

TEST REPORT

Report Number: 16064952-E28V2

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

Model : A3447 (Parent)
A3719, A3720, A3721 (Variants)

Brand : APPLE

FCC ID : BCG-E9188A (Parent)
BCG-E9198A, BCG-E9203A, BCG-E9204A (Variants)

IC : 579C-E9188A (Parent)
579C-E9198A, 579C-E9203A, 579C-E9204A (Variants)

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 2, PART 27
ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-195 ISSUE 3

Date Of Issue:
2026-07-25

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Revision History

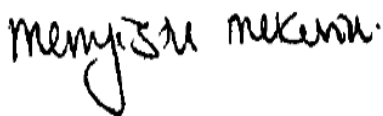
Rev.	Issue Date	Revisions	Revised By
V1	2026-07-23	Initial Review	--
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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3447 (Parent) A3719, A3720, A3721 (Variants)	
Brand	APPLE	
FCC ID	BCG-E9188A (Parent) BCG-E9198A, BCG-E9203A, BCG-E9204A (Variants)	
IC	579C-E9188A (Parent) 579C-E9198A, 579C-E9203A, 579C-E9204A (Variants)	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: M9XW43Y9TY, J1CJ2P3FP3, RVWGVQRPF4 CONDUCTED: C07HLA000180001B59 C07HSW003090000ZYA, C07HTK0004W0001B5H	
Sample Receipt Date	2025-11-10	
Date Tested	2026-01-26 to 2026-05-21	
Applicable Standards	FCC 47 CFR PART 2, PART 27 ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-195 ISSUE 3	
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.	Michael Vang Senior Test Engineer UL Solutions Inc.	Tewodros Woldemichael Laboratory Engineer UL Solutions Inc.

2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact 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 the list of 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	27.50 (a) (3)	RSS195§5.5	Complies	
Occupied Bandwidth	2.1049	RSS-GEN§6.7, RSS195	Complies	
Band Edge and Emission Mask	2.1051, 27.53(a)	RSS195§5.6 & §5.6.2	Complies	
Out of Band Emissions	2.1051, 27.53(a)	RSS195§5.6.2	Complies	
Frequency Stability	2.1055, 27.54	RSS195§5.4	Complies	
Peak-to-Average Ratio	-	-	Complies	
Field Strength of Spurious Radiation	2.1053, 27.53(a)	RSS195§5.6 & §5.6.2	Complies	

3. TEST METHODOLOGY

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

- ANSI C63.26:2015
- ANSI/TIA-603-E (2016)
- FCC 47 CFR Part 2, Part 27
- [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
- ISED RSS-Gen Issue 5 + A1 + A2, RSS-195 Issue 3.

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

The Apple iPhone is a smartphone (Foldable) 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.

This test report for A3447 (FCC ID: BCG-E9188A, IC: 579C-E9188A) may be used to support certification for variant models A3719, A3720, and A3721 (FCC ID: BCG-E9198A, BCG-E9203A, and BCG-E9204A; IC: 579C-E9198A, 579C-E9203A, 579C-E9204A) in conjunction with spot check test report 16064943-E1 (FCC)/ 16064943-E2 (IC) using the procedures for data referencing as permitted by the FCC andISED Canada.

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 30

Part 27 / RSS 195									
EIRP Limit (W)		0.25							
Antenna Gain (dBi)		-1.20							
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	QPSK	2307.5	2312.5	24.70	23.50	0.224	4.530	4530	4M53G7W
	16QAM			23.71	22.51	0.178	4.515	4515	4M52D7W
10.0	QPSK	2310.0	2310.0	24.70	23.50	0.224	9.020	9020	9M02G7W
	16QAM			23.76	22.56	0.180	9.006	9006	9M01D7W

5G NR n30

Part 27 / RSS 195									
EIRP Limit (W)		0.25							
Antenna Gain (dBi)		-1.20							
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	2307.5	2312.5	24.60	23.40	0.219	4.505	4505	4M51G7W
	QPSK			24.70	23.50	0.224	4.477	4477	4M48G7W
	16QAM			23.72	22.52	0.179	4.487	4487	4M49D7W
10.0	BPSK	2310.0	2310.0	24.64	23.44	0.221	8.977	8977	8M98G7W
	QPSK			24.70	23.50	0.224	8.957	8957	8M96G7W
	16QAM			23.75	22.55	0.180	8.993	8993	8M99D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 24A388.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

The IFA antenna(s) gain, 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 30 / 5G NR n30	2305 - 2315	STATE A			
		ANT2	-1.60	25.0	23.40
		ANT1	-4.90	22.7	17.80
		ANT14	-7.40	24.9	17.50
		ANT3	-3.30	23.7	20.40
		STATE B			
		ANT2	-1.20	24.7	23.50
		ANT1	-1.30	22.7	21.40
		ANT14	-7.50	24.9	17.40
		ANT3	-2.30	23.7	21.40

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- LTE Band 30, 5G NR n30

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 30, 5G NR n30	Ant 2

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	ANT1	ANT2	ANT3	ANT4
2300 – 2700 MHz	STATE A			
	Z	X	Z	Y
	STATE B			
	X	Z	Z	X

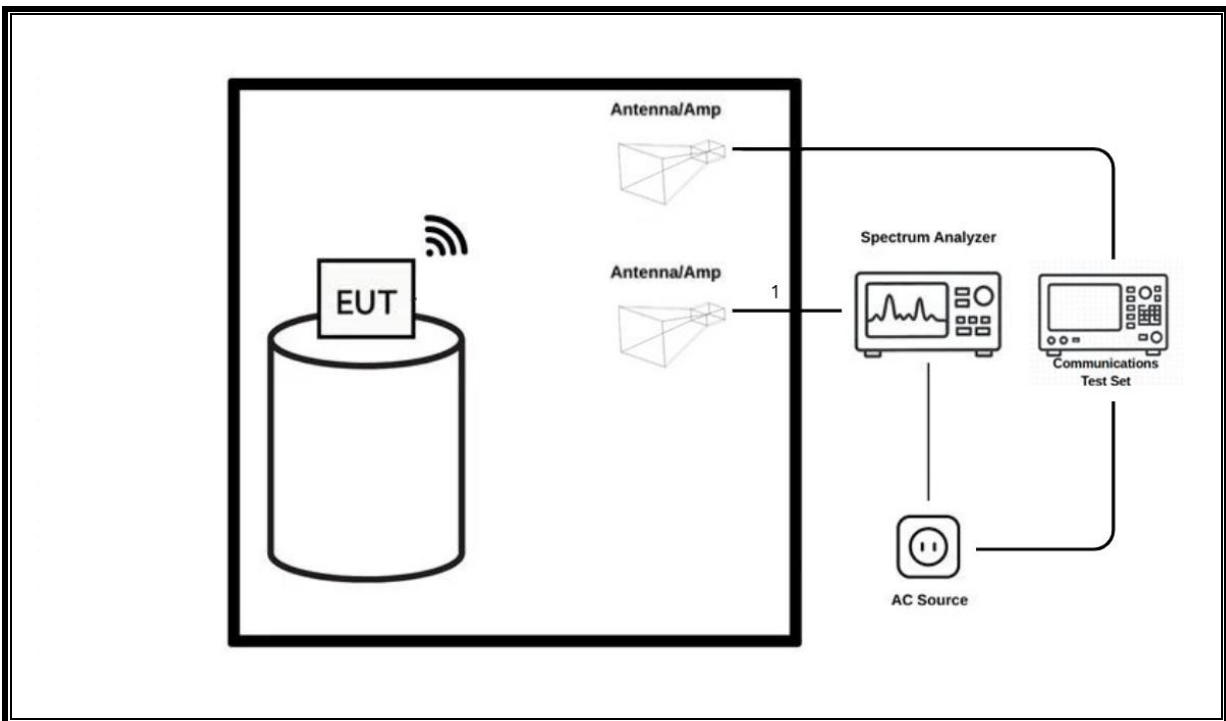
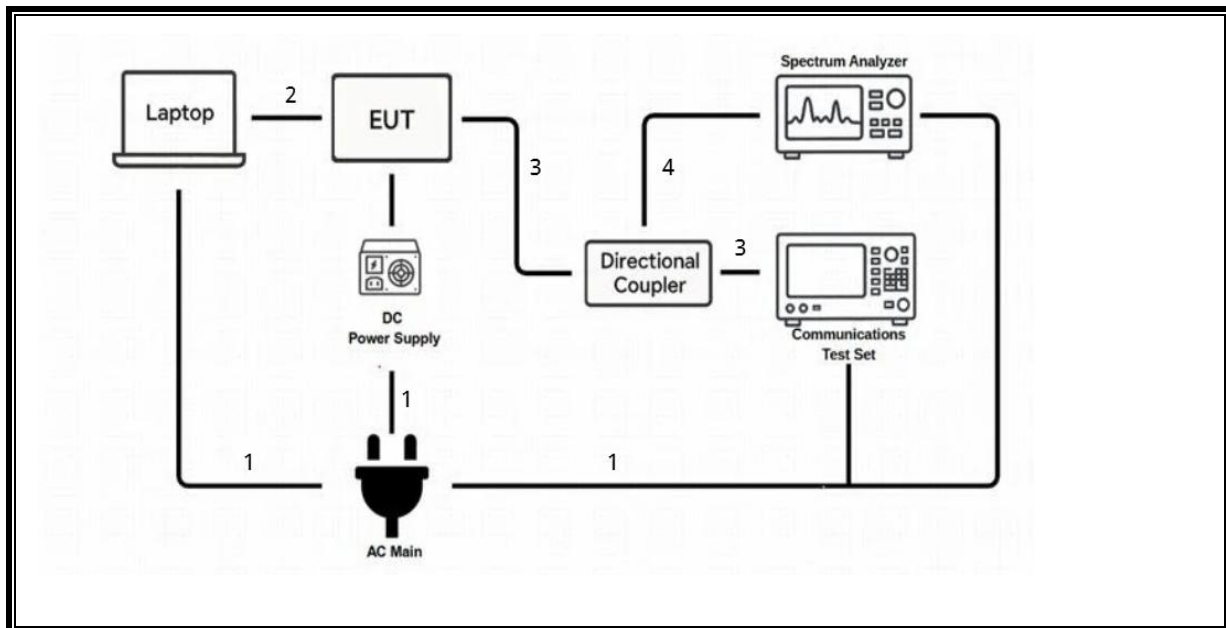
Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 30MHz, 30MHz-1GHz and above 18GHz.

For simultaneous transmission of multiple channels in the 2.4GHz/5GHz WLAN 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	JWV2QWM0DT	BCGA2338	
Laptop		Apple	MacBook Pro	FG6Q9RW54Y	BCGA2338	
Laptop		Apple	MacBook Pro	XC2KF6F2D7	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 STUP

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	226079	2027-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	230299	2026-09-30
*RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	226780	2026-05-01
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169937	5/31/2027
Antenna, Horn 1-18GHz	ETS Lindgren	84797	80402	10/31/2026
*RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	225079	2/28/2027
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	230878	5/31/2027
Antenna, Horn 1-18GHz	ETS Lindgren	84797	200897	5/31/2028
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	3/18/2027
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	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

NOTES:

- * Testing is completed before equipment expiration date.
- ** Equipment listed above 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 30

STATE A

Test Engineer ID:	116989	Test Date:	2026-05-27
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OUTPUT POWER FOR LTE BAND 30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				27685	27710	27735	27685	27710	27735	27685	27710	27735	27685	27710	27735
5.0	QPSK	1	0	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5
		1	12	24.38	24.38	24.40	21.88	22.11	22.25	24.47	24.26	24.23	23.16	23.24	23.13
		1	24	24.32	24.38	24.45	22.02	22.19	22.23	24.31	24.32	24.24	23.33	23.15	23.23
		1	24	24.43	24.45	24.54	22.19	22.23	22.15	24.36	24.25	24.24	23.12	23.19	23.21
		2	0	24.90	24.87	24.88	22.43	22.57	22.70	24.90	24.81	24.82	23.59	23.70	23.62
		2	23	24.89	24.94	25.00	22.65	22.69	22.60	24.82	24.77	24.75	23.58	23.69	23.64
		12	0	23.88	23.90	23.82	21.53	21.68	21.64	23.90	23.86	23.76	22.65	22.65	22.63
		12	6	23.81	23.86	23.90	21.61	21.63	21.69	23.84	23.83	23.72	22.72	22.59	22.67
		12	11	23.86	23.81	23.88	21.64	21.64	21.77	23.85	23.82	23.81	22.67	22.60	22.67
		25	0	23.83	23.79	23.91	21.63	21.65	21.68	23.86	23.84	23.75	22.74	22.65	22.69
	16QAM	1	0	23.59	23.46	23.47	21.20	21.10	21.25	23.54	23.44	23.39	22.20	22.34	22.15
		1	12	23.50	23.42	23.53	21.23	21.16	21.24	23.45	23.53	23.37	22.33	22.24	22.29
		1	24	23.44	23.61	23.62	21.40	21.33	21.15	23.51	23.41	23.39	22.24	22.38	22.31
		2	0	23.92	23.86	23.92	21.54	21.61	21.70	23.91	23.90	23.88	22.60	22.62	22.64
		2	23	24.00	23.95	24.01	21.67	21.64	23.92	23.81	23.77	22.60	22.59	22.63	
		12	0	22.87	22.87	22.76	20.54	20.55	20.43	22.85	22.77	22.71	21.63	21.58	21.52
		12	6	22.75	22.85	22.79	20.59	20.52	20.53	22.79	22.77	22.71	21.67	21.49	21.59
		12	11	22.84	22.76	22.79	20.64	20.56	20.57	22.79	22.75	22.74	21.60	21.49	21.55
		25	0	22.74	22.76	22.82	20.49	20.55	20.53	22.79	22.75	22.67	21.70	21.52	21.56
		1	0	22.44	22.41	22.42	20.12	20.19	20.14	22.50	22.36	22.40	21.16	21.30	21.19
	64QAM	1	12	22.41	22.39	22.56	20.18	20.19	20.11	22.42	22.29	22.38	21.27	21.25	21.28
		1	24	22.49	22.56	22.61	20.26	20.19	20.24	22.32	22.39	22.42	21.22	21.35	21.36
		2	0	22.93	22.85	22.77	20.43	20.58	20.55	22.92	22.87	22.89	21.58	21.82	21.67
		2	23	22.91	22.87	22.95	20.62	20.61	20.53	22.87	22.81	22.77	21.63	21.72	21.65
		12	0	21.82	21.82	21.76	19.46	19.54	19.45	21.86	21.77	21.70	20.66	20.65	20.57
		12	6	21.79	21.85	21.78	19.53	19.51	19.53	21.76	21.79	21.69	20.72	20.56	20.60
		12	11	21.81	21.76	21.80	19.57	19.55	19.54	21.75	21.78	21.76	20.64	20.56	20.57
		25	0	21.75	21.77	21.76	19.49	19.54	19.53	21.79	21.76	21.71	20.68	20.56	20.60
	256QAM	1	0	19.60	19.39	19.37	17.07	17.26	17.29	19.49	19.40	19.53	18.17	18.18	18.03
		1	12	19.41	19.35	19.41	17.18	17.23	17.10	19.31	19.39	19.25	18.31	18.10	18.22
		1	24	19.50	19.43	19.55	17.26	17.20	17.18	19.39	19.33	19.32	18.05	18.18	18.21
		2	0	19.89	19.78	19.86	17.46	17.54	17.66	19.94	19.74	19.82	18.58	18.72	18.53
		2	23	19.92	19.85	19.94	17.66	17.68	17.58	19.83	19.73	19.67	18.54	18.60	18.56
		12	0	19.79	19.75	19.68	17.42	17.59	17.46	19.81	19.73	19.68	18.55	18.52	18.45
		12	6	19.72	19.75	19.73	17.47	17.55	17.49	19.70	19.69	19.64	18.57	18.45	18.46
		12	11	19.73	19.71	19.71	17.55	17.54	17.57	19.71	19.71	19.69	18.56	18.47	18.46
		25	0	19.70	19.71	19.73	17.50	17.53	17.48	19.75	19.70	19.67	18.60	18.45	18.47

