TEST REPORT

Report Number: 14040867-E8V4

Applicant	:	Apple, Inc 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	:	A2649
Brand	:	APPLE
FCC ID	:	BCG-E8138A
EUT Description	:	SMARTPHONE
Test Standard(s)	:	FCC CFR 47 PART 2, 22H, 24E, 27, 90S, 90R, AND 96

Date Of Issue:
AUGUST 03, 2022

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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	6/30/2022	Initial Review	Eric Ting
V2	7/11/2022	Remove n48	Eric Ting
V3	7/25/2022	Addressed TCB Questions section 6.2	Eric Ting
V4	8/3/2022	Addressed TCB Questions section 6.5	Eric Ting

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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	A2649
Brand	APPLE
FCC ID	BCG-E8138A
EUT Description	SMARTPHONE
Serial Number	C07210600PX1J1C4 (CONDUCTED), V2V9KHF5W9, GFCR6GX7F3 (RADIATED)
Sample Receipt Date	JANUARY 27, 2022
Date Tested	FEBRUARY 01, 2022 to JUNE 29, 2022
Applicable Standards	FCC CFR47 2, 22H, 24E, 27, 90S, 90R, AND 96
Test Results	COMPLIES

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

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

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

Approved & Released By:	Reviewed By:	Prepared By:
		
Dan Coronia Operations Leader UL LLC	Eric Ting Test Engineer UL LLC.	Tony Li Test Engineer UL LLC

2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

Requirement Description	Band	Requirement Clause Number (FCC)	Result	Remarks
RF Conducted Output Power	26 (90S)	2.1046 , 90.635 (b)	Complies	
Effective Radiated Power	5, 26	22.913 (a)(5)	Complies	
	12	27.50 (c) (10)	Complies	
	13	27.50 (b) (10)	Complies	
	14	90.541 (d)	Complies	
	17	27.50 (c) (10)	Complies	
Equivalent Isotropic Radiated Power	2, 25	24.232 (c)	Complies	
	4, 66	27.50 (d) (4)	Complies	
	70	27.50 (d) (4)	Complies	
	5	-	Complies	
	30	27.50 (a) (3)	Complies	
	7, 41, 38	27.50 (h) (2)	Complies	
	48	96.41 (b)	Complies	
	71	27.50 (c) (10)	Complies	
	77	96.41 (b), 27.50 (j) (3), (k) (3)	Complies	

Requirement Description	Requirement Clause Number (FCC)	Result	Remarks
Occupied Bandwidth	2.1049	Complies	
Band Edge and Emission Mask	2.1051, 22.917 (a), 24.238 (a), 27.53 (h), 27.53 (m)(4) & (m) (6), 96.41(e) , 27.53 (g), 27.53 (c) (f), 27.53(a), 27.53(l), 90.543 (e)(f), 90.691 (a), 96.41(e)	Complies	
Out of Band Emissions	2.1051, 22.917 (a), 24.238 (a), 27.53 (h), 27.53 (m)(4) & (m) (6), 96.41(e) , 27.53 (g), 27.53 (c) (f), 27.53(a), 27.53(l), 90.543 (e)(f), 90.691 (a), 96.41(e)	Complies	
Frequency Stability	2.1055, 22.355, 24.235, 27.54, 90.539, 90.213	Complies	
Peak-to-Average Ratio	22.913 (d), 24.232 (d), 27.50 (d) (5), 27.50 (j) (4), 96.41 (g)	Complies	
Field Strength of Spurious Radiation	2.1053, 22.917 (a), 24.238 (a), 27.53 (h), 27.53 (m)(4) & (m) (6), 96.41(e) , 27.53 (g), 27.53 (c) (f), 27.53(a), 27.53(l), 90.543 (e)(f), 90.691 (a), 96.41(e)	Complies	

3. TEST METHODOLOGY

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

- ANSI C63.26:2015
- FCC CFR 47 Part 2, Part 22, Part 24, Part 27, Part 90, and Part 96
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r01: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01. Determining ERP and EIRP

4. FACILITIES AND ACCREDITATION

UL LLC 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	US0104	22541	550739
☐	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA	US0104	2324B	550739

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U_{Lab}
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.84 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
Occupied Channel Bandwidth	±1.22 %
Temperature	±2.26%
Supply voltages	±0.57 %
Time	±3.39 %

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 with multimedia functions (music, application support, and video), cellular GSM, GPRS, EGPRS, UMTS, LTE, 5G FR1, IEEE 802.11a/b/g/n/ac/ax, Bluetooth, Ultra-Wideband, GPS, NFC, and MSS. All models except reference model support at least one UICC based SIM. The second SIM is either an UICC based p-SIM (physical SIM) or e-SIM (electronic SIM). The device supports a built-in inductive charging transmitter and receiver. The rechargeable battery is not user accessible.

Testing was performed on the parent model and is used to support the application for the parent and variants identified in this report based on the test plan submitted and approved via KDB inquiry by the FCC and by ISED-Canada.

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE
ANSI C63.26:2015
KDB 971168 D01 Section 5.6

ERP/EIRP = PMeas + GT − 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 below tables contain the highest of all configurations average conducted and ERP/EIRP output powers as follows:

Note: for Band48 there are three antenna gains for different frequency range within assigned frequency spectrum. As a result, different antennas and conducted power combination are used to get the maximum EIRP or output powers.

LTE BAND 5

Part 22	
ERP Limit (W)	7.00
Antenna Gain (dBi)_(Ant1)	-4.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.70	18.95	0.079	1084	1M08G7W
	16QAM			25.34	18.59	0.072	1086	1M09D7W
3.0	QPSK	825.5	847.5	25.70	18.95	0.079	2692	2M69G7W
	16QAM			25.36	18.61	0.073	2694	2M69D7W
5.0	QPSK	826.5	846.5	25.70	18.95	0.079	4489	4M49G7W
	16QAM			25.29	18.54	0.071	4491	4M49D7W
10.0	QPSK	829.0	844.0	25.70	18.95	0.079	8966	8M97G7W
	16QAM			25.46	18.71	0.074	8960	8M96D7W

5G NR n5

Part 22	
ERP Limit (W)	7.00
Antenna Gain (dBi)Ans: Cor	-4.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	826.5	846.5	25.70	18.95	0.079	4515	4M52G7W
	QPSK			25.65	18.90	0.078	4482	4M48G7W
	16QAM			25.23	18.48	0.070	4473	4M47G7W
10.0	BPSK	829.0	844.0	25.70	18.95	0.079	8958	8M96G7W
	QPSK			25.67	18.92	0.078	8939	8M94G7W
	16QAM			25.08	18.33	0.068	8983	8M98G7W
15.0	BPSK	831.5	841.5	25.70	18.95	0.079	13495	13M5G7W
	QPSK			25.70	18.95	0.079	13451	13M5G7W
	16QAM			25.24	18.49	0.071	13443	13M4D7W
20.0	BPSK	834.0	839.0	25.66	18.91	0.078	17961	18M0G7W
	QPSK			25.70	18.95	0.079	17875	17M9G7W
	16QAM			25.27	18.52	0.071	17860	17M9D7W

LTE BAND 7

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	0.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2502.5	2567.5	25.00	25.20	0.331	4519	4M52G7W
	16QAM			24.35	24.55	0.285	4505	4M51D7W
10.0	QPSK	2505.0	2565.0	25.00	25.20	0.331	9002	9M00G7W
	16QAM			24.35	24.55	0.285	9002	9M00D7W
15.0	QPSK	2507.5	2562.5	25.00	25.20	0.331	13470	13M5G7W
	16QAM			24.38	24.58	0.287	13459	13M5D7W
20.0	QPSK	2510.0	2560.0	25.00	25.20	0.331	17912	17M9G7W
	16QAM			24.68	24.88	0.308	17946	17M9D7W

5G NR n7

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	0.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	2502.5	2567.5	24.86	25.06	0.321	4537	4M54G7W
	QPSK			25.00	25.20	0.331	4497	4M50G7W
	16QAM			24.50	24.70	0.295	4507	4M51D7W
10.0	BPSK	2505.0	2565.0	25.00	25.20	0.331	9002	9M00G7W
	QPSK			25.00	25.20	0.331	8960	8M96G7W
	16QAM			24.56	24.76	0.299	8937	8M94D7W
15.0	BPSK	2507.5	2562.5	24.92	25.12	0.325	13403	13M4G7W
	QPSK			25.00	25.20	0.331	13375	13M4G7W
	16QAM			24.45	24.65	0.292	13420	13M4D7W
20.0	BPSK	2510.0	2560.0	24.94	25.14	0.327	17909	17M9G7W
	QPSK			25.00	25.20	0.331	17896	17M9G7W
	16QAM			24.45	24.65	0.292	17911	17M9D7W
25.0	BPSK	2512.5	2557.5	25.00	25.20	0.331	22887	22M9G7W
	QPSK			25.00	25.20	0.331	22833	22M8G7W
	16QAM			24.52	24.72	0.296	22897	22M9D7W
30.0	BPSK	2515.0	2555.0	24.96	25.16	0.328	28526	28M5G7W
	QPSK			25.00	25.20	0.331	28631	28M6G7W
	16QAM			24.52	24.72	0.296	38587	38M6D7W
40.0	BPSK	2520.0	2550.0	24.98	25.18	0.330	38569	38M6G7W
	QPSK			25.00	25.20	0.331	38529	38M5G7W
	16QAM			24.52	24.72	0.296	38.507	38K5D7W

LTE BAND 12

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	699.7	715.3	25.70	18.65	0.073	1095	1M10G7W
	16QAM			25.33	18.28	0.067	1094	1M09D7W
3.0	QPSK	700.5	714.5	25.70	18.65	0.073	2701	2M70G7W
	16QAM			25.31	18.26	0.067	2715	2M72D7W
5.0	QPSK	701.5	713.5	25.70	18.65	0.073	4507	4M51G7W
	16QAM			25.41	18.36	0.069	4498	4M50D7W
10.0	QPSK	704.0	711.0	25.70	18.65	0.073	8970	8M97G7W
	16QAM			25.39	18.34	0.068	8970	8M97D7W

5G NR n12

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	701.5	713.5	25.70	18.65	0.073	4512	4M51G7W
	QPSK			25.70	18.65	0.073	4479	4M48G7W
	16QAM			25.27	18.22	0.066	4472	4M47D7W
10.0	BPSK	704.0	711.0	25.65	18.60	0.072	8977	8M98G7W
	QPSK			25.70	18.65	0.073	8963	8M96G7W
	16QAM			25.16	18.11	0.065	8941	8M94D7W
15.0	BPSK	706.5	708.5	25.65	18.60	0.072	13463	13M5G7W
	QPSK			25.70	18.65	0.073	13385	13M4G7W
	16QAM			25.24	18.19	0.066	13403	13M4D7W

LTE BAND 13

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	779.5	784.5	25.70	19.35	0.086	4501	4M50G7W
	16QAM			25.38	19.03	0.080	4502	4M50D7W
10.0	QPSK	782.0	782.0	25.70	19.35	0.086	8958	8M96G7W
	16QAM			25.33	18.98	0.079	8951	8M95D7W

LTE BAND 14

Part 90R	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	790.5	795.5	25.70	19.35	0.086	4512	4M51G7W
	16QAM			25.40	19.05	0.080	4497	4M50D7W
10.0	QPSK	793.0	793.0	25.70	19.35	0.086	8958	8M96G7W
	16QAM			25.39	19.04	0.080	8984	8M98D7W

5G NR n14

Part 90R	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	790.5	795.5	25.67	19.32	0.086	4513	4M51G7W
	QPSK			25.70	19.35	0.086	4479	4M48G7W
	16QAM			25.11	18.76	0.075	4495	4M50D7W
10.0	BPSK	793.0	793.0	25.69	19.34	0.086	8981	8M98G7W
	QPSK			25.70	19.35	0.086	8915	8M92G7W
	16QAM			25.05	18.70	0.074	8924	8M92D7W

LTE BAND 17

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	706.5	713.5	25.70	18.65	0.073	4500	4M50G7W
	16QAM			25.42	18.37	0.069	4502	4M50D7W
10.0	QPSK	709.0	711.0	25.70	18.65	0.073	8988	8M99G7W
	16QAM			25.51	18.46	0.070	8997	9M00D7W

LTE BAND 25

Part 24	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	2.10

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1850.7	1914.3	25.20	27.30	0.537	1089	1M09G7W
	16QAM			24.55	26.65	0.462	1098	1M10D7W
3.0	QPSK	1851.5	1913.5	25.20	27.30	0.537	2708	2M71G7W
	16QAM			24.58	26.68	0.466	2706	2M71D7W
5.0	QPSK	1852.5	1912.5	25.20	27.30	0.537	4504	4M50G7W
	16QAM			24.66	26.76	0.474	4500	4M50D7W
10.0	QPSK	1855.0	1910.0	25.20	27.30	0.537	8984	8M98G7W
	16QAM			24.61	26.71	0.469	9010	9M01D7W
15.0	QPSK	1857.5	1907.5	25.20	27.30	0.537	13460	13M5G7W
	16QAM			24.51	26.61	0.458	13473	13M5D7W
20.0	QPSK	1860.0	1905.0	25.20	27.30	0.537	17963	18M0G7W
	16QAM			24.76	26.86	0.485	17956	18M0D7W

5G NR n25

Part 24	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	2.10

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	1852.5	1912.5	25.20	27.30	0.537	4527	4M53G7W
	QPSK			25.14	27.24	0.530	4495	4M50G7W
	16QAM			24.54	26.64	0.461	4505	4M51D7W
10.0	BPSK	1855.0	1910.0	25.11	27.21	0.526	8970	8M97G7W
	QPSK			25.20	27.30	0.537	8936	8M94G7W
	16QAM			24.63	26.73	0.471	8939	8M94D7W
15.0	BPSK	1857.5	1907.5	25.20	27.30	0.537	13486	13M5G7W
	QPSK			24.99	27.09	0.512	13416	13M4G7W
	16QAM			24.71	26.81	0.480	13421	13M4D7W
20.0	BPSK	1860.0	1905.0	25.20	27.30	0.537	17946	17M9G7W
	QPSK			25.12	27.22	0.527	17972	18M0G7W
	16QAM			24.54	26.64	0.461	17934	17M9D7W
25.0	BPSK	1862.5	1902.5	25.20	27.30	0.537	22935	22M9G7W
	QPSK			25.20	27.30	0.537	22946	22M9G7W
	16QAM			24.61	26.71	0.469	23003	23M0D7W
30.0	BPSK	1865.0	1900.0	25.11	27.21	0.526	28686	28M7G7W
	QPSK			25.20	27.30	0.537	28700	28M7G7W
	16QAM			24.43	26.53	0.450	28727	28M7D7W
40.0	BPSK	1870.0	1895.0	25.20	27.30	0.537	38632	38M6G7W
	QPSK			25.19	27.29	0.536	38580	38M6G7W
	16QAM			24.88	26.98	0.499	38567	38M6D7W

LTE BAND 26 (Part 90S)

Part 90S	
Conducted Limit (W)	100.00
Antenna Gain (dBi)_(Ant1)	-4.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	Conducted Average (W)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	814.7	823.3	25.70	0.372	18.95	0.079	1094	1M09G7W
	16QAM			25.30	0.339	18.55	0.072	1094	1M09D7W
3.0	QPSK	815.5	822.5	25.70	0.372	18.95	0.079	2698	2M70G7W
	16QAM			25.30	0.339	18.55	0.072	2711	2M71D7W
5.0	QPSK	816.5	821.5	25.70	0.372	18.95	0.079	4498	4M50G7W
	16QAM			25.41	0.348	18.66	0.073	4505	4M51D7W
10.0	QPSK	819.0	819.0	25.70	0.372	18.95	0.079	8971	8M97G7W
	16QAM			25.41	0.348	18.66	0.073	8977	8M98D7W

5G NR n26 (Part 90S)

