75	0	24.51	24.51	24.53	23.51	23.59	23.48	24.55	24.62	24.60	24.15	23.99	24.06
	16QAM	1	0	23.09	23.17	23.00	22.04	22.03	21.96	23.06	22.98	23.08	22.51	22.56	22.52
		1	1	24.15	24.12	24.04	23.02	23.08	23.01	24.00	24.00	24.04	23.55	23.52	23.54
		1	77	24.12	23.97	24.10	23.15	23.10	23.07	23.97	23.98	24.17	23.54	23.64	23.60
		1	78	23.10	23.14	23.02	22.02	22.17	22.09	22.98	23.15	23.12	22.68	22.45	22.62
		36	18	24.59	24.62	24.57	23.48	23.68	23.68	24.60	24.66	24.57	24.18	24.00	23.98
		75	0	23.64	23.67	23.52	22.52	22.51	22.57	23.49	23.64	23.52	23.06	22.96	23.03
	64QAM	1	0	22.55	22.55	22.64	21.61	21.63	21.50	22.58	22.56	22.46	22.03	22.03	22.15
		1	1	22.51	22.48	22.61	21.47	21.46	21.46	22.45	22.48	22.54	21.98	22.08	22.04
		1	77	22.48	22.51	22.62	21.59	21.68	21.69	22.55	22.65	22.46	21.98	22.07	22.16
		1	78	22.47	22.50	22.63	21.48	21.56	21.62	22.48	22.46	22.57	21.98	22.08	22.11
		36	18	23.15	22.99	23.03	22.07	22.07	22.08	23.12	23.06	23.15	22.54	22.69	22.64
		75	0	22.95	23.14	23.13	22.13	22.00	22.00	23.09	23.04	23.08	22.64	22.64	22.59
	256QAM	1	0	20.58	20.60	20.45	19.69	19.48	19.60	20.62	20.61	20.56	20.17	20.15	20.17
		1	1	20.53	20.50	20.69	19.59	19.58	19.67	20.49	20.59	20.51	19.96	20.04	20.14
		1	77	20.53	20.67	20.63	19.52	19.69	19.48	20.66	20.57	20.68	20.09	19.99	20.19
		1	78	20.47	20.52	20.49	19.54	19.49	19.45	20.48	20.59	20.55	20.10	19.99	20.07
		36	18	20.96	21.17	21.02	20.01	20.06	19.96	21.13	21.08	21.10	20.69	20.60	20.67
		75	0	20.95	21.12	21.14	20.04	20.19	20.05	21.05	21.06	21.11	20.49	20.47	20.58

OUTPUT POWER FOR 5G NR n25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				372000	376500	381000	372000	376500	381000	372000	376500	381000	372000	376500	381000
20.0	BPSK	1	0	24.58	24.54	24.70	23.69	23.57	23.54	24.60	24.64	24.65	24.04	24.06	24.00
		1	1	25.02	24.96	24.97	24.18	24.15	24.01	25.08	25.05	25.01	24.51	24.54	24.53
		1	104	25.13	24.97	25.01	24.03	24.17	23.96	25.00	25.06	25.13	24.49	24.66	24.68
		1	105	24.52	24.66	24.49	23.55	23.50	23.64	24.65	24.47	24.66	24.16	24.15	24.01
		50	25	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
		100	0	25.13	25.07	25.16	24.18	24.09	23.96	25.16	25.07	25.04	24.68	24.56	24.62
	QPSK	1	0	24.01	24.01	24.13	23.10	23.01	23.19	24.13	24.14	23.98	23.63	23.49	23.64
		1	1	24.99	25.06	25.01	24.11	24.00	24.13	25.11	24.99	25.03	24.49	24.53	24.48
		1	104	24.97	25.08	25.00	24.17	24.18	24.06	25.13	25.06	24.95	24.64	24.47	24.50
		1	105	24.06	24.18	24.04	23.00	22.99	23.18	23.99	23.98	24.00	23.68	23.45	23.59
		50	25	25.63	25.63	25.63	24.64	24.64	24.67	25.62	25.65	25.64	25.13	25.15	25.15
		100	0	24.64	24.54	24.48	23.53	23.49	23.67	24.68	24.46	24.47	23.99	24.11	24.15
	16QAM	1	0	23.11	23.07	23.05	22.07	22.19	22.01	23.00	23.09	23.04	22.48	22.56	22.69
		1	1	24.12	24.18	24.18	23.05	23.06	23.14	24.12	24.14	24.02	23.54	23.68	23.50
		1	104	24.15	23.96	24.13	23.02	23.14	23.18	24.06	24.10	24.08	23.67	23.55	23.52
		1	105	23.15	23.00	22.96	22.11	22.10	22.08	22.99	23.17	23.11	22.52	22.62	22.59
		50	25	24.58	24.67	24.64	23.66	23.60	23.66	24.52	24.53	24.69	24.15	24.08	24.10
		100	0	23.68	23.55	23.62	22.52	22.65	22.66	23.61	23.49	23.65	23.09	23.14	23.02
	64QAM	1	0	22.53	22.45	22.67	21.56	21.66	21.55	22.54	22.65	22.67	22.14	22.06	21.98
		1	1	22.59	22.67	22.56	21.65	21.49	21.62	22.50	22.59	22.63	22.11	22.02	22.09
		1	104	22.57	22.51	22.47	21.63	21.61	21.57	22.45	22.46	22.50	22.02	22.12	22.18
		1	105	22.67	22.50	22.49	21.67	21.66	21.58	22.53	22.52	22.57	22.03	22.11	21.98
		50	25	23.11	23.18	23.15	21.96	22.16	22.03	22.97	23.12	23.08	22.54	22.60	22.57
		100	0	22.98	22.97	23.07	22.19	21.99	21.95	23.00	22.97	23.07	22.46	22.67	22.57
	256QAM	1	0	20.65	20.54	20.57	19.52	19.62	19.54	20.67	20.45	20.63	20.12	20.18	20.14
		1	1	20.66	20.48	20.51	19.54	19.67	19.66	20.53	20.56	20.51	20.07	20.14	19.97
		1	104	20.64	20.64	20.47	19.64	19.53	19.55	20.56	20.51	20.65	20.00	20.15	20.14
		1	105	20.45	20.49	20.57	19.55	19.45	19.57	20.50	20.65	20.66	20.19	20.17	20.02
		50	25	21.07	21.03	21.16	20.02	20.02	20.19	21.10	20.96	20.98	20.68	20.68	20.63
		100	0	21.02	21.01	21.05	20.06	19.96	20.05	20.99	21.08	21.12	20.51	20.65	20.62

OUTPUT POWER FOR 5G NR n25 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				372500	376500	380500	372500	376500	380500	372500	376500	380500	372500	376500	380500
25.0	BPSK	1	0	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5
		1	1	24.55	24.57	24.70	23.59	23.68	23.49	24.67	24.66	24.55	23.98	24.06	24.15
		1	132	25.05	25.16	25.07	24.16	24.18	24.17	24.97	25.11	25.07	24.63	24.50	24.53
		1	131	25.08	25.09	25.08	24.09	24.11	24.18	25.06	25.09	24.95	24.58	24.50	24.54
		64	32	24.47	24.55	24.48	23.56	23.68	23.60	24.56	24.60	24.58	24.06	24.02	23.97
		128	0	25.02	25.05	25.19	23.97	23.99	24.00	25.04	25.17	25.15	24.50	24.68	24.57
	QPSK	1	0	24.02	24.06	24.12	23.00	23.16	23.08	24.09	24.00	24.18	23.66	23.48	23.46
		1	1	24.98	25.03	25.15	24.12	24.08	24.10	24.96	25.01	25.08	24.61	24.63	24.51
		1	132	25.08	25.18	25.08	23.96	24.15	24.03	25.15	25.07	24.98	24.46	24.61	24.64
		1	131	24.00	24.02	23.97	23.16	23.04	23.07	24.13	24.05	24.12	23.55	23.59	23.51
		64	32	25.61	25.67	25.64	24.69	24.61	24.65	25.63	25.60	25.60	25.15	25.12	25.11
		128	0	24.49	24.47	24.46	23.55	23.64	23.68	24.48	24.58	24.46	24.08	24.17	24.05
	16QAM	1	0	23.04	22.96	23.08	22.03	22.15	22.00	22.98	23.00	23.10	22.68	22.58	22.59
		1	1	24.07	24.13	23.96	23.16	23.05	23.02	24.14	24.02	24.08	23.52	23.64	23.68
		1	132	23.97	24.10	24.12	23.14	23.09	23.07	24.11	24.11	24.06	23.56	23.52	23.53
		1	131	23.14	23.04	23.14	22.09	22.08	21.99	23.07	23.01	22.97	22.64	22.64	22.53
		64	32	24.45	24.46	24.62	23.67	23.54	23.64	24.65	24.53	24.60	24.00	24.05	24.03
		128	0	23.55	23.59	23.52	22.53	22.54	22.57	23.52	23.53	23.62	23.17	23.17	23.15
	64QAM	1	0	22.61	22.60	22.55	21.53	21.66	21.58	22.53	22.65	22.62	22.18	22.14	22.18
		1	1	22.69	22.68	22.68	21.47	21.49	21.66	22.53	22.62	22.65	22.14	22.11	22.05
		1	132	22.49	22.57	22.57	21.61	21.57	21.68	22.65	22.53	22.56	21.98	22.18	22.13
		1	131	22.52	22.68	22.59	21.59	21.62	21.63	22.53	22.55	22.60	22.15	22.14	22.13
		64	32	22.96	23.12	22.99	22.07	22.17	22.08	23.15	23.09	23.17	22.54	22.57	22.69
		128	0	23.07	23.13	23.15	22.13	21.97	21.97	23.18	23.15	22.99	22.49	22.61	22.54
	256QAM	1	0	20.67	20.50	20.66	19.64	19.66	19.52	20.57	20.57	20.51	19.97	20.16	20.16
		1	1	20.52	20.48	20.45	19.49	19.49	19.49	20.47	20.46	20.51	19.99	19.97	20.15
		1	132	20.48	20.61	20.58	19.56	19.68	19.45	20.57	20.50	20.54	20.05	20.05	20.15
		1	131	20.48	20.55	20.48	19.64	19.61	19.48	20.64	20.47	20.47	20.11	20.18	20.06
		64	32	21.14	21.08	21.09	20.14	20.11	20.04	21.17	20.96	20.97	20.62	20.64	20.47
		128	0	21.00	21.01	20.98	20.06	20.05	20.08	21.11	21.19	21.07	20.47	20.59	20.48

OUTPUT POWER FOR 5G NR n25 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				373000	376500	380000	373000	376500	380000	373000	376500	380000	373000	376500	380000
30.0	BPSK	1	0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0
		1	1	24.79	24.89	24.92	23.84	23.76	23.78	24.90	24.81	24.85	24.31	24.44	24.25
		1	1	25.16	25.16	25.04	24.12	24.10	24.15	25.15	24.97	24.98	24.65	24.52	24.64
		1	158	25.03	25.17	24.99	24.04	23.99	24.13	25.19	24.96	25.13	24.59	24.62	24.49
		1	159	24.62	24.65	24.58	23.46	23.67	23.60	24.53	24.63	24.50	24.08	23.99	24.18
		80	40	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
	QPSK	160	0	25.04	25.15	25.05	24.12	23.98	23.95	25.00	24.98	25.18	24.50	24.67	24.60
		1	0	24.06	24.12	24.01	23.02	22.98	22.99	24.04	23.96	24.07	23.66	23.66	23.68
		1	1	25.06	25.15	25.15	24.03	24.10	23.98	25.14	25.02	25.07	24.57	24.50	24.68
		1	158	25.10	25.16	25.17	24.06	24.02	24.15	25.04	25.09	24.97	24.63	24.50	24.50
		1	159	24.12	24.03	24.01	23.04	23.19	23.03	24.14	23.99	24.05	23.46	23.45	23.47
		80	40	25.64	25.66	25.60	24.66	24.67	24.68	25.68	25.64	25.68	25.13	25.11	25.18
	16QAM	160	0	24.51	24.53	24.64	23.51	23.66	23.47	24.61	24.64	24.64	24.11	23.99	24.01
		1	0	22.98	23.19	23.16	22.16	22.13	22.06	23.02	23.10	23.11	22.47	22.54	22.55
		1	1	24.10	24.18	24.15	22.95	23.14	22.99	24.09	24.01	24.12	23.54	23.61	23.56
		1	158	24.06	23.98	24.16	23.06	23.06	23.09	24.08	24.02	24.13	23.51	23.54	23.51
		1	159	23.01	23.07	23.13	22.13	22.09	22.18	23.09	23.01	23.06	22.55	22.49	22.60
		80	40	24.47	24.64	24.62	23.67	23.50	23.55	24.68	24.50	24.53	24.01	23.97	24.13
	64QAM	160	0	23.58	23.65	23.46	22.46	22.55	22.55	23.54	23.62	23.69	23.05	22.97	22.95
		1	0	22.56	22.46	22.46	21.62	21.68	21.64	22.48	22.49	22.51	22.01	21.99	22.08
		1	1	22.67	22.56	22.56	21.53	21.63	21.50	22.48	22.48	22.55	22.14	22.14	22.16
		1	158	22.65	22.54	22.50	21.57	21.67	21.68	22.68	22.68	22.59	21.97	22.15	22.04
		1	159	22.69	22.52	22.53	21.47	21.69	21.47	22.60	22.55	22.48	21.97	22.18	22.15
		80	40	22.95	22.96	23.07	22.07	22.07	22.02	23.05	23.14	23.01	22.69	22.59	22.66
	256QAM	160	0	23.00	23.03	23.00	22.18	21.99	22.10	23.14	23.14	23.01	22.52	22.66	22.52
		1	0	20.58	20.53	20.63	19.57	19.49	19.57	20.65	20.53	20.68	20.08	20.02	20.03
		1	1	20.60	20.47	20.60	19.68	19.61	19.59	20.60	20.46	20.60	20.11	19.95	20.18
		1	158	20.57	20.66	20.47	19.48	19.66	19.62	20.64	20.65	20.52	20.16	20.13	20.17
		1	159	20.46	20.45	20.62	19.68	19.64	19.68	20.67	20.49	20.49	19.98	20.02	20.09
		80	40	21.13	21.07	21.06	20.08	19.97	20.05	20.99	21.00	21.00	20.47	20.59	20.62
		160	0	21.19	21.16	21.01	20.07	20.15	20.09	20.97	21.12	21.09	20.66	20.61	20.61