OUTPUT POWER FOR LTE BAND 30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A
10.0	QPSK	1	0	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A
		1	24		24.33			21.83			24.35			23.11	
		1	49		24.42			22.17			24.36			23.10	
		1	49		24.49			22.15			24.22			23.11	
		2	0		24.98			22.56			24.90			23.60	
		2	48		25.00			22.70			24.73			23.70	
		25	0		23.86			21.69			23.88			22.75	
		25	12		23.90			21.70			23.86			22.64	
		25	24		23.90			21.71			23.78			22.66	
		50	0		23.92			21.78			23.88			22.70	
	16QAM	1	0		23.48			21.20			23.46			22.15	
		1	24		23.47			21.31			23.41			22.21	
		1	49		23.66			21.23			23.38			22.17	
		2	0		23.97			21.67			23.96			22.70	
		2	48		24.06			21.85			23.84			22.76	
		25	0		22.80			20.65			22.81			21.68	
		25	12		22.82			20.69			22.75			21.55	
		25	24		22.83			20.73			22.65			21.61	
		50	0		22.81			20.79			22.81			21.56	
		1	0		22.52			20.31			22.50			21.27	
	64QAM	1	24		22.52			20.29			22.35			21.29	
		1	49		22.48			20.37			22.54			21.34	
		2	0		22.95			20.63			23.03			21.73	
		2	48		23.04			20.76			22.85			21.68	
		25	0		21.81			19.61			21.79			20.78	
		25	12		21.81			19.66			21.76			20.61	
		25	24		21.80			19.67			21.74			20.66	
		50	0		21.80			19.74			21.83			20.66	
		1	0		19.56			17.25			19.57			18.29	
		1	24		19.51			17.47			19.36			18.33	
	256QAM	1	49		19.46			17.22			19.39			18.30	
		2	0		19.90			17.62			19.99			18.60	
		2	48		20.02			17.78			19.82			18.62	
		25	0		19.83			17.63			19.71			18.67	
		25	12		19.80			17.68			19.69			18.53	
		25	24		19.83			17.69			19.67			18.61	
		50	0		19.79			17.75			19.77			18.59	

STATE B

Test Engineer ID:	116989	Test Date:	2026-05-27
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OUTPUT POWER FOR LTE BAND 30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				27685	27710	27735	27685	27710	27735	27685	27710	27735	27685	27710	27735
5.0	QPSK	1	0	24.08	24.08	24.10	21.88	22.11	22.25	24.47	24.26	24.23	23.16	23.24	23.13
		1	12	24.02	24.08	24.15	22.02	22.19	22.23	24.31	24.32	24.24	23.33	23.15	23.23
		1	24	24.13	24.15	24.24	22.19	22.23	22.15	24.36	24.25	24.24	23.12	23.19	23.21
		2	0	24.60	24.57	24.58	22.43	22.57	22.70	24.90	24.81	24.82	23.59	23.70	23.62
		2	23	24.59	24.64	24.70	22.65	22.69	22.60	24.82	24.77	24.75	23.58	23.69	23.64
		12	0	23.58	23.60	23.52	21.53	21.68	21.64	23.90	23.86	23.76	22.65	22.65	22.63
		12	6	23.51	23.56	23.60	21.61	21.63	21.69	23.84	23.83	23.72	22.72	22.59	22.67
		12	11	23.56	23.51	23.58	21.64	21.64	21.77	23.85	23.82	23.81	22.67	22.60	22.67
		25	0	23.53	23.49	23.61	21.63	21.65	21.68	23.86	23.84	23.75	22.74	22.65	22.69
		1	0	23.29	23.16	23.17	21.20	21.10	21.25	23.54	23.44	23.39	22.20	22.34	22.15
	16QAM	1	12	23.20	23.12	23.23	21.23	21.16	21.24	23.45	23.53	23.37	22.33	22.24	22.29
		1	24	23.14	23.31	23.32	21.40	21.33	21.15	23.51	23.41	23.39	22.24	22.38	22.31
		2	0	23.62	23.56	23.62	21.54	21.61	21.70	23.91	23.90	23.88	22.60	22.62	22.64
		2	23	23.70	23.65	23.71	21.79	21.67	21.64	23.92	23.81	23.77	22.60	22.59	22.63
		12	0	22.57	22.57	22.46	20.54	20.55	20.43	22.85	22.77	22.71	21.63	21.58	21.52
		12	6	22.45	22.55	22.49	20.59	20.52	20.53	22.79	22.77	22.71	21.67	21.49	21.59
		12	11	22.54	22.46	22.49	20.64	20.56	20.57	22.79	22.75	22.74	21.60	21.49	21.55
		25	0	22.44	22.46	22.52	20.49	20.55	20.53	22.79	22.75	22.67	21.70	21.52	21.56
		1	0	22.14	22.11	22.12	20.12	20.19	20.14	22.60	22.36	22.40	21.16	21.30	21.19
		1	12	22.11	22.09	22.26	20.18	20.19	20.11	22.42	22.29	22.38	21.27	21.25	21.28
	64QAM	1	24	22.19	22.26	22.31	20.26	20.19	20.24	22.32	22.39	22.42	21.22	21.35	21.36
		2	0	22.63	22.55	22.47	20.43	20.58	20.55	22.92	22.87	22.89	21.58	21.82	21.67
		2	23	22.61	22.57	22.65	20.62	20.61	20.53	22.87	22.81	22.77	21.63	21.72	21.65
		12	0	21.52	21.52	21.46	19.46	19.46	19.54	21.86	21.77	21.70	20.66	20.65	20.57
		12	6	21.49	21.55	21.48	19.53	19.51	19.53	21.76	21.79	21.69	20.72	20.56	20.60
		12	11	21.51	21.46	21.50	19.57	19.55	19.54	21.75	21.78	21.76	20.64	20.56	20.57
		25	0	21.45	21.47	21.46	19.49	19.54	19.53	21.79	21.76	21.71	20.68	20.56	20.60
		1	0	19.30	19.09	19.07	17.07	17.26	17.29	19.49	19.40	19.53	18.17	18.18	18.03
		1	12	19.11	19.05	19.11	17.18	17.23	17.10	19.31	19.39	19.25	18.31	18.10	18.22
		1	24	19.20	19.13	19.25	17.26	17.20	17.18	19.39	19.33	19.32	18.05	18.18	18.21
	256QAM	2	0	19.59	19.48	19.56	17.46	17.54	17.66	19.94	19.74	19.82	18.58	18.72	18.53
		2	23	19.62	19.55	19.64	17.66	17.68	17.58	19.83	19.73	19.67	18.54	18.60	18.56
		12	0	19.49	19.45	19.38	17.42	17.59	17.46	19.81	19.73	19.68	18.55	18.52	18.45
		12	6	19.42	19.45	19.43	17.47	17.55	17.49	19.70	19.69	19.64	18.57	18.45	18.46
		12	11	19.43	19.41	19.41	17.55	17.54	17.57	19.71	19.71	19.69	18.56	18.47	18.46
		25	0	19.40	19.41	19.43	17.50	17.53	17.48	19.75	19.70	19.67	18.60	18.45	18.47

OUTPUT POWER FOR LTE BAND 30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A
10.0	QPSK	1	0		24.03			21.83			24.35			23.11	
		1	24		24.12			22.17			24.36			23.10	
		1	49		24.19			22.15			24.22			23.11	
		2	0		24.68			22.56			24.90			23.60	
		2	48		24.70			22.70			24.73			23.70	
		25	0		23.56			21.69			23.88			22.75	
		25	12		23.60			21.70			23.86			22.64	
		25	24		23.60			21.71			23.78			22.66	
		50	0		23.62			21.78			23.88			22.70	
		1	0		23.18			21.20			23.46			22.15	
	16QAM	1	24		23.17			21.31			23.41			22.21	
		1	49		23.36			21.23			23.38			22.17	
		2	0		23.67			21.67			23.96			22.70	
		2	48		23.76			21.85			23.84			22.76	
		25	0		22.50			20.65			22.81			21.68	
		25	12		22.52			20.69			22.75			21.55	
		25	24		22.53			20.73			22.65			21.61	
		50	0		22.51			20.79			22.81			21.56	
		1	0		22.22			20.31			22.50			21.27	
		1	24		22.22			20.29			22.35			21.29	
	64QAM	1	49		22.18			20.37			22.54			21.34	
		2	0		22.65			20.63			23.03			21.73	
		2	48		22.74			20.76			22.85			21.68	
		25	0		21.51			19.61			21.79			20.78	
		25	12		21.51			19.66			21.76			20.61	
		25	24		21.50			19.67			21.74			20.66	
		50	0		21.50			19.74			21.83			20.66	
		1	0		19.26			17.25			19.57			18.29	
		1	24		19.21			17.47			19.36			18.33	
		1	49		19.16			17.22			19.39			18.30	
	256QAM	2	0		19.60			17.62			19.99			18.60	
		2	48		19.72			17.78			19.82			18.62	
		25	0		19.53			17.63			19.71			18.67	
		25	12		19.50			17.68			19.69			18.53	
		25	24		19.53			17.69			19.67			18.61	
		50	0		19.49			17.75			19.77			18.59	

8.2. 5G NR n30

STATE A

Test Engineer ID:	116839	Test Date:	2026-05-21
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OUTPUT POWER FOR 5G NR n30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				461500	462000	462500	461500	462000	462500	461500	462000	462500	461500	462000	462500
5.0	BPSK	1	0	23.90	23.89	23.82	21.11	21.69	21.73	23.60	23.77	23.74	22.17	22.46	22.38
		1	1	24.41	24.27	24.26	21.96	22.04	22.12	24.12	24.21	24.22	22.88	22.89	22.87
		1	23	24.23	24.32	24.22	22.16	22.15	22.08	24.21	24.20	24.04	22.87	22.96	22.58
		1	24	23.82	23.77	23.76	21.67	21.75	21.62	23.84	23.72	23.68	22.52	22.49	22.28
		12	6	24.90	24.86	24.83	22.51	22.62	22.66	24.81	24.78	24.73	23.68	23.61	23.59
		25	0	24.46	24.39	24.36	22.24	22.27	22.31	24.42	24.36	24.30	23.11	23.08	22.93
	QPSK	1	0	23.50	23.42	23.38	21.09	21.17	21.33	23.37	23.42	23.41	22.14	22.14	22.08
		1	1	24.52	24.32	24.25	22.03	22.05	22.19	24.27	24.31	24.30	22.96	22.89	22.95
		1	23	24.33	24.43	24.26	22.23	22.18	22.17	24.35	24.35	24.13	22.95	23.68	22.65
		1	24	23.28	23.34	23.34	21.26	21.34	21.30	23.34	23.35	23.41	22.14	22.11	21.94
		12	6	25.00	24.84	24.87	22.66	22.69	22.70	24.90	24.82	24.69	23.70	23.50	23.35
		25	0	24.00	23.91	23.87	21.73	21.80	21.90	23.97	23.98	23.93	22.76	22.66	22.52
	16QAM	1	0	22.24	22.18	22.08	19.91	19.95	20.10	22.16	22.20	22.26	21.01	21.02	21.01
		1	1	23.28	23.15	23.14	20.85	20.99	21.10	23.20	23.22	23.12	21.86	21.81	21.88
		1	23	23.11	23.26	23.11	21.01	21.07	21.00	23.19	23.46	23.09	21.84	21.82	21.70
		1	24	22.07	22.11	22.15	20.08	20.09	20.04	22.21	22.10	22.13	20.98	20.96	20.70
		12	6	24.02	23.91	23.92	21.74	21.76	21.81	23.96	23.92	23.83	22.65	22.61	22.49
		25	0	22.90	22.87	22.82	20.73	20.81	20.83	22.96	22.94	23.00	21.66	21.62	21.52
	64QAM	1	0	22.02	21.78	21.77	19.61	19.72	19.61	21.71	21.88	21.86	20.55	20.63	20.45
		1	1	22.20	21.85	21.89	19.52	19.68	19.65	21.84	21.88	21.86	20.45	20.51	20.56
		1	23	21.69	21.92	21.92	19.67	19.79	19.74	21.78	21.78	21.82	20.54	20.63	20.35
		1	24	21.80	21.63	21.76	19.66	19.89	19.72	21.73	21.74	21.77	20.63	20.68	20.52
		12	6	22.46	22.33	22.37	20.22	20.26	20.34	22.42	22.39	22.34	21.17	21.05	21.01
		25	0	22.44	22.36	22.37	20.26	20.32	20.39	22.48	22.45	22.42	21.22	21.14	21.04
	256QAM	1	0	20.11	20.00	19.92	17.67	17.73	17.91	20.03	20.26	20.03	18.75	18.77	18.67
		1	1	20.10	19.93	19.89	17.75	17.77	17.79	20.14	20.14	20.07	18.69	18.57	18.79
		1	23	20.00	19.92	19.93	17.77	17.88	17.85	19.97	20.00	19.95	18.72	18.74	18.62
		1	24	19.99	20.04	19.95	17.91	17.86	17.86	19.99	19.96	19.97	18.87	18.63	18.54
		12	6	20.48	20.42	20.36	18.27	18.31	18.31	20.59	20.48	20.47	19.27	19.22	19.13
		25	0	20.47	20.44	20.38	18.21	18.32	18.40	20.53	20.50	20.49	19.28	19.18	19.07