Part 90S	
Conducted Limit (W)	100.00
Antenna Gain (dBi)_(Ant1)	-4.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	Conducted Average (W)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)
5.0	BPSK	816.5	821.5	25.66	0.368	18.91	0.078	4559
	QPSK			25.70	0.372	18.95	0.079	4509
	16QAM			25.24	0.334	18.49	0.071	4501
10.0	BPSK	819.0	819.0	25.65	0.367	18.90	0.078	8978
	QPSK			25.70	0.372	18.95	0.079	8929
	16QAM			25.33	0.341	18.58	0.072	8934

LTE BAND 30

Part 27								
EIRP Limit (W)		0.25						
Antenna Gain (dBi)_(Ant3)		0.40						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2307.5	2312.5	23.10	23.50	0.224	4504	4M50G7W
	16QAM			22.50	22.90	0.195	4515	4M52D7W
10.0	QPSK	2310.0	2310.0	23.10	23.50	0.224	8988	8M99G7W
	16QAM			22.43	22.83	0.192	8983	8M98D7W

5G NR n30

Part 27								
EIRP Limit (W)		0.25						
Antenna Gain (dBi)_(Ant3)		0.40						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	2307.5	2312.5	23.09	23.49	0.223	4554	4M55G7W
	QPSK			23.10	23.50	0.224	4510	4M51G7W
	16QAM			22.40	22.80	0.191	4509	4M51D7W
10.0	BPSK	2310.0	2310.0	23.10	23.50	0.224	8979	8M98G7W
	QPSK			23.01	23.41	0.219	8980	8M98G7W
	16QAM			22.20	22.60	0.182	8915	8M92D7W

LTE BAND 41

Part 27								
EIRP Limit (W)		2.00						
Antenna Gain (dBi)_(Ant2)		1.60						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2498.5	2687.5	28.70	30.30	1.072	4499	4M50G7W
	16QAM			28.40	30.00	1.000	4517	4M52D7W
10.0	QPSK	2501.0	2685.0	28.70	30.30	1.072	8991	8M99G7W
	16QAM			28.52	30.12	1.028	8984	8M98D7W
15.0	QPSK	2503.5	2682.5	28.70	30.30	1.072	13462	13M5G7W
	16QAM			28.68	30.28	1.067	13512	13M5D7W
20.0	QPSK	2506.0	2680.0	28.70	30.30	1.072	17924	17M9G7W
	16QAM			28.54	30.14	1.033	17955	18M0D7W

5G NR n41

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant2)	1.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20.0	BPSK	2506.5	2680.0	28.70	30.30	1.072	17967	18M0G7W
	QPSK			28.50	30.10	1.023	17950	18M0G7W
	16QAM			28.46	30.06	1.014	18024	18M0D7W
30.0	BPSK	2511.0	2675.0	28.70	30.30	1.072	26924	26M9G7W
	QPSK			28.43	30.03	1.007	2684	2M68G7W
	16QAM			28.35	29.95	0.989	26899	26M9D7W
40.0	BPSK	2516.0	2670.0	28.70	30.30	1.072	35816	35M8G7W
	QPSK			28.63	30.23	1.054	35720	35M7G7W
	16QAM			28.55	30.15	1.035	35776	35M8D7W
50.0	BPSK	2521.0	2665.0	28.67	30.27	1.064	45861	45M9G7W
	QPSK			28.70	30.30	1.072	45829	45M8G7W
	16QAM			28.65	30.25	1.059	45904	45M9D7W
60.0	BPSK	2526.0	2660.0	28.70	30.30	1.072	58072	58M1G7W
	QPSK			28.69	30.29	1.069	57870	57M9G7W
	16QAM			28.61	30.21	1.050	57986	58M0D7W
70.0	BPSK	2531.0	2655.0	28.70	30.30	1.072	64390	64M4D7W
	QPSK			28.58	30.18	1.042	64246	64M2D7W
	16QAM			28.48	30.08	1.019	64489	64M5D7W
80.0	BPSK	2536.0	2650.0	28.70	30.30	1.072	77479	77M5G7W
	QPSK			28.67	30.27	1.064	77234	77M2G7W
	16QAM			28.54	30.14	1.033	77368	77M4D7W
90.0	BPSK	2541.0	2645.0	28.68	30.28	1.067	86956	87M0G7W
	QPSK			28.70	30.30	1.072	86629	86M6G7W
	16QAM			28.66	30.26	1.062	86943	86M9D7W
100.0	BPSK	2546.0	2640.0	28.70	30.30	1.072	96559	96M6G7W
	QPSK			28.68	30.28	1.067	96341	96M3G7W
	16QAM			28.65	30.25	1.059	96354	96M4D7W

LTE BAND 48

LOW CHANNEL

Part 96	
EIRP Limit (W)/ 10MHz	0.20
Antenna Gain (dBi)_(Ant4)	-3.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	25.00	21.80	0.151	4466	4M47G7W
	16QAM			24.57	21.37	0.137	4446	4M45D7W
10.0	QPSK	3555.0	3695.0	25.00	21.80	0.151	8965	8M97G7W
	16QAM			24.66	21.46	0.140	8904	8M90D7W
15.0	QPSK	3557.5	3692.5	25.00	21.80	0.151	13426	13M4G7W
	16QAM			24.73	21.53	0.142	13337	13M3D7W
20.0	QPSK	3560.0	3690.0	25.00	21.80	0.151	17883	17M9G7W
	16QAM			24.70	21.50	0.141	17850	17M9D7W

MIDDLE CHANNEL

Part 96	
EIRP Limit (W)/ 10MHz	0.20
Antenna Gain (dBi)_(Ant4)	-2.80

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	25.00	22.20	0.166	4466	4M47G7W
	16QAM			24.92	22.12	0.163	4446	4M45D7W
10.0	QPSK	3555.0	3695.0	25.00	22.20	0.166	8965	8M97G7W
	16QAM			24.58	21.78	0.151	8904	8M90D7W
15.0	QPSK	3557.5	3692.5	25.00	22.20	0.166	13426	13M4G7W
	16QAM			24.73	21.93	0.156	13337	13M3D7W
20.0	QPSK	3560.0	3690.0	25.00	22.20	0.166	17883	17M9G7W
	16QAM			24.88	22.08	0.161	17850	17M9D7W

HIGH CHANNEL

Part 96	
EIRP Limit (W)/ 10MHz	0.20
Antenna Gain (dBi)_(Ant8)	-4.10

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	26.00	21.90	0.155	4466	4M47G7W
	16QAM			25.83	21.73	0.149	4446	4M45D7W
10.0	QPSK	3555.0	3695.0	26.00	21.90	0.155	8965	8M97G7W
	16QAM			25.70	21.60	0.145	8904	8M90D7W
15.0	QPSK	3557.5	3692.5	26.00	21.90	0.155	13426	13M4G7W
	16QAM			25.66	21.56	0.143	13337	13M3D7W
20.0	QPSK	3560.0	3690.0	26.00	21.90	0.155	17883	17M9G7W
	16QAM			25.97	21.87	0.154	17850	17M9D7W

LTE BAND 66

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant3)	1.40

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1710.7	1779.3	25.20	26.60	0.457	1090	1M09G7W
	16QAM			24.53	25.93	0.392	1095	1M10D7W
3.0	QPSK	1711.5	1778.5	25.20	26.60	0.457	2705	2M71G7W
	16QAM			24.63	26.03	0.401	2697	2M70D7W
5.0	QPSK	1712.5	1777.5	25.20	26.60	0.457	4488	4M49G7W
	16QAM			24.64	26.04	0.402	4502	4M50D7W
10.0	QPSK	1715.0	1775.0	25.20	26.60	0.457	8987	8M99G7W
	16QAM			24.53	25.93	0.392	8979	8M98D7W
15.0	QPSK	1717.5	1772.5	25.20	26.60	0.457	13465	13M5G7W
	16QAM			24.53	25.93	0.392	13441	13M4D7W
20.0	QPSK	1720.0	1770.0	25.20	26.60	0.457	17920	17M9G7W
	16QAM			24.74	26.14	0.411	17944	17M9D7W

5G NR n66

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant3)	1.40

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	1712.5	1777.5	25.19	26.59	0.456	4479	4M48G7W
	QPSK			25.20	26.60	0.457	4481	4M48G7W
	16QAM			24.68	26.08	0.406	4483	4M48D7W
10.0	BPSK	1715.0	1775.0	25.15	26.55	0.452	8983	8M98G7W
	QPSK			25.20	26.60	0.457	8931	8M93G7W
	16QAM			24.71	26.11	0.408	8957	8M96D7W
15.0	BPSK	1717.5	1772.5	25.19	26.59	0.456	13416	13M4G7W
	QPSK			25.20	26.60	0.457	13416	13M4G7W
	16QAM			24.71	26.11	0.408	13423	13M4D7W
20.0	BPSK	1720.0	1770.0	25.16	26.56	0.453	17928	17M9G7W
	QPSK			25.20	26.60	0.457	17869	17M9G7W
	16QAM			24.73	26.13	0.410	17915	17M9D7W
30.0	BPSK	1725.0	1765.0	25.20	26.60	0.457	28708	28M7G7W
	QPSK			25.19	26.59	0.456	28539	28M5G7W
	16QAM			24.72	26.12	0.409	38562	38M6D7W
40.0	BPSK	1730.0	1760.0	25.19	26.59	0.456	38701	38M7G7W
	QPSK			25.20	26.60	0.457	38493	38M5G7W
	16QAM			24.68	26.08	0.406	38562	38M6D7W

5G NR n70

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant3)	-0.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	1697.5	1707.5	25.20	25.00	0.316	4529	4M53G7W
	QPSK			25.19	24.99	0.316	4496	4M50G7W
	16QAM			24.70	24.50	0.282	4497	4M50D7W
10.0	BPSK	1700.0	1705.0	25.18	24.98	0.315	8975	8M98G7W
	QPSK			25.20	25.00	0.316	8940	8M94G7W
	16QAM			25.14	24.94	0.312	8976	8M98D7W
15.0	BPSK	1702.5	1702.5	25.19	24.99	0.316	13458	13M5G7W
	QPSK			25.20	25.00	0.316	13438	13M4G7W
	16QAM			25.20	25.00	0.316	13417	13M4D7W

LTE BAND 71

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-5.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	665.5	695.5	25.70	17.65	0.058	4500	4M50G7W
	16QAM			25.36	17.31	0.054	4539	4M54D7W
10.0	QPSK	668.0	693.0	25.70	17.65	0.058	8966	8M97G7W
	16QAM			25.38	17.33	0.054	8955	8M96D7W
15.0	QPSK	670.5	690.5	25.70	17.65	0.058	13444	13M4G7W
	16QAM			25.30	17.25	0.053	13426	13M4D7W
20.0	QPSK	673.0	688.0	25.70	17.65	0.058	17863	17M9G7W
	16QAM			25.41	17.36	0.054	17822	17M8D7W

5G NR n71

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-5.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	665.5	695.5	25.63	17.58	0.057	4535	4M54G7W
	QPSK			25.70	17.65	0.058	4495	4M50G7W
	16QAM			24.95	16.90	0.049	4496	4M50D7W
10.0	BPSK	668.0	693.0	25.61	17.56	0.057	8968	8M97G7W
	QPSK			25.70	17.65	0.058	8944	8M94G7W
	16QAM			24.83	16.78	0.048	8923	8M92D7W
15.0	BPSK	670.5	690.5	25.61	17.56	0.057	13451	13M5G7W
	QPSK			25.70	17.65	0.058	13421	13M4G7W
	16QAM			24.79	16.74	0.047	13455	13M5D7W
20.0	BPSK	673.0	688.0	25.69	17.64	0.058	17847	17M8G7W
	QPSK			25.70	17.65	0.058	17879	17M9G7W
	16QAM			25.10	17.05	0.051	17845	17M8D7W

5G NR n77 (Part 27 3450-3550MHz)

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant9)	-1.2

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
10.0	BPSK	3455.0	3545.0	28.69	27.49	0.561	8693	8M69G7W
	QPSK			28.70	27.50	0.562	8641	8M64G7W
	16QAM			28.70	27.50	0.562	8643	8M64D7W
15.0	BPSK	3557.5	3692.5	28.70	27.50	0.562	13048	13M0D7W
	QPSK			27.97	26.77	0.475	12979	13M0D7W
	16QAM			27.35	26.15	0.412	12940	12M9D7W
20.0	BPSK	3460.0	3540.0	28.70	27.50	0.562	17936	17M9D7W
	QPSK			28.63	27.43	0.553	17891	17M9D7W
	16QAM			27.70	26.50	0.447	17876	17M9D7W
30.0	BPSK	3465.0	3535.0	28.70	27.50	0.562	26921	26M9G7W
	QPSK			28.38	27.18	0.522	26758	26M8G7W
	16QAM			27.83	26.63	0.460	26997	27M0D7W
40.0	BPSK	3470.0	3530.0	28.70	27.50	0.562	35861	35M9G7W
	QPSK			28.34	27.14	0.518	35756	35M8G7W
	16QAM			27.56	26.36	0.433	35697	35M7D7W
50.0	BPSK	3475.0	3525.0	28.70	27.50	0.562	45913	45M9G7W
	QPSK			28.67	27.47	0.558	45894	45M9G7W
	16QAM			28.05	26.85	0.484	45743	45M7D7W
60.0	BPSK	3480.0	3520.0	28.70	27.50	0.562	57867	57M9G7W
	QPSK			28.58	27.38	0.547	57775	57M8G7W
	16QAM			28.01	26.81	0.480	57715	57M7D7W
70.0	BPSK	3485.0	3515.0	28.70	27.50	0.562	64489	64M5G7W
	QPSK			28.70	27.50	0.562	64504	64M5G7W
	16QAM			28.01	26.81	0.480	64395	64M4D7W
80.0	BPSK	3490.0	3510.0	28.70	27.50	0.562	77246	77M2G7W
	QPSK			28.70	27.50	0.562	76963	77M0G7W
	16QAM			28.20	27.00	0.501	77107	77M1D7W
90.0	BPSK	3495.0	3505.0	28.70	27.50	0.562	87016	87M0G7W
	QPSK			28.70	27.50	0.562	86903	86M9G7W
	16QAM			28.22	27.02	0.504	86740	86M7D7W
100.0	BPSK	3500.0	3500.0	28.70	27.50	0.562	96422	96M4G7W
	QPSK			28.56	27.36	0.545	96394	96M4G7W
	16QAM			28.13	26.93	0.493	96351	96M4D7W

5G NR n77 (Part 27 3700-3980MHz)

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi) (Ant9)	0.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
10.0	BPSK	3705.0	3975.0	28.70	28.70	0.741	8662	8M66G7W
	QPSK			28.70	28.70	0.741	8611	8M61G7W
	16QAM			27.69	27.69	0.587	8598	8M60D7W
15.0	BPSK	3707.5	3972.5	28.70	28.70	0.741	12965	13M0G7W
	QPSK			28.43	28.43	0.697	12871	12M9G7W
	16QAM			27.77	27.77	0.598	12916	12M9D7W
20.0	BPSK	3710.0	3970.0	28.70	28.70	0.741	17895	17M9G7W
	QPSK			28.70	28.70	0.741	17919	17M9G7W
	16QAM			28.48	28.48	0.705	17883	17M9D7W
30.0	BPSK	3715.0	3965.0	28.66	28.66	0.735	26820	26M8D7W
	QPSK			28.70	28.70	0.741	26844	26M8D7W
	16QAM			28.32	28.32	0.679	26841	26M8D7W
40.0	BPSK	3720.0	3960.0	28.70	28.70	0.741	35837	35M8G7W
	QPSK			28.70	28.70	0.741	35751	35M8G7W
	16QAM			28.22	28.22	0.664	35800	35M8D7W
50.0	BPSK	3725.0	3955.0	28.70	28.70	0.741	45638	45M6G7W
	QPSK			28.70	28.70	0.741	45742	45M7G7W
	16QAM			28.14	28.14	0.652	45683	45M7D7W
60.0	BPSK	3730.0	3950.0	28.70	28.70	0.741	57862	57M9G7W
	QPSK			28.65	28.65	0.733	57864	57M9G7W
	16QAM			28.27	28.27	0.671	57858	57M9D7W
70.0	BPSK	3735.0	3945.0	28.70	28.70	0.741	64461	64M5G7W
	QPSK			28.70	28.70	0.741	64155	64M2G7W
	16QAM			28.35	28.35	0.684	64368	64M4D7W
80.0	BPSK	3740.0	3940.0	28.70	28.70	0.741	77133	77M1G7W
	QPSK			28.70	28.70	0.741	77229	77M2G7W
	16QAM			28.24	28.24	0.667	77203	77M2D7W
90.0	BPSK	3745.0	3935.0	28.70	28.70	0.741	86749	86M7G7W
	QPSK			28.70	28.70	0.741	86797	86M8G7W
	16QAM			28.31	28.31	0.678	86844	86M8D7W
100.0	BPSK	3750.0	3930.0	28.70	28.70	0.741	96309	96M3G7W
	QPSK			28.70	28.70	0.741	96374	96M4G7W
	16QAM			28.30	28.30	0.676	96224	96M2D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version: 0.15.02