OUTPUT POWER FOR 5G NR n25 (35.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				373500	376500	379500	373500	376500	379500	373500	376500	379500	373500	376500	379500
35.0	BPSK	1	0	1867.5	1882.5	1897.5	1867.5	1882.5	1897.5	1867.5	1882.5	1897.5	1867.5	1882.5	1897.5
		1	0	24.57	24.64	24.59	23.70	23.63	23.67	24.64	24.65	24.64	24.09	24.19	24.16
		1	1	25.01	25.14	25.05	24.02	23.97	24.08	24.96	25.10	25.16	24.68	24.69	24.68
		1	186	25.08	25.02	25.10	23.99	24.07	24.01	25.08	25.13	25.06	24.63	24.50	24.59
		1	187	24.53	24.58	24.65	23.52	23.60	23.55	24.51	24.59	24.58	24.00	24.06	24.05
		90	45	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
	QPSK	180	0	25.10	25.15	25.00	24.19	23.96	24.12	25.10	25.01	25.02	24.53	24.65	24.51
		1	0	24.01	24.08	24.19	23.02	23.03	22.98	24.16	24.11	24.06	23.66	23.48	23.56
		1	1	25.08	25.06	25.01	24.16	24.04	24.05	25.14	25.18	25.17	24.57	24.63	24.63
		1	186	25.07	24.99	24.99	24.02	24.00	24.00	24.96	25.09	25.06	24.69	24.64	24.56
		1	187	24.10	23.99	24.19	22.97	23.14	23.06	24.19	24.11	24.07	23.58	23.59	23.60
		90	45	25.67	25.61	25.67	24.67	24.63	24.61	25.68	25.63	25.61	25.12	25.19	25.14
	16QAM	180	0	24.66	24.67	24.59	23.54	23.50	23.64	24.47	24.66	24.62	24.13	24.16	23.97
		1	0	23.04	23.19	23.08	22.01	22.07	21.96	22.99	23.03	23.04	22.53	22.46	22.47
		1	1	24.06	24.11	24.03	22.98	23.14	23.04	24.03	24.16	24.04	23.50	23.55	23.56
		1	186	24.17	24.15	23.97	23.03	23.11	23.14	24.17	24.00	24.16	23.51	23.48	23.53
		1	187	23.00	23.19	23.14	22.05	22.13	22.01	23.02	23.18	22.97	22.52	22.68	22.54
		90	45	24.54	24.47	24.54	23.67	23.64	23.66	24.69	24.64	24.69	24.13	23.98	24.07
	64QAM	180	0	23.45	23.52	23.63	22.57	22.65	22.49	23.64	23.66	23.50	23.16	23.11	23.12
		1	0	22.46	22.66	22.59	21.56	21.47	21.57	22.67	22.61	22.66	22.06	22.04	22.11
		1	1	22.55	22.68	22.57	21.49	21.56	21.58	22.63	22.62	22.60	22.11	22.15	22.15
		1	186	22.66	22.61	22.46	21.57	21.46	21.60	22.69	22.58	22.57	22.11	22.17	22.12
		1	187	22.57	22.56	22.69	21.52	21.66	21.59	22.58	22.60	22.58	22.16	22.09	21.99
		90	45	23.13	23.01	22.98	22.07	22.02	22.03	23.07	23.19	23.08	22.55	22.66	22.63
	256QAM	180	0	23.02	23.18	23.19	21.98	22.04	22.09	22.97	23.00	22.98	22.56	22.47	22.57
		1	0	20.68	20.64	20.57	19.66	19.52	19.55	20.52	20.49	20.50	20.15	20.01	19.97
		1	1	20.48	20.59	20.59	19.45	19.57	19.48	20.54	20.58	20.59	20.04	20.01	20.15
		1	186	20.68	20.50	20.64	19.56	19.49	19.61	20.69	20.51	20.64	20.13	20.15	19.97
		1	187	20.62	20.66	20.67	19.65	19.52	19.65	20.48	20.53	20.62	20.14	20.06	20.13
		90	45	20.99	20.95	20.96	19.97	19.98	20.09	21.08	20.97	20.97	20.54	20.58	20.66
		180	0	21.04	21.05	21.03	20.09	19.96	19.98	21.07	20.98	21.17	20.67	20.58	20.58

OUTPUT POWER FOR 5G NR n25 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 14			ANT 1			ANT 3			ANT 4		
				374000	376500	379000	374000	376500	379000	374000	376500	379000	374000	376500	379000
40.0	BPSK	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5
		1	0	24.51	24.54	24.54	23.55	23.67	23.61	24.70	24.57	24.58	24.15	24.24	24.02
		1	1	25.00	25.12	25.01	24.00	23.99	24.01	24.96	25.14	25.12	24.69	24.48	24.62
		1	214	25.00	25.04	25.06	24.09	23.98	24.07	25.18	25.02	25.00	24.67	24.50	24.50
		1	215	24.58	24.63	24.53	23.64	23.52	23.52	24.62	24.63	24.57	24.19	24.07	23.98
		108	54	25.70	25.70	25.70	24.70	24.70	24.70	25.70	25.70	25.70	25.20	25.20	25.20
	QPSK	216	0	25.15	25.08	24.99	24.06	24.05	24.00	25.08	25.02	25.11	24.59	24.61	24.56
		1	0	24.09	24.07	24.12	23.16	23.11	23.17	23.96	24.18	24.03	23.49	23.56	23.58
		1	1	24.96	25.10	25.15	24.13	23.96	24.14	25.00	25.02	25.07	24.63	24.67	24.50
		1	214	24.98	25.11	25.00	24.10	24.16	24.08	25.04	25.08	24.96	24.52	24.59	24.47
		1	215	23.97	24.04	24.09	23.07	23.10	23.16	24.18	24.08	24.14	23.54	23.68	23.52
		108	54	25.63	25.66	25.68	24.69	24.69	24.67	25.65	25.62	25.67	25.15	25.18	25.15
	16QAM	216	0	24.64	24.56	24.52	23.45	23.51	23.55	24.49	24.46	24.69	24.04	23.97	24.12
		1	0	23.10	23.18	23.00	22.05	22.17	21.96	22.96	23.12	23.14	22.46	22.45	22.53
		1	1	24.08	24.15	24.09	23.02	23.00	23.16	23.96	24.15	24.17	23.46	23.46	23.66
		1	214	24.15	24.02	24.09	23.09	23.05	22.99	24.14	24.17	24.14	23.67	23.65	23.51
		1	215	22.99	23.18	22.96	22.12	22.11	22.17	22.95	23.10	22.99	22.54	22.51	22.51
		108	54	24.66	24.57	24.62	23.61	23.58	23.57	24.65	24.64	24.67	24.15	24.06	24.15
	64QAM	216	0	23.56	23.63	23.46	22.65	22.67	22.53	23.48	23.68	23.56	22.95	23.16	23.18
		1	0	22.48	22.66	22.63	21.51	21.57	21.61	22.61	22.62	22.53	22.15	22.19	22.04
		1	1	22.54	22.55	22.46	21.49	21.62	21.55	22.49	22.69	22.64	21.99	21.97	22.16
		1	214	22.64	22.67	22.57	21.58	21.54	21.62	22.55	22.63	22.65	22.06	22.13	21.98
		1	215	22.52	22.58	22.58	21.57	21.53	21.55	22.47	22.45	22.60	22.15	22.15	22.06
		108	54	23.06	22.99	23.01	22.07	22.11	22.15	22.97	23.02	23.00	22.50	22.62	22.46
	256QAM	216	0	23.18	23.01	23.00	21.97	22.11	22.07	23.04	23.11	23.15	22.68	22.46	22.49
		1	0	20.56	20.56	20.50	19.48	19.61	19.52	20.50	20.50	20.62	20.07	19.95	20.16
		1	1	20.55	20.58	20.59	19.68	19.47	19.49	20.49	20.56	20.52	20.19	20.00	19.96
		1	214	20.53	20.61	20.59	19.68	19.63	19.57	20.56	20.66	20.61	20.03	20.00	20.08
		1	215	20.62	20.60	20.63	19.55	19.52	19.54	20.55	20.53	20.53	19.97	20.16	20.03
		108	54	21.05	21.08	21.03	20.16	20.17	20.14	21.09	21.18	21.16	20.64	20.49	20.61
		216	0	21.14	21.10	21.17	20.11	20.15	20.11	21.09	21.08	20.99	20.65	20.54	20.62

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
ISED: RSS133

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.

If Keysight PXA support both AC and DC coupling, then there will be a warning condition message appearing on the status line "DC coupled". This warning message does not impact test results.

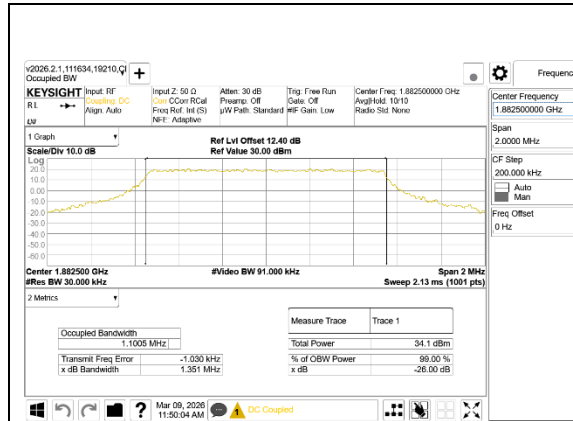
LTE BAND 25

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 25	1.4MHz, QPSK	6/0	1882.5	1.101	1.35
	1.4MHz, 16QAM			1.101	1.36
	3MHz, QPSK	15/0		2.717	3.07
	3MHz, 16QAM			2.715	3.07
	5MHz, QPSK	25/0		4.536	5.17
	5MHz, 16QAM			4.530	5.15
	10MHz, QPSK	50/0		9.012	10.15
	10MHz, 16QAM			9.001	10.09
	15MHz, QPSK	75/0		13.501	15.11
	15MHz, 16QAM			13.501	15.10
	20MHz, QPSK	100/0		18.008	19.75
	20MHz, 16QAM			18.000	19.82
	20MHz, QPSK	1/0		0.270	0.43

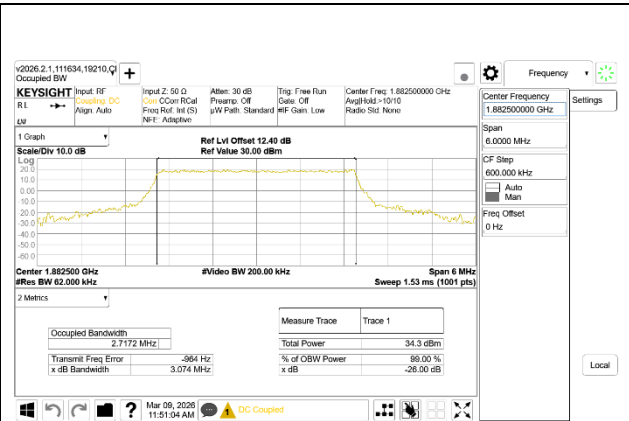
5G NR n25

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n25	5MHz, BPSK	25/0	1882.5	4.510	5.25
	5MHz, QPSK			4.506	5.22
	5MHz, 16QAM			4.509	5.21
	10MHz, BPSK	50/0		9.006	9.96
	10MHz, QPSK			8.992	9.96
	10MHz, 16QAM			8.996	9.90
	15MHz, BPSK	75/0		13.479	14.57
	15MHz, QPSK			13.462	14.60
	15MHz, 16QAM			13.462	14.60
	20MHz, BPSK	100/0		17.982	19.23
	20MHz, QPSK			17.937	19.79
	20MHz, 16QAM			17.935	19.12
	25MHz, BPSK	128/0		22.962	24.28
	25MHz, QPSK			22.942	24.43
	25MHz, 16QAM			22.974	24.38
	30MHz, BPSK	160/0		28.692	30.30
	30MHz, QPSK			28.675	30.39
	30MHz, 16QAM			28.692	30.33
	35MHz, BPSK	180/0		32.216	33.97
	35MHz, QPSK			32.300	34.12
	35MHz, 16QAM			32.278	34.03
	40MHz, BPSK	216/0		38.732	40.70
	40MHz, QPSK			38.717	40.76
	40MHz, 16QAM			38.679	40.77
		40MHz, BPSK		1/0	