OUTPUT POWER FOR 5G NR n30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A
10.0	BPSK	1	0	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A
		1	1		24.08			21.40			23.78			22.62	
		1	50		24.57			22.03			24.30			23.13	
		1	51		24.29			22.12			24.19			22.94	
		1	51		23.93			21.71			23.80			22.55	
		25	12		24.94			22.66			24.88			23.70	
	QPSK	50	0		24.56			22.25			24.41			23.28	
		1	0		23.61			21.18			23.47			22.24	
		1	1		24.66			22.08			24.39			23.30	
		1	50		24.42			22.17			24.31			22.95	
		1	51		23.42			21.30			23.37			22.29	
		25	12		25.00			22.70			24.90			23.67	
	16QAM	50	0		24.09			21.87			24.02			22.91	
		1	0		22.33			19.96			22.28			21.20	
		1	1		23.52			20.98			23.35			22.02	
		1	50		23.19			21.08			23.14			22.34	
		1	51		22.39			20.18			22.24			21.15	
		25	12		24.05			21.77			23.95			22.78	
	64QAM	50	0		23.07			20.87			22.99			21.95	
		1	0		21.90			19.63			21.81			20.78	
		1	1		22.13			19.73			21.89			20.82	
		1	50		22.03			19.73			21.89			20.67	
		1	51		22.03			19.66			21.80			20.70	
		25	12		22.51			20.33			22.42			21.43	
	256QAM	50	0		22.54			20.34			22.44			21.46	
		1	0		20.25			17.88			20.01			19.15	
		1	1		20.22			17.84			20.01			19.10	
		1	50		20.06			17.99			19.99			18.96	
		1	51		20.04			18.01			20.12			19.09	
		25	12		20.53			18.33			20.51			19.59	
		50	0		20.59			18.36			20.53			19.65	

STATE B

Test Engineer ID:	116839	Test Date:	2026-05-21
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OUTPUT POWER FOR 5G NR n30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				461500	462000	462500	461500	462000	462500	461500	462000	462500	461500	462000	462500
5.0	BPSK	1	0	23.60	23.59	23.52	21.11	21.69	21.73	23.60	23.77	23.74	22.17	22.46	22.38
		1	1	24.11	23.97	23.96	21.96	22.04	22.12	24.12	24.21	24.22	22.88	22.89	22.87
		1	23	23.93	24.02	23.92	22.16	22.15	22.08	24.21	24.20	24.04	22.87	22.96	22.58
		1	24	23.52	23.47	23.46	21.67	21.75	21.62	23.84	23.72	23.68	22.52	22.49	22.28
		12	6	24.60	24.56	24.53	22.51	22.62	22.66	24.81	24.78	24.73	23.68	23.61	23.59
		25	0	24.16	24.09	24.06	22.24	22.27	22.31	24.42	24.36	24.30	23.11	23.08	22.93
	QPSK	1	0	23.20	23.12	23.08	21.09	21.17	21.33	23.37	23.42	23.41	22.14	22.14	22.08
		1	1	24.22	24.02	23.95	22.03	22.05	22.19	24.27	24.31	24.30	22.96	22.89	22.95
		1	23	24.03	24.13	23.96	22.23	22.18	22.17	24.35	24.35	24.13	22.95	23.68	22.65
		1	24	22.98	23.04	23.04	21.26	21.34	21.30	23.34	23.35	23.41	22.14	22.11	21.94
		12	6	24.70	24.54	24.57	22.66	22.69	22.70	24.90	24.82	24.69	23.70	23.50	23.35
		25	0	23.70	23.61	23.57	21.73	21.80	21.90	23.97	23.98	23.93	22.76	22.66	22.52
	16QAM	1	0	21.94	21.88	21.78	19.91	19.95	20.10	22.16	22.20	22.26	21.01	21.02	21.01
		1	1	22.98	22.85	22.84	20.85	20.99	21.10	23.20	23.22	23.12	21.86	21.81	21.88
		1	23	22.81	22.96	22.81	21.01	21.07	21.00	23.19	23.46	23.09	21.84	21.82	21.70
		1	24	21.77	21.81	21.85	20.08	20.09	20.04	22.21	22.10	22.13	20.98	20.96	20.70
		12	6	23.72	23.61	23.62	21.74	21.76	21.81	23.96	23.92	23.83	22.65	22.61	22.49
		25	0	22.60	22.57	22.52	20.73	20.81	20.83	22.96	22.94	23.00	21.66	21.62	21.52
	64QAM	1	0	21.72	21.48	21.47	19.61	19.72	19.61	21.71	21.88	21.86	20.55	20.63	20.45
		1	1	21.90	21.55	21.59	19.52	19.68	19.65	21.84	21.88	21.86	20.45	20.51	20.56
		1	23	21.39	21.62	21.62	19.67	19.79	19.74	21.78	21.78	21.82	20.54	20.63	20.35
		1	24	21.50	21.33	21.46	19.66	19.89	19.72	21.73	21.74	21.77	20.63	20.68	20.52
		12	6	22.16	22.03	22.07	20.22	20.26	20.34	22.42	22.39	22.34	21.17	21.05	21.01
		25	0	22.14	22.06	22.07	20.26	20.32	20.39	22.48	22.45	22.42	21.22	21.14	21.04
	256QAM	1	0	19.81	19.70	19.62	17.67	17.73	17.91	20.03	20.26	20.03	18.75	18.77	18.67
		1	1	19.80	19.63	19.59	17.75	17.77	17.79	20.14	20.14	20.07	18.69	18.57	18.79
		1	23	19.70	19.62	19.63	17.77	17.88	17.85	19.97	20.00	19.95	18.72	18.74	18.62
		1	24	19.69	19.74	19.65	17.91	17.86	17.86	19.99	19.96	19.97	18.87	18.63	18.54
		12	6	20.18	20.12	20.06	18.27	18.31	18.31	20.59	20.48	20.47	19.27	19.22	19.13
		25	0	20.17	20.14	20.08	18.21	18.32	18.40	20.53	20.50	20.49	19.28	19.18	19.07

OUTPUT POWER FOR 5G NR n30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 14			ANT 3		
				N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A
10.0	BPSK	1	0		23.78			21.40			23.78			22.62	
		1	1		24.27			22.03			24.30			23.13	
		1	50		23.99			22.12			24.19			22.94	
		1	51		23.63			21.71			23.80			22.55	
		25	12		24.64			22.66			24.88			23.70	
		50	0		24.26			22.25			24.41			23.28	
	QPSK	1	0		23.31			21.18			23.47			22.24	
		1	1		24.36			22.08			24.39			23.30	
		1	50		24.12			22.17			24.31			22.95	
		1	51		23.12			21.30			23.37			22.29	
		25	12		24.70			22.70			24.90			23.67	
		50	0		23.79			21.87			24.02			22.91	
	16QAM	1	0		22.03			19.96			22.28			21.20	
		1	1		23.22			20.98			23.35			22.02	
		1	50		22.89			21.08			23.14			22.34	
		1	51		22.09			20.18			22.24			21.15	
		25	12		23.75			21.77			23.95			22.78	
		50	0		22.77			20.87			22.99			21.95	
	64QAM	1	0		21.60			19.63			21.81			20.78	
		1	1		21.83			19.73			21.89			20.82	
		1	50		21.73			19.73			21.89			20.67	
		1	51		21.73			19.66			21.80			20.70	
		25	12		22.21			20.33			22.42			21.43	
		50	0		22.24			20.34			22.44			21.46	
	256QAM	1	0		19.95			17.88			20.01			19.15	
		1	1		19.92			17.84			20.01			19.10	
		1	50		19.76			17.99			19.99			18.96	
		1	51		19.74			18.01			20.12			19.09	
		25	12		20.23			18.33			20.51			19.59	
		50	0		20.29			18.36			20.53			19.65	

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
ISED: RSS195

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 were 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 teste.

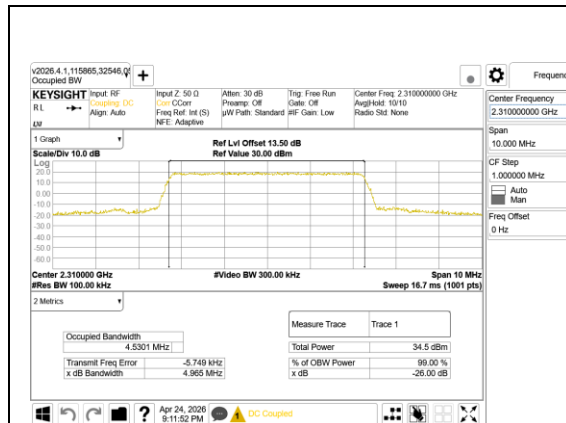
LTE BAND 30

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 30	5MHz, QPSK	25/0	2310.0	4.530	4.97
	5MHz, 16QAM			4.515	4.97
	10MHz, QPSK	50/0		9.020	9.88
	10MHz, 16QAM			9.006	9.92
	10MHz, QPSK	1/0		0.262	0.44

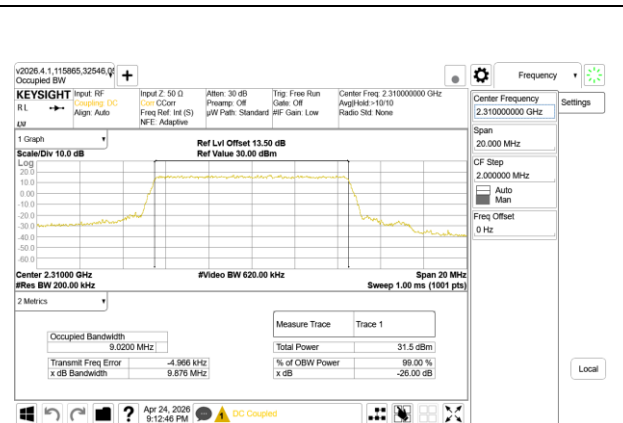
5G NR n30

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n30	5MHz, BPSK	25/0	2310.0	4.505	4.89
	5MHz, QPSK			4.477	4.87
	5MHz, 16QAM			4.487	4.85
	10MHz, BPSK	50/0		8.977	9.67
	10MHz, QPSK			8.957	9.65
	10MHz, 16QAM			8.993	9.65
	10MHz, BPSK	1/0		0.234	0.39

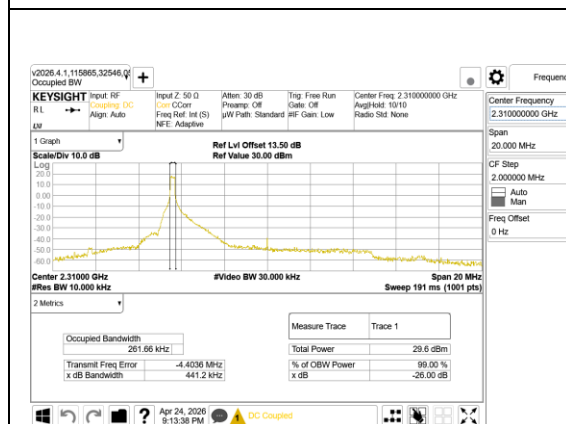
9.1.1. LTE BAND 30



LTE B30 5MHz QPSK Middle Channel RB25-0



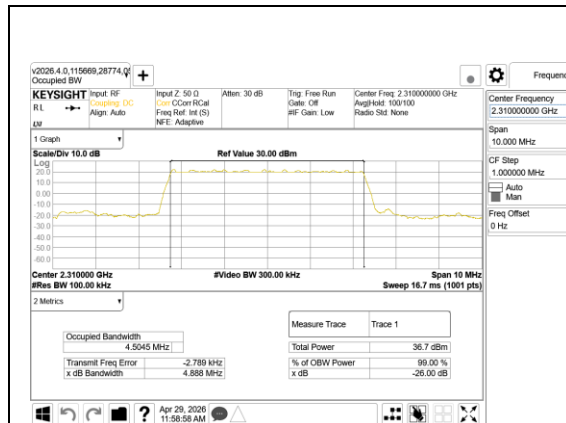
LTE B30 10MHz QPSK Middle Channel RB50-0



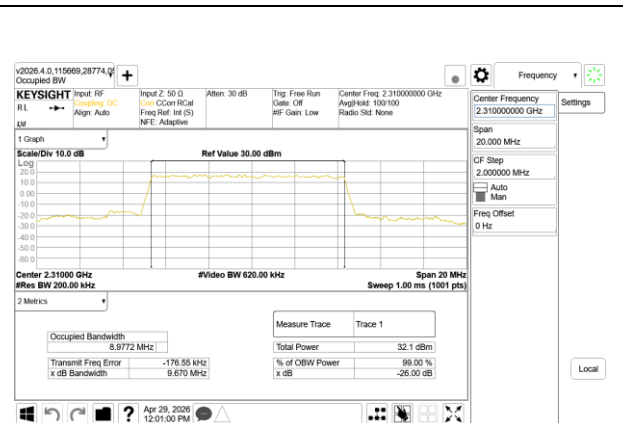
LTE B30 10MHz QPSK Middle Channel RB1-0

Intentionally Blank

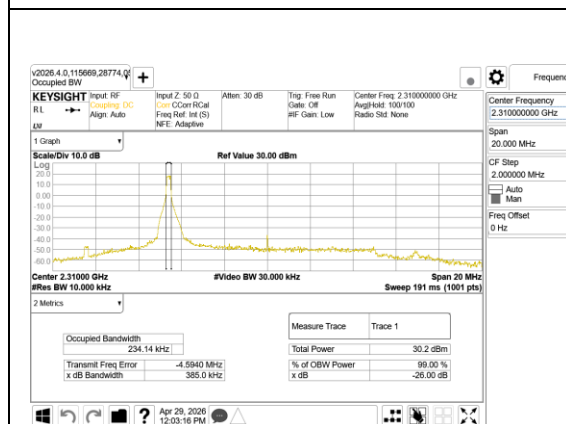
9.1.2. 5G NR n30



5G NR n30 5MHz BPSK Middle Channel RB25-0



5G NR n30 10MHz BPSK Middle Channel RB50-0



5G NR n30 10MHz BPSK Middle Channel RB1-0

Intentionally Blank

9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53

(a) For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;

(iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

ISED: RSS195§5.6

The transmitter unwanted emissions shall be measured with a resolution bandwidth of 1 MHz. A smaller resolution bandwidth is permitted provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz. However, in the 1 MHz bands immediately adjacent to the edges of the frequency range(s) in which the equipment is allowed to operate, a resolution bandwidth of as close as possible to, without being less than 1% of the occupied bandwidth, shall be employed provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz.