6.4. MAXIMUM ANTENNA GAIN

The antenna(s) gain(s) and type, as provided by the manufacturer' are as follows:

LTE and 5G NR Bands	Frequency Range (MHz)	ANT 1 Antenna Gain (dBi)	ANT 2 Antenna Gain (dBi)	ANT 3 Antenna Gain (dBi)	ANT 4 Antenna Gain (dBi)	ANT 7 Antenna Gain (dBi)	ANT 8 Antenna Gain (dBi)	ANT 9 Antenna Gain (dBi)
LTE Band 2, 5G NR n2	1850 – 1910	-2.6	-2.1	2.1	-1.7			
LTE Band 4	1710 – 1755	-1.4	-3.9	0.0	-2.4			
LTE Band 5, 5G NR n5	824 – 849	-4.6	-5.8					
LTE Band 7, 5G NR n7	2500 – 2570	-1.3	-0.7	0.2	-1.5			
LTE Band 12, 5G NR n12	699 – 716	-4.9	-5.9					
LTE Band 13	777 – 787	-4.2	-5.8					
LTE Band 14, 5G NR n14	788 – 798	-4.2	-5.8					
LTE Band 17	704 – 716	-4.9	-5.9					
LTE Band 25, 5G NR n25	1850 – 1915	-2.6	-2.1	2.1	-1.7			
LTE Band 26	814 – 849	-4.6	-5.8					
LTE Band 30, 5G NR n30	2305 – 2315	-2.4	-2.6	0.4	-1.3			
LTE Band 41, 5G NR n41	2496 – 2690	-1.1	1.6	0.6	-2.0			
LTE Band 48 (Low)	3550 – 3600				-3.2	-5.0	-5.0	-1.7
LTE Band 48 (Mid)	3600 – 3650				-2.8	-3.9	-4.0	-0.2
LTE Band 48 (High)	3650 – 3700				-3.5	-5.3	-4.1	0.7
LTE Band 66, 5G NR n66	1710 – 1780	-1.5	-4.8	1.4	-2.9			
5G NR n70	1695 – 1710	-1.6	-3.8	-0.2	-2.4			
LTE Band 71, 5G NR n71	663 – 698	-5.9	-5.9					
5G NR n77	3450 – 3550				-2.1	-3.8	-5.3	-1.2
5G NR n77	3700 – 3980				-2.5	-6.8	-4.4	0.0

6.5. WORST-CASE CONFIGURATION AND MODE

The EUT supports the following LTE and 5G NRs:
Band 2, Band 4, Band 5, Band 7, Band 12, Band 13, Band 14, Band 17, Band 25, Band 26, Band 30, Band 41, Band 48, Band 66, Band 71, 5G NR n2, 5G NR n5, 5G NR n7, 5G NR n12, 5G NR n14, 5G NR n25, 5G NR n26, 5G NR n41, 5G NR n66, 5G NR n70, 5G NR n71, and 5G NR n77.

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.

LTE Band 4 (1710-1755MHz, 5/10/15/20MHz bandwidth) is covered by LTE Band 66. Because it is a subset of LTE band 66 and they have same output power.

FCC rule Part 22.905 (824-849MHz) of LTE Band 26 and 5G NR n26 are covered by LTE Band 5 and 5G NR n5 of same rule since they have 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 sections 8 and 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 for Conducted Power
LTE BAND 5 and 5G NR n5	Ant 1
LTE BAND 7 and 5G NR n7	
LTE BAND 12 and 5G NR n12	
LTE BAND 13	
LTE BAND 14 and 5G NR n14	
LTE Band 17	
LTE BAND 25 and 5G NR n25	
LTE BAND 26 and 5G NR n26	
LTE BAND 30 and 5G NR n30	
5G NR n38	
LTE BAND 66 and 5G NR n66	
5G NR n70	
LTE BAND 71 and 5G NR n71	
5G NR n41	Ant 2
5G NR n77	Ant 7
LTE BAND 48	

The EUT was investigated in three orthogonal orientations X/Y/Z on all ANT 1, ANT2, ANT3, ANT4, ANT7, ANT8 and ANT 9 antennas to determine the worst case orientation. The following table exabit the worst case orientation for different frequency bands. The full tests of the EUT have made upon the orientations that shown in the table below.

Frequency Bands	ANT1	ANT2	ANT3	ANT4	ANT7	ANT8	ANT9
663 – 849 MHz	X	X	N/A	N/A	N/A	N/A	N/A
1710 – 1915 MHz	Y	X	X	X	N/A	N/A	N/A
2300 – 2700 MHz	X	Z	Y	Y	N/A	N/A	N/A
3300 – 3980 MHz	N/A	N/A	N/A	Y	Y	Z	Y

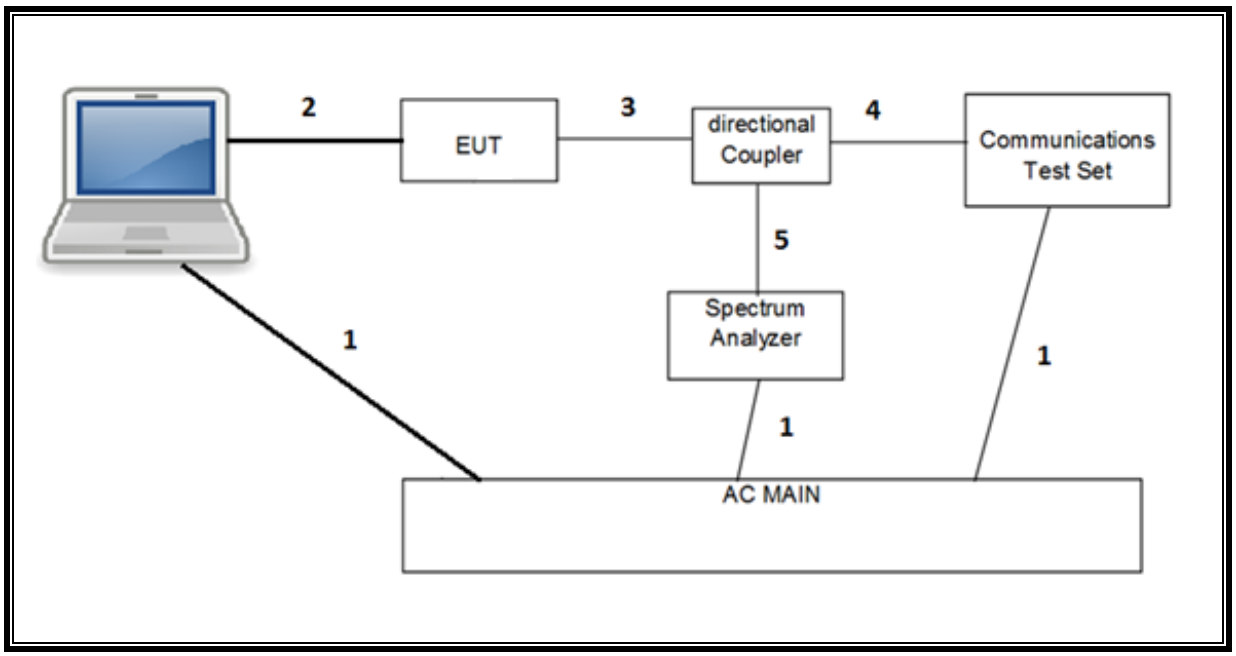
Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 1GHz.

For simultaneous transmission of multiple channels in the 2.4GHz/5GH 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.

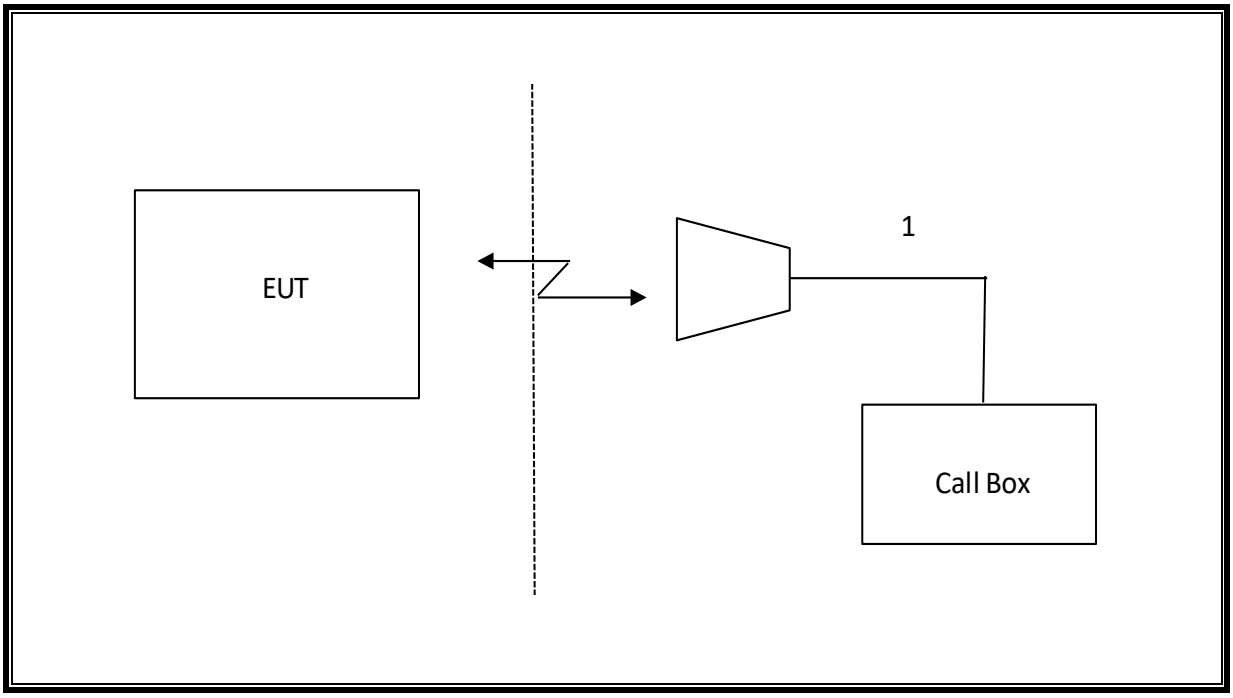
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		**Manufacturer**	**Model**	**Serial Number**		**FCC ID/ DoC**
Laptop		Apple	MacBook Pro	HRP082673		BCGA1708
AC/DC adapter		Apple	A1718	C4H64450HH3GN8RA6		--
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	Un-shielded	1.0	N/A
3	RF In/Out	1	EUT	Un-shielded	0.6	N/A
4	RF In/Out	1	Communication Test Set	Un-shielded	1.2	N/A
5	RF In/Out	1	Barrel	N/A	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	Antenna	Un-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**
*Antenna, Horn 1-18GHz	ETS Lindgren	3117	79834	06/14/2222
*Antenna, Horn 1-18GHz	ETS Lindgren	3117	80403	06/13//2022
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences	JB3	85151	03/21/2023
*Amplifier, 1 to 18GHz	Miteq	AFS42-00101800-25-S-42	T1165	06/12/2022
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	85212	0/30/2023
Spectrum Analyzer, PSA, 3Hz to 44GHz	Keysight	N9030A	85213	01/19/2023
Spectrum Analyzer, PSA, 3Hz to 44GHz	Keysight	N9030A	125178	01/24/2023
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	85201	02/01/2023
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	85214	02/02/2023
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	80400	02/01/2023
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	80397	02/01/2023
Spectrum Analyzer, PXA, 3Hz to 50GHz w/Ext. Mixer	Keysight	N9030A	T342	02/01/2023
Spectrum Analyzer, PSA 3Hz to 44GHz	Keysight	E4440A	81311	02/02/2023
Directional Coupler	KRYTAR	152610	T1161	09/23/2022
Directional Coupler	KRYTAR	152610	T1536	09/23/2022
Directional Coupler	KRYTAR	152610	T1537	09/23/2022
Power Meter, P-series single channel	Keysight	N1912A	90630	01/24/2023
Power Meter, P-series single channel	Keysight	N1912A	90719	01/24/2023
Power Meter, P-series single channel	Agilent	N1911A	82174	01/24/2023
Power Sensor, P – series, 50MHz to 18GHz, Wideband	Keysight	N1921A	90389	01/25/2023
Filter, HPF 1.2GHz	Micro-Tronics	152043	152043	7/29/2022
Filter, BRF 1850 – 1910 MHz	Micro-Tronics	155055	155055	12/20/2022
Filter, BRF 2495 – 2690 MHz	Micro-Tronics	155050	155055	7/30/2022
Filter, BRF 3.4 – 3.8GHz	Micro-Tronics	208398	208398	7/30/2022
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	80397	02/01/2023
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	85827	02/21/2023
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	80105	02/21/2023
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	159994	02/23/2023
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	85806	02/22/2023
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	85943	02/20/2023
5G NR Communication Test Set, Call Box	Keysight	UXM	207269	01/24/2023
5G NR Communication Test Set, Call Box	Keysight	UXM	MY60101138	12/21/2023
*Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	T754	06/16/2022
*Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	T1154	06/15/2022
Amplifier, 218GHz to 26.5GHz	Amplical	AMP18G26.5-60	215705	02/26/2023
Amplifier, 26.5GHz to 40GHz	Amplical	AMP26G40-65	172346	02/01/2023
Antenna, Horn 18 to 26.5GHz	ARA	MWH-1826/B	172362	02/09/2023
Antenna, Horn 26.5GHz to 40GHz	ARA	MWH-2640/B	172365	03/08/2023
Antenna, Active Loop 9KHz to 30MHz	EMCO	6502	T35	10/05/2022
UL AUTOMATION SOFTWARE				
CLT Software	UL	UL RF	Ver 3.4, May 20, 2022	
Power Measurement Software	UL	UL RF	Ver 3.1.4, April 29, 2022	
Radiated test software	UL	UL RF	Ver 9.5, Jan 21, 2022	

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 VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

All LTE bands conducted average power is obtained from the CMW500 telecommunication test set.

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS136.101 specification.