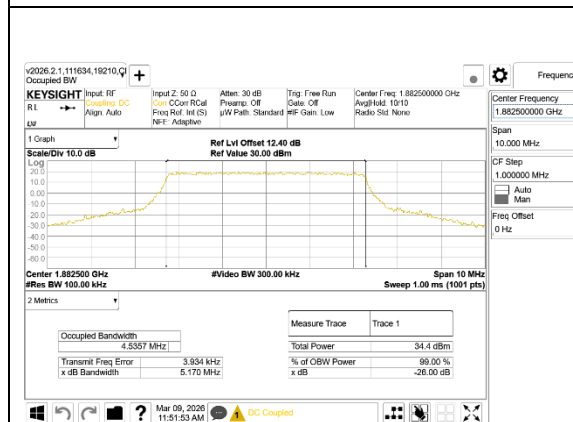
9.1.1. LTE BAND 25



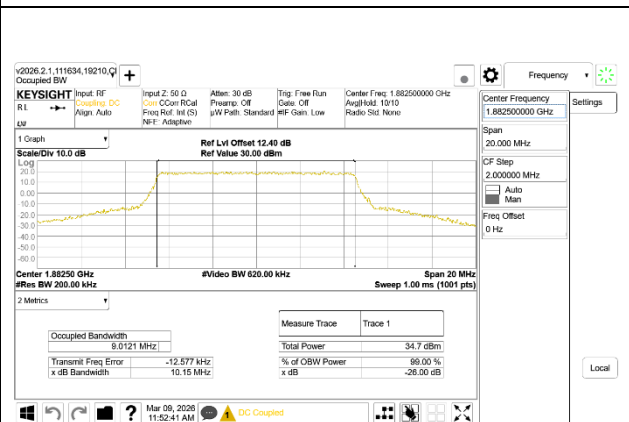
LTE B25 1.4MHz QPSK Middle Channel RB6-0



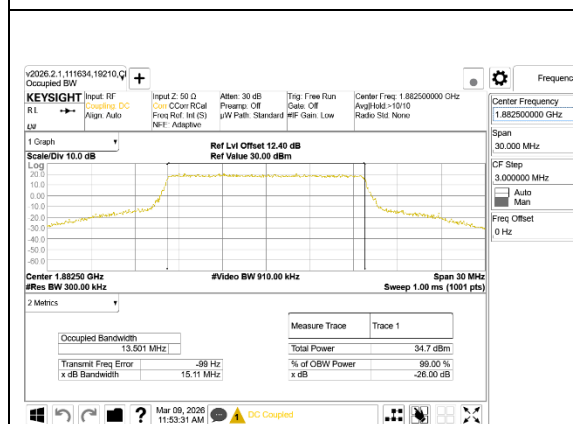
LTE B25 3MHz QPSK Middle Channel RB15-0



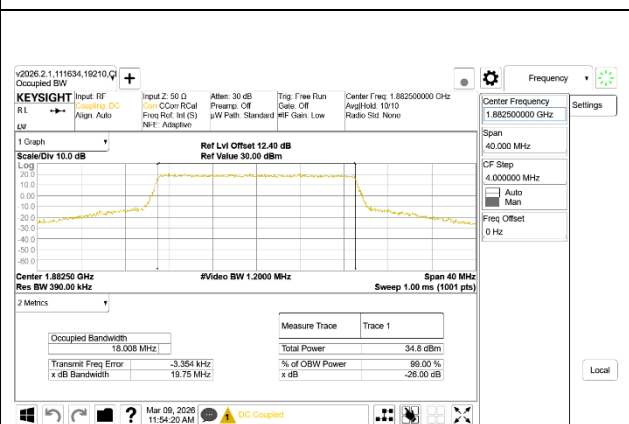
LTE B25 5MHz QPSK Middle Channel RB25-0



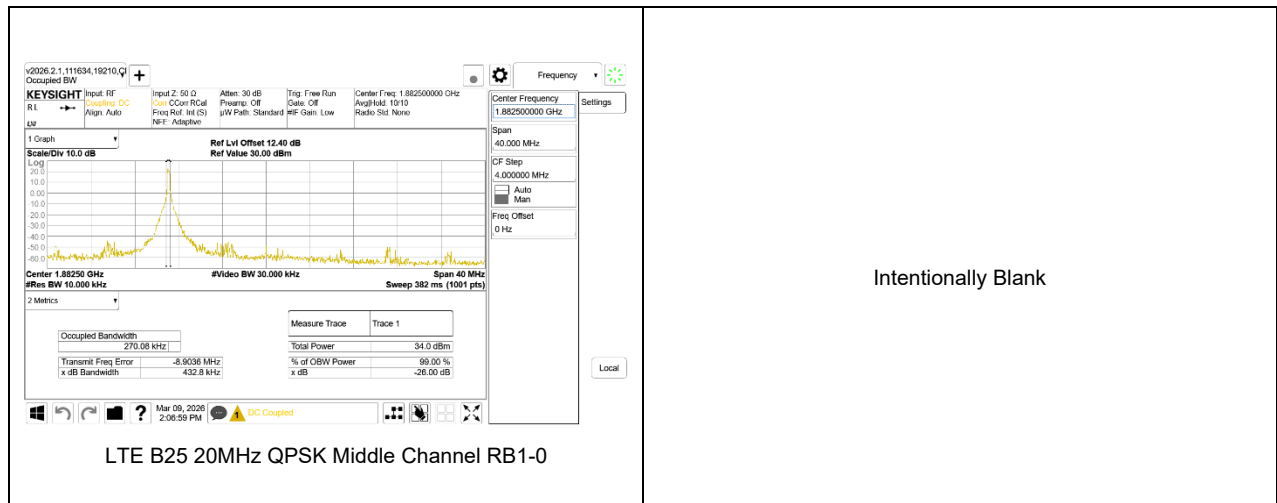
LTE B25 10MHz QPSK Middle Channel RB50-0



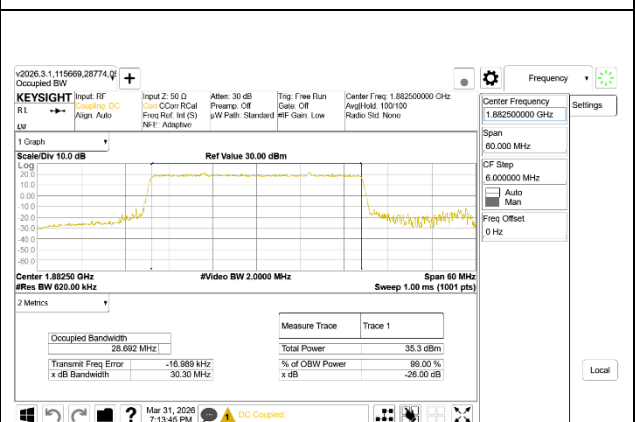
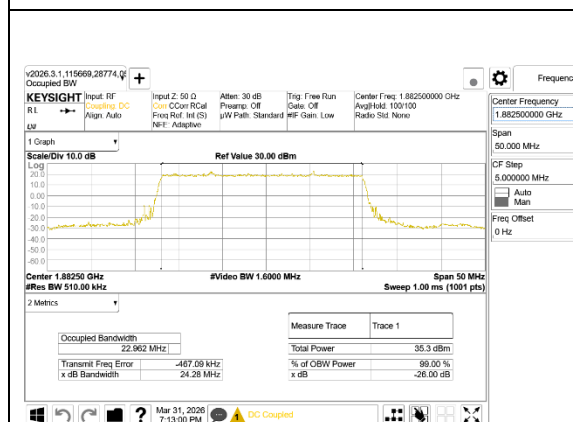
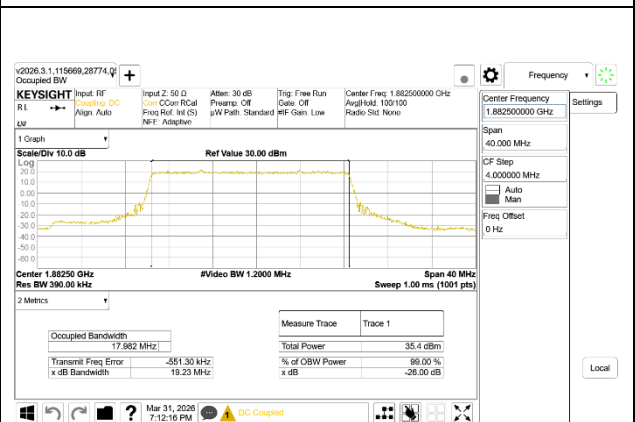
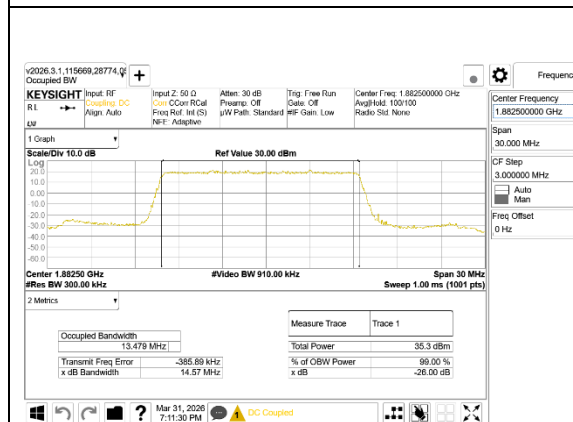
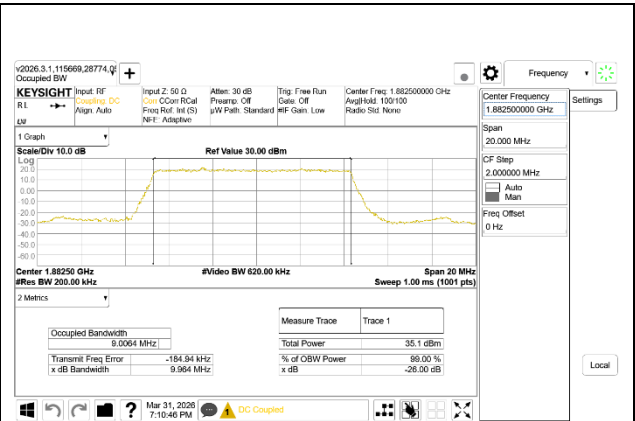
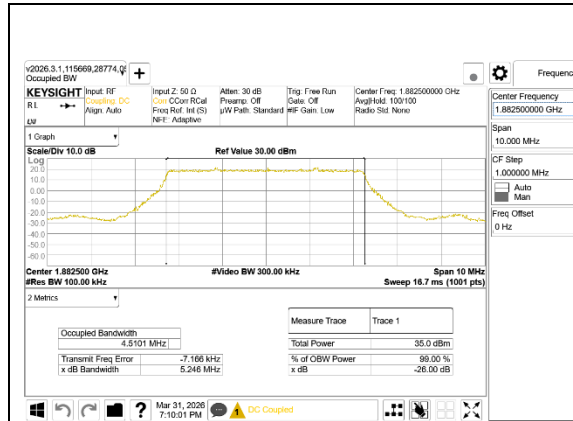
LTE B25 15MHz QPSK Middle Channel RB75-0

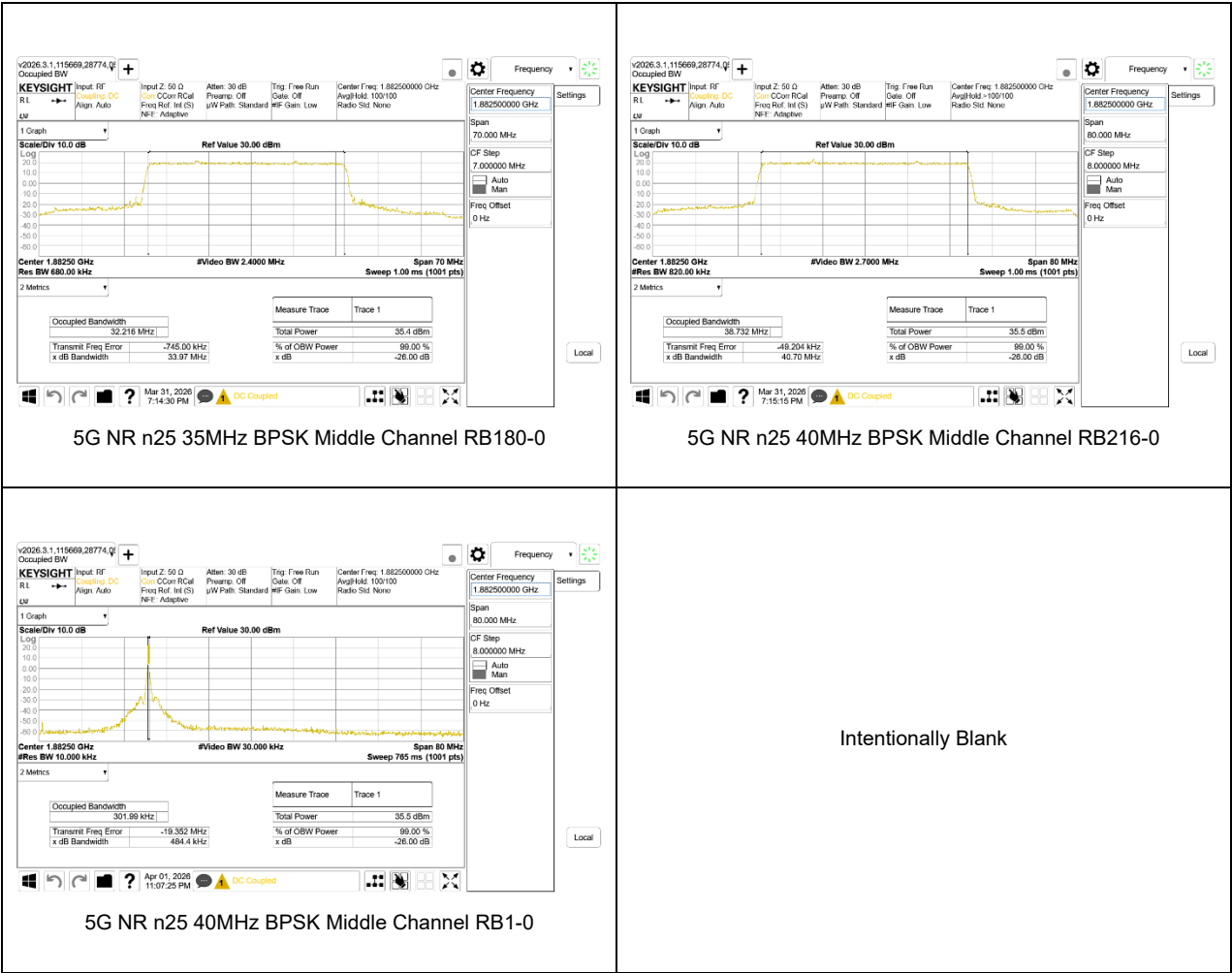


LTE B25 20MHz QPSK Middle Channel RB100-0



9.1.2. 5G NR n25





9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §24.238

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

(b) *Measurement procedure.* Compliance with these rules is based on the use of measurement instrumentation employing a reference bandwidth as follows:

(1) In the spectrum below 1 GHz, instrumentation should employ a reference bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy, provided that the measured power is integrated over the full required reference bandwidth (*i.e.*, 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(2) In the spectrum above 1 GHz, instrumentation should employ a reference bandwidth of 1 MHz.