RSS195§5.6.2 Mobile, Portable and Low-Power Fixed Subscriber Equipment

The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, P(dBW), by the amount indicated in Table 2 and graphically represented in Figure 2, where p is the transmitter output power measured in watts.

Table 4: Unwanted emissions limits for mobile and low-power fixed subscriber equipment	
Frequency (MHz)	Unwanted emission limit (dBm/MHz)
< 2200	-13
2200 – 2288	-40
2288 – 2292	-37
2292 – 2296	-31
2296 – 2300	-25
2300 – 2305	-13
2305 – 2320	-13
2320 – 2324	-25
2324 – 2328	-31
2328 – 2337	-37
2337 – 2341	-31
2341 – 2345	-25
2345 – 2360	-13
2360 – 2365	-13
2365 – 2395	-40
> 2395	-13

According to [Notice 2022-CEB001](#) In order to demonstrate compliance with the unwanted emission limit of -13 dBm/MHz, the power level measured within the first 1 MHz immediately adjacent to the channel edges shall be integrated over the full 1 MHz bandwidth with a resolution as close as possible to 1% (no less than 1%) of the occupied bandwidth.

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.

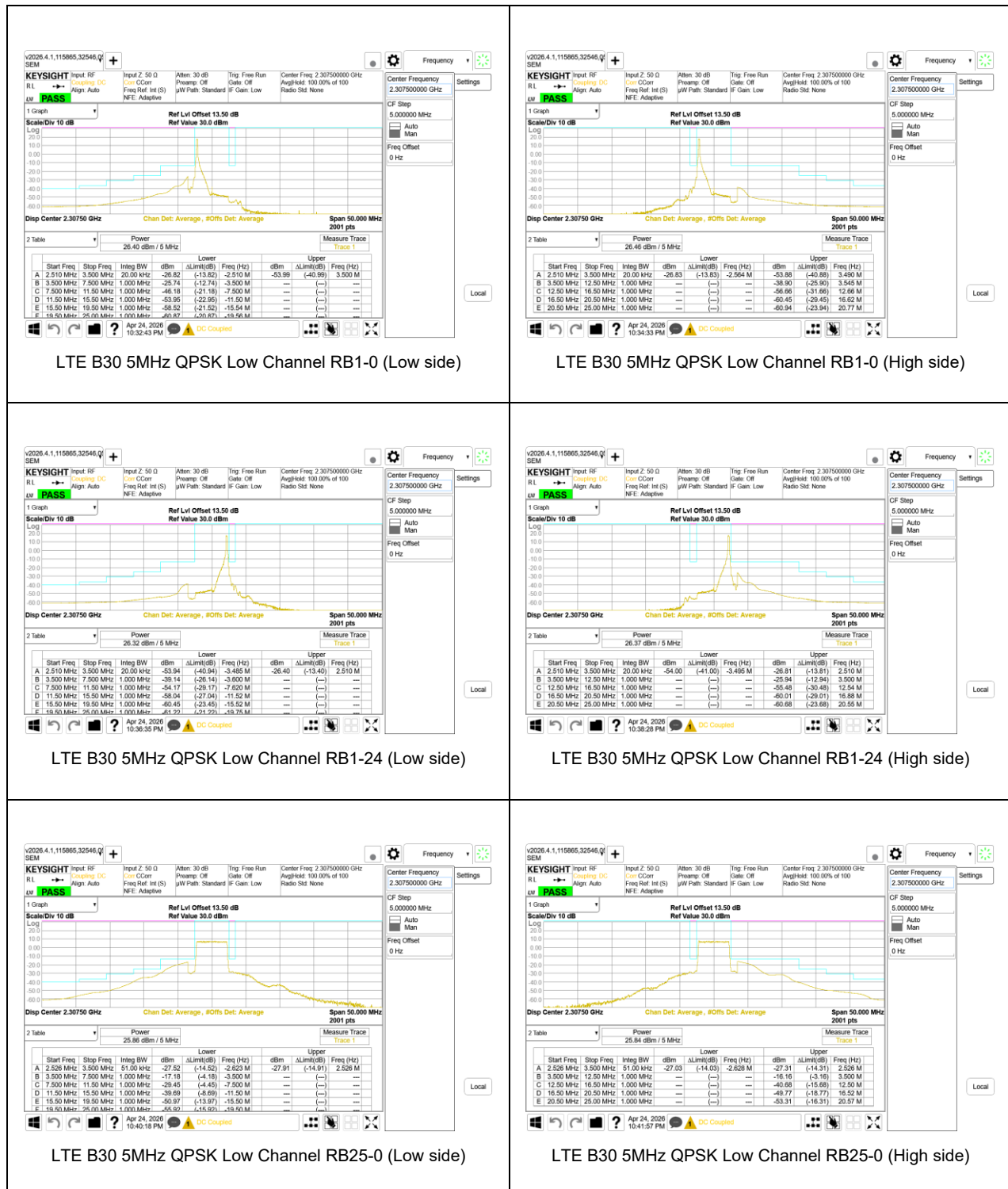
TEST PROCEDURE (BAND 30)

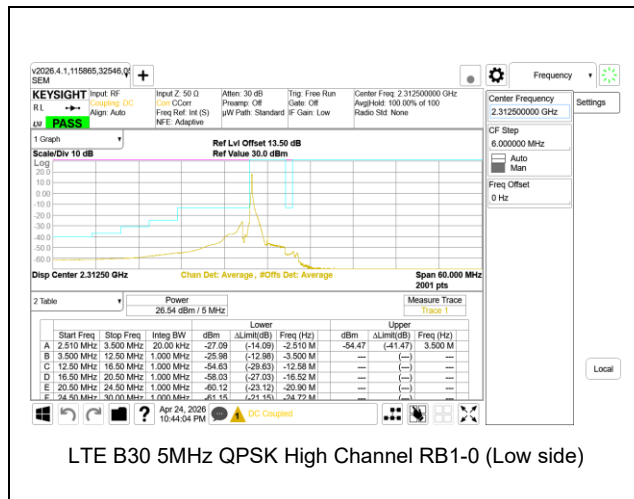
(5) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 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 the measured power is integrated over the full required measurement bandwidth (*i.e.*, 1 MHz). 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.

To show compliance with this requirement the spectrum analyzer is configured to measure the adjacent channel power for the frequency blocks adjacent to the channel edge. The integration of power is performed over a bandwidth > 1MHz and if the measurement is less than -13dBm when measured over more than 1MHz then the power must be less than -13dBm/MHz.

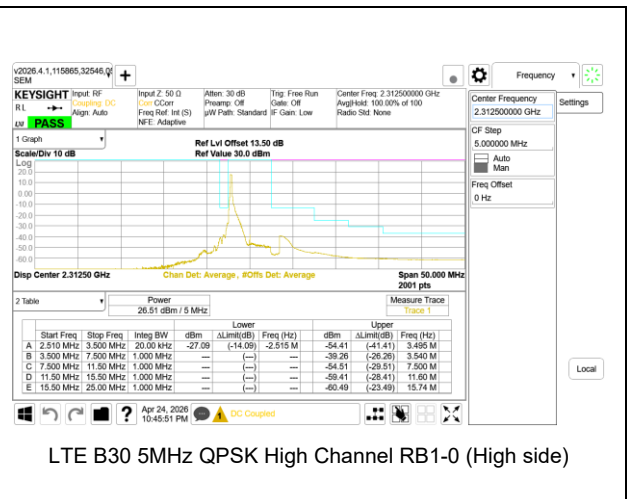
RESULTS

9.2.1. LTE BAND 30 EMISSION MASK

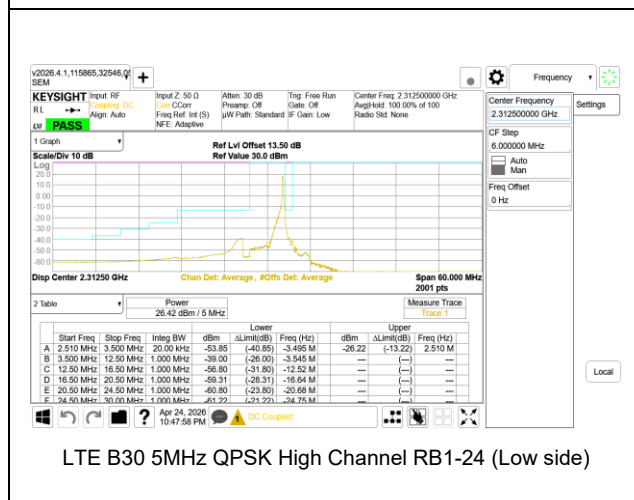




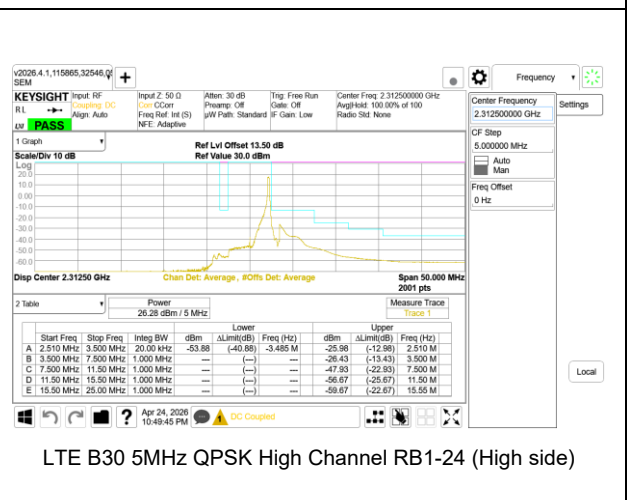
LTE B30 5MHz QPSK High Channel RB1-0 (Low side)



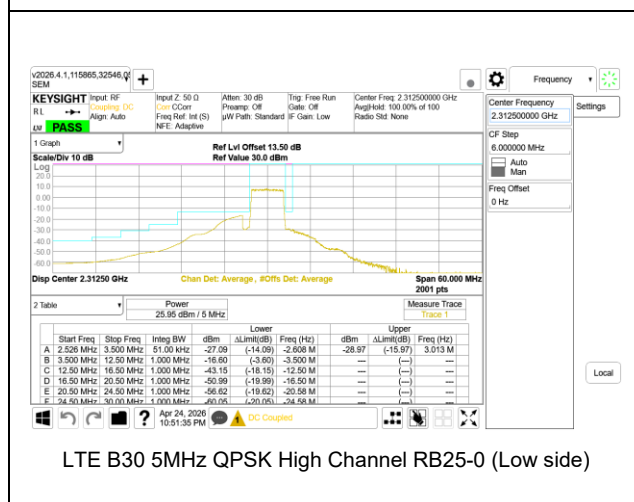
LTE B30 5MHz QPSK High Channel RB1-0 (High side)



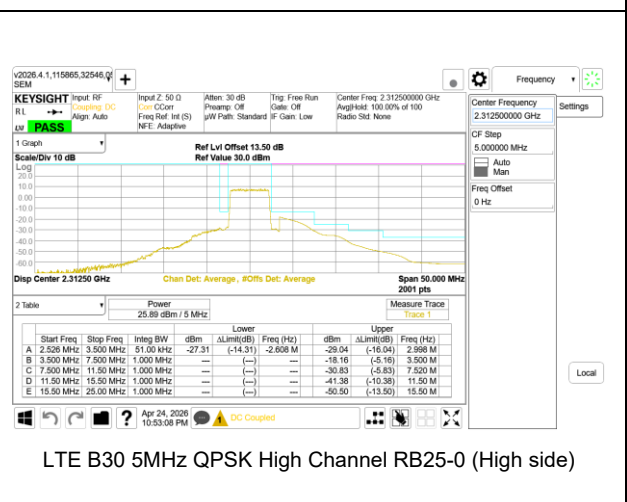
LTE B30 5MHz QPSK High Channel RB1-24 (Low side)