UE Power Class: 3 (23 +/- 2dBm). Band 41 UE Power Class: 2 (26 +/-2 dBm).The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS136.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS136.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (subclause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	N/A
NS_03	6.6.2.2.1	2, 4,10, 23, 25, 35, 36, 66, 70	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2, 6.6.3.3.19	41	5, 10, 15, 20	Table 6.2.4-4, Table 6.2.4-4a	

RESULTS

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

8.1. LTE BAND 5 AND 5G NR n5

LTE BAND 5

Test Engineer ID:	27342	Test Date:	6/10/2022

OUTPUT POWER FOR LTE BAND 5 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26797	26915	27033	26797	26915	27033
				824.7	836.5	848.3	824.7	836.5	848.3
1.4	QPSK	1	0	25.47	25.28	25.39	24.38	24.55	24.37
		1	2	25.66	**25.70**	25.28	24.55	24.60	24.37
		1	5	25.67	25.65	25.46	24.54	24.68	24.51
		3	0	25.61	25.49	25.44	24.53	24.52	24.40
		3	1	25.68	25.45	25.48	24.52	24.43	24.60
		3	2	25.58	25.42	25.56	**24.70**	24.58	24.49
		6	0	24.88	24.73	24.70	23.61	23.54	23.39
	16QAM	1	0	24.85	**25.34**	25.28	23.66	23.96	23.95
		1	2	25.13	25.12	25.24	23.92	24.01	23.81
		1	5	25.03	25.18	25.31	23.82	**24.09**	23.70
		3	0	25.18	24.84	25.06	24.01	23.71	23.58
		3	1	25.23	24.84	25.08	24.07	23.91	23.59
		3	2	25.05	25.14	25.14	24.04	23.78	23.71
		6	0	24.04	24.10	23.77	22.68	22.66	22.71
	64QAM	1	0	24.21	24.15	24.05	22.92	23.07	22.86
		1	2	24.34	24.34	24.13	23.13	23.06	23.11
		1	5	**24.42**	24.26	24.11	23.01	23.00	**23.14**
		3	0	24.24	24.16	24.17	22.80	22.71	22.85
		3	1	24.35	24.23	24.05	22.83	22.91	22.70
		3	2	24.30	24.34	24.02	22.89	22.73	22.84
		6	0	23.39	23.22	23.11	21.88	21.67	21.83
	256QAM	1	0	21.23	21.17	21.10	19.86	19.72	19.98
		1	2	21.39	21.11	21.00	**20.03**	19.82	19.81
		1	5	21.17	21.01	21.20	19.89	19.85	19.84
		3	0	21.04	21.08	21.10	19.93	19.82	19.70
		3	1	21.15	21.12	21.07	19.78	19.82	19.74
		3	2	21.05	21.00	21.06	19.69	19.79	19.78
		6	0	**21.40**	21.14	21.21	19.63	19.79	19.75

OUTPUT POWER FOR LTE BAND 5 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26805	26915	27025	26805	26915	27025
				825.5	836.5	847.5	825.5	836.5	847.5
3.0	QPSK	1	0	25.53	25.42	25.35	24.11	24.60	24.59
		1	7	25.49	25.58	25.69	24.39	**24.70**	24.11
		1	14	**25.70**	25.50	25.42	24.31	24.48	24.45
		8	0	24.73	24.93	24.92	23.21	23.24	23.60
		8	4	24.89	24.95	24.68	23.51	23.47	23.31
		8	7	24.93	24.80	24.69	23.60	23.48	23.29
		15	0	24.95	24.62	24.72	23.48	23.62	23.28
	16QAM	1	0	**25.36**	24.98	25.21	23.91	23.97	24.07
		1	7	25.13	25.29	25.20	24.06	**24.10**	24.06
		1	14	25.17	25.14	25.19	23.67	23.89	23.86
		8	0	23.96	24.02	23.87	22.75	22.64	22.94
		8	4	24.07	24.07	23.84	23.05	22.57	22.62
		8	7	24.11	23.92	24.04	22.85	22.84	22.63
		15	0	24.20	24.07	24.05	22.94	22.93	22.44
	64QAM	1	0	24.06	24.23	23.76	22.63	22.74	22.75
		1	7	24.05	24.17	24.12	23.10	23.08	22.61
		1	14	24.12	**24.27**	24.06	22.91	**23.14**	22.68
		8	0	22.82	22.86	22.71	21.85	21.47	21.41
		8	4	23.18	22.99	22.85	21.85	21.65	21.67
		8	7	22.82	22.83	22.77	21.62	21.58	21.72
		15	0	22.76	22.87	22.87	21.82	21.79	21.62
	256QAM	1	0	20.84	20.91	21.01	19.70	19.90	19.76
		1	7	21.05	20.76	20.83	19.87	**19.94**	19.59
		1	14	21.02	20.82	20.81	19.44	19.89	19.46
		8	0	20.69	20.99	20.69	19.71	19.66	19.40
		8	4	21.12	20.82	20.81	19.75	19.65	19.67
		8	7	20.94	**21.17**	20.84	19.75	19.63	19.73
		15	0	20.69	20.96	20.66	19.83	19.67	19.74

OUTPUT POWER FOR LTE BAND 5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26815	26915	27015	26815	26915	27015
				826.5	836.5	846.5	826.5	836.5	846.5
5.0	QPSK	1	0	**25.70**	20.84	25.32	**24.70**	24.49	24.29
		1	12	25.69	25.52	25.56	24.58	24.68	24.52
		1	24	25.34	25.62	25.59	24.58	24.39	24.40
		12	0	24.84	25.27	24.72	23.51	23.25	23.41
		12	6	25.06	24.87	24.69	23.44	23.48	23.44
		12	11	24.95	24.67	24.66	23.56	23.45	23.65
		25	0	24.76	24.59	24.73	23.66	23.54	23.50
	16QAM	1	0	25.19	24.73	25.06	23.90	24.03	23.92
		1	12	25.28	25.01	25.25	24.00	**24.31**	23.87
		1	24	**25.29**	25.25	25.13	23.91	23.77	23.61
		12	0	24.03	25.25	23.68	22.77	22.41	22.48
		12	6	23.82	23.63	23.92	22.51	22.56	22.64
		12	11	24.12	23.82	23.77	22.84	22.70	22.46
		25	0	23.91	23.67	23.57	22.55	22.38	22.38
	64QAM	1	0	24.14	23.95	24.25	22.89	22.81	**23.00**
		1	12	24.15	23.97	24.24	22.71	22.64	22.85
		1	24	24.29	**24.32**	24.13	22.71	22.87	22.88
		12	0	23.03	24.11	22.85	21.53	21.45	21.52
		12	6	22.71	22.85	23.01	21.87	21.56	21.71
		12	11	22.97	22.95	22.88	21.66	21.54	21.79
		25	0	22.99	22.95	22.56	21.64	21.70	21.57
	256QAM	1	0	21.07	**22.65**	20.75	19.63	19.77	19.63
		1	12	21.23	20.90	21.22	19.81	19.88	19.65
		1	24	21.22	21.01	20.90	19.48	19.66	19.48
		12	0	20.96	20.97	20.71	19.64	19.44	19.58
		12	6	20.80	20.76	20.54	19.49	19.61	19.57
		12	11	20.96	20.69	20.80	19.65	19.75	19.49
		25	0	20.95	20.94	20.96	**19.91**	19.38	19.38

OUTPUT POWER FOR LTE BAND 5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26840	26915	26990	26840	26915	26990
				829.0	836.5	844.0	829.0	836.5	844.0
10.0	QPSK	1	0	25.46	25.68	25.47	24.65	24.60	24.66
		1	24	**25.70**	25.33	25.64	24.48	**24.70**	24.29
		1	49	25.46	25.38	25.51	24.60	24.49	24.45
		25	0	24.68	24.88	24.88	23.54	23.55	23.43
		25	12	24.98	25.04	24.88	23.73	23.63	23.63
		25	24	24.94	24.96	24.78	23.75	23.65	23.56
		50	0	25.03	24.78	25.06	23.69	23.53	23.51
	16QAM	1	0	25.44	25.34	25.38	23.96	**24.41**	24.01
		1	24	25.41	25.18	**25.46**	24.04	24.08	24.10
		1	49	25.29	25.16	25.26	23.99	23.87	23.77
		25	0	23.98	24.05	23.87	22.90	22.73	22.81
		25	12	23.89	24.11	23.99	23.02	22.46	22.82
		25	24	24.24	24.08	24.08	22.92	22.66	22.64
		50	0	24.17	23.96	23.83	22.85	22.69	22.63
	64QAM	1	0	**24.46**	24.31	24.42	22.96	23.00	22.87
		1	24	24.21	24.24	24.04	**23.11**	22.87	22.86
		1	49	24.04	24.23	24.07	22.76	22.81	22.90
		25	0	22.96	23.06	22.90	21.84	21.67	21.60
		25	12	23.21	22.77	22.93	21.75	21.69	21.53
		25	24	22.91	23.05	23.01	21.83	21.55	21.50
		50	0	23.19	22.70	22.65	21.70	21.64	21.87
	256QAM	1	0	20.97	20.99	21.06	19.98	19.96	19.64
		1	24	20.80	**21.38**	20.86	**20.03**	19.94	19.65
		1	49	21.00	20.93	21.07	19.95	19.86	19.66
		25	0	20.92	21.12	20.97	19.63	19.52	19.61
		25	12	21.05	20.74	21.07	19.75	19.78	19.66
		25	24	21.17	20.94	21.08	19.59	19.60	19.82
		50	0	21.05	20.80	20.75	19.65	19.83	19.70

5G NR N5

Test Engineer ID:	27342	Test Date:	6/10/2022

OUTPUT POWER FOR 5G NR n5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				165300	167300	169300	165300	167300	169300
				826.5	836.5	846.5	826.5	836.5	846.5
5.0	BPSK	1	0	24.19	24.18	24.14	23.04	23.14	23.00
		1	1	25.50	25.61	25.35	**24.70**	24.54	24.55
		1	23	25.53	25.53	25.42	24.44	24.28	24.17
		1	24	24.07	24.10	23.95	22.72	23.16	23.02
		12	6	**25.70**	25.31	25.53	24.62	24.58	24.25
		25	0	25.26	25.09	25.29	24.09	24.17	24.10
	QPSK	1	0	24.25	24.02	24.01	22.83	22.98	23.01
		1	1	25.50	25.39	25.62	24.34	24.44	24.56
		1	23	25.55	**25.65**	25.64	24.33	24.42	24.32
		1	24	24.06	24.00	23.73	22.88	22.87	23.00
		12	6	25.47	25.49	25.62	24.28	**24.67**	24.35
		25	0	24.09	23.78	24.00	23.92	23.79	23.71
	16QAM	1	0	24.07	23.94	24.07	22.85	23.06	22.81
		1	1	24.93	25.13	25.02	23.78	23.94	24.11
		1	23	25.12	**25.23**	25.03	**24.29**	24.01	23.76
		1	24	24.10	24.10	24.03	23.02	22.85	22.83
		12	6	24.96	24.85	24.78	23.76	23.77	23.69
		25	0	23.76	24.10	23.95	22.48	22.93	22.58
	64QAM	1	0	23.39	23.35	23.61	22.35	22.32	22.47
		1	1	23.37	23.38	23.29	**22.49**	22.24	22.32
		1	23	23.69	**23.72**	23.34	22.36	22.22	22.41
		1	24	23.61	23.55	23.65	22.48	22.35	22.24
		12	6	23.27	23.51	23.20	22.12	22.36	22.11
		25	0	23.11	23.11	23.39	22.13	22.12	22.12
	256QAM	1	0	21.14	21.45	21.15	**20.40**	20.15	20.21
		1	1	21.36	21.44	21.06	20.12	20.28	20.26
		1	23	21.55	21.17	21.37	20.26	20.35	20.01
		1	24	21.19	**21.56**	21.11	20.23	20.19	20.30
		12	6	21.44	21.38	21.50	20.31	20.14	20.11
		25	0	21.32	21.14	21.38	20.15	20.21	20.20

OUTPUT POWER FOR 5G NR n5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				165800	167300	168800	165800	167300	168800
				829.0	836.5	844.0	829.0	836.5	844.0
10.0	BPSK	1	0	25.23	25.15	25.48	24.20	24.65	24.41
		1	1	25.57	25.38	25.59	24.38	24.52	24.54
		1	50	25.56	25.18	**25.70**	24.39	24.64	24.62
		1	51	25.19	25.21	25.46	24.36	24.38	24.41
		25	12	25.43	25.66	25.42	24.54	24.53	**24.70**
		50	0	25.45	25.20	25.40	24.60	24.47	24.66
	QPSK	1	0	24.78	25.12	24.93	23.71	23.70	23.76
		1	1	25.37	25.59	25.33	24.60	24.54	24.46
		1	50	25.30	**25.67**	25.59	24.14	24.43	24.51
		1	51	24.74	24.76	24.77	23.68	23.39	23.60
		25	12	25.55	25.51	25.62	24.31	24.39	**24.62**
		50	0	24.78	25.00	24.87	23.45	23.75	23.78
	16QAM	1	0	24.00	24.06	24.14	22.98	22.73	22.81
		1	1	25.05	25.03	25.05	23.64	23.78	23.99
		1	50	24.74	24.88	25.05	**24.02**	23.62	23.95
		1	51	24.03	24.05	23.99	22.91	22.77	23.04
		25	12	24.78	24.89	**25.08**	23.76	23.94	23.37
		50	0	23.84	23.91	24.03	22.81	22.74	22.70
	64QAM	1	0	23.33	23.46	23.53	21.99	22.60	22.17
		1	1	**23.61**	23.31	23.50	22.27	22.12	22.37
		1	50	23.47	23.33	23.53	21.81	22.52	22.29
		1	51	23.32	23.42	23.45	22.49	**22.61**	22.34
		25	12	23.18	23.39	23.18	22.33	22.17	21.73
		50	0	23.34	23.34	23.17	22.09	21.94	22.19
	256QAM	1	0	21.22	21.33	21.04	20.25	19.77	20.02
		1	1	21.20	21.45	21.33	20.17	20.18	20.19
		1	50	20.99	21.26	21.36	20.11	20.19	20.16
		1	51	21.30	21.29	21.50	20.02	20.05	20.31
		25	12	21.32	21.12	20.99	19.80	20.30	**20.51**
		50	0	**21.53**	21.43	21.36	20.19	20.16	20.28

OUTPUT POWER FOR 5G NR n5 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				166300	167300	168300	166300	167300	168300
				831.5	836.5	841.5	831.5	836.5	841.5
15.0	BPSK	1	0	25.45	25.47	25.51	24.52	24.50	24.43
		1	1	25.59	**25.70**	**25.70**	**24.70**	**24.70**	24.66
		1	77	25.39	25.44	25.50	24.50	24.42	24.47
		1	78	25.21	25.20	25.27	24.27	24.27	24.28
		36	18	25.44	25.50	25.56	24.57	24.54	24.50
		75	0	25.30	25.32	25.42	24.43	24.34	24.32
	QPSK	1	0	24.97	24.96	25.08	24.04	23.96	24.00
		1	1	**25.70**	**25.70**	**25.70**	24.68	24.67	**24.70**
		1	77	25.43	25.41	25.53	24.49	24.47	24.50
		1	78	24.69	24.68	24.59	23.80	23.80	23.80
		36	18	25.51	25.54	25.63	24.60	24.57	24.56
		75	0	24.83	24.82	24.94	23.85	23.86	23.88
	16QAM	1	0	24.14	24.14	24.33	23.16	23.18	23.17
		1	1	25.16	25.15	**25.24**	**24.24**	24.18	24.15
		1	77	24.87	24.96	24.91	24.01	24.01	23.93
		1	78	23.97	23.91	23.92	22.96	23.01	22.93
		36	18	24.80	24.77	24.89	23.84	23.82	23.77
		75	0	23.82	23.84	23.92	22.85	23.00	22.88
	64QAM	1	0	23.57	23.59	**23.75**	22.61	**22.74**	22.60
		1	1	23.60	23.59	**23.75**	22.61	22.73	22.60
		1	77	23.33	23.33	23.50	22.43	22.47	22.53
		1	78	23.30	23.32	23.44	22.40	22.42	22.51
		36	18	23.35	23.24	23.30	22.30	22.35	22.31
		75	0	23.33	23.30	23.35	22.31	22.39	22.27
	256QAM	1	0	21.51	21.47	21.48	20.44	20.42	20.47
		1	1	**21.53**	21.52	21.52	20.43	20.48	20.41
		1	77	21.20	21.14	21.27	20.12	20.23	20.21
		1	78	21.11	21.14	21.26	20.14	20.31	20.23
		36	18	21.36	21.35	21.43	20.36	**20.52**	20.34
		75	0	21.33	21.30	21.39	20.34	20.49	20.27