ISED: RSS133§5.6

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table 3.

Table 3: Unwanted emission limits for all equipment	
Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm/(1% of OBW)
> 1	-13 dBm/MHz

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.

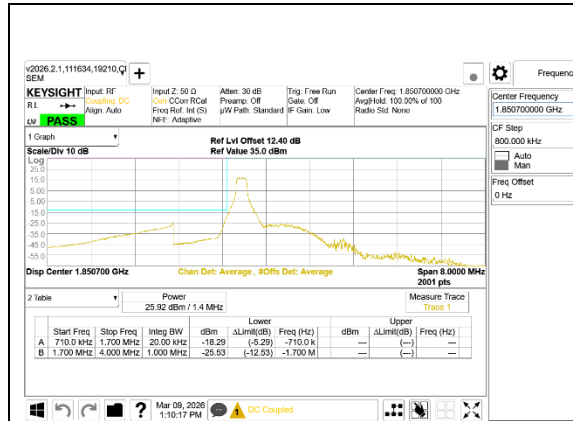
The transmitter output was connected to a base station simulator and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

For each band edge measurement:

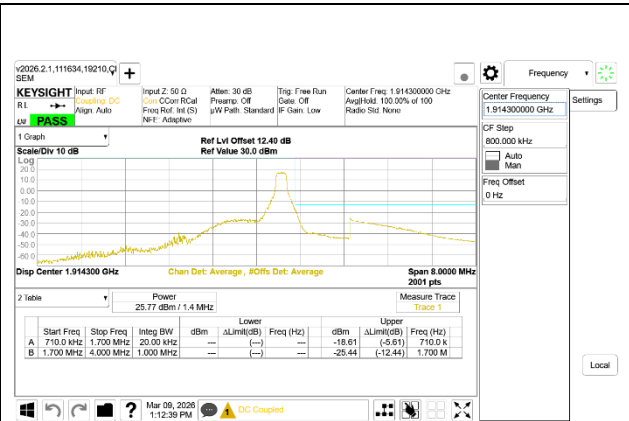
1. Set the spectrum analyzer span to include the block edge frequency.
2. Set a marker to point the corresponding band edge frequency in each test case.
3. Set display line at -13 dBm
4. Set resolution bandwidth to at least 1% of emission bandwidth.