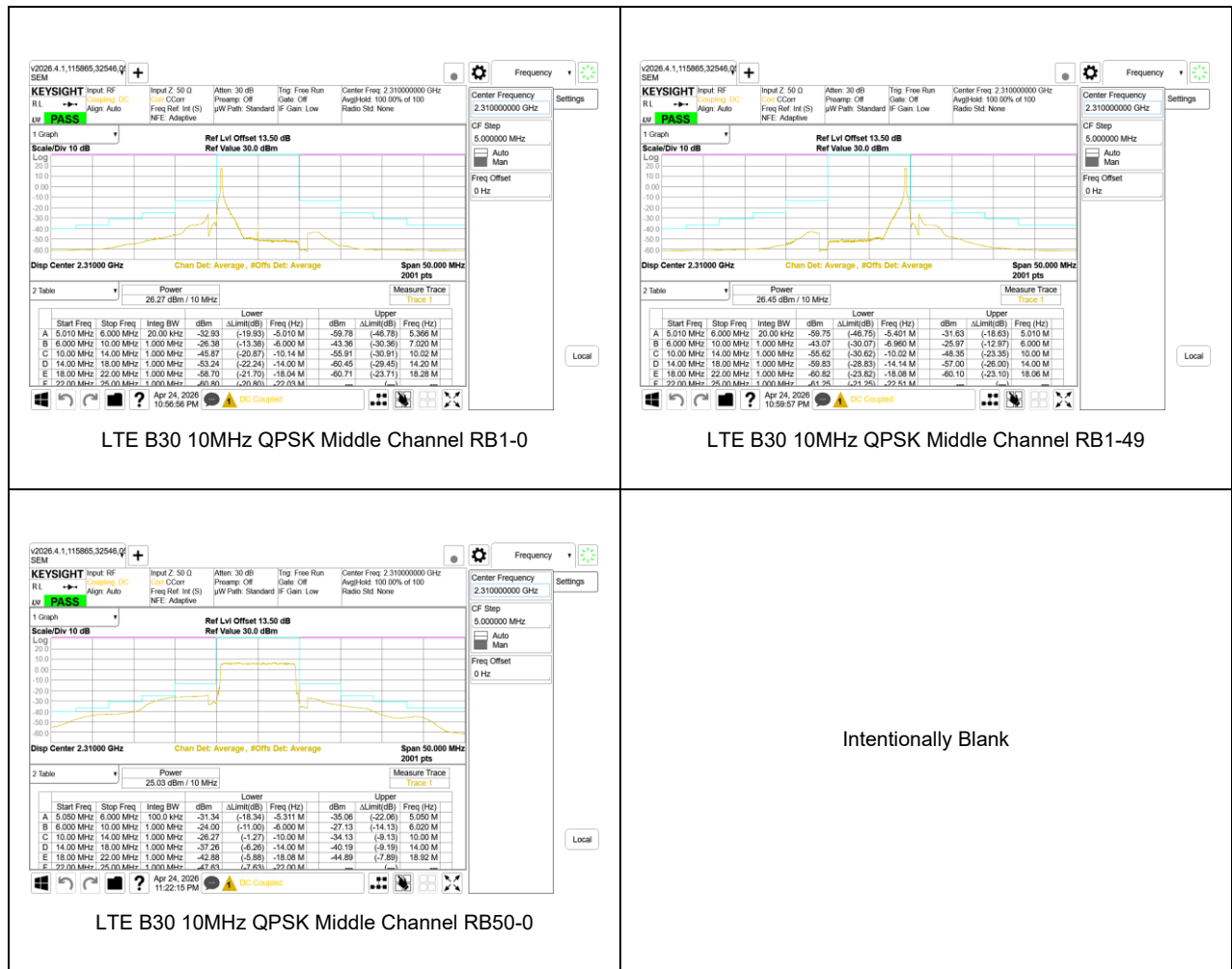
LTE B30 5MHz QPSK High Channel RB1-24 (High side)



LTE B30 5MHz QPSK High Channel RB25-0 (Low side)



LTE B30 5MHz QPSK High Channel RB25-0 (High side)

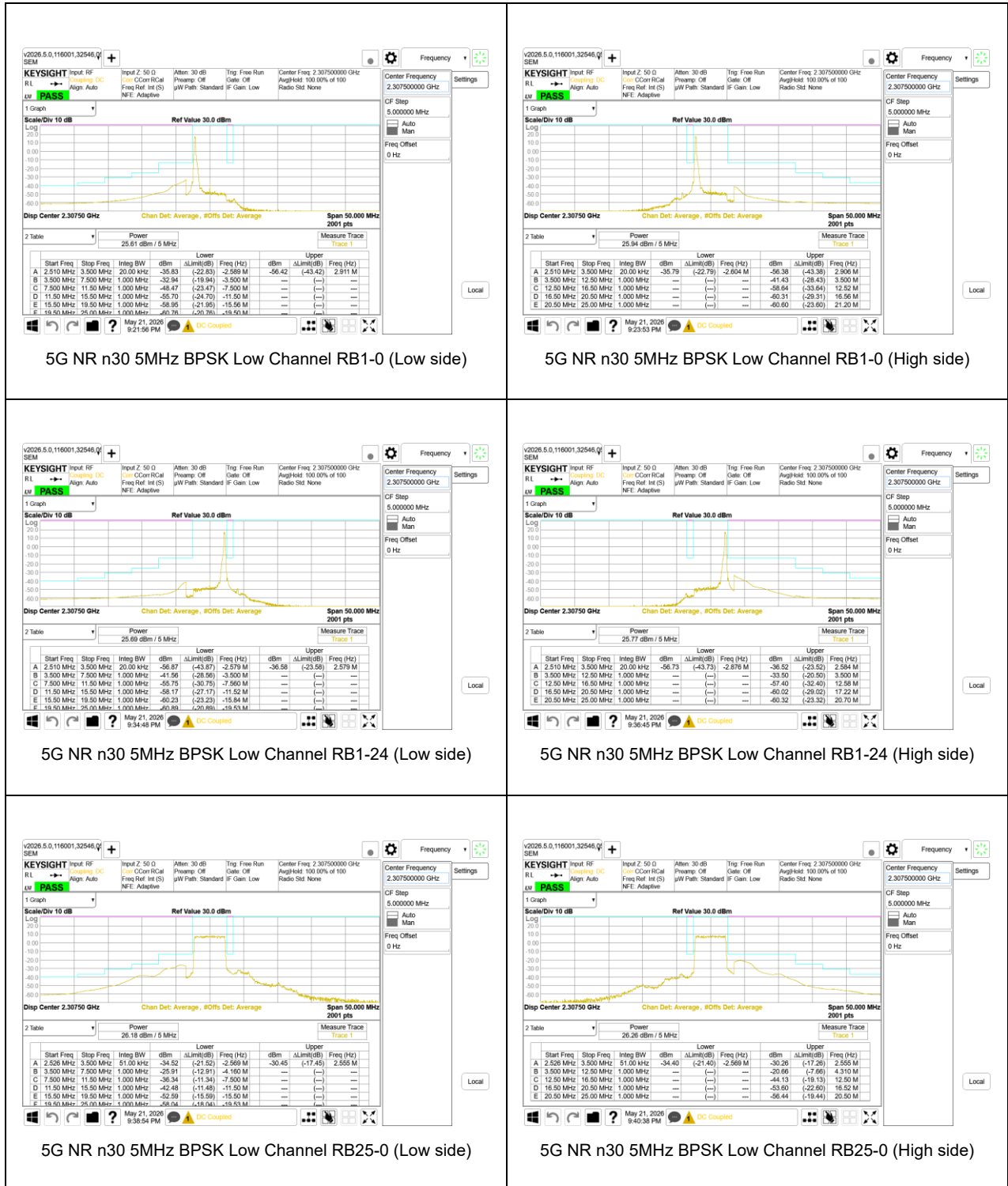


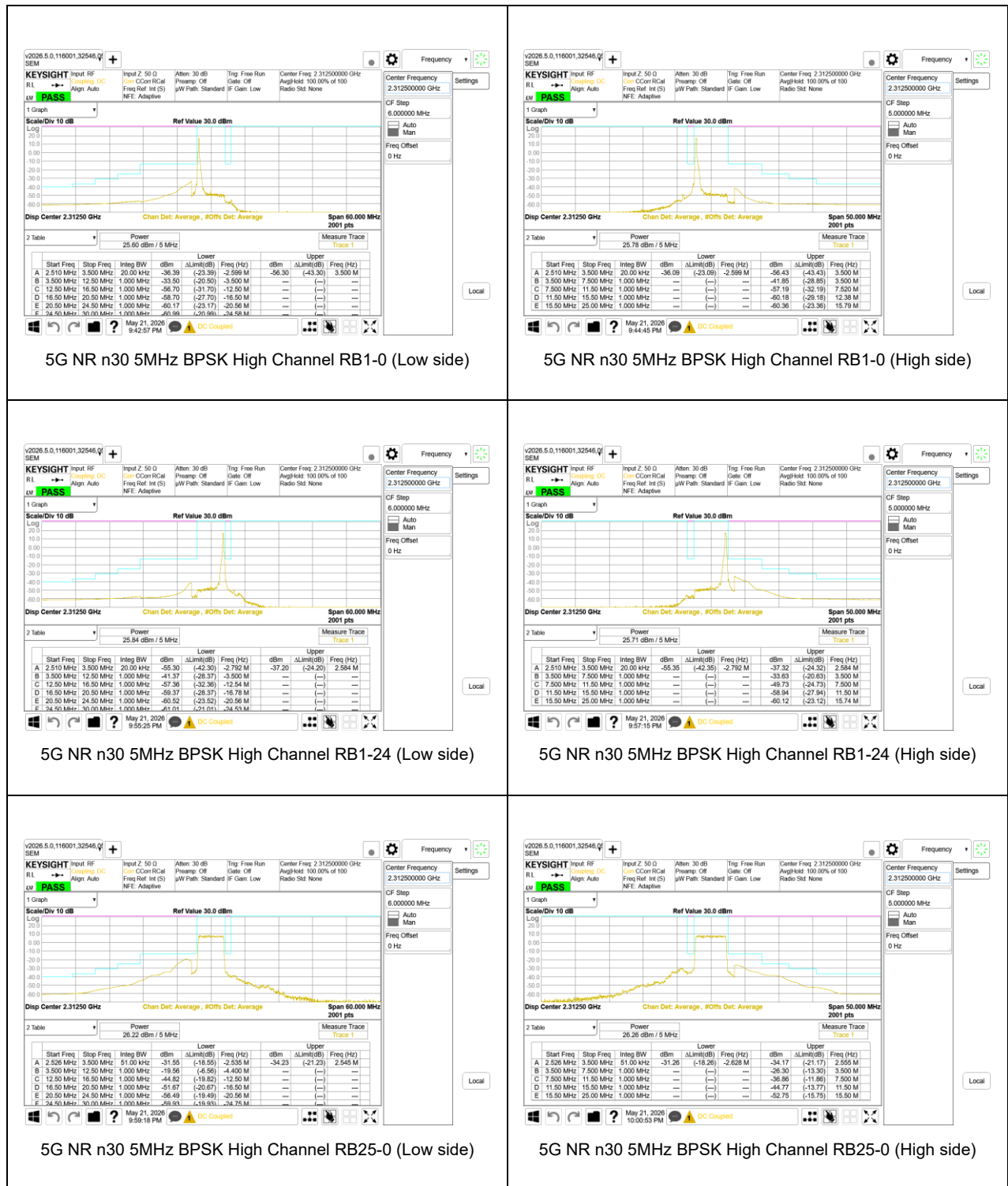
9.2.2. LTE BAND 30 ADJACENT CHANNEL POWER