OUTPUT POWER FOR 5G NR n5 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				166800	167300	167800	166800	167300	167800
				834.0	836.5	839.0	834.0	836.5	839.0
20.0	BPSK	1	0	25.49	25.44	25.46	25.09	25.06	25.18
		1	1	**25.66**	**25.66**	**25.66**	25.32	25.28	**25.40**
		1	104	25.37	25.36	25.31	25.06	25.02	25.13
		1	105	25.14	25.20	25.14	24.91	24.86	24.95
		50	25	25.52	25.54	25.49	25.28	25.20	25.29
		100	0	25.36	25.35	25.28	25.06	25.02	25.11
	QPSK	1	0	24.99	24.96	24.94	24.66	24.62	24.74
		1	1	**25.70**	**25.70**	**25.70**	**25.42**	25.33	**25.42**
		1	104	25.39	25.41	25.32	25.17	25.09	25.18
		1	105	24.67	24.74	24.52	24.51	24.42	24.50
		50	25	25.55	25.55	25.48	25.29	25.25	25.33
		100	0	24.85	24.84	24.83	24.53	24.52	24.60
	16QAM	1	0	24.19	24.35	24.19	23.94	23.83	23.92
		1	1	**25.27**	25.22	25.09	24.95	**24.97**	24.92
		1	104	24.89	24.85	24.87	24.64	24.56	24.66
		1	105	23.78	23.89	23.86	23.63	23.51	23.64
		50	25	24.82	24.86	24.77	24.58	24.46	24.58
		100	0	23.87	23.88	23.77	23.56	23.52	23.56
	64QAM	1	0	**23.70**	23.55	23.51	23.32	23.35	23.33
		1	1	23.68	23.69	23.66	23.27	**23.37**	**23.37**
		1	104	23.42	23.31	23.29	23.02	23.07	23.10
		1	105	23.28	23.36	23.33	22.97	23.01	23.11
		50	25	23.30	23.35	23.27	23.05	22.97	23.03
		100	0	23.30	23.38	23.27	22.99	22.95	23.04
	256QAM	1	0	21.48	21.44	21.41	21.13	21.06	21.10
		1	1	21.42	**21.52**	21.48	21.13	**21.16**	21.09
		1	104	21.29	21.29	21.17	21.01	20.90	20.91
		1	105	21.28	21.23	21.20	20.96	20.95	20.90
		50	25	21.31	21.35	21.32	21.01	21.00	21.05
		100	0	21.27	21.32	21.30	20.96	20.96	21.01

8.2. LTE BAND 7 AND 5G NR n7

LTE BAND 7

Test Engineer ID:	39004	Test Date:	1/28/2022

OUTPUT POWER FOR LTE BAND 7 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20775	21100	21425	20775	21100	21425	20775	21100	21425	20775	21100	21425
				2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5
5.0	QPSK	1	0	25.03	25.26	25.24	23.06	22.94	22.93	24.73	24.68	24.57	22.92	22.97	23.08
		1	12	25.21	25.37	25.37	**23.20**	23.06	23.09	24.92	24.79	24.68	23.05	23.11	**23.20**
		1	24	**25.70**	25.26	25.31	23.11	22.97	22.98	**25.00**	24.67	24.65	23.14	23.01	23.14
		12	0	24.94	24.56	24.58	22.06	21.96	21.92	23.78	23.68	23.59	21.94	22.02	22.12
		12	6	24.99	24.65	24.68	22.14	22.04	22.01	23.87	23.77	23.65	22.04	22.09	22.18
		12	11	25.02	24.66	24.71	22.15	22.06	22.05	23.90	23.73	23.69	22.11	22.12	22.21
		25	0	24.97	24.64	24.64	22.13	22.01	21.99	23.86	23.70	23.64	22.05	22.06	22.15
	16QAM	1	0	25.29	25.01	25.00	22.37	22.38	22.30	24.05	24.12	24.00	22.24	22.42	22.50
		1	12	**25.44**	25.10	25.10	**22.55**	22.53	22.44	24.34	24.26	24.07	22.46	22.56	**22.59**
		1	24	25.39	25.00	25.02	22.47	22.42	22.38	**24.35**	24.08	24.03	22.48	22.47	22.52
		12	0	24.00	23.66	23.59	21.09	21.01	20.84	22.76	22.81	22.69	21.06	21.10	21.09
		12	6	24.07	23.75	23.68	21.14	21.08	20.91	22.86	22.87	22.75	21.18	21.18	21.17
		12	11	24.10	23.77	23.70	21.18	21.08	20.93	22.89	22.86	22.80	21.24	21.20	21.20
		25	0	24.00	23.62	23.68	21.14	21.04	21.04	22.83	22.72	22.63	21.11	21.07	21.18
	64QAM	1	0	24.09	23.78	23.84	21.24	21.31	21.28	23.83	23.75	23.62	21.32	21.25	21.54
		1	12	**24.20**	23.80	23.90	21.33	21.30	**21.35**	23.89	23.73	23.62	21.48	21.21	21.55
		1	24	24.17	23.71	23.91	21.13	21.28	21.28	**24.10**	23.75	23.55	**21.56**	21.19	21.51
		12	0	22.88	22.44	22.64	20.14	21.29	21.34	22.66	23.71	23.58	20.08	21.25	21.49
		12	6	22.97	22.61	22.72	20.22	21.29	21.32	22.70	23.74	23.62	20.21	21.22	21.53
		12	11	22.98	22.65	22.76	20.25	21.32	21.31	22.76	23.71	23.62	20.26	21.23	21.52
		25	0	22.89	22.52	22.62	20.09	21.31	21.34	22.65	23.76	23.59	20.29	21.21	21.48
	256QAM	1	0	20.95	20.53	20.62	18.15	18.32	18.12	20.61	20.78	20.45	18.15	18.15	18.34
		1	12	**21.08**	20.63	20.76	18.22	**18.42**	18.21	20.72	20.78	20.52	18.37	18.23	**18.42**
		1	24	20.94	20.53	20.61	18.21	18.31	18.11	**20.87**	20.72	20.38	18.41	18.19	18.31
		12	0	20.84	20.38	20.56	18.03	18.08	18.04	20.57	20.52	20.32	18.19	18.01	18.23
		12	6	20.90	20.40	20.61	18.10	18.18	18.13	20.63	20.59	20.39	18.31	18.11	18.32
		12	11	20.92	20.38	20.63	18.13	18.20	18.14	20.67	20.63	20.42	18.38	18.17	18.33
		25	0	20.87	20.40	20.60	18.08	18.14	18.08	20.64	20.56	20.37	18.27	18.08	18.29

OUTPUT POWER FOR LTE BAND 7 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20800	21100	21400	20800	21100	21400	20800	21100	21400	20800	21100	21400
				2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0
10.0	QPSK	1	0	25.67	25.34	25.44	23.18	23.09	22.99	24.66	24.70	24.55	22.93	23.05	23.07
		1	24	**25.70**	25.34	25.50	23.19	23.08	23.02	24.95	24.69	24.59	23.13	23.06	23.14
		1	49	25.68	25.35	25.53	**23.20**	23.09	23.06	**25.00**	24.66	24.62	**23.20**	23.08	23.14
		25	0	25.07	24.70	24.84	22.22	22.10	22.05	23.83	23.72	23.59	22.07	22.10	22.14
		25	12	24.99	24.71	24.88	22.16	22.13	22.09	23.87	23.71	23.63	22.08	22.12	22.18
		25	24	24.97	24.63	24.79	22.14	22.10	22.09	23.91	23.59	23.56	22.10	22.11	22.09
		50	0	24.98	24.69	24.86	22.14	22.10	22.07	23.82	23.68	23.61	22.06	22.09	22.15
	16QAM	1	0	25.37	24.98	25.12	22.50	**22.52**	22.33	24.03	24.04	23.98	22.29	22.39	22.53
		1	24	25.29	24.92	25.11	22.45	22.44	22.35	24.33	23.92	23.97	22.44	22.30	22.48
		1	49	**25.40**	25.06	25.22	**22.52**	22.47	22.42	**24.35**	23.98	24.10	22.51	22.39	**22.61**
		25	0	24.11	23.70	23.88	21.25	21.10	21.10	22.83	22.73	22.61	21.12	21.14	21.11
		25	12	24.06	23.72	23.92	21.20	21.12	21.13	22.88	22.73	22.63	21.13	21.14	21.15
		25	24	24.00	23.64	23.83	21.17	21.09	21.12	22.96	22.61	22.55	21.14	21.13	21.04
		50	0	24.00	23.72	23.90	21.14	21.09	21.06	22.86	22.71	22.62	21.07	21.09	21.16
	64QAM	1	0	24.25	23.90	24.02	**21.42**	21.34	21.37	23.68	23.67	23.59	21.39	21.26	21.50
		1	24	24.27	23.90	24.04	21.39	21.35	21.38	23.88	23.69	23.55	21.57	21.24	21.53
		1	49	**24.28**	23.93	24.11	21.40	21.33	21.36	**23.92**	23.75	23.62	**21.59**	21.23	21.56
		25	0	23.05	22.69	22.83	20.15	21.31	21.41	22.64	23.74	23.57	20.31	21.24	**21.59**
		25	12	23.00	22.71	22.89	20.11	21.32	21.40	22.67	23.78	23.61	20.33	21.27	21.58
		25	24	22.97	22.62	22.78	20.08	21.28	21.40	22.70	23.70	23.60	20.33	21.29	21.56
		50	0	22.96	22.68	22.85	20.08	21.33	21.39	22.62	23.75	23.62	20.29	21.21	21.55
	256QAM	1	0	21.13	20.72	20.89	18.23	18.29	18.19	20.63	20.70	20.50	18.24	18.15	18.43
		1	24	**21.22**	20.74	20.91	18.26	18.34	18.18	**20.89**	20.72	20.54	**18.49**	18.24	18.47
		1	49	21.06	20.65	20.86	18.18	18.26	18.09	20.81	20.66	20.38	18.44	18.25	18.33
		25	0	20.99	20.63	20.77	18.09	18.14	18.15	20.56	20.54	20.36	18.26	18.06	18.32
		25	12	20.97	20.67	20.83	18.07	18.20	18.18	20.62	20.56	20.39	18.28	18.12	18.32
		25	24	20.98	20.59	20.77	18.07	18.21	18.19	20.71	20.49	20.31	18.34	18.16	18.23
		50	0	20.94	20.66	20.83	18.66	**18.80**	18.76	20.60	20.54	20.36	18.25	18.09	18.31

OUTPUT POWER FOR LTE BAND 7 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20825	21100	21375	20825	21100	21375	20825	21100	21375	20825	21100	21375
				2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5
15.0	QPSK	1	0	25.60	25.33	25.33	23.12	23.02	22.96	24.66	24.73	24.44	22.87	23.00	22.99
		1	37	**25.70**	25.37	25.47	**23.20**	23.03	23.00	**25.00**	24.69	24.57	23.12	23.01	23.07
		1	74	25.62	25.31	25.50	23.12	22.96	23.00	24.92	24.59	24.53	**23.20**	22.95	23.02
		36	0	25.08	24.72	24.81	22.20	22.08	22.03	23.91	23.76	23.61	22.07	22.06	22.08
		36	16	25.09	24.72	24.87	22.14	22.10	22.05	23.94	23.73	23.64	22.14	22.07	22.12
		36	35	24.98	24.63	24.81	22.11	21.99	21.98	23.96	23.62	23.56	22.10	22.06	22.13
		75	0	24.98	24.72	24.85	22.15	22.07	22.05	23.91	23.72	23.60	22.10	22.05	22.10
	16QAM	1	0	25.31	24.96	24.93	22.43	22.38	22.28	24.01	24.03	23.84	22.21	22.22	22.29
		1	37	**25.40**	24.95	25.14	**22.54**	22.46	22.40	**24.38**	24.06	23.82	**22.45**	22.34	22.37
		1	74	25.24	24.86	25.09	22.36	22.31	22.35	24.16	23.86	23.81	22.42	22.24	22.34
		36	0	24.11	23.77	23.82	21.24	21.11	21.08	22.92	22.78	22.64	21.10	21.08	21.10
		36	16	24.12	23.76	23.86	21.18	21.11	21.10	22.98	22.76	22.65	21.18	21.08	21.15
		36	35	24.00	23.63	23.78	21.13	21.03	21.00	22.98	22.64	22.57	21.12	21.07	21.15
		75	0	24.02	23.73	23.84	21.15	21.11	21.07	22.94	22.74	22.63	21.10	21.08	21.14
	64QAM	1	0	24.32	23.96	23.98	21.34	21.23	21.32	23.70	23.73	23.71	21.28	21.13	21.28
		1	37	**24.34**	23.99	24.08	**21.39**	21.19	21.36	**24.04**	23.81	23.67	**21.47**	21.16	21.29
		1	74	24.23	24.00	24.10	21.37	21.18	21.33	23.95	23.75	23.68	21.42	21.10	21.33
		36	0	23.06	22.73	22.78	20.11	21.27	21.34	22.71	23.75	23.68	20.15	21.13	21.26
		36	16	23.07	22.73	22.83	20.14	21.23	21.32	22.83	23.67	23.67	20.23	21.21	21.26
		36	35	22.95	22.61	22.74	20.04	21.26	21.37	22.75	23.69	23.80	20.18	21.18	21.32
		75	0	22.98	22.71	22.82	20.05	21.28	21.37	22.71	23.75	23.72	20.14	21.14	21.25
	256QAM	1	0	**21.09**	20.72	20.75	18.11	18.25	18.27	20.66	20.63	20.66	18.05	18.06	18.27
		1	37	21.05	20.68	20.80	18.12	18.26	18.31	**20.86**	20.68	20.60	18.25	18.04	**18.31**
		1	74	21.00	20.65	20.82	18.10	18.29	18.22	20.83	20.65	20.54	18.17	18.18	18.19
		36	0	21.01	20.69	20.73	18.11	18.14	18.16	20.67	20.60	20.51	18.15	17.92	18.14
		36	16	21.02	20.67	20.78	18.12	18.18	18.14	20.77	20.63	20.51	18.23	17.95	18.16
		36	35	20.93	20.61	20.76	18.06	18.10	18.09	20.74	20.58	20.42	18.17	18.01	18.16
		75	0	20.93	20.70	20.79	18.50	**18.65**	18.60	20.66	20.63	20.54	18.12	17.98	18.16