RESULTS

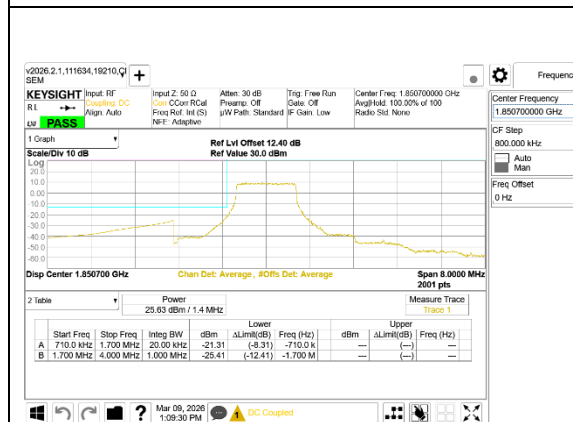
9.2.1. LTE BAND 25



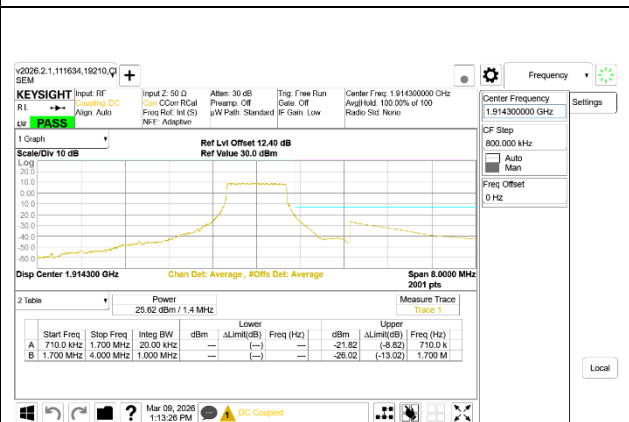
LTE B25 1.4MHz QPSK Low Channel RB1-0



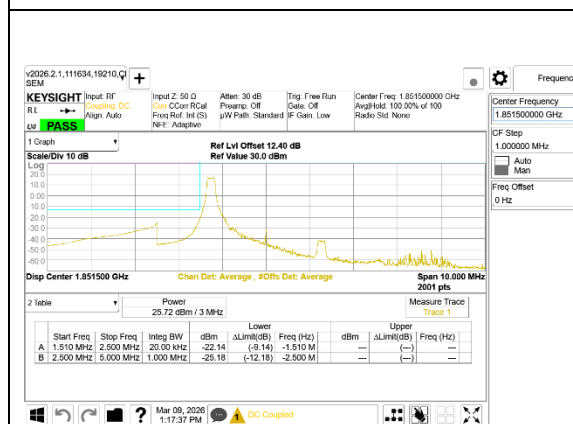
LTE B25 1.4MHz QPSK High Channel RB1-5



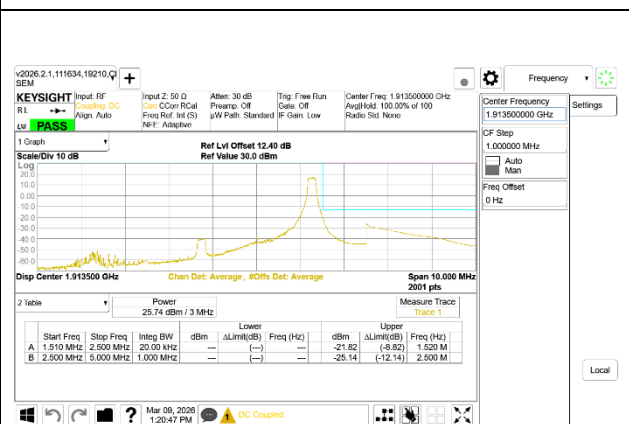
LTE B25 1.4MHz QPSK Low Channel RB6-0



LTE B25 1.4MHz QPSK High Channel RB6-0



LTE B25 3MHz QPSK Low Channel RB1-0



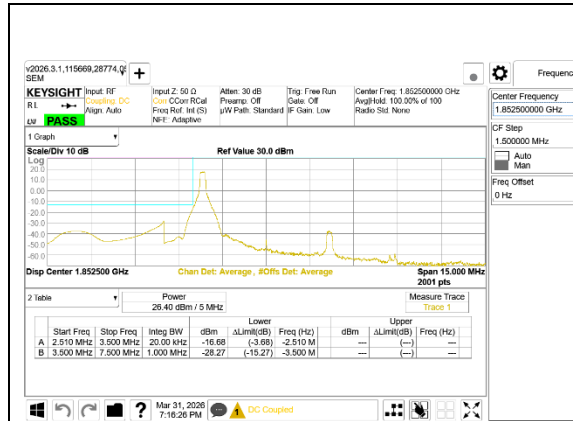
LTE B25 3MHz QPSK High Channel RB1-14



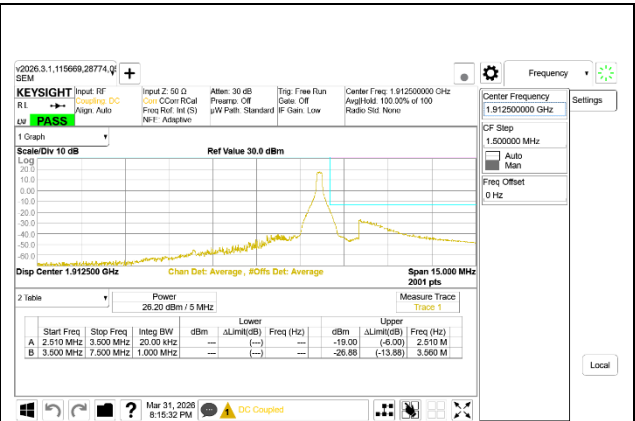




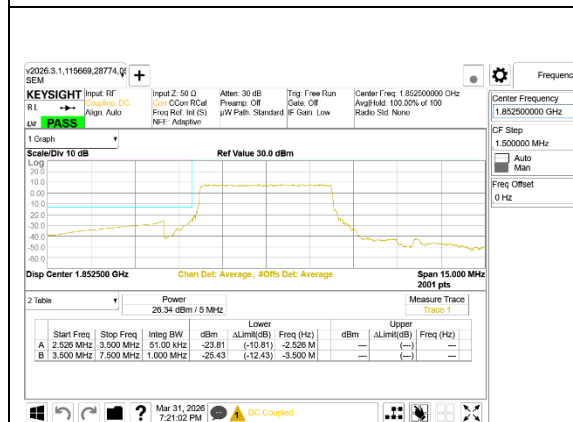
9.2.2. 5G NR n25



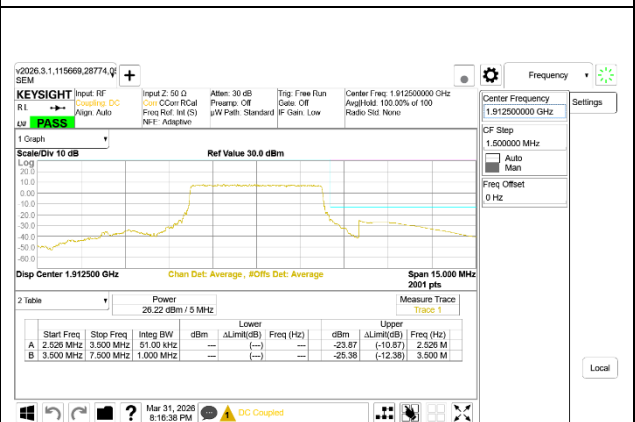
5G NR n25 5MHz BPSK Low Channel RB1-0



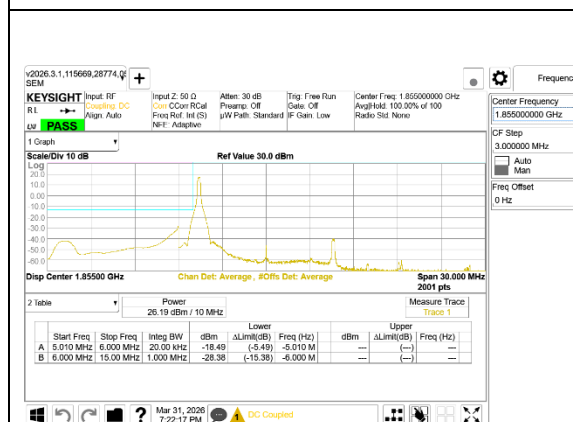
5G NR n25 5MHz BPSK High Channel RB1-24



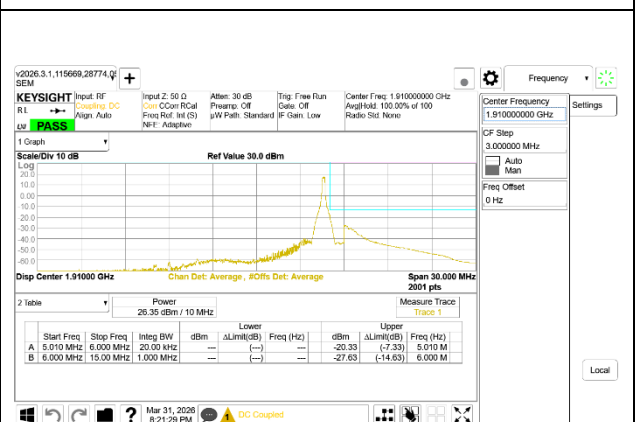
5G NR n25 5MHz BPSK Low Channel RB25-0



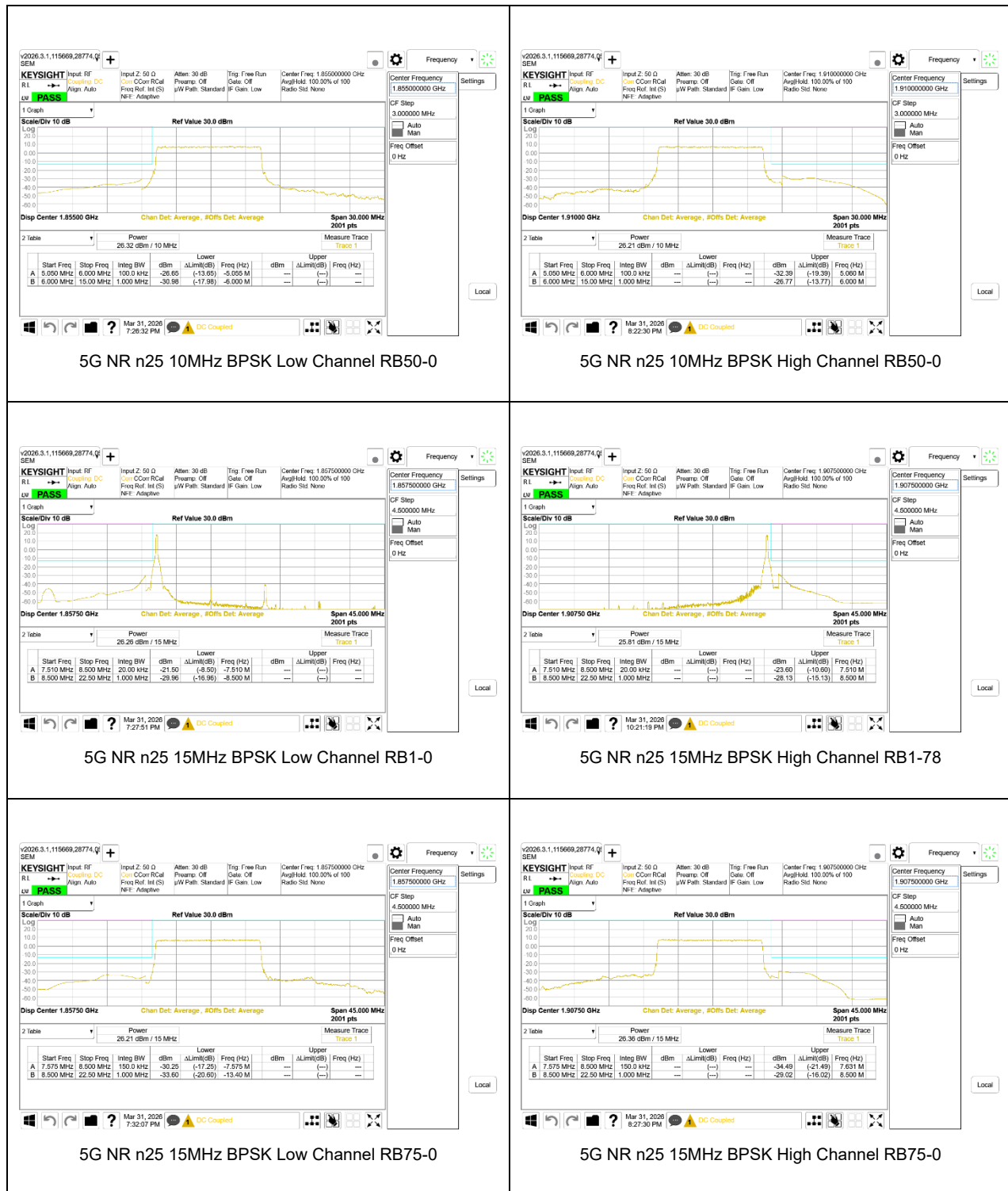
5G NR n25 5MHz BPSK High Channel RB25-0

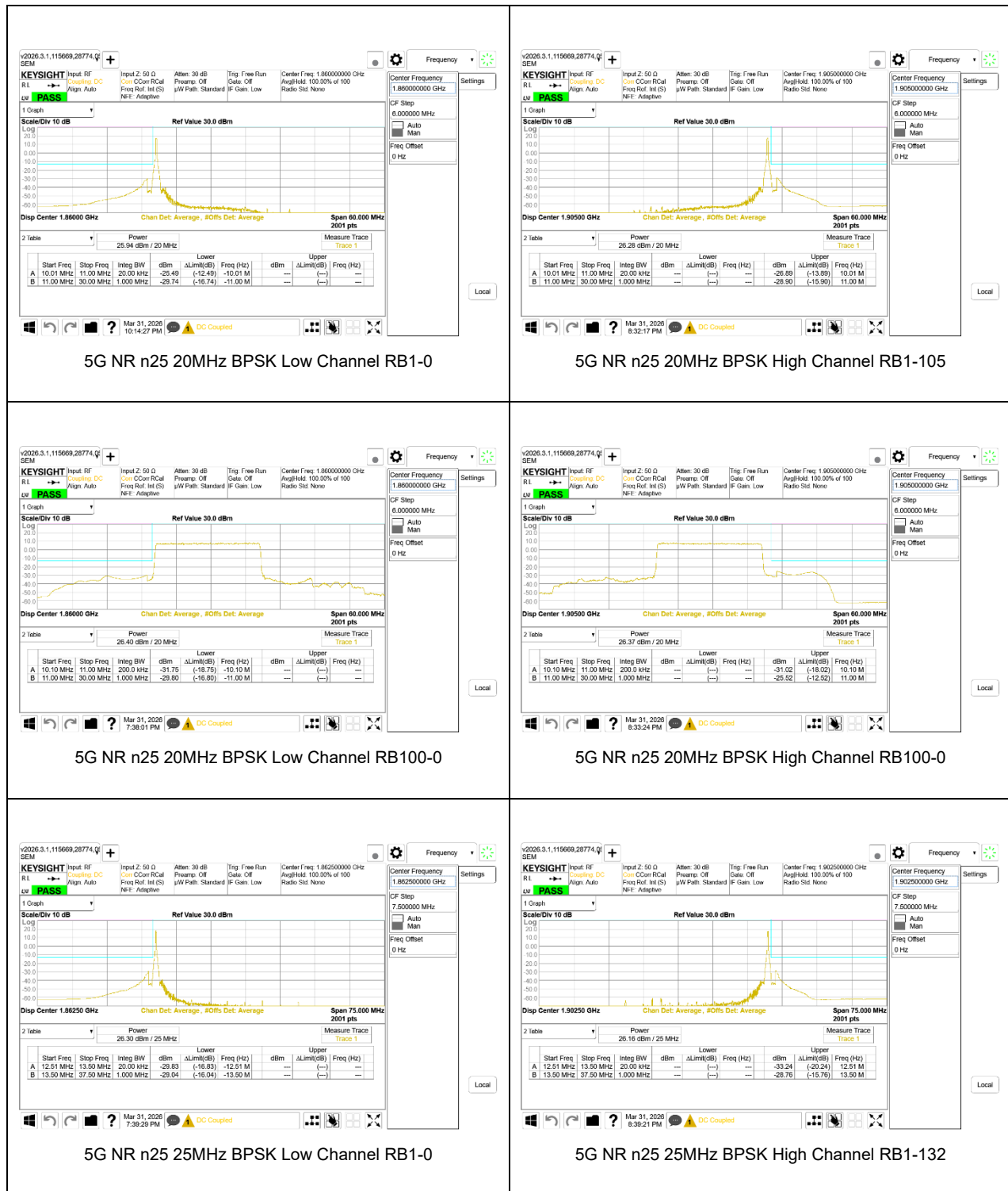


5G NR n25 10MHz BPSK Low Channel RB1-0

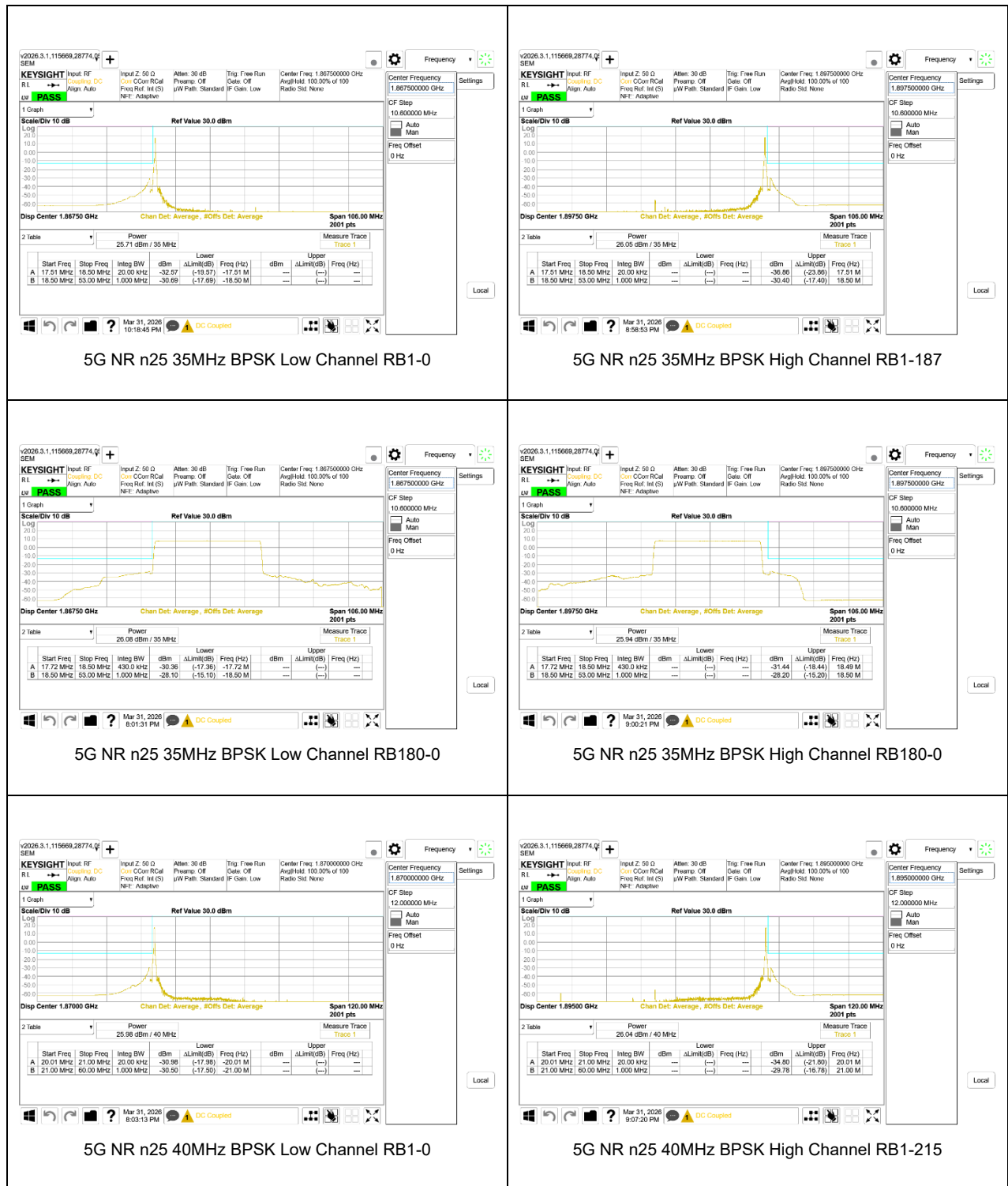


5G NR n25 10MHz BPSK High Channel RB1-51









5G NR n25 35MHz BPSK Low Channel RB1-0

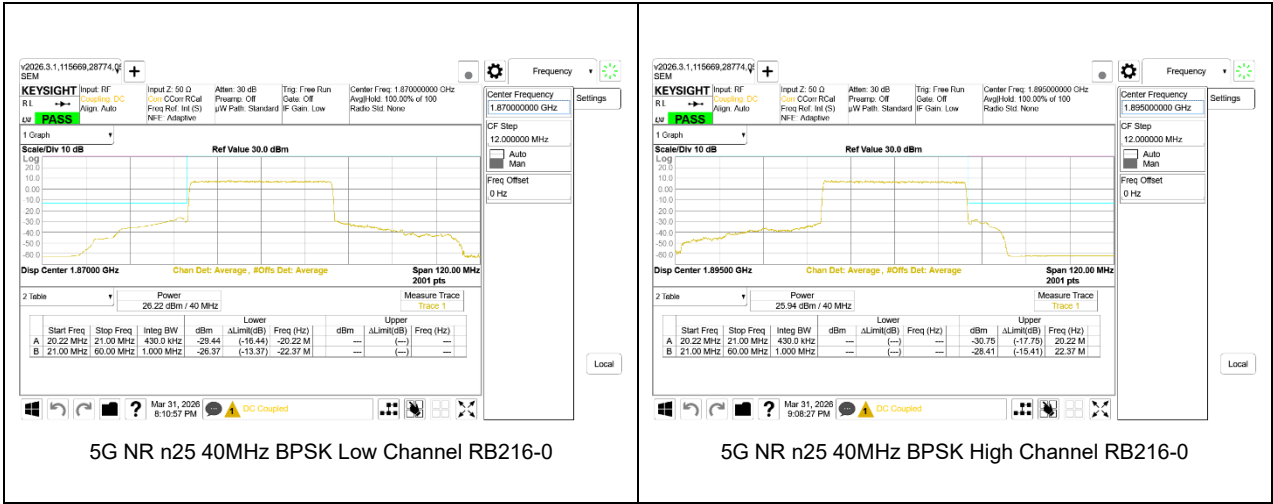
5G NR n25 35MHz BPSK High Channel RB1-187

5G NR n25 35MHz BPSK Low Channel RB180-0

5G NR n25 35MHz BPSK High Channel RB180-0

5G NR n25 40MHz BPSK Low Channel RB1-0

5G NR n25 40MHz BPSK High Channel RB1-215



9.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §24.238 (a)

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

ISED: RSS133§5.6

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

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
- 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)