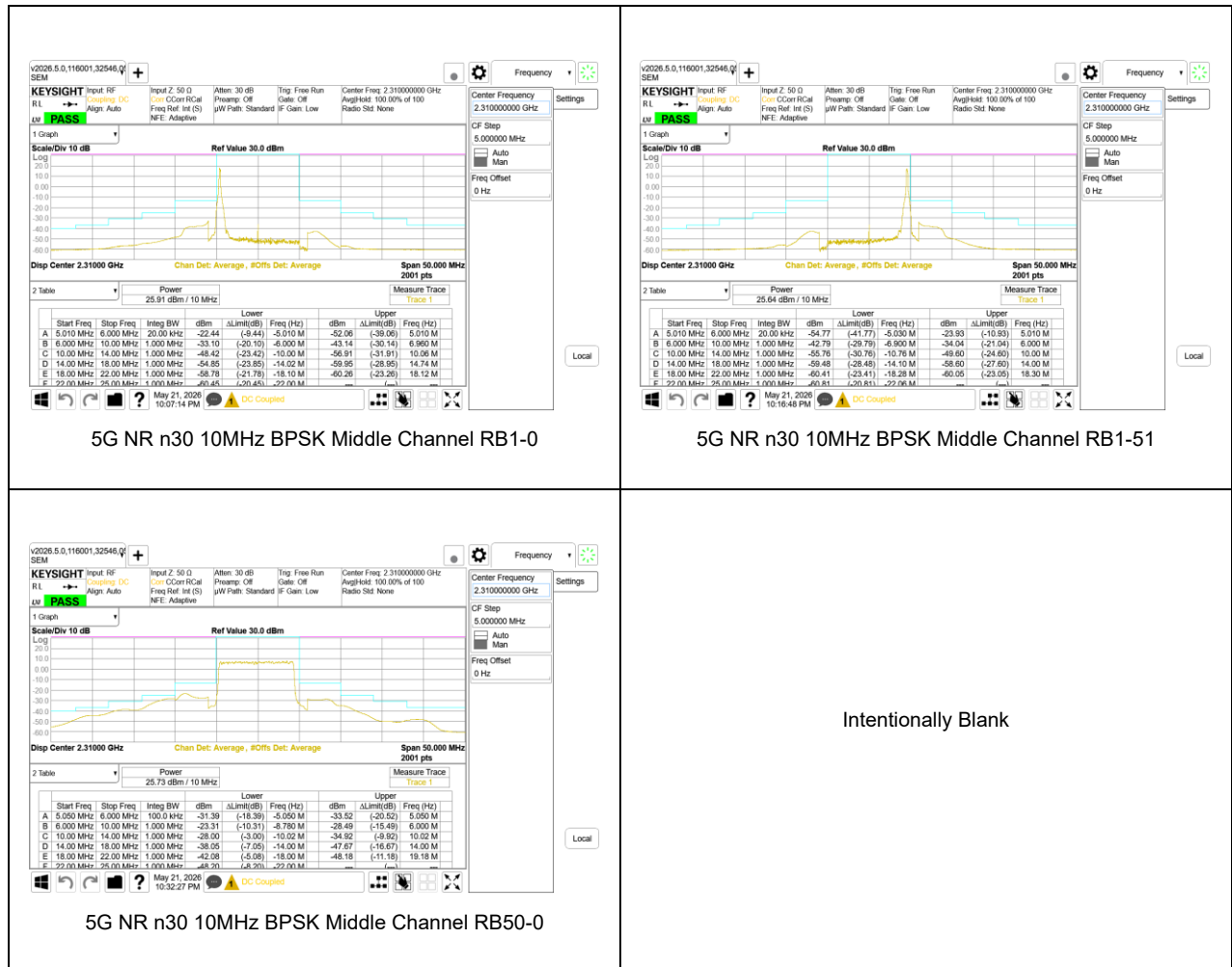




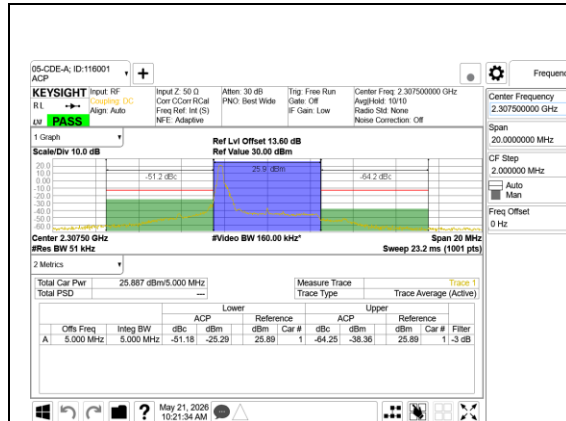
9.2.3. 5G NR n30 EMISSION MASK



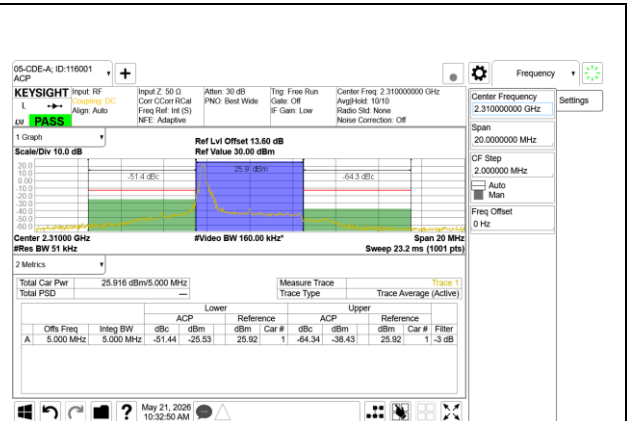




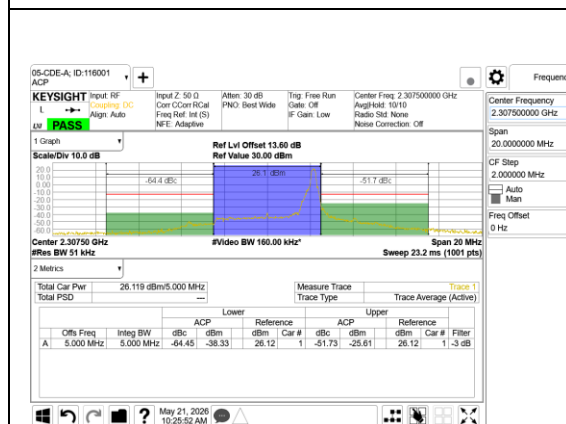
9.2.4. 5G NR n30 ADJACENT CHANNEL POWER



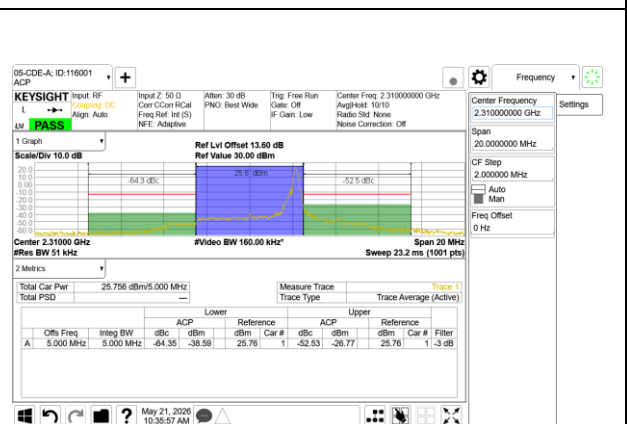
5G NR n30 5MHz BPSK Low Channel RB1-0



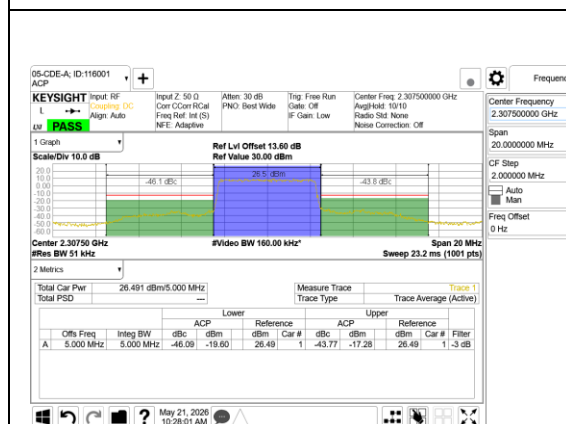
5G NR n30 5MHz BPSK Middle Channel RB1-0



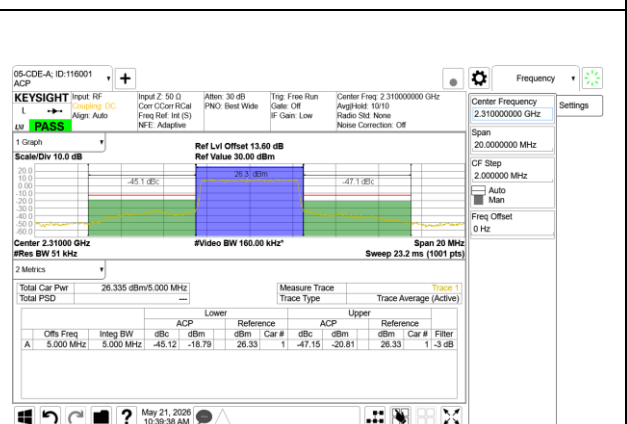
5G NR n30 5MHz BPSK Low Channel RB1-24



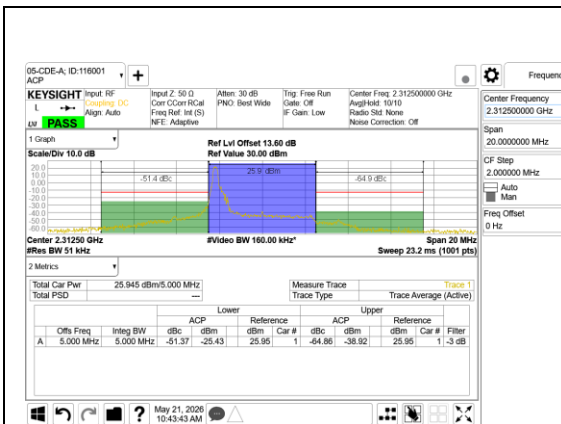
5G NR n30 5MHz BPSK Middle Channel RB1-24



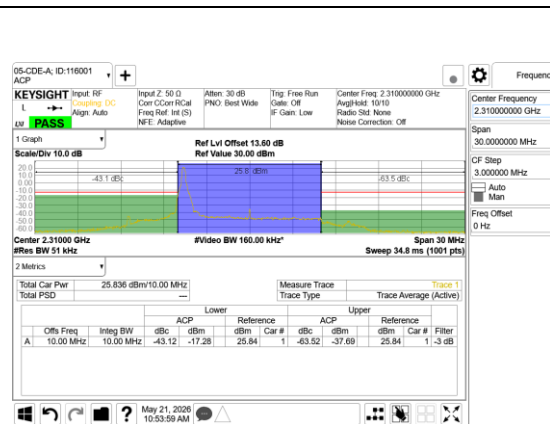
5G NR n30 5MHz BPSK Low Channel RB25-0



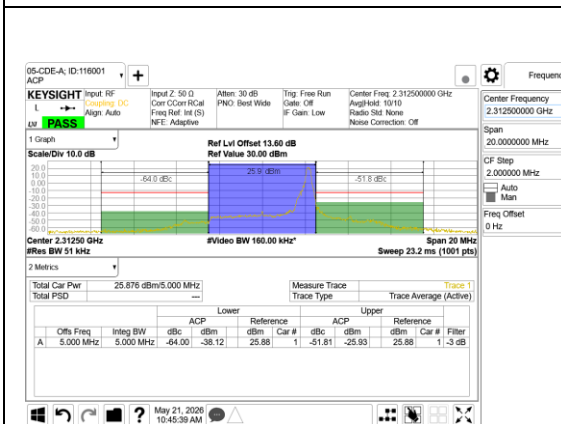
5G NR n30 5MHz BPSK Middle Channel RB25-0



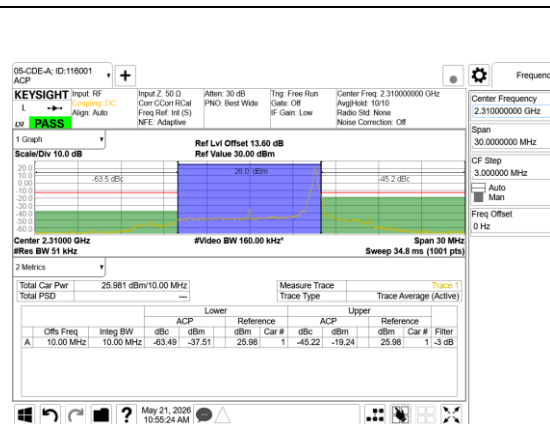
5G NR n30 5MHz BPSK High Channel RB1-0



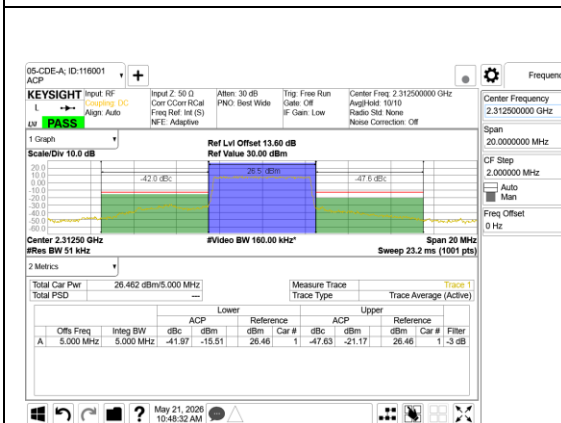
5G NR n30 10MHz BPSK Middle Channel RB1-0



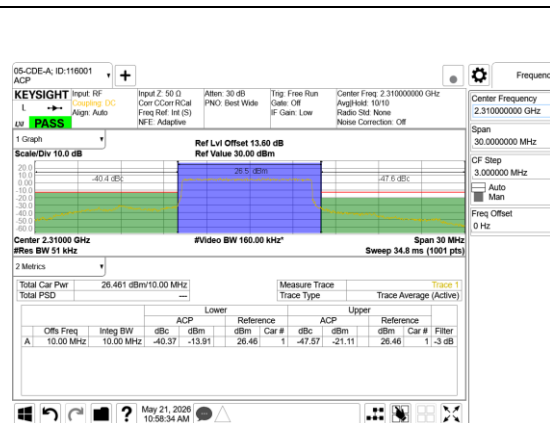
5G NR n30 5MHz BPSK High Channel RB1-24



5G NR n30 10MHz BPSK Middle Channel RB1-51



5G NR n30 5MHz BPSK High Channel RB25-0



5G NR n30 10MHz BPSK Middle Channel RB50-0

9.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §27.53 (a)

The minimum permissible attenuation level of any spurious emissions is $70 + 10 \log (P)$ dB where transmitting power (P) in Watts.

RSS195§5.6.2

The minimum permissible attenuation level of any spurious emissions is $70 + 10 \log (P)$ dB where transmitting power (P) in Watts.

TEST PROCEDURE

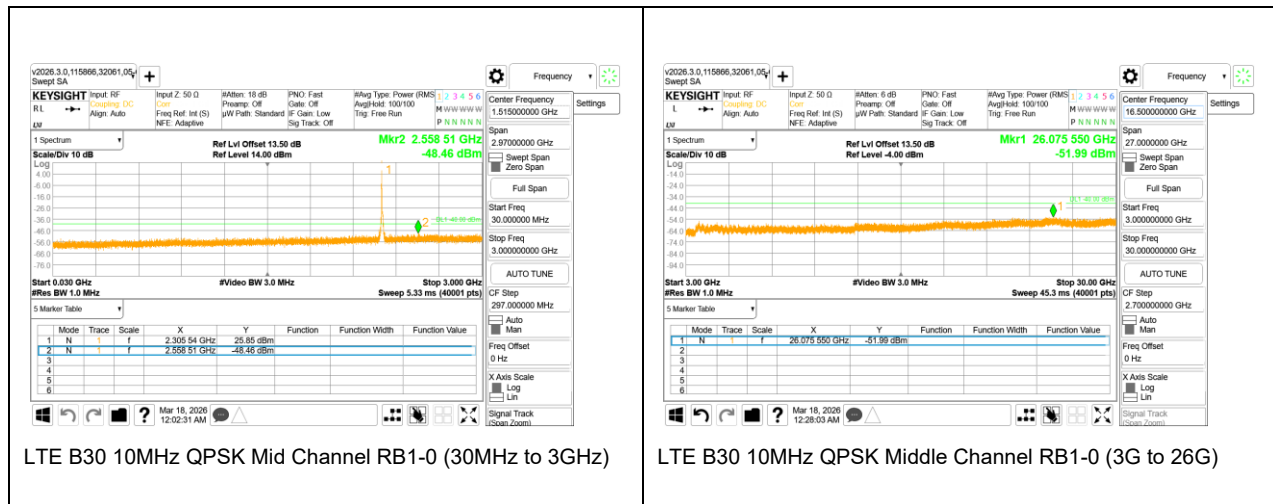
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case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

For each out of band emissions measurement:

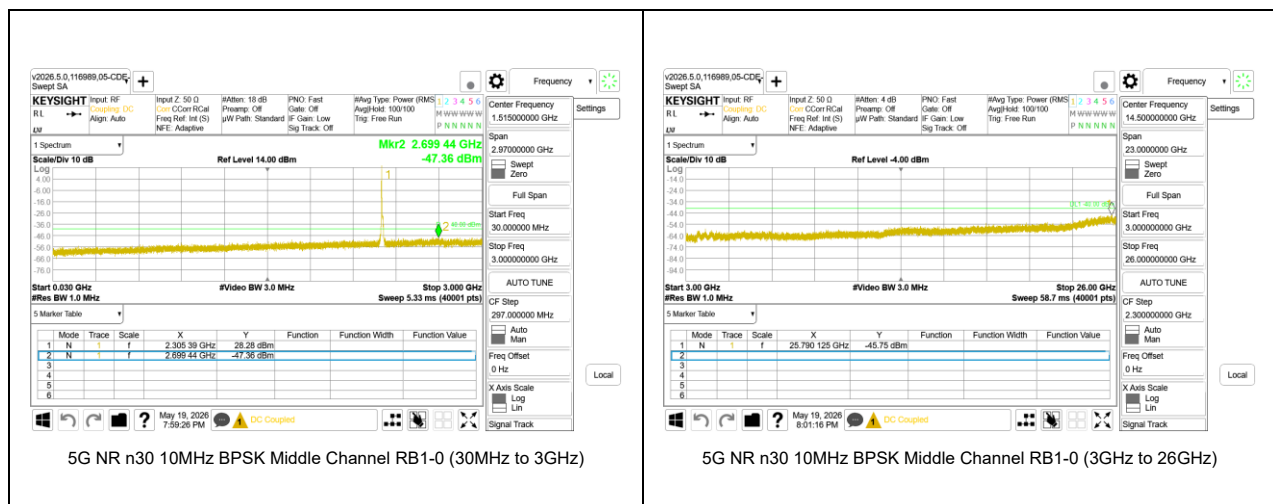
- Set display line at required limit.
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

9.3.1. LTE BAND 30



9.3.2. 5G NR n30



9.4. 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: RSS195§5.4

The applicant shall ensure frequency stability by showing that the occupied bandwidth is maintained within the range of the operating frequency blocks when testing under the temperature and supply voltage variations specified for the frequency stability measurement 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 30 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	28774	Test Date:	2/25/2026
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Band	30	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2305	2315			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	2305.5306	2314.4673			
Extreme (50°C)		2305.5306	2314.4673	7.0	0.003	Yes
Extreme (40°C)		2305.5307	2314.4673	9.3	0.004	Yes
Extreme (30°C)		2305.5307	2314.4673	7.4	0.003	Yes
Extreme (10°C)		2305.5306	2314.4673	7.0	0.003	Yes
Extreme (0°C)		2305.5306	2314.4673	7.2	0.003	Yes
Extreme (-10°C)		2305.5306	2314.4673	6.2	0.003	Yes
Extreme (-20°C)		2305.5306	2314.4673	6.4	0.003	Yes
Extreme (-30°C)		2305.5306	2314.4673	7.2	0.003	Yes
20°C	15%	2305.5306	2314.4673	6.9	0.003	Yes
	-15%	2305.5306	2314.4673	6.0	0.003	Yes
	End Point Voltage	2305.5307	2314.4673	7.7	0.003	Yes

9.4.2. 5G NR n30 (BPSK 10MHz BANDWIDTH)

Test Engineer ID:	28774	Test Date:	2/27/2026
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Band	30	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2305	2315			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	2305.3454	2314.2900			
Extreme (50°C)		2305.3454	2314.2900	-4.1	-0.002	Yes
Extreme (40°C)		2305.3454	2314.2900	-4.6	-0.002	Yes
Extreme (30°C)		2305.3454	2314.2900	-5.4	-0.002	Yes
Extreme (10°C)		2305.3454	2314.2900	-3.4	-0.001	Yes
Extreme (0°C)		2305.3454	2314.2900	5.3	0.002	Yes
Extreme (-10°C)		2305.3454	2314.2900	-3.7	-0.002	Yes
Extreme (-20°C)		2305.3454	2314.2900	-4.6	-0.002	Yes
Extreme (-30°C)		2305.3454	2314.2900	-5.1	-0.002	Yes
20°C	15%	2305.3454	2314.2900	-5.1	-0.002	Yes
	-15%	2305.3454	2314.2900	-4.8	-0.002	Yes
	End Point Voltage	2305.3454	2314.2900	-4.1	-0.002	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

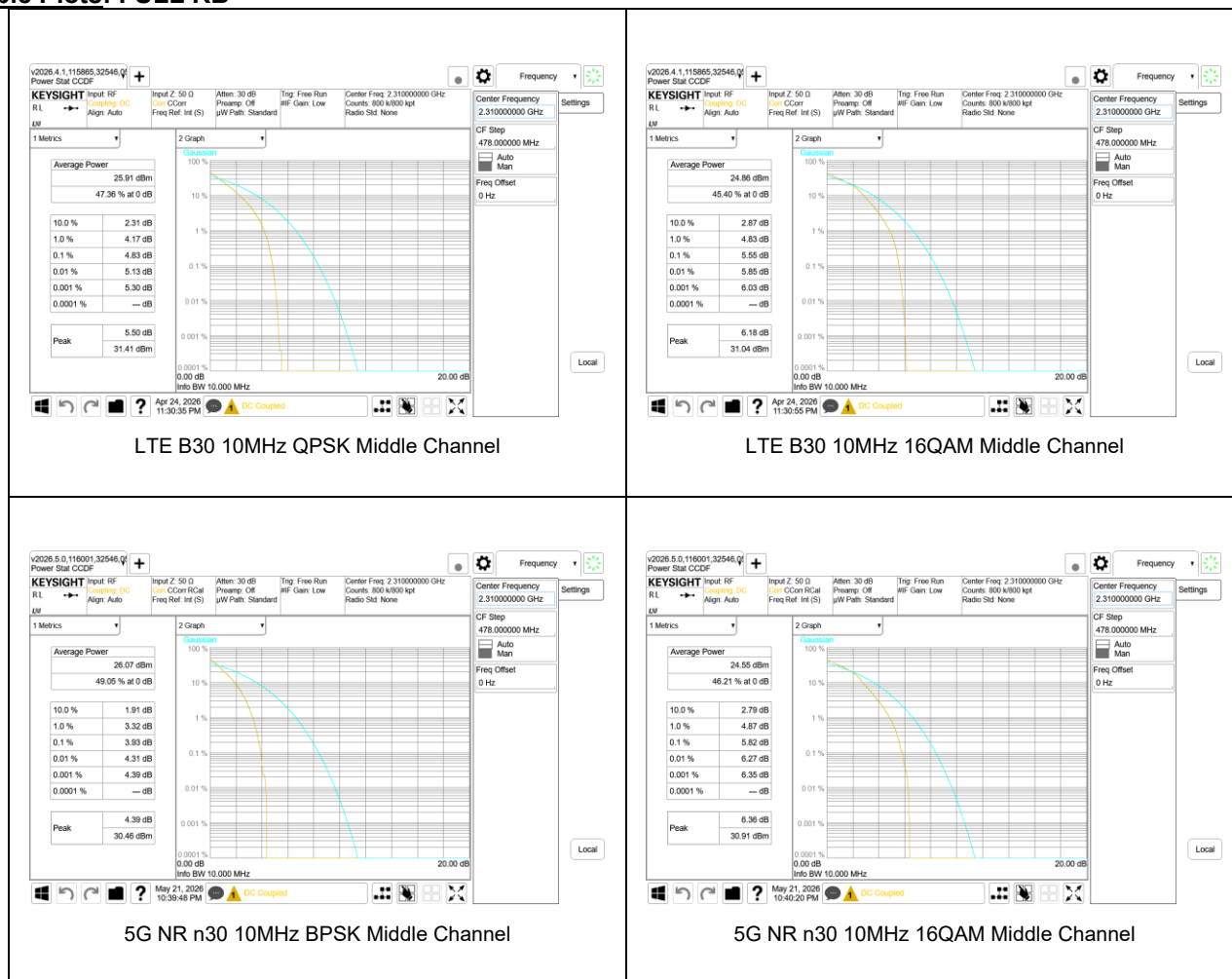
LIMIT

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

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 30

Test Engineer ID:	115865	Test Date:	2026-04-24
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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 30	5MHz	2310.0	25	0	QPSK	31.33	25.89	5.44
				16QAM	31.09	24.81	6.28	
	10MHz	50	0	QPSK	31.41	25.91	5.50	
				16QAM	31.04	24.86	6.18	
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 n30

Test Engineer ID:	116001	Test Date:	2026-05-21
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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 n30	5MHz	2310.0	25	0	BPSK	30.19	25.91	4.28
					16QAM	30.37	24.43	5.94
	10MHz	50	0	BPSK	30.46	26.07	4.39	
					16QAM	30.91	24.55	6.36
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: §27.53 (a)

For mobile and portable stations operating in the 2305-2315 MHz: by a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

RSS195§5.6

The transmitter unwanted emissions shall be measured with a resolution bandwidth of 1 MHz. A smaller resolution bandwidth is permitted provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz. However, in the 1 MHz bands immediately adjacent to the edges of the frequency range(s) in which the equipment is allowed to operate, a resolution bandwidth of as close as possible to, without being less than 1% of the occupied bandwidth, shall be employed provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz.

RSS195§5.6.2 Mobile, Portable and Low-Power Fixed Subscriber Equipment

The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, $P(\text{dBW})$, by the amount indicated in Table 2 and graphically represented in Figure 2, where p is the transmitter output power measured in watts.

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.

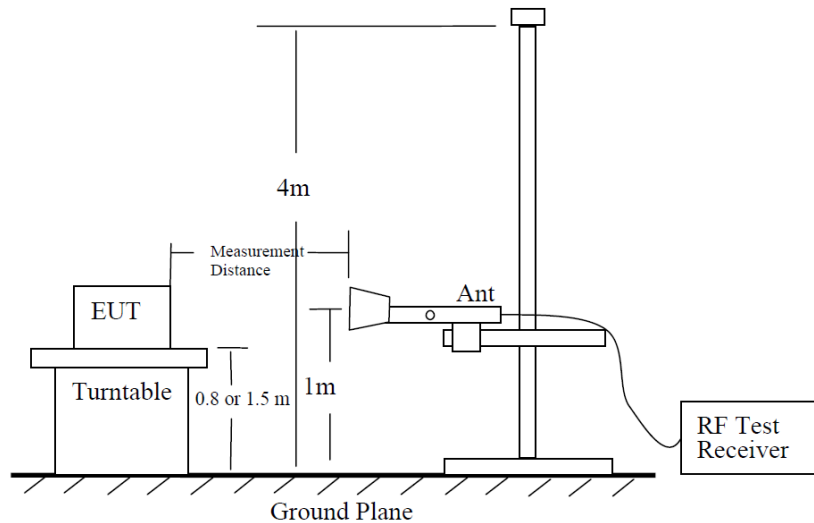


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

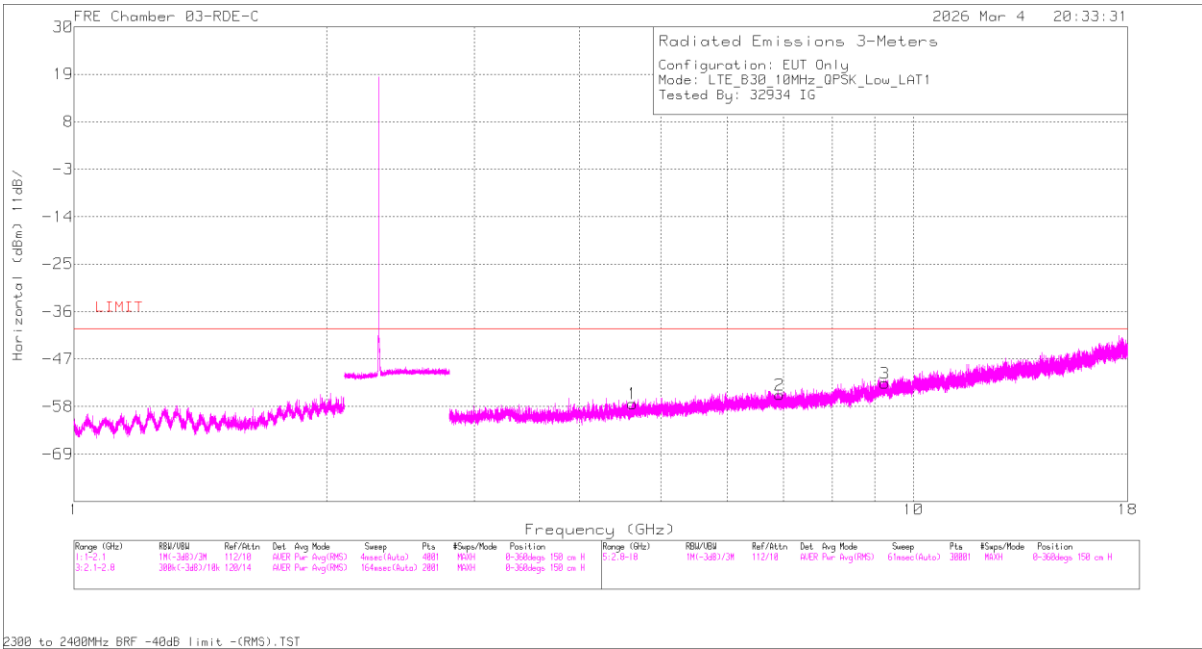
So, from d)