OUTPUT POWER FOR LTE BAND 7 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20850	21100	21350	20850	21100	21350	20850	21100	21350	20850	21100	21350
				2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0
20.0	QPSK	1	0	25.68	25.45	25.18	23.13	23.06	23.01	24.67	24.79	24.94	22.92	23.18	23.09
		1	49	**25.70**	25.38	25.11	**23.20**	23.06	23.03	**25.00**	24.69	24.93	**23.20**	23.08	23.14
		1	99	25.67	25.42	25.27	23.15	23.04	23.03	24.88	24.66	24.95	23.17	23.07	23.13
		50	0	25.15	24.83	24.85	22.26	22.16	22.10	23.96	23.82	24.01	22.17	22.15	22.18
		50	24	25.09	24.81	24.52	22.27	22.17	22.12	24.06	23.77	24.05	22.27	22.17	22.23
		50	49	25.03	24.69	24.49	22.16	22.07	22.04	23.97	23.62	23.96	22.18	22.06	22.12
		100	0	25.14	24.79	24.51	22.18	22.14	22.11	23.94	23.75	24.03	22.16	22.16	22.21
	16QAM	1	0	25.36	25.01	24.54	22.46	22.47	22.38	24.09	24.06	24.33	22.28	22.35	22.42
		1	49	**25.46**	25.10	24.79	22.63	22.66	**22.79**	**24.68**	24.18	24.42	**22.66**	22.54	22.64
		1	99	25.26	24.91	24.80	22.43	22.43	22.45	24.20	23.88	24.35	22.47	22.34	22.54
		50	0	24.18	23.85	23.73	21.27	21.18	21.14	22.99	22.82	23.02	21.16	21.15	21.20
		50	24	24.18	23.79	23.49	21.25	21.19	21.16	23.08	22.78	23.05	21.26	21.17	21.22
		50	49	24.03	23.67	23.40	21.16	21.06	21.04	22.97	22.66	22.97	21.20	21.07	21.14
		100	0	24.15	23.72	23.43	21.17	21.16	21.12	22.93	22.75	23.06	21.16	21.17	21.21
	64QAM	1	0	24.19	23.88	24.01	21.23	21.29	21.27	23.77	23.71	24.00	21.27	21.17	21.22
		1	49	**24.31**	23.89	24.22	**21.42**	21.29	21.32	**24.04**	23.70	24.02	**21.72**	21.13	21.24
		1	99	24.22	23.95	24.22	21.30	21.25	21.38	23.91	23.69	24.00	21.37	21.12	21.28
		50	0	23.15	22.84	22.49	20.15	21.23	21.31	22.78	23.70	24.03	20.19	21.16	21.27
		50	24	23.14	22.86	22.72	20.17	21.29	21.34	22.80	23.74	24.03	20.27	21.17	21.24
		50	49	23.01	22.72	22.28	20.06	21.23	21.35	22.73	23.72	24.03	20.16	21.11	21.31
		100	0	23.13	22.80	22.35	20.18	21.30	21.38	22.71	23.72	24.02	20.18	21.16	21.22
	256QAM	1	0	**21.34**	20.97	20.67	18.34	18.32	18.26	20.74	20.82	20.63	18.28	18.04	18.34
		1	49	21.19	20.86	20.95	18.27	18.27	18.22	**20.92**	20.71	20.90	18.34	17.99	**18.37**
		1	99	21.18	20.90	21.07	18.29	**18.37**	18.23	20.86	20.70	20.84	18.34	18.14	18.30
		50	0	21.07	20.71	20.80	18.12	18.17	18.19	20.70	20.56	20.85	18.16	17.92	18.16
		50	24	21.09	20.30	20.89	18.17	18.23	18.21	20.72	20.59	20.86	18.26	17.99	18.19
		50	49	20.99	20.25	20.85	18.10	18.16	18.14	20.73	20.54	20.76	18.17	17.98	18.12
		100	0	21.08	20.53	20.84	18.16	18.20	18.22	20.69	20.58	20.84	18.12	17.99	18.17

5G NR n7

Test Engineer ID:	52275	Test Date:	2/1/2022

OUTPUT POWER FOR 5G NR n7 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				500500	507000	513500	500500	507000	513500	500500	507000	513500	500500	507000	513500
				2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5
5.0	BPSK	1	0	25.08	25.01	25.05	22.43	22.57	22.52	24.47	24.48	24.45	22.17	22.56	22.58
		1	1	25.65	25.47	25.54	23.15	23.03	23.13	24.64	24.71	24.68	22.70	23.05	23.09
		1	23	**25.70**	25.56	25.68	23.11	**23.16**	23.07	**24.86**	24.64	24.75	22.98	23.02	**23.17**
		1	24	25.12	25.05	25.09	22.60	22.63	22.54	24.64	24.43	24.53	22.42	22.52	22.64
		12	6	25.53	25.53	25.57	23.07	23.12	23.12	24.75	24.67	24.70	22.76	23.00	23.13
		25	0	24.97	24.93	25.01	22.46	22.51	22.49	24.45	24.48	24.65	22.22	22.44	22.56
	QPSK	1	0	24.59	24.52	24.51	22.05	22.05	22.05	23.98	24.01	24.21	21.36	22.06	22.12
		1	1	25.65	25.47	25.44	22.95	23.06	23.09	24.69	24.72	24.88	22.30	23.06	23.13
		1	23	**25.66**	25.63	25.60	23.13	**23.20**	23.18	24.84	23.79	**25.00**	22.48	23.10	**23.20**
		1	24	24.58	24.58	24.60	22.07	22.17	22.16	24.20	24.00	24.26	21.53	22.12	22.18
		12	6	25.55	25.54	25.22	22.86	23.11	23.11	24.76	24.64	24.91	22.41	23.01	23.15
		25	0	24.58	24.52	24.17	21.69	22.06	22.08	24.04	23.91	24.19	21.33	22.01	22.13
	16QAM	1	0	23.43	23.75	23.44	20.64	21.32	21.31	23.19	23.24	23.39	20.26	21.29	21.34
		1	1	24.41	24.71	24.39	21.62	22.29	22.33	24.16	24.28	24.41	21.29	22.25	22.32
		1	23	24.47	**24.79**	24.61	21.75	**22.43**	22.36	24.42	24.26	**24.50**	21.40	22.26	**22.46**
		1	24	23.45	23.76	23.54	20.76	21.39	21.34	23.35	23.13	23.42	20.41	21.26	21.37
		12	6	24.47	24.34	24.27	21.95	21.95	22.01	24.12	24.02	24.24	21.49	21.93	22.16
		25	0	23.47	23.54	23.36	20.94	21.01	21.07	23.00	22.96	23.14	20.41	20.97	21.10
	64QAM	1	0	23.19	23.11	23.00	20.63	20.58	20.73	22.54	22.64	22.80	20.17	20.66	20.71
		1	1	**23.30**	23.09	23.06	20.69	20.64	20.73	22.44	22.67	22.78	20.27	20.67	**20.75**
		1	23	**23.30**	23.19	23.21	20.59	**20.76**	20.72	22.63	22.71	22.80	20.37	20.66	**20.75**
		1	24	23.23	23.21	23.21	20.71	20.61	**20.76**	22.58	22.67	**22.81**	20.33	20.63	20.71
		12	6	22.93	22.85	22.97	20.39	20.35	20.46	22.30	22.39	22.60	20.16	20.49	20.53
		25	0	23.03	22.90	22.84	20.41	20.45	20.56	22.35	22.52	22.66	20.04	20.56	20.62
	256QAM	1	0	21.03	20.82	20.98	18.38	18.54	18.55	20.24	20.43	20.53	18.11	18.54	18.52
		1	1	20.98	20.92	20.86	18.58	18.48	18.54	20.27	20.48	20.57	18.13	18.43	18.43
		1	23	21.06	21.00	20.96	18.61	18.59	18.56	20.36	20.55	**20.72**	18.48	18.57	18.60
		1	24	**21.10**	20.84	20.96	18.61	**18.63**	18.61	20.39	20.39	20.63	18.37	18.51	18.48
		12	6	20.96	**21.10**	20.98	18.49	18.60	18.55	20.33	20.51	20.60	18.26	18.56	**18.66**
		25	0	21.03	21.01	20.97	18.53	18.59	18.55	20.37	20.49	20.67	18.23	18.51	18.55

OUTPUT POWER FOR 5G NR n7 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				501000	507000	513000	501000	507000	513000	501000	507000	513000	501000	507000	513000
				2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0
10.0	BPSK	1	0	25.01	24.89	25.05	22.43	22.56	22.52	24.44	24.50	24.42	22.14	22.47	22.51
		1	1	25.53	25.43	25.59	22.98	23.09	23.12	24.63	24.73	24.68	22.61	22.96	23.09
		1	50	25.57	25.55	**25.70**	23.06	23.16	**23.20**	**25.00**	24.68	24.78	22.96	23.00	**23.17**
		1	51	25.09	25.12	25.14	22.54	22.70	22.56	24.76	24.48	24.57	22.47	22.57	22.67
		25	12	25.52	25.51	25.55	23.00	23.04	23.01	24.76	24.62	24.69	22.79	22.94	23.08
		50	0	25.06	24.98	25.05	22.49	22.55	22.57	24.59	24.44	24.53	22.32	22.44	22.61
	QPSK	1	0	24.61	24.50	24.41	21.41	21.96	21.52	23.97	24.04	24.03	21.02	21.99	21.72
		1	1	25.59	25.48	25.31	22.38	22.91	22.55	24.68	24.75	24.76	21.97	22.96	22.74
		1	50	**25.66**	25.58	25.00	23.06	**23.18**	23.14	**25.00**	24.66	24.78	22.69	23.03	**23.20**
		1	51	24.64	24.58	23.97	22.00	22.14	22.15	24.31	23.97	24.07	21.69	22.10	22.20
		25	12	25.61	25.45	25.17	22.93	23.12	23.10	24.89	24.61	24.72	22.46	22.99	23.12
		50	0	24.59	24.55	24.15	21.71	22.10	22.04	24.17	23.91	24.02	21.33	21.96	22.14
	16QAM	1	0	23.72	23.71	23.74	20.82	21.23	21.05	23.25	23.19	23.16	20.35	21.30	21.25
		1	1	24.81	24.72	24.81	21.88	22.22	22.05	24.25	24.22	24.24	21.36	22.17	22.31
		1	50	24.76	**24.85**	24.45	22.30	22.38	**22.47**	**24.56**	24.16	24.32	22.15	22.25	**22.42**
		1	51	23.72	23.87	23.37	21.26	21.36	21.23	23.54	23.13	23.27	21.17	21.20	21.37
		25	12	24.59	24.60	24.26	21.96	22.07	21.97	24.16	23.89	24.04	21.57	21.85	22.17
		50	0	23.55	23.56	23.40	21.03	21.02	21.04	23.12	23.01	22.99	20.48	20.91	21.07
	64QAM	1	0	23.06	23.07	23.16	20.33	20.70	20.60	22.57	22.60	22.56	19.99	20.56	20.65
		1	1	23.10	23.11	23.26	20.57	20.63	20.63	22.64	22.62	22.61	20.02	20.56	20.67
		1	50	23.16	23.19	23.19	20.68	20.70	20.83	**22.97**	22.55	22.59	20.66	20.56	**20.78**
		1	51	23.15	**23.29**	23.03	20.58	20.63	**20.84**	22.93	22.60	22.61	20.52	20.64	**20.78**
		25	12	22.90	22.94	22.90	20.44	20.50	20.53	22.63	22.49	22.48	20.11	20.41	20.51
		50	0	23.03	23.01	22.99	20.54	20.55	20.63	22.66	22.48	22.50	20.09	20.50	20.53
	256QAM	1	0	20.82	20.83	20.96	18.48	18.49	18.53	20.34	20.32	20.41	18.00	18.33	18.34
		1	1	20.89	21.01	21.01	18.45	18.42	18.47	20.38	20.52	20.41	18.00	18.34	18.39
		1	50	21.07	20.99	**21.10**	**18.58**	18.55	**18.58**	**20.82**	20.45	20.54	18.43	18.43	18.43
		1	51	20.92	20.88	21.00	18.56	18.57	18.50	20.45	20.43	20.48	18.38	18.46	18.42
		25	12	21.02	20.93	21.00	18.51	18.57	**18.58**	20.42	20.49	20.48	18.30	18.46	18.49
		50	0	21.01	20.90	21.03	18.49	**18.58**	18.54	20.44	20.53	20.42	18.33	18.44	**18.51**

OUTPUT POWER FOR 5G NR n7 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				501500	507000	512500	501500	507000	512500	501500	507000	512500	501500	507000	512500
				2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5
15.0	BPSK	1	0	24.96	25.05	25.07	22.50	22.51	22.63	24.41	24.66	24.60	22.03	22.41	22.52
		1	1	25.54	25.56	25.63	22.98	23.06	**23.18**	24.62	24.84	24.82	22.53	22.90	23.09
		1	77	25.52	**25.70**	25.62	23.09	23.10	23.13	**24.92**	24.80	24.89	22.98	23.00	**23.20**
		1	78	25.08	25.20	25.07	22.50	22.57	22.64	24.71	24.60	24.72	22.49	22.50	22.67
		36	18	25.50	25.51	25.48	22.95	23.12	23.07	24.83	24.73	24.80	22.76	22.82	23.09
		75	0	25.01	25.09	25.01	22.47	22.58	22.58	24.59	24.58	24.67	22.27	22.39	22.61
	QPSK	1	0	24.62	24.60	24.67	21.20	22.13	22.14	24.11	24.20	24.22	20.39	21.94	22.16
		1	1	25.60	25.57	25.50	22.10	23.05	**23.20**	24.79	24.95	24.91	21.41	22.89	23.04
		1	77	25.59	**25.66**	25.29	22.99	**23.20**	23.19	**25.00**	24.86	24.92	22.44	23.09	**23.13**
		1	78	24.54	24.67	24.29	21.96	22.18	22.16	24.23	24.15	24.21	21.42	22.15	22.14
		36	18	25.30	25.61	25.24	22.78	23.10	22.44	24.88	24.77	24.88	22.40	22.94	22.80
		75	0	24.47	24.62	24.48	21.96	22.01	21.97	24.13	24.10	24.17	21.52	21.96	22.08
	16QAM	1	0	23.67	23.83	23.80	20.81	21.35	21.29	23.26	23.43	23.39	20.23	21.18	21.39
		1	1	24.81	24.72	**24.90**	21.85	**22.42**	22.37	24.32	24.40	24.42	21.23	22.23	22.35
		1	77	24.66	24.82	24.48	22.29	22.37	22.41	24.44	24.35	**24.45**	22.21	22.31	**22.44**
		1	78	23.79	23.89	23.45	21.21	21.32	21.43	23.42	23.27	23.45	21.10	21.25	21.40
		36	18	24.50	24.69	24.38	22.00	22.14	21.54	24.17	24.00	24.08	21.58	21.96	21.86
		75	0	23.46	23.59	23.59	20.95	21.11	20.96	23.21	23.07	23.14	20.62	20.91	21.10
	64QAM	1	0	23.18	23.13	**23.26**	20.45	20.67	20.90	22.70	22.82	22.73	19.81	20.61	20.76
		1	1	23.16	23.05	23.21	20.46	20.75	**20.95**	22.65	22.84	22.77	19.89	20.73	20.73
		1	77	23.04	23.21	23.16	20.62	20.83	20.69	**22.96**	22.71	22.83	20.55	20.64	**20.82**
		1	78	23.22	23.12	22.95	20.63	20.89	20.83	**22.96**	22.72	22.76	20.62	20.57	20.72
		36	18	22.92	23.06	23.07	20.45	20.56	20.21	22.58	22.51	22.62	20.06	20.38	20.37
		75	0	22.96	23.10	23.06	20.43	20.64	20.48	22.70	22.60	22.64	20.23	20.37	20.53
	256QAM	1	0	20.95	20.94	21.06	18.42	18.36	18.49	20.36	20.55	20.54	17.90	18.37	18.45
		1	1	20.88	20.89	20.98	18.43	18.49	18.63	20.39	20.62	20.63	17.88	18.33	18.48
		1	77	20.78	**21.10**	20.98	18.41	**18.76**	18.56	**20.78**	20.48	20.56	18.45	**18.56**	18.42
		1	78	20.96	20.90	20.94	18.34	18.58	18.56	20.71	20.57	20.58	18.37	18.45	18.50
		36	18	20.94	20.92	20.95	18.45	18.54	18.60	20.67	20.59	20.57	18.28	18.34	18.47
		75	0	20.93	20.92	20.88	18.33	18.50	18.58	20.60	20.59	20.56	18.14	18.34	18.44