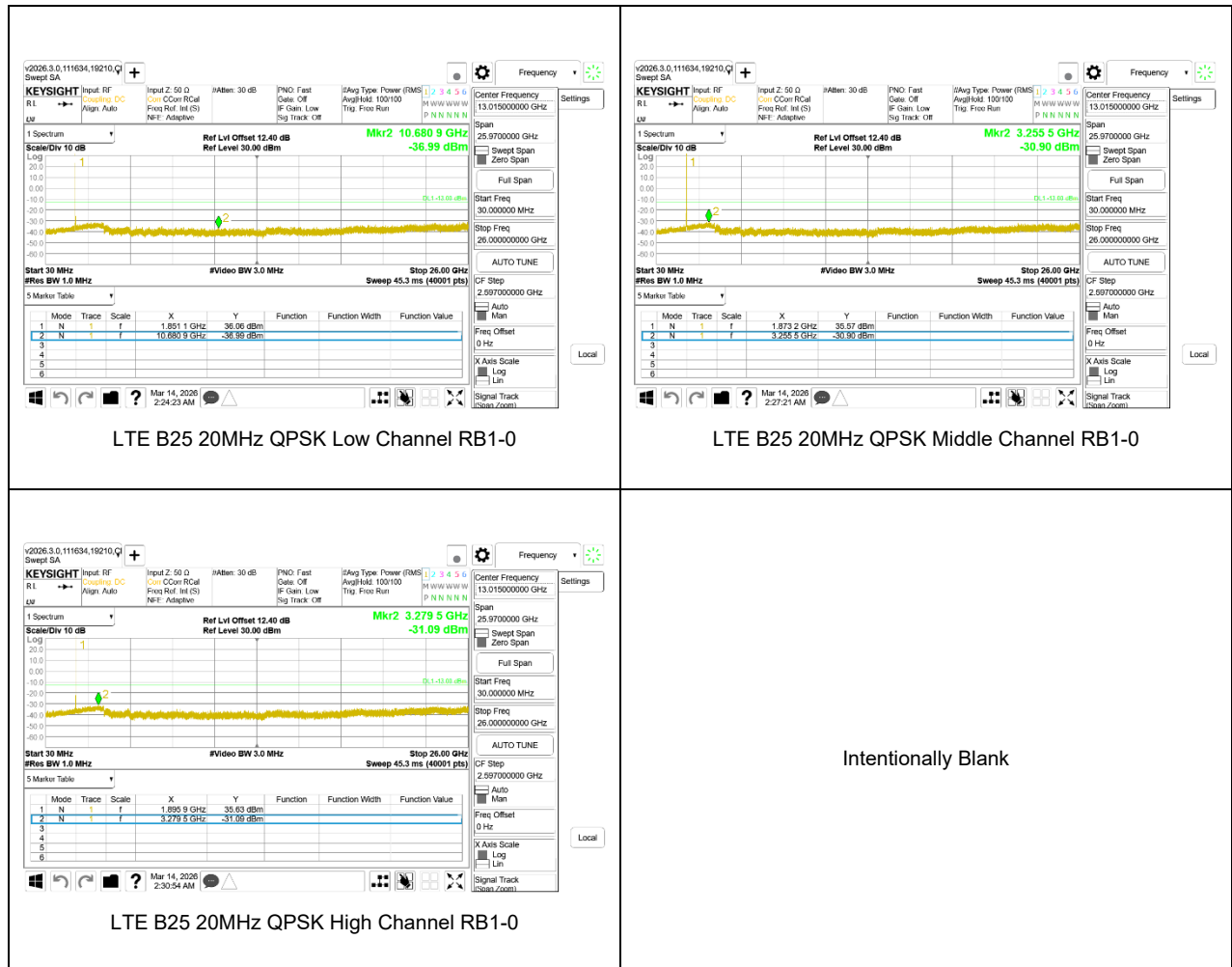
RESULTS

QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

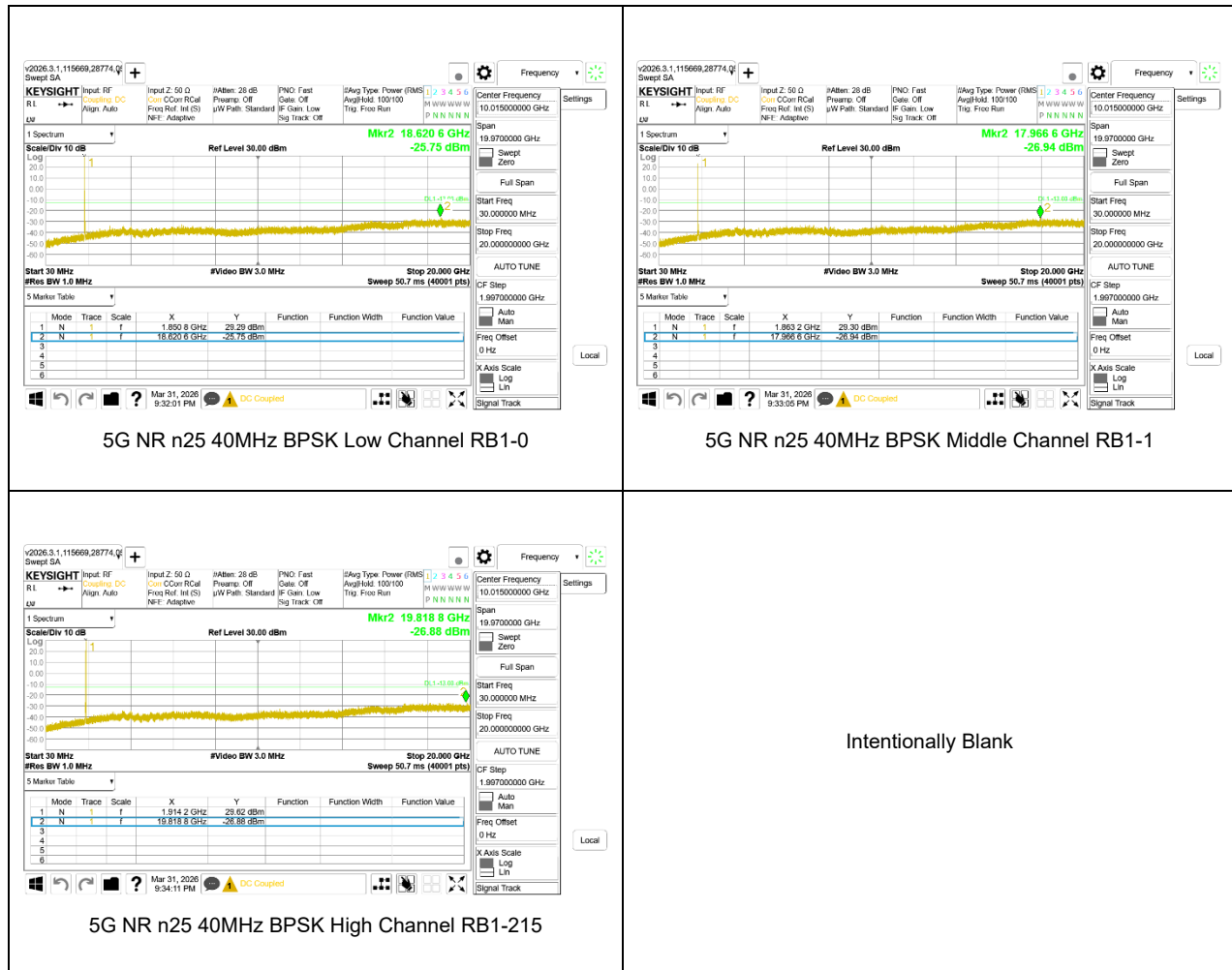
BPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, BPSK with 1RB and wider bandwidths results are reported as worst case for 5G NRs.

If Keysight PXA support both AC and DC coupling, then there will be a warning condition message appearing on the status line "DC coupled". This warning message does not impact test results.

9.3.1. LTE BAND 25



9.3.2. 5G NR n25



9.4. FREQUENCY STABILITY

LIMITS

FCC: §24.235

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

ISED: RSS133§5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to 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% - 115%)
Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 2.85VDC.

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.

9.4.1. LTE BAND 25 (QPSK 20MHz BANDWIDTH)

Test Engineer ID:	28774	Test Date:	2026-04-10
-------------------	-------	------------	------------

Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1851.0614	1913.9356			
Extreme (50°C)		1851.0614	1913.9356	-6.2	-0.003	Yes
Extreme (40°C)		1851.0614	1913.9356	-5.1	-0.003	Yes
Extreme (30°C)		1851.0614	1913.9356	-5.1	-0.003	Yes
Extreme (10°C)		1851.0614	1913.9356	-5.6	-0.003	Yes
Extreme (0°C)		1851.0614	1913.9356	-6.2	-0.003	Yes
Extreme (-10°C)		1851.0614	1913.9356	-5.3	-0.003	Yes
Extreme (-20°C)		1851.0614	1913.9356	-4.2	-0.002	Yes
Extreme (-30°C)		1851.0614	1913.9356	-5.2	-0.003	Yes
20°C	15%	1851.0614	1913.9356	-5.2	-0.003	Yes
	-15%	1851.0614	1913.9356	6.3	0.003	Yes
	End Point Voltage	1851.0614	1913.9356	-5.9	-0.003	Yes

9.4.2. 5G NR n25 (BPSK 40MHz BANDWIDTH)

Test Engineer ID:	28774	Test Date:	2026-04-15
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	1850.7012	1914.2737			
Extreme (50°C)		1850.7012	1914.2737	-31.8	-0.017	Yes
Extreme (40°C)		1850.7012	1914.2737	-6.1	-0.003	Yes
Extreme (30°C)		1850.7012	1914.2737	-5.9	-0.003	Yes
Extreme (10°C)		1850.7012	1914.2737	-6.7	-0.004	Yes
Extreme (0°C)		1850.7012	1914.2737	-7.5	-0.004	Yes
Extreme (-10°C)		1850.7012	1914.2737	-8.2	-0.004	Yes
Extreme (-20°C)		1850.7012	1914.2737	-8.3	-0.004	Yes
Extreme (-30°C)		1850.7012	1914.2737	-6.8	-0.004	Yes
20°C	15%	1850.7012	1914.2737	-5.9	-0.003	Yes
	-15%	1850.7012	1914.2737	-6.4	-0.003	Yes
	End Point Voltage	1850.7012	1914.2737	-6.9	-0.004	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

FCC: §24.232 (d)

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.

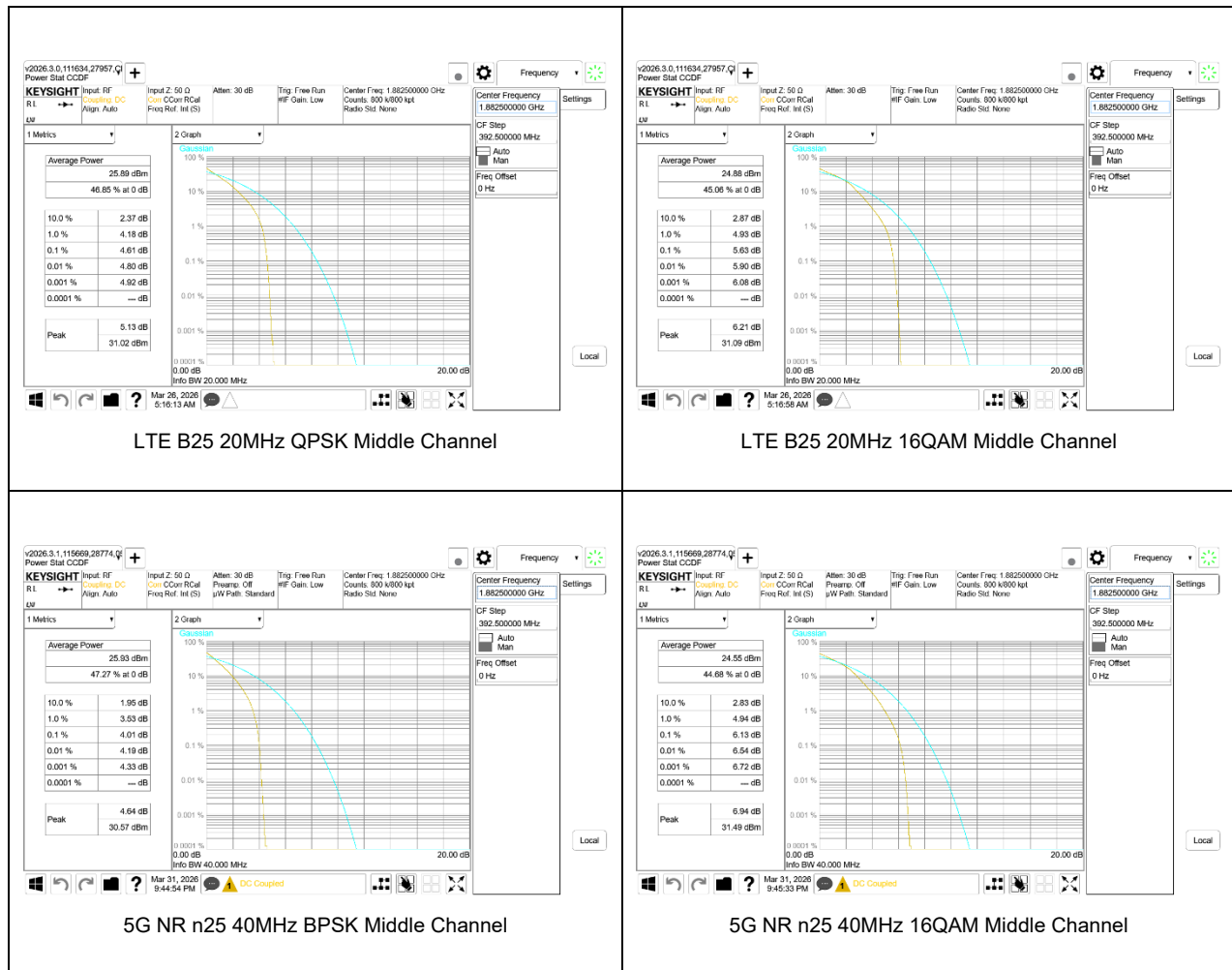
ISED: RSS133§5.5

In addition, the peak-to-average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

The worst-case antenna port for conducted power shown in section 6.5. was used 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.