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

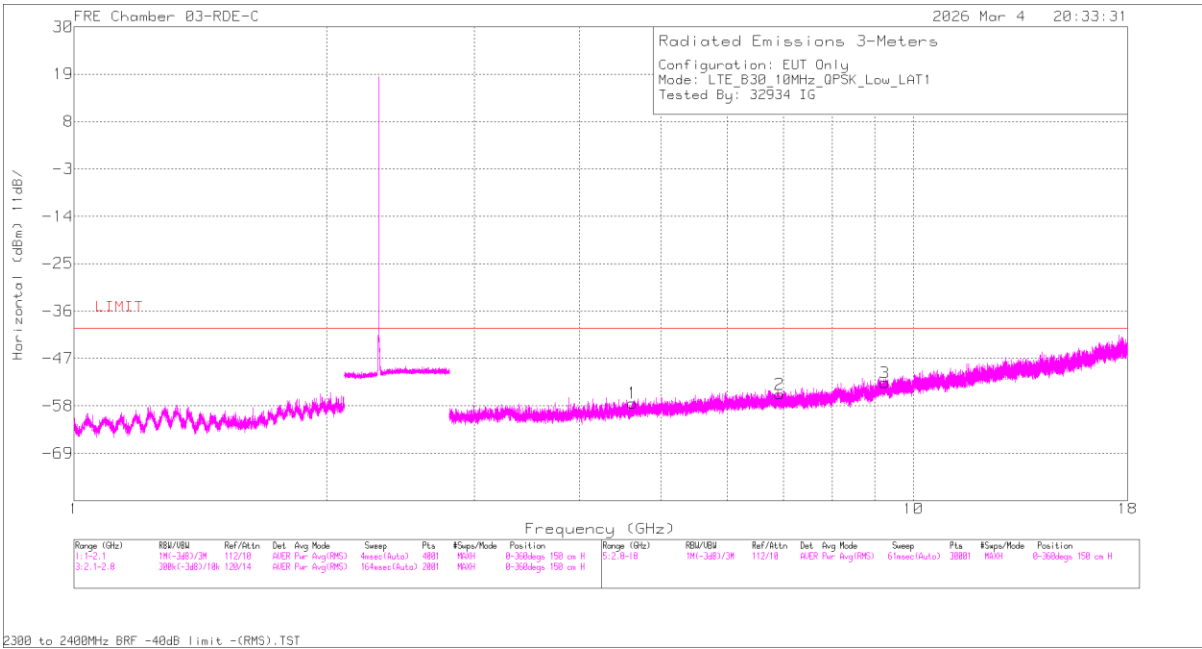
Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

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



Horizontal Polarity



Vertical Polarity

Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
4.626535	51.34	RMS	34.0	-95.2	-47.53	-57.39	-40	-17.39	H
6.928829	50.34	RMS	35.6	-95.2	-46.02	-55.28	-40	-15.28	H
9.241258	50.64	RMS	36.5	-95.2	-44.60	-52.66	-40	-12.66	H
4.622481	51.25	RMS	34.0	-95.2	-47.61	-57.56	-40	-17.56	V
6.931363	50.01	RMS	35.6	-95.2	-46.03	-55.62	-40	-15.62	V
9.262031	51.63	RMS	36.5	-95.2	-44.30	-51.37	-40	-11.37	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 30

State A

Configuration	EUT Only
Mode	LTE B30 10MHz QPSK

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
4/4/2026	32934	03-RED-C	Mid Ch 2310	2	4.62654	51.34	RMS	34.0	-95.2	-47.53	-57.39	-40	-17.39	H
					6.92883	50.34	RMS	35.6	-95.2	-46.02	-55.28	-40	-15.28	H
					9.24126	50.64	RMS	36.5	-95.2	-44.60	-52.66	-40	-12.66	H
					4.62248	51.25	RMS	34.0	-95.2	-47.61	-57.56	-40	-17.56	V
					6.93136	50.01	RMS	35.6	-95.2	-46.03	-55.62	-40	-15.62	V
					9.26203	51.63	RMS	36.5	-95.2	-44.30	-51.37	-40	-11.37	V
3/5/2026	45258	03-RED-C		1	4.62603	52.11	RMS	34.0	-95.2	-47.51	-56.6	-40	-16.60	H
					4.62350	50.98	RMS	34.0	-95.2	-47.59	-57.81	-40	-17.81	V
					6.93187	51.03	RMS	35.6	-95.2	-46.04	-54.61	-40	-14.61	V
					6.93187	49.61	RMS	35.6	-95.2	-46.04	-56.03	-40	-16.03	H
					9.24176	49.93	RMS	36.5	-95.2	-44.6	-53.37	-40	-13.37	H
					9.24126	50.23	RMS	36.5	-95.2	-44.6	-53.07	-40	-13.07	V
3/12/2026	45258	03-RED-C		14	4.62046	51.16	RMS	34.0	-95.2	-47.59	-57.63	-40	-17.63	H
					4.61894	51.22	RMS	34.0	-95.2	-47.60	-57.58	-40	-17.58	V
					6.93086	49.99	RMS	35.6	-95.2	-46.02	-55.63	-40	-15.63	V
					6.93035	49.58	RMS	35.6	-95.2	-46.03	-56.05	-40	-16.05	H
					9.23923	50.10	RMS	36.5	-95.2	-44.57	-53.17	-40	-13.17	H
					9.241258	50.05	RMS	36.5	-95.2	-44.6	-53.25	-40	-13.25	V
3/12/2026	45258	03-RED-C		3	4.61843	52.01	RMS	34	-95.2	-47.59	-56.78	-40	-16.78	H
					4.61944	49.98	RMS	34	-95.2	-47.6	-58.82	-40	-18.82	V
					6.92984	48.94	RMS	35.6	-95.2	-46.03	-56.69	-40	-16.69	V
					6.92984	49.19	RMS	35.6	-95.2	-46.03	-56.44	-40	-16.44	H
					9.23872	51.04	RMS	36.5	-95.2	-44.57	-52.23	-40	-12.23	H
					9.23974	51.16	RMS	36.5	-95.2	-44.56	-52.10	-40	-12.10	V

State B

Configuration	EUT Only
Mode	LTE B30 10MHz QPSK

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
3/13/2026	111250	03-RED-B	Mid Ch 2310	2	4.63430	52.85	RMS	33.9	-95.2	-49.13	-57.58	-40	-17.58	V
					4.61371	52.27	RMS	33.8	-95.2	-48.93	-58.06	-40	-18.06	H
					6.92705	50.3	RMS	35.6	-95.2	-46.96	-56.26	-40	-16.26	V
					6.91871	50.48	RMS	35.6	-95.2	-46.96	-56.08	-40	-16.08	H
					9.24186	50.75	RMS	36.4	-95.2	-46.38	-54.43	-40	-14.43	V
					9.25461	51.03	RMS	36.4	-95.2	-46.45	-54.22	-40	-14.22	H
3/10/2026	115536	03-RED-B		1	4.62008	50.37	RMS	33.8	-95.2	-49.03	-60.06	-40	-20.06	H
					4.62008	52.06	RMS	33.8	-95.2	-49.03	-58.37	-40	-18.37	V
					6.93048	48.85	RMS	35.6	-95.2	-46.99	-57.74	-40	-17.74	H
					6.93048	49.86	RMS	35.6	-95.2	-46.99	-56.73	-40	-16.73	V
					9.24039	48.75	RMS	36.4	-95.2	-46.29	-56.34	-40	-16.34	H
					9.24039	49.21	RMS	36.4	-95.2	-46.29	-55.88	-40	-15.88	V
6/16/2026	32934	03-RED-B		14	4.62057	52.17	RMS	33.8	-95.2	-49.05	-58.28	-40	-18.28	H
					6.92509	50.29	RMS	35.6	-95.2	-46.96	-56.27	-40	-16.27	H
					9.26050	51.01	RMS	36.4	-95.2	-46.65	-54.44	-40	-14.44	H
					4.60488	53.99	RMS	33.8	-95.2	-49.04	-56.45	-40	-16.45	V
					6.91871	49.7	RMS	35.6	-95.2	-46.96	-56.86	-40	-16.86	V
					9.209502	50.27	RMS	36.3	-95.2	-45.72	-54.35	-40	-14.35	V
3/23/2026	32547	03-RED-B		3	4.62841	52.51	RMS	33.9	-95.2	-49.11	-57.9	-40	-17.90	H
					4.62400	53.06	RMS	33.9	-95.2	-49.17	-57.41	-40	-17.41	V
					6.94568	51.58	RMS	35.6	-95.2	-47.15	-55.17	-40	-15.17	H
					6.94323	50.58	RMS	35.6	-95.2	-47.11	-56.13	-40	-16.13	V
					9.21980	50.96	RMS	36.3	-95.2	-45.81	-53.75	-40	-13.75	H
					9.26442	51.84	RMS	36.4	-95.2	-46.5	-53.46	-40	-13.46	V

10.1.2. 5G NR n30

State A

Configuration:	EUT Only
Mode	5G NR n30 10MHz BPSK

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
3/12/2026	32934	03-RED-C	Mid Ch 2310	2	4.614881	51.29	RMS	34.0	-95.2	-47.47	-57.38	-40	-17.38	H
					6.944536	49.65	RMS	35.6	-95.2	-46.12	-56.07	-40	-16.07	H
					9.262031	52.24	RMS	36.5	-95.2	-44.30	-50.76	-40	-10.76	H
					4.577895	51.23	RMS	34.0	-95.2	-47.53	-57.50	-40	-17.50	V
					6.946056	50.39	RMS	35.6	-95.2	-46.11	-55.32	-40	-15.32	V
					9.296991	50.61	RMS	36.6	-95.2	-44.39	-52.38	-40	-12.38	V
3/17/2026	32934	02-RED-C		1	4.62400	47.74	Pk	34.0	-95.2	-47.59	-61.05	-40	-21.05	H
					6.93947	46.98	Pk	35.6	-95.2	-46.08	-58.70	-40	-18.70	H
					9.24683	47.27	Pk	36.5	-95.2	-44.57	-56.00	-40	-16.00	H
					4.59968	47.79	Pk	34.0	-95.2	-47.45	-60.86	-40	-20.86	V
					6.94859	47.30	Pk	35.6	-95.2	-46.12	-58.42	-40	-18.42	V
					9.27520	47.15	Pk	36.5	-95.2	-44.04	-55.59	-40	-15.59	V
3/10/2026	32934	03-RED-C		14	4.64123	47.61	Pk	34	-95.2	-47.55	-61.14	-40	-21.14	H
					6.92934	46.47	Pk	35.6	-95.2	-46.02	-59.15	-40	-19.15	H
					9.25190	47.73	Pk	36.5	-95.2	-44.46	-55.43	-40	-15.43	H
					4.61184	47.92	Pk	34	-95.2	-47.47	-60.75	-40	-20.75	V
					6.91895	46.71	Pk	35.6	-95.2	-46.00	-58.89	-40	-18.89	V
					9.24430	47.56	Pk	36.5	-95.2	-44.62	-55.76	-40	-15.76	V
3/20/2026	45258	03-RED-C		3	4.62147	52.01	RMS	34.0	-95.2	-47.61	-56.80	-40	-16.80	H
					4.62096	50.73	RMS	34.0	-95.2	-47.60	-58.07	-40	-18.07	V
					6.93390	49.14	RMS	35.6	-95.2	-45.96	-56.42	-40	-16.42	V
					6.92630	50.41	RMS	35.6	-95.2	-46.13	-55.32	-40	-15.32	H
					9.24024	49.62	RMS	36.5	-95.2	-44.56	-53.64	-40	-13.64	H
					9.23974	50.17	RMS	36.5	-95.2	-44.56	-53.09	-40	-13.09	V

State B

Configuration:	EUT Only
Mode	5G NR n30 10MHz BPSK

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
3/25/2026	32547	03-RED-B	Mid Ch 2310	2	4.61959	52.66	RMS	33.8	-95.2	-49.01	-57.75	-40	-17.75	H
					4.61223	52.61	RMS	33.8	-95.2	-48.97	-57.76	-40	-17.76	V
					6.92852	51.24	RMS	35.6	-95.2	-46.98	-55.34	-40	-15.34	H
					6.93048	50.76	RMS	35.6	-95.2	-46.99	-55.83	-40	-15.83	V
					9.20803	51.71	RMS	36.3	-95.2	-45.69	-52.88	-40	-12.88	H
					9.21294	50.04	RMS	36.3	-95.2	-45.87	-54.73	-40	-14.73	V
3/20/2026	25369	02-RED-B		1	4.61959	52.10	RMS	33.8	-95.2	-49.01	-58.31	-40	-18.31	V
					4.62008	52.90	RMS	33.8	-95.2	-49.03	-57.53	-40	-17.53	H
					6.94470	50.64	RMS	35.6	-95.2	-47.13	-56.09	-40	-16.09	V
					6.92411	51.18	RMS	35.6	-95.2	-46.97	-55.39	-40	-15.39	H
					9.22666	50.60	RMS	36.4	-95.2	-45.94	-54.14	-40	-14.14	V
					9.23157	50.86	RMS	36.4	-95.2	-46.13	-54.07	-40	-14.07	H
3/30/2026	115536	03-RED-B		14	4.62008	50.31	RMS	33.8	-95.2	-49.03	-60.12	-40	-20.12	H
					4.62008	51.26	RMS	33.8	-95.2	-49.03	-59.17	-40	-19.17	V
					6.92999	48.37	RMS	35.6	-95.2	-46.98	-58.21	-40	-18.21	H
					6.92999	48.57	RMS	35.6	-95.2	-46.98	-58.01	-40	-18.01	V
					9.23990	50.89	RMS	36.4	-95.2	-46.26	-54.17	-40	-14.17	H
					9.23990	48.61	RMS	36.4	-95.2	-46.26	-56.45	-40	-16.45	V
3/31/2026	115536	03-RED-B		3	4.62008	51	RMS	33.8	-95.2	-49.03	-59.43	-40	-19.43	H
					4.62008	50.19	RMS	33.8	-95.2	-49.03	-60.24	-40	-20.24	V
					6.92999	49.87	RMS	35.6	-95.2	-46.98	-56.71	-40	-16.71	H
					6.92999	49.96	RMS	35.6	-95.2	-46.98	-56.62	-40	-16.62	V
					9.23990	49.15	RMS	36.4	-95.2	-46.26	-55.91	-40	-15.91	H
					9.23990	47.91	RMS	36.4	-95.2	-46.26	-57.15	-40	-17.15	V

11. SETUP PHOTOS

Refer to 15941282-EP1 for setup photos.

END OF REPORT