OUTPUT POWER FOR 5G NR n7 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				502000	507000	512000	502000	507000	512000	502000	507000	512000	502000	507000	512000
				2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0
20.0	BPSK	1	0	25.11	25.03	25.19	22.44	22.53	22.57	24.35	24.65	24.58	21.99	22.47	22.47
		1	1	25.56	25.58	25.66	23.00	23.00	23.12	24.59	24.79	24.86	22.51	23.01	23.05
		1	104	25.55	25.63	25.67	23.00	**23.20**	23.08	24.89	24.73	**24.94**	22.94	**23.17**	22.99
		1	105	25.04	25.14	25.16	22.51	22.62	22.62	24.64	24.56	24.70	22.41	22.64	22.57
		50	25	25.52	25.64	**25.68**	23.02	23.15	23.10	24.86	24.71	24.92	22.79	23.03	23.00
		100	0	25.00	25.16	25.18	22.28	22.49	22.52	24.63	24.49	24.68	21.72	22.51	22.56
	QPSK	1	0	24.60	24.58	24.71	20.33	21.99	22.14	23.98	24.10	24.17	19.59	21.97	22.05
		1	1	25.61	25.67	**25.70**	21.33	22.99	**23.20**	24.70	24.81	24.92	20.61	22.93	23.06
		1	104	25.63	25.68	25.16	22.21	23.15	23.18	24.91	24.73	**25.00**	21.97	**23.20**	23.16
		1	105	24.66	24.72	24.18	21.19	22.23	22.17	24.27	24.03	24.31	20.91	22.18	22.08
		50	25	25.32	25.66	25.63	23.01	23.07	22.40	24.86	24.69	24.89	23.03	23.03	22.65
		100	0	24.39	24.67	24.63	21.99	22.05	21.86	24.05	23.97	24.22	21.79	22.02	22.14
	16QAM	1	0	23.51	23.88	23.94	20.94	21.17	21.42	23.17	23.25	23.31	20.27	21.29	21.28
		1	1	24.51	24.75	24.93	21.80	22.18	22.31	24.22	24.31	24.36	21.32	22.11	22.26
		1	104	24.89	**24.96**	24.56	22.27	22.37	**22.49**	24.32	24.17	**24.45**	22.41	22.24	**22.51**
		1	105	23.74	23.78	23.54	21.24	21.26	21.36	23.38	23.26	23.48	21.29	21.27	21.37
		50	25	24.52	24.59	24.70	21.95	22.11	21.50	24.15	23.93	24.23	21.96	21.83	21.75
		100	0	23.51	23.58	23.74	20.99	21.09	21.03	23.17	22.94	23.25	20.97	20.95	21.12
	64QAM	1	0	23.16	23.18	23.22	20.53	20.75	20.82	22.61	22.86	22.84	20.22	20.55	**20.84**
		1	1	22.96	23.27	23.28	20.43	20.77	**20.91**	22.49	**22.92**	22.76	20.23	20.59	20.73
		1	104	23.00	**23.36**	22.94	20.67	20.78	20.74	22.79	22.74	22.85	20.68	20.46	20.78
		1	105	23.12	23.25	23.09	20.55	20.79	20.61	22.91	22.76	**22.92**	20.68	20.55	20.74
		50	25	23.04	23.17	23.23	20.45	20.61	20.28	22.75	22.58	22.65	20.44	20.42	20.36
		100	0	22.97	23.14	23.20	20.45	20.58	20.61	22.67	22.61	22.66	20.44	20.39	20.61
	256QAM	1	0	20.84	20.99	21.13	18.43	18.47	18.58	20.44	20.61	20.62	18.08	18.34	18.45
		1	1	21.07	21.08	21.15	18.40	18.47	18.53	20.42	**20.72**	20.63	18.02	18.29	18.45
		1	104	20.94	21.07	21.02	18.51	18.49	18.60	20.66	20.55	20.63	18.41	18.32	**18.55**
		1	105	20.95	**21.17**	21.13	18.48	18.54	18.56	20.57	20.60	20.67	18.41	18.36	18.47
		50	25	21.04	21.10	21.12	18.39	18.54	18.60	20.65	20.67	20.62	18.39	18.32	18.51
		100	0	21.06	21.06	21.12	18.42	18.51	**18.61**	20.60	20.67	20.59	18.40	18.32	**18.55**

OUTPUT POWER FOR 5G NR n7 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				502500	507000	511500	502500	507000	511500	502500	507000	511500	502500	507000	511500
				2512.5	2535.0	2557.5	2512.5	2535.0	2557.5	2512.5	2535.0	2557.5	2512.5	2535.0	2557.5
25.0	BPSK	1	0	25.01	24.96	25.11	22.83	22.78	22.88	24.44	24.72	24.69	22.18	22.61	22.57
		1	1	25.52	25.50	**25.70**	23.02	22.99	23.10	24.79	24.97	24.94	22.69	23.01	23.12
		1	131	25.61	25.63	25.55	22.98	23.11	**23.14**	**25.00**	24.91	24.98	23.05	23.13	**23.20**
		1	132	25.10	25.10	25.10	22.71	22.97	22.89	24.70	24.69	24.79	22.56	22.65	22.68
		64	32	25.52	25.57	25.60	23.00	22.95	**23.14**	24.95	24.89	24.95	23.05	23.03	23.10
		128	0	25.03	25.04	25.12	22.51	22.73	22.85	24.70	24.66	24.72	20.89	22.51	22.71
	QPSK	1	0	24.57	24.52	24.65	20.74	22.24	22.38	24.13	24.33	24.25	18.90	22.07	22.19
		1	1	25.56	25.54	25.59	21.75	23.05	23.09	24.72	**25.00**	24.91	20.01	23.03	23.17
		1	131	**25.66**	25.64	25.43	22.21	**23.20**	23.07	24.98	24.97	24.99	20.73	23.15	**23.22**
		1	132	24.54	24.60	24.34	21.12	22.35	22.45	24.33	24.25	24.29	19.63	22.20	22.23
		64	32	25.38	25.57	25.63	22.97	23.00	23.09	24.99	24.86	24.92	23.06	23.00	22.89
		128	0	24.53	24.61	24.59	22.27	22.26	22.39	24.23	24.12	24.23	21.92	22.00	22.19
	16QAM	1	0	23.70	23.78	23.89	21.60	21.51	21.63	23.20	23.45	23.43	21.01	21.22	21.45
		1	1	24.90	24.72	24.70	22.63	22.45	22.60	24.32	**24.52**	24.42	21.93	22.21	22.41
		1	131	24.76	**24.93**	24.75	22.52	22.67	**22.68**	24.45	24.45	24.48	22.23	22.38	**22.54**
		1	132	23.80	23.83	23.95	21.43	21.62	21.69	23.43	23.54	23.46	21.20	21.36	21.49
		64	32	24.48	24.54	24.67	22.25	22.24	22.37	24.23	24.16	24.22	22.03	22.00	22.08
		128	0	23.48	23.56	23.63	21.25	21.21	21.40	23.21	23.13	23.17	21.02	20.99	21.19
	64QAM	1	0	23.06	23.06	23.22	21.00	20.90	21.01	22.80	**23.13**	22.83	20.25	20.54	20.79
		1	1	23.07	22.86	23.28	20.92	20.94	21.10	22.73	23.10	22.83	20.32	20.68	20.62
		1	131	23.06	23.31	**23.39**	20.98	20.84	**21.24**	23.02	22.81	22.87	20.91	20.81	20.98
		1	132	23.08	23.34	23.29	20.83	20.90	20.92	22.97	22.93	22.94	20.60	20.78	**21.02**
		64	32	22.88	23.01	23.04	20.71	20.71	20.88	22.75	22.66	22.67	20.41	20.46	20.65
		128	0	22.88	23.00	23.01	20.72	20.71	20.86	22.69	22.63	22.66	20.49	20.50	20.64
	256QAM	1	0	20.84	20.90	21.08	18.81	18.79	18.89	20.50	**20.85**	20.60	18.10	18.46	18.57
		1	1	20.94	20.92	**21.11**	18.74	18.70	18.85	20.57	**20.85**	20.51	18.19	18.48	18.42
		1	131	20.95	21.01	21.06	18.71	18.82	18.93	20.70	20.64	20.66	18.52	18.40	**18.80**
		1	132	20.91	20.97	**21.11**	18.67	18.76	**18.99**	20.76	20.75	20.61	18.42	18.52	18.73
		64	32	20.85	20.95	20.95	18.65	18.63	18.84	20.81	20.56	20.64	18.44	18.39	18.64
		128	0	20.83	20.89	21.00	18.64	18.67	18.80	20.70	20.64	20.64	18.43	18.44	18.63

OUTPUT POWER FOR 5G NR n7 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				503000	507000	511000	503000	507000	511000	503000	507000	511000	503000	507000	511000
				2515.0	2535.0	2555.0	2515.0	2535.0	2555.0	2515.0	2535.0	2555.0	2515.0	2535.0	2555.0
30.0	BPSK	1	0	25.10	25.06	25.13	22.87	22.84	22.88	24.60	24.75	24.67	22.07	22.58	22.58
		1	1	25.60	25.61	**25.67**	23.10	23.06	**23.16**	24.66	**24.96**	24.84	22.65	23.13	**23.14**
		1	158	25.64	**25.67**	**25.67**	23.02	23.02	23.02	24.92	24.84	24.84	22.88	23.09	**23.14**
		1	159	25.13	25.19	25.11	22.87	22.90	22.87	24.67	24.62	24.67	22.64	22.61	22.66
		80	40	25.59	25.65	**25.67**	23.04	23.01	23.08	24.90	24.86	24.77	23.02	23.07	23.05
		160	0	25.19	25.16	25.22	22.78	22.86	22.85	24.75	24.71	24.60	22.54	22.60	22.62
	QPSK	1	0	23.51	24.56	24.66	21.45	22.26	22.38	23.91	24.29	24.21	21.29	22.04	22.00
		1	1	24.50	25.68	25.58	22.52	23.06	23.10	24.60	**25.00**	24.92	22.20	23.03	23.00
		1	158	24.72	**25.70**	25.31	22.25	23.17	**23.20**	24.90	24.82	24.93	22.58	**23.20**	23.17
		1	159	23.62	24.82	24.35	21.16	22.42	22.52	24.22	24.15	24.24	21.59	22.14	22.13
		80	40	25.64	25.65	25.67	23.03	22.98	23.05	24.92	24.87	24.80	23.03	23.05	23.05
		160	0	24.66	24.60	24.66	22.34	22.32	22.37	24.17	24.15	24.09	22.03	22.09	22.14
	16QAM	1	0	23.78	23.86	23.88	21.69	21.55	21.58	23.16	23.35	23.45	20.79	21.26	21.23
		1	1	24.94	**25.01**	24.94	22.63	22.58	22.66	24.08	24.39	24.39	21.78	22.27	22.33
		1	158	24.95	24.93	24.67	22.63	22.61	**22.68**	24.35	**24.52**	24.31	22.27	**22.37**	22.35
		1	159	23.92	23.93	23.53	21.55	21.56	21.56	23.42	23.26	23.32	21.33	21.29	21.43
		80	40	24.57	24.55	24.65	22.30	22.26	22.37	24.21	24.16	24.09	22.03	22.08	22.09
		160	0	23.62	23.62	23.66	21.32	21.32	21.33	23.15	23.10	23.07	21.00	21.06	21.11
	64QAM	1	0	23.29	23.23	23.32	20.98	21.09	20.86	22.50	22.79	**22.91**	20.18	20.80	20.70
		1	1	23.29	23.38	**23.48**	21.04	20.98	**21.13**	22.64	22.87	22.74	20.39	20.77	20.72
		1	158	23.24	23.36	23.20	21.00	21.06	21.05	**22.91**	22.90	22.82	20.67	20.76	**20.91**
		1	159	23.42	23.32	23.38	21.12	21.04	21.03	22.87	22.77	22.72	20.65	20.68	20.90
		80	40	22.97	23.03	23.06	20.71	20.73	20.74	22.74	22.57	22.36	20.40	20.48	20.59
		160	0	23.07	23.11	23.17	20.82	20.76	20.81	22.76	22.62	22.44	20.48	20.52	20.57
	256QAM	1	0	21.13	20.89	21.05	18.74	18.71	18.84	20.60	20.74	20.69	18.11	18.51	18.51
		1	1	21.15	21.16	21.03	18.73	18.69	18.82	20.61	**20.83**	20.58	18.18	18.57	18.49
		1	158	21.16	21.05	21.04	18.80	18.91	18.84	20.76	20.43	20.67	18.41	18.56	18.65
		1	159	21.04	**21.22**	21.11	18.73	**19.00**	18.92	20.75	20.62	20.57	18.66	18.60	**18.67**
		80	40	20.92	20.96	21.03	18.70	18.71	18.75	20.67	20.58	20.65	18.45	18.44	18.50
		160	0	20.98	21.05	21.13	18.76	18.78	18.76	20.66	20.57	20.65	18.38	18.46	18.50

OUTPUT POWER FOR 5G NR n7 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				504000	507000	510000	504000	507000	510000	504000	507000	510000	504000	507000	510000
				2520.0	2535.0	2550.0	2520.0	2535.0	2550.0	2520.0	2535.0	2550.0	2520.0	2535.0	2550.0
40.0	BPSK	1	0	24.97	24.99	24.98	22.81	22.79	22.80	24.62	24.72	24.67	22.13	22.50	22.61
		1	1	25.59	**25.63**	25.54	23.05	23.07	22.99	24.62	**24.98**	24.88	22.67	23.02	23.04
		1	214	25.58	25.60	25.61	**23.20**	23.10	23.18	24.80	24.85	24.86	23.11	**23.20**	23.06
		1	215	25.05	25.19	25.18	22.85	22.85	22.88	24.77	24.63	24.71	22.56	22.55	22.69
		108	54	25.22	25.42	25.59	22.95	22.94	23.05	24.91	24.77	24.76	22.97	22.85	23.04
		216	0	24.83	25.04	24.89	22.75	22.81	22.82	24.74	24.69	24.60	22.50	19.08	22.53
	QPSK	1	0	22.97	24.63	24.17	22.27	22.30	22.29	24.08	24.22	24.25	20.98	18.33	21.63
		1	1	24.06	25.52	25.22	23.06	23.00	23.04	24.77	24.87	24.90	21.85	19.53	22.52
		1	214	23.67	**25.70**	23.91	22.94	23.04	**23.14**	24.90	24.88	**25.00**	22.32	18.04	22.58
		1	215	22.76	24.59	22.95	21.93	22.04	22.28	24.18	24.06	24.33	21.30	17.03	21.58
		108	54	25.48	25.45	25.60	22.98	23.02	23.03	24.98	24.86	24.86	23.01	**23.04**	23.02
		216	0	24.53	24.50	24.57	22.27	22.35	22.35	24.24	24.15	24.19	22.00	22.08	21.64
	16QAM	1	0	23.82	23.66	23.75	21.51	21.49	21.57	23.23	23.44	23.36	20.67	21.27	20.76
		1	1	24.80	24.83	**24.95**	22.52	22.48	**22.67**	24.20	**24.52**	24.36	21.57	**22.43**	21.66
		1	214	24.75	24.85	24.38	22.57	22.61	22.64	24.43	24.43	24.42	22.20	22.17	21.83
		1	215	23.63	23.83	23.22	21.58	21.53	21.64	23.38	23.52	23.44	21.42	21.08	20.84
		108	54	24.57	24.54	24.54	22.23	22.28	22.32	24.26	24.15	24.06	22.11	21.99	21.92
		216	0	23.47	23.54	23.57	21.22	21.30	21.34	23.25	23.17	23.15	20.92	21.07	20.96
	64QAM	1	0	23.15	23.15	23.32	20.86	20.95	21.00	22.59	**23.01**	22.97	20.08	**20.78**	20.44
		1	1	**23.49**	23.32	23.34	21.03	20.93	20.85	22.60	22.93	22.92	20.06	20.65	20.47
		1	214	23.02	23.28	22.91	20.96	21.04	**21.14**	22.88	22.87	22.89	20.63	20.31	20.50
		1	215	23.20	23.33	23.15	20.89	20.99	21.01	22.87	22.76	22.97	20.69	20.14	20.65
		108	54	22.96	22.98	22.99	20.68	20.73	20.79	22.68	22.66	22.55	20.52	20.47	20.43
		216	0	23.02	23.02	22.98	20.72	20.77	20.80	22.64	22.68	22.60	20.58	20.52	20.49
	256QAM	1	0	21.12	21.04	21.12	18.86	18.89	18.82	20.39	20.82	20.68	18.22	18.55	18.47
		1	1	20.93	21.04	21.00	18.74	18.77	18.86	20.47	**20.84**	20.64	18.22	18.49	18.57
		1	214	21.08	21.14	20.89	18.87	18.89	18.84	20.62	20.79	20.55	18.64	18.64	**18.85**
		1	215	21.08	21.11	**21.21**	18.89	18.75	**18.94**	20.67	20.59	20.77	18.69	18.56	18.62
		108	54	20.91	20.92	20.93	18.71	18.72	18.77	20.71	20.59	20.61	18.48	18.44	18.40
		216	0	20.95	20.97	21.07	18.80	18.79	18.91	20.60	20.63	20.65	18.50	18.45	18.38