Example Plots: FULL RB



9.5.1. LTE BAND 25

Test Engineer ID:	111634	Test Date:	2026-03-25
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 25	1.4MHz	1882.5	6	0	QPSK	30.54	25.75	4.79
					16QAM	30.72	24.76	5.96
	3MHz		15	0	QPSK	31.05	25.83	5.22
					16QAM	30.87	24.81	6.06
	5MHz		25	0	QPSK	30.76	25.82	4.94
					16QAM	31.01	24.86	6.15
	10MHz		50	0	QPSK	30.96	25.83	5.13
					16QAM	31.20	24.88	6.32
	15MHz		75	0	QPSK	31.06	26.06	5.00
					16QAM	30.89	24.9	5.99
20MHz	100	0	QPSK	31.02	25.89	5.13		
			16QAM	31.09	24.88	6.21		
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.2. 5G NR n25

Test Engineer ID:	115669	Test Date:	2026-03-31
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n25	5MHz	1882.5	25	0	BPSK	30.11	25.90	4.21
					16QAM	31.29	24.60	6.69
	10MHz		50	0	BPSK	30.11	25.90	4.21
					16QAM	31.36	24.61	6.75
	15MHz		75	0	BPSK	30.15	25.93	4.22
					16QAM	31.54	24.73	6.81
	20MHz		100	0	BPSK	30.24	26.06	4.18
					16QAM	31.51	24.80	6.71
	25MHz		128	0	BPSK	30.27	25.86	4.41
					16QAM	31.69	24.54	7.15
	30MHz		160	0	BPSK	30.35	25.93	4.42
					16QAM	31.43	24.67	6.76
	35MHz		180	0	BPSK	30.34	25.86	4.48
					16QAM	31.57	24.60	6.97
	40MHz		216	0	BPSK	30.57	25.93	4.64
					16QAM	31.49	24.55	6.94
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

10. RADIATED TEST RESULTS

LIMITS

FCC: §24.238(a)

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

ISED: RSS133§5.6

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table 3.

Table 3: Unwanted emission limits for all equipment	
Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm/(1% of OBW)
> 1	-13 dBm/MHz

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.

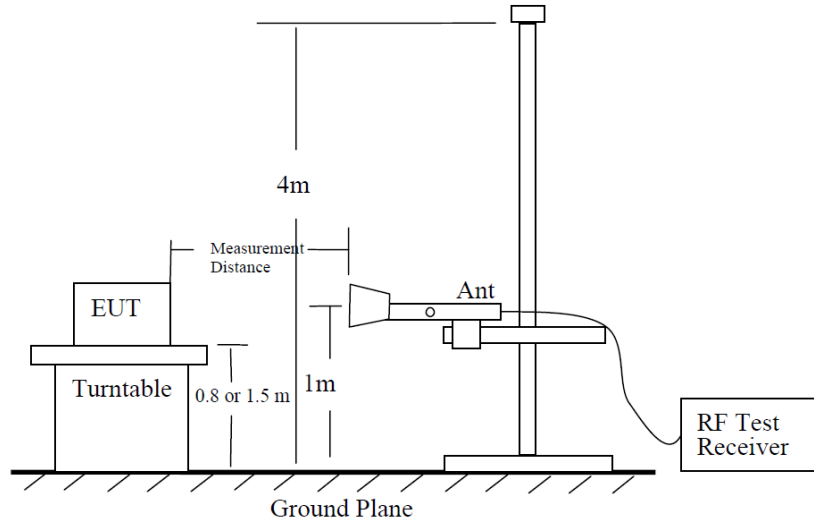


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

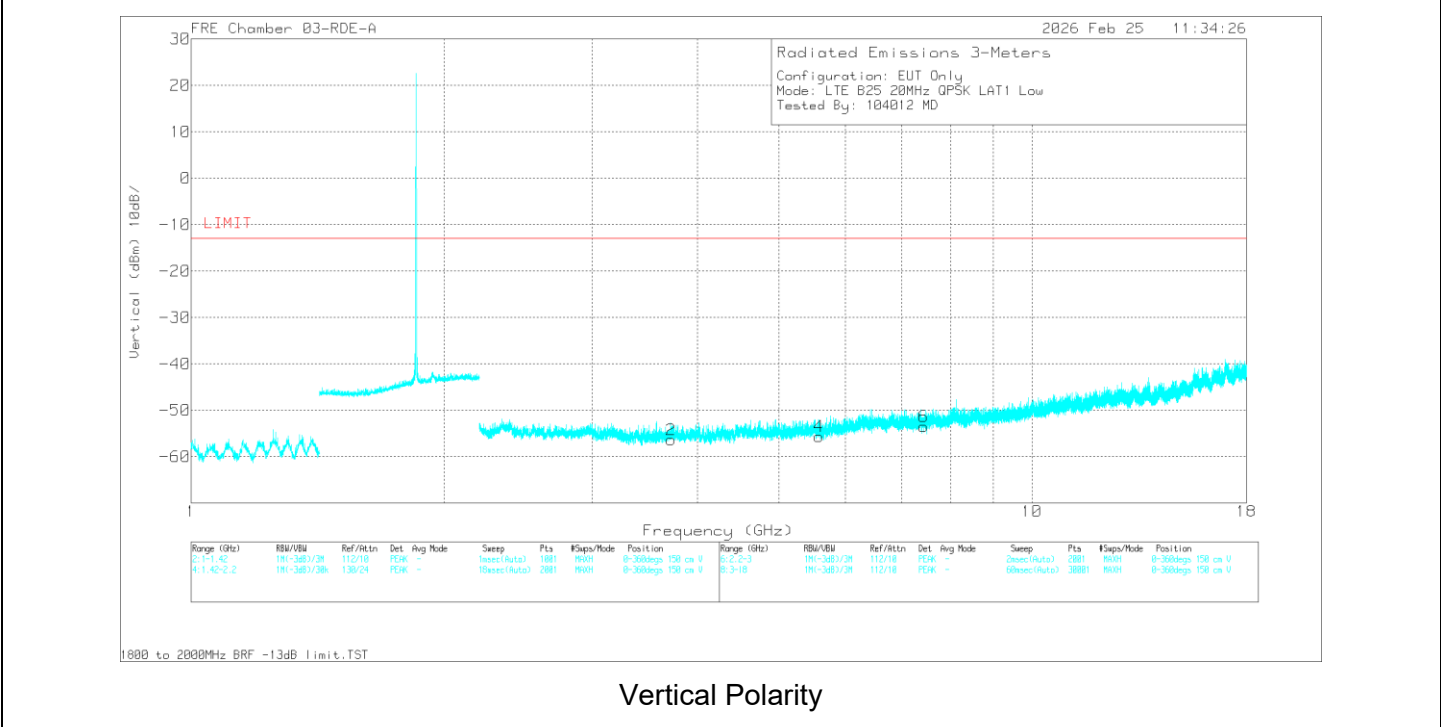
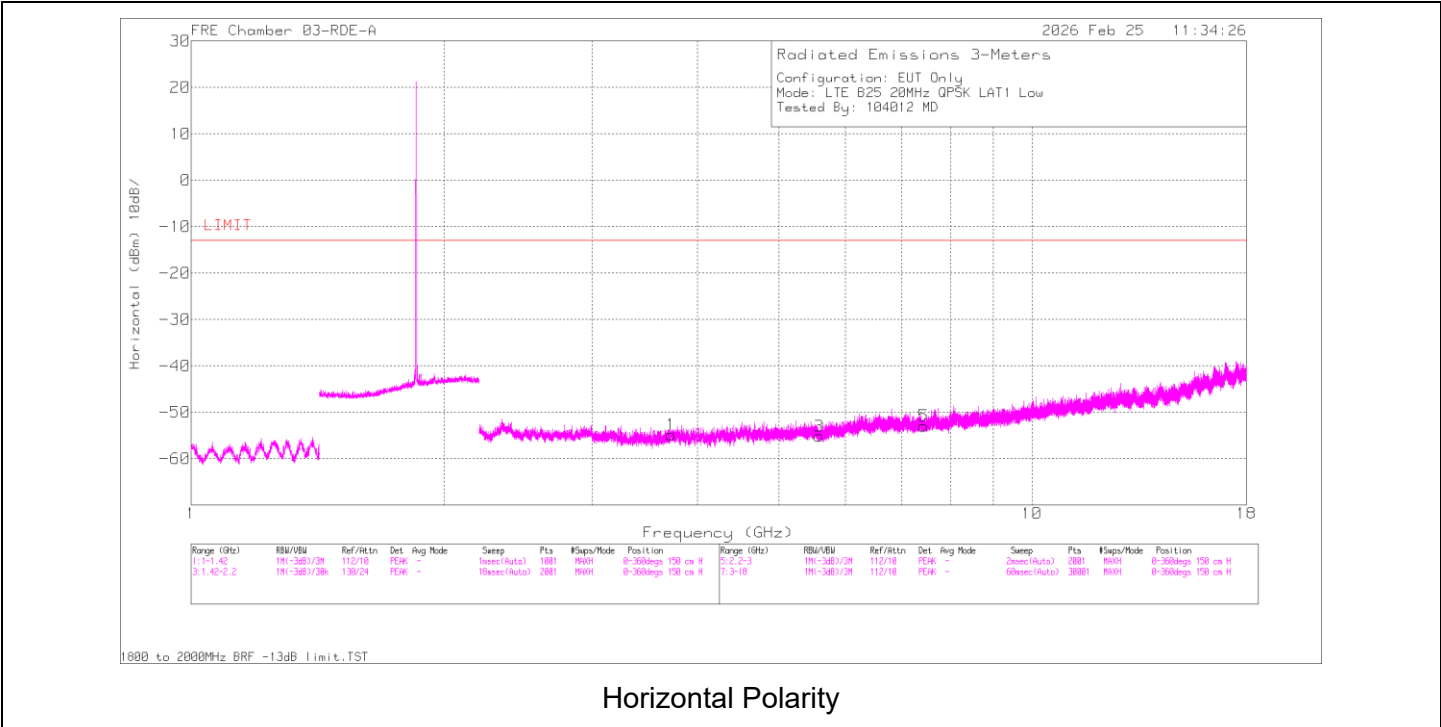
So, from d)

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.

Example Plot



Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
3.720000	54.44	Pk	33.3	-95.2	-47.40	-54.86	-13	-41.86	H
3.720000	52.93	Pk	33.3	-95.2	-47.40	-56.37	-13	-43.37	V
5.580000	53.05	Pk	34.4	-95.2	-47.40	-55.15	-13	-42.15	H
5.580000	52.61	Pk	34.4	-95.2	-47.40	-55.59	-13	-42.59	V
7.440000	53.07	Pk	35.8	-95.2	-46.60	-52.93	-13	-39.93	H
7.440000	52.55	Pk	35.8	-95.2	-46.60	-53.45	-13	-40.45	V

10.1. FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz

TEST PROCEDURE

KDB 971168 D01 /D02

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

RESULTS

10.1.1. LTE BAND 25

Configuration:	EUT Only
Mode	LTE B25 QPSK 20MHz

Date	Test Engineer	Chamber #	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	EIRP CF	Gain/ Loss (dB)	Correct Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
2/25/2026	104012	03-RDE-A	Low Ch 1860	14	3.720000	54.44	Pk	33.3	-95.2	-47.40	-54.86	-13	-41.86	H
					3.720000	52.93	Pk	33.3	-95.2	-47.40	-56.37	-13	-43.37	V
					5.580000	53.05	Pk	34.4	-95.2	-47.40	-55.15	-13	-42.15	H
					5.580000	52.61	Pk	34.4	-95.2	-47.40	-55.59	-13	-42.59	V
					7.440000	53.07	Pk	35.8	-95.2	-46.60	-52.93	-13	-39.93	H
					7.440000	52.55	Pk	35.8	-95.2	-46.60	-53.45	-13	-40.45	V
			Mid Ch 1882.5		3.765000	53.86	Pk	33.4	-95.2	-47.30	-55.24	-13	-42.24	H
					3.765000	53.89	Pk	33.4	-95.2	-47.30	-55.21	-13	-42.21	V
					5.647000	52.76	Pk	34.4	-95.2	-47.30	-55.34	-13	-42.34	H
					5.647000	53.75	Pk	34.4	-95.2	-47.30	-54.35	-13	-41.35	V
					7.530000	53.58	Pk	35.9	-95.2	-45.90	-51.62	-13	-38.62	H
					7.530000	52.36	Pk	35.9	-95.2	-45.90	-52.84	-13	-39.84	V
			High Ch 1905		3.810000	52.84	Pk	33.5	-95.2	-47.10	-55.96	-13	-42.96	H
					3.810000	53.21	Pk	33.5	-95.2	-47.10	-55.59	-13	-42.59	V
					5.715000	53.81	Pk	34.6	-95.2	-47.10	-53.89	-13	-40.89	H
					5.715000	53.02	Pk	34.6	-95.2	-47.10	-54.68	-13	-41.68	V
					7.620000	54.80	Pk	35.9	-95.2	-45.40	-49.90	-13	-36.90	H
					7.620000	54.10	Pk	35.9	-95.2	-45.40	-50.60	-13	-37.60	V
3/2/2026	25019	04-RDE-Q	Low Ch 1860	1	3.700500	53.34	Pk	33.1	-95.2	-45.94	-54.70	-13	-41.70	H
					3.700500	52.48	Pk	33.1	-95.2	-45.94	-55.56	-13	-42.56	V
					5.550500	53.45	Pk	34.6	-95.2	-46.24	-53.39	-13	-40.39	H
					5.550500	52.79	Pk	34.6	-95.2	-46.24	-54.05	-13	-41.05	V
					7.400500	55.25	Pk	35.6	-95.2	-44.96	-49.31	-13	-36.31	H
					7.400500	52.03	Pk	35.6	-95.2	-44.96	-52.53	-13	-39.53	V
			Mid Ch 1882.5		3.745500	53.83	Pk	33.3	-95.2	-46.38	-54.45	-13	-41.45	H
					3.745500	51.93	Pk	33.3	-95.2	-46.38	-56.35	-13	-43.35	V
					5.617000	52.27	Pk	34.6	-95.2	-46.22	-54.55	-13	-41.55	H
					5.617000	53.61	Pk	34.6	-95.2	-46.22	-53.21	-13	-40.21	V
					9.363000	51.19	Pk	36.5	-95.2	-43.93	-51.44	-13	-38.44	H
					9.363000	51.14	Pk	36.5	-95.2	-43.93	-51.49	-13	-38.49	V
			High Ch 1905		3.790500	54.23	Pk	33.3	-95.2	-46.66	-54.33	-13	-41.33	H
					3.790500	54.31	Pk	33.3	-95.2	-46.66	-54.25	-13	-41.25	V
					5.685500	50.87	Pk	34.7	-95.2	-46.17	-55.80	-13	-42.80	H
					5.685500	52.90	Pk	34.7	-95.2	-46.17	-53.77	-13	-40.77	V
					7.580500	51.36	Pk	35.6	-95.2	-44.69	-52.93	-13	-39.93	H
					7.580500	52.35	Pk	35.6	-95.2	-44.69	-51.94	-13	-38.94	V

Date	Test Engineer	Chamber #	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	EIRP CF	Gain/ Loss (dB)	Correct Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
3/3/2026	32990	04-RDE-Q	Low Ch 1860	3	3.699750	52.59	Pk	33.1	-95.2	-45.93	-55.44	-13	-42.44	H
					3.700000	51.35	Pk	33.1	-95.2	-45.93	-56.68	-13	-43.68	V
					5.550000	51.93	Pk	34.6	-95.2	-46.22	-54.89	-13	-41.89	H
					5.550000	52.22	Pk	34.6	-95.2	-46.22	-54.60	-13	-41.60	V
					7.400000	52.53	Pk	35.6	-95.2	-44.95	-52.02	-13	-39.02	H
					7.400000	52.47	Pk	35.6	-95.2	-44.95	-52.08	-13	-39.08	V
			Mid Ch 1882.5		3.745000	51.89	Pk	33.3	-95.2	-46.38	-56.39	-13	-43.39	H
					3.745000	51.62	Pk	33.3	-95.2	-46.38	-56.66	-13	-43.66	V
					5.617500	51.76	Pk	34.6	-95.2	-46.20	-55.04	-13	-42.04	H
					5.617500	53.23	Pk	34.6	-95.2	-46.20	-53.57	-13	-40.57	V
					7.490000	50.65	Pk	35.6	-95.2	-44.86	-53.81	-13	-40.81	H
					7.490000	50.91	Pk	35.6	-95.2	-44.86	-53.55	-13	-40.55	V
			High Ch 1905		3.790000	53.47	Pk	33.3	-95.2	-46.65	-55.08	-13	-42.08	H
					3.790000	54.07	Pk	33.3	-95.2	-46.65	-54.48	-13	-41.48	V
					5.685000	52.25	Pk	34.7	-95.2	-46.16	-54.41	-13	-41.41	H
					5.685000	51.16	Pk	34.7	-95.2	-46.16	-55.50	-13	-42.50	V
					7.580000	50.17	Pk	35.6	-95.2	-44.69	-54.12	-13	-41.12	H
					7.580000	50.34	Pk	35.6	-95.2	-44.69	-53.95	-13	-40.95	V
3/4/2026	32990	04-RDE-Q	Low Ch 1860	4	3.700000	52.00	Pk	33.1	-95.2	-45.93	-56.03	-13	-43.03	H
					3.700000	52.45	Pk	33.1	-95.2	-45.93	-55.58	-13	-42.58	V
					5.550000	51.98	Pk	34.6	-95.2	-46.22	-54.84	-13	-41.84	H
					5.550000	51.84	Pk	34.6	-95.2	-46.22	-54.98	-13	-41.98	V
					7.400000	52.34	Pk	35.6	-95.2	-44.95	-52.21	-13	-39.21	H
					7.400000	51.64	Pk	35.6	-95.2	-44.95	-52.91	-13	-39.91	V
			Mid Ch 1882.5		3.745000	53.26	Pk	33.3	-95.2	-46.38	-55.02	-13	-42.02	H
					3.745000	53.32	Pk	33.3	-95.2	-46.38	-54.96	-13	-41.96	V
					5.617500	53.30	Pk	34.6	-95.2	-46.20	-53.50	-13	-40.50	H
					5.617500	53.09	Pk	34.6	-95.2	-46.20	-53.71	-13	-40.71	V
					7.490000	51.28	Pk	35.6	-95.2	-44.86	-53.18	-13	-40.18	H
					7.490000	52.82	Pk	35.6	-95.2	-44.86	-51.64	-13	-38.64	V
			High Ch 1905		3.790000	54.02	Pk	33.3	-95.2	-46.65	-54.53	-13	-41.53	H
					3.790000	53.44	Pk	33.3	-95.2	-46.65	-55.11	-13	-42.11	V
					5.685000	53.88	Pk	34.7	-95.2	-46.16	-52.78	-13	-39.78	H
					5.685000	51.48	Pk	34.7	-95.2	-46.16	-55.18	-13	-42.18	V
					7.580000	51.21	Pk	35.6	-95.2	-44.69	-53.08	-13	-40.08	H
					7.580000	51.13	Pk	35.6	-95.2	-44.69	-53.16	-13	-40.16	V

10.1.2. 5G NR n25

Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz

Date	Test Engineer	Chamber #	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	EIRP CF	Gain/ Loss (dB)	Correct Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
2/25/2026	115536	03-RDE-B	Low Ch 1870	14	3.740500	52.81	Pk	33.1	-95.2	-47.39	-56.68	-13	-43.68	H
					3.740500	52.64	Pk	33.1	-95.2	-47.39	-56.85	-13	-43.85	V
					5.610000	54.77	Pk	34.4	-95.2	-48.03	-54.06	-13	-41.06	H
					5.610000	52.84	Pk	34.4	-95.2	-48.03	-55.99	-13	-42.99	V
					7.480000	53.46	Pk	35.7	-95.2	-47.71	-53.75	-13	-40.75	H
					7.480000	54.55	Pk	35.7	-95.2	-47.71	-52.66	-13	-39.66	V
			Mid Ch 1882.5		3.765500	56.03	Pk	33.1	-95.2	-47.66	-53.73	-13	-40.73	H
					3.765500	55.64	Pk	33.1	-95.2	-47.66	-54.12	-13	-41.12	V
					5.647500	54.52	Pk	34.5	-95.2	-48.03	-54.21	-13	-41.21	H
					5.647500	54.14	Pk	34.5	-95.2	-48.03	-54.59	-13	-41.59	V
					7.530500	54.54	Pk	35.7	-95.2	-47.30	-52.26	-13	-39.26	H
					7.530500	54.12	Pk	35.7	-95.2	-47.30	-52.68	-13	-39.68	V
			High Ch 1895		3.790500	56.51	Pk	33.2	-95.2	-47.73	-53.22	-13	-40.22	H
					3.790500	54.87	Pk	33.2	-95.2	-47.73	-54.86	-13	-41.86	V
					5.685500	52.91	Pk	34.5	-95.2	-47.68	-55.47	-13	-42.47	H
					5.685500	53.53	Pk	34.5	-95.2	-47.68	-54.85	-13	-41.85	V
					7.580500	53.17	Pk	35.7	-95.2	-46.90	-53.23	-13	-40.23	H
					7.580500	53.46	Pk	35.7	-95.2	-46.90	-52.94	-13	-39.94	V
3/2/2025	115536	03-RDE-B	Low Ch 1870	1	3.740000	53.15	Pk	33.1	-95.2	-47.38	-56.33	-13	-43.33	H
					3.740000	53.54	Pk	33.1	-95.2	-47.38	-55.94	-13	-42.94	V
					5.610000	53.25	Pk	34.4	-95.2	-48.03	-55.58	-13	-42.58	H
					5.610000	53.51	Pk	34.4	-95.2	-48.03	-55.32	-13	-42.32	V
					7.480000	54.38	Pk	35.7	-95.2	-47.71	-52.83	-13	-39.83	H
					7.480000	54.44	Pk	35.7	-95.2	-47.71	-52.77	-13	-39.77	V
			Mid Ch 1882.5		3.765000	53.76	Pk	33.1	-95.2	-47.66	-56.00	-13	-43.00	H
					3.765000	55.29	Pk	33.1	-95.2	-47.66	-54.47	-13	-41.47	V
					5.647500	54.78	Pk	34.5	-95.2	-48.03	-53.95	-13	-40.95	H
					5.647500	53.81	Pk	34.5	-95.2	-48.03	-54.92	-13	-41.92	V
					7.530000	54.62	Pk	35.7	-95.2	-47.30	-52.18	-13	-39.18	H
					7.530000	55.25	Pk	35.7	-95.2	-47.30	-51.55	-13	-38.55	V
			High Ch 1895		3.790000	54.58	Pk	33.2	-95.2	-47.73	-55.15	-13	-42.15	H
					3.790000	55.13	Pk	33.2	-95.2	-47.73	-54.60	-13	-41.60	V
					5.685000	54.44	Pk	34.5	-95.2	-47.67	-53.93	-13	-40.93	H
					5.685000	53.88	Pk	34.5	-95.2	-47.67	-54.49	-13	-41.49	V
					7.580000	53.73	Pk	35.7	-95.2	-46.91	-52.68	-13	-39.68	H
					7.580000	54.05	Pk	35.7	-95.2	-46.91	-52.36	-13	-39.36	V

Date	Test Engineer	Chamber #	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	EIRP CF	Gain/ Loss (dB)	Correct Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
3/5/2026	32990	04-RDE-Q	Low Ch 1870	3	3.700000	51.69	Pk	33.1	-95.2	-45.93	-56.34	-13	-43.34	H
					3.700000	51.61	Pk	33.1	-95.2	-45.93	-56.42	-13	-43.42	V
					5.550000	51.49	Pk	34.6	-95.2	-46.22	-55.33	-13	-42.33	H
					5.550000	52.78	Pk	34.6	-95.2	-46.22	-54.04	-13	-41.04	V
					7.400000	52.05	Pk	35.6	-95.2	-44.95	-52.50	-13	-39.50	H
					7.400000	50.49	Pk	35.6	-95.2	-44.95	-54.06	-13	-41.06	V
			3.725000		52.09	Pk	33.2	-95.2	-46.14	-56.05	-13	-43.05	H	
			3.725000		51.60	Pk	33.2	-95.2	-46.14	-56.54	-13	-43.54	V	
			5.587500		52.63	Pk	34.6	-95.2	-46.21	-54.18	-13	-41.18	H	
			5.587500		52.13	Pk	34.6	-95.2	-46.21	-54.68	-13	-41.68	V	
			7.450000		52.82	Pk	35.6	-95.2	-45.10	-51.88	-13	-38.88	H	
			7.450000		50.74	Pk	35.6	-95.2	-45.10	-53.96	-13	-40.96	V	
			3.750000		53.38	Pk	33.3	-95.2	-46.42	-54.94	-13	-41.94	H	
			3.750000		53.01	Pk	33.3	-95.2	-46.42	-55.31	-13	-42.31	V	
			5.625000		53.73	Pk	34.6	-95.2	-46.19	-53.06	-13	-40.06	H	
			5.625000		52.35	Pk	34.6	-95.2	-46.19	-54.44	-13	-41.44	V	
			7.500000		53.08	Pk	35.6	-95.2	-44.69	-51.21	-13	-38.21	H	
			7.500000		50.54	Pk	35.6	-95.2	-44.69	-53.75	-13	-40.75	V	
3/9/2026	32186	04-RDE-Q	Low Ch 1870	4	4.489000	52.48	Pk	34.2	-95.2	-46.60	-55.12	-13	-42.12	H
					4.489000	53.26	Pk	34.2	-95.2	-46.60	-54.34	-13	-41.34	V
					6.526000	50.75	Pk	35.7	-95.2	-44.66	-53.41	-13	-40.41	H
					6.526000	51.42	Pk	35.7	-95.2	-44.66	-52.74	-13	-39.74	V
					9.718500	52.77	Pk	36.9	-95.2	-44.24	-49.77	-13	-36.77	H
					9.718500	51.90	Pk	36.9	-95.2	-44.24	-50.64	-13	-37.64	V
			4.512000		53.26	Pk	34.2	-95.2	-46.85	-54.59	-13	-41.59	H	
			4.512000		53.33	Pk	34.2	-95.2	-46.85	-54.52	-13	-41.52	V	
			7.160000		51.95	Pk	35.6	-95.2	-45.03	-52.68	-13	-39.68	H	
			7.160000		52.46	Pk	35.6	-95.2	-45.03	-52.17	-13	-39.17	V	
			10.847000		52.61	Pk	37.7	-95.2	-44.51	-49.40	-13	-36.40	H	
			10.847000		53.97	Pk	37.7	-95.2	-44.51	-48.04	-13	-35.04	V	
			4.504500		52.59	Pk	34.2	-95.2	-46.83	-55.24	-13	-42.24	H	
			4.504500		54.01	Pk	34.2	-95.2	-46.83	-53.82	-13	-40.82	V	
			6.548500		51.76	Pk	35.7	-95.2	-44.45	-52.19	-13	-39.19	H	
			6.548500		51.61	Pk	35.7	-95.2	-44.45	-52.34	-13	-39.34	V	
			9.619000		52.93	Pk	36.8	-95.2	-43.93	-49.40	-13	-36.40	H	
			9.619000		52.99	Pk	36.8	-95.2	-43.93	-49.34	-13	-36.34	V	

11. SETUP PHOTOS

Refer to 15982167-EP1 for setup photos.

END OF REPORT