8.3. LTE BAND 12 AND 5G NR n12

LTE BAND 12

Test Engineer ID:	39004	Test Date:	1/28/2022

OUTPUT POWER FOR LTE BAND 12 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23017	23095	23173	23017	23095	23173
				699.7	707.5	715.3	699.7	707.5	715.3
1.4	QPSK	1	0	25.57	25.61	25.69	24.63	24.65	24.65
		1	2	25.62	25.64	**25.70**	24.63	24.68	**24.70**
		1	5	25.57	25.61	25.64	24.58	24.64	24.63
		3	0	25.60	25.65	25.65	24.66	24.66	24.65
		3	1	25.60	25.65	25.64	24.65	24.65	24.64
		3	2	25.58	25.61	25.65	24.63	24.63	24.63
		6	0	24.89	24.93	24.88	23.62	23.63	23.63
	16QAM	1	0	25.06	**25.33**	25.26	23.76	23.97	23.96
		1	2	25.07	25.32	**25.33**	23.89	**24.03**	24.02
		1	5	25.05	25.28	25.31	23.75	23.95	23.99
		3	0	25.08	25.16	25.15	23.82	23.82	23.78
		3	1	25.06	25.15	25.16	23.80	23.84	23.81
		3	2	25.05	25.11	25.15	23.82	23.82	23.80
		6	0	23.95	24.05	23.94	22.71	22.66	22.70
	64QAM	1	0	24.23	24.15	24.15	23.01	22.83	22.70
		1	2	**24.28**	24.20	24.18	**23.09**	22.83	22.70
		1	5	24.22	24.10	24.10	22.94	22.87	22.74
		3	0	24.07	24.10	24.09	22.84	22.83	22.76
		3	1	24.06	24.12	24.07	22.82	22.82	22.73
		3	2	24.02	24.13	24.07	22.83	22.86	22.74
		6	0	22.95	23.06	22.92	21.76	22.81	22.74
	256QAM	1	0	20.92	21.01	20.95	19.77	19.68	19.58
		1	2	**21.15**	21.14	21.00	**19.93**	19.73	19.70
		1	5	20.98	21.04	20.95	19.68	19.71	19.62
		3	0	20.90	20.92	20.87	19.66	19.70	19.51
		3	1	20.90	20.91	20.88	19.67	19.69	19.50
		3	2	20.87	20.91	20.95	19.63	19.65	19.58
		6	0	20.81	20.98	20.83	19.61	19.61	19.51

OUTPUT POWER FOR LTE BAND 12 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23025	23095	23165	23025	23095	23165
				700.5	707.5	714.5	700.5	707.5	714.5
3.0	QPSK	1	0	25.53	25.57	25.61	24.62	24.59	24.60
		1	7	25.62	25.66	**25.70**	**24.70**	24.68	24.69
		1	14	25.53	25.53	25.57	24.52	24.52	24.54
		8	0	24.83	24.90	24.92	23.70	23.58	23.60
		8	4	24.93	24.99	24.91	23.72	23.67	23.61
		8	7	24.95	24.98	24.98	23.68	23.64	23.67
		15	0	24.92	24.93	24.87	23.66	23.62	23.55
	16QAM	1	0	25.24	25.25	25.22	23.99	23.90	24.00
		1	7	25.26	**25.31**	25.30	24.01	23.93	**24.07**
		1	14	25.14	25.14	25.18	23.90	23.86	23.96
		8	0	23.92	23.94	24.00	22.78	22.66	22.65
		8	4	24.01	24.03	24.02	22.77	22.75	22.68
		8	7	23.99	24.01	24.07	22.75	22.71	22.73
		15	0	23.97	23.97	23.92	22.70	22.65	22.59
	64QAM	1	0	24.21	24.21	24.21	**23.01**	22.83	22.78
		1	7	24.27	24.24	**24.34**	23.00	22.84	22.78
		1	14	24.17	24.19	24.19	22.96	22.83	22.78
		8	0	22.93	22.96	22.92	21.75	22.85	22.77
		8	4	23.03	23.07	22.95	21.75	22.87	22.75
		8	7	23.01	23.03	23.01	21.73	22.89	22.72
		15	0	22.95	22.95	22.89	21.73	22.88	22.78
	256QAM	1	0	20.97	20.94	21.10	19.67	19.73	19.53
		1	7	21.11	21.09	**21.18**	**19.82**	19.76	19.67
		1	14	20.99	20.99	21.04	19.75	19.72	19.51
		8	0	20.88	20.89	20.93	19.74	19.59	19.53
		8	4	21.00	20.99	20.93	19.77	19.67	19.64
		8	7	20.96	20.96	20.98	19.74	19.66	19.62
		15	0	20.93	20.93	20.89	19.69	19.66	19.58

OUTPUT POWER FOR LTE BAND 12 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23035	23095	23155	23035	23095	23155
				701.5	707.5	713.5	701.5	707.5	713.5
5.0	QPSK	1	0	25.52	25.56	25.63	24.58	24.59	24.60
		1	12	25.68	25.69	**25.70**	24.69	**24.70**	24.64
		1	24	25.56	25.60	25.58	24.61	24.60	24.58
		12	0	24.84	24.88	24.90	23.61	23.60	23.55
		12	6	24.93	24.95	24.93	23.69	23.66	23.58
		12	11	24.87	24.92	24.95	23.63	23.60	23.58
		25	0	24.90	24.93	24.88	23.66	23.63	23.62
	16QAM	1	0	25.24	25.24	25.30	24.06	23.96	23.94
		1	12	25.32	**25.41**	25.38	**24.21**	24.09	24.08
		1	24	25.28	25.28	25.28	24.02	23.98	23.91
		12	0	23.92	23.94	23.95	22.69	22.63	22.73
		12	6	24.01	24.04	23.96	22.77	22.71	22.74
		12	11	23.97	23.98	23.99	22.71	22.64	22.77
		25	0	23.89	23.94	23.92	22.68	22.65	22.65
	64QAM	1	0	24.14	24.13	24.21	22.97	22.87	22.80
		1	12	24.19	24.20	**24.24**	**23.10**	22.86	22.78
		1	24	24.15	24.18	24.22	23.04	22.85	22.74
		12	0	22.85	22.92	22.86	21.73	22.86	22.79
		12	6	22.95	23.03	22.87	21.82	22.85	22.76
		12	11	22.89	22.97	22.93	21.74	22.86	22.78
		25	0	22.92	22.95	22.87	21.70	22.83	22.80
	256QAM	1	0	20.97	20.90	20.90	19.79	19.75	19.61
		1	12	**21.09**	21.02	21.07	**19.94**	19.86	19.72
		1	24	21.01	20.95	20.99	19.91	19.83	19.69
		12	0	20.86	20.87	20.87	19.65	19.62	19.51
		12	6	20.92	20.99	20.90	19.71	19.70	19.53
		12	11	20.89	20.92	20.92	19.68	19.62	19.55
		25	0	20.92	20.92	20.88	19.68	19.66	19.52

OUTPUT POWER FOR LTE BAND 12 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23060	23095	23130	23060	23095	23130
				704.0	707.5	711.0	704.0	707.5	711.0
10.0	QPSK	1	0	25.63	25.65	25.66	24.68	24.65	**24.70**
		1	24	25.64	25.67	**25.70**	24.67	24.63	24.68
		1	49	25.61	25.65	25.65	24.61	24.58	24.61
		25	0	24.91	24.96	24.97	23.62	23.59	23.61
		25	12	25.01	25.03	25.06	23.71	23.68	23.63
		25	24	24.98	25.01	25.01	23.67	23.62	23.68
		50	0	25.00	25.02	25.04	23.68	23.65	23.61
	16QAM	1	0	25.37	25.31	25.34	24.02	23.99	**24.11**
		1	24	25.26	25.25	25.28	23.99	23.95	23.99
		1	49	25.26	25.33	**25.39**	23.94	23.93	24.03
		25	0	23.95	23.99	23.98	22.65	22.62	22.64
		25	12	24.02	24.04	24.04	22.71	22.68	22.66
		25	24	24.01	24.04	24.04	22.68	22.65	22.70
		50	0	23.98	24.02	24.05	22.70	22.66	22.61
	64QAM	1	0	**24.28**	24.26	24.21	22.86	**22.93**	22.88
		1	24	24.26	24.26	24.26	22.87	22.90	22.82
		1	49	24.25	24.24	24.13	22.77	22.91	22.84
		25	0	22.92	22.95	23.00	21.65	22.90	22.88
		25	12	23.02	23.03	23.07	21.73	22.87	22.87
		25	24	23.00	23.00	23.06	21.70	22.91	22.86
		50	0	22.98	23.02	23.04	21.72	22.90	22.87
	256QAM	1	0	20.94	20.90	21.00	19.66	19.66	19.70
		1	24	21.08	21.08	**21.15**	19.78	**19.83**	19.82
		1	49	21.07	21.09	21.10	19.68	19.77	19.73
		25	0	20.89	20.92	20.96	19.66	19.62	19.61
		25	12	21.01	21.01	21.05	19.72	19.70	19.66
		25	24	20.95	20.96	21.02	19.68	19.66	19.63
		50	0	20.97	20.98	21.04	19.68	19.67	19.65

5G NR n12

Test Engineer ID:	52275	Test Date:	2/2/2022

OUTPUT POWER FOR 5G NR n12 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				140300	141500	142700	140300	141500	142700
				701.5	707.5	713.5	701.5	707.5	713.5
5.0	BPSK	1	0	25.48	25.38	25.38	24.50	24.44	24.33
		1	1	**25.70**	25.51	25.54	24.68	24.69	24.54
		1	23	25.58	25.53	25.51	24.64	24.65	24.54
		1	24	25.38	25.40	25.31	24.42	24.43	24.32
		12	6	25.62	25.58	25.57	24.67	**24.70**	24.58
		25	0	25.38	25.29	25.31	24.38	24.40	24.25
	QPSK	1	0	24.95	24.87	24.94	23.98	23.90	23.87
		1	1	**25.70**	25.59	25.56	24.67	24.55	24.57
		1	23	25.63	25.55	25.61	**24.68**	24.66	24.55
		1	24	24.95	24.93	24.86	23.97	23.92	23.88
		12	6	25.69	25.55	25.64	24.67	**24.68**	24.54
		25	0	24.97	24.87	24.89	23.96	23.94	23.84
	16QAM	1	0	24.16	24.09	24.10	23.26	23.19	23.08
		1	1	**25.27**	25.14	25.18	**24.20**	24.18	**24.20**
		1	23	25.15	25.17	25.13	24.08	**24.20**	24.07
		1	24	24.15	24.14	24.13	23.09	23.16	23.04
		12	6	24.90	24.73	24.87	23.88	23.91	23.83
		25	0	23.91	23.82	23.84	22.92	23.00	22.95
	64QAM	1	0	23.64	23.53	23.55	**22.59**	22.55	22.57
		1	1	23.62	23.53	**23.65**	22.58	22.56	22.53
		1	23	23.53	23.58	23.53	22.55	22.57	22.56
		1	24	23.56	23.54	23.52	22.47	**22.59**	22.51
		12	6	23.35	23.35	23.36	22.34	22.44	22.37
		25	0	23.45	23.38	23.40	22.36	22.43	22.45
	256QAM	1	0	21.43	21.35	21.35	20.41	20.39	20.40
		1	1	21.46	21.23	21.38	20.33	20.28	20.40
		1	23	21.34	21.33	21.28	20.34	20.37	20.43
		1	24	21.39	21.32	21.25	20.36	20.30	20.36
		12	6	**21.47**	21.40	21.42	**20.44**	20.33	20.41
		25	0	21.43	21.42	21.30	20.42	20.38	20.41

OUTPUT POWER FOR 5G NR n12 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				140800	141500	142200	140800	141500	142200
				704.0	707.5	711.0	704.0	707.5	711.0
10.0	BPSK	1	0	25.40	25.35	25.27	24.51	24.43	24.42
		1	1	**25.65**	25.54	25.49	**24.67**	24.57	24.66
		1	50	25.42	25.45	25.39	24.58	24.56	24.45
		1	51	25.25	25.27	25.13	24.38	24.32	24.27
		25	12	25.49	25.42	25.40	24.60	24.58	24.53
		50	0	25.34	25.24	25.23	24.49	24.40	24.36
	QPSK	1	0	24.94	24.86	24.81	24.04	23.94	23.91
		1	1	**25.70**	25.52	25.53	**24.70**	24.62	24.65
		1	50	25.45	25.53	25.41	24.64	24.57	24.53
		1	51	24.73	24.77	24.67	23.94	23.90	23.82
		25	12	25.56	25.49	25.44	24.62	24.65	24.61
		50	0	24.84	24.77	24.76	23.91	23.92	23.86
	16QAM	1	0	24.17	24.04	23.97	23.27	23.14	23.24
		1	1	**25.16**	25.12	24.97	**24.24**	24.13	24.15
		1	50	25.01	25.00	24.87	24.15	24.15	24.04
		1	51	23.82	24.05	23.97	23.16	23.04	23.08
		25	12	24.82	24.71	24.68	23.96	23.94	23.86
		50	0	23.77	23.81	23.72	22.94	22.91	22.83
	64QAM	1	0	23.47	23.42	23.43	**22.69**	22.63	22.59
		1	1	23.42	23.50	23.38	**22.69**	22.59	22.60
		1	50	23.50	**23.51**	23.41	22.55	22.58	22.47
		1	51	23.37	23.41	23.33	22.57	22.54	22.34
		25	12	23.25	23.25	23.36	22.39	22.47	22.30
		50	0	23.30	23.29	23.24	22.54	22.49	22.37
	256QAM	1	0	21.30	21.17	21.11	20.30	20.31	20.40
		1	1	21.28	21.30	21.22	20.40	20.27	20.34
		1	50	21.31	**21.36**	21.34	20.38	20.30	20.38
		1	51	21.23	21.28	21.23	20.44	20.27	20.29
		25	12	21.27	21.27	21.35	**20.48**	20.43	20.38
		50	0	21.27	21.23	21.33	20.45	20.38	20.39

OUTPUT POWER FOR 5G NR n12 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				141300	141500	141700	141300	141500	141700
				706.5	707.5	708.5	706.5	707.5	708.5
15.0	BPSK	1	0	25.48	25.40	25.43	24.42	24.42	24.39
		1	1	**25.65**	25.62	25.64	**24.70**	24.60	24.54
		1	77	25.47	25.48	25.38	24.53	24.45	24.44
		1	78	25.21	25.21	25.21	24.26	24.27	24.24
		36	18	25.47	25.46	25.42	24.48	24.48	24.41
		75	0	25.32	25.30	25.28	24.28	24.40	24.24
	QPSK	1	0	25.05	24.92	24.97	23.98	23.93	23.93
		1	1	**25.70**	25.62	25.69	24.65	**24.67**	24.55
		1	77	25.48	25.48	25.42	24.50	24.52	24.45
		1	78	24.77	24.75	24.78	23.81	23.83	23.79
		36	18	25.55	25.50	25.55	24.51	24.54	24.51
		75	0	24.86	24.84	24.83	23.94	23.97	23.79
	16QAM	1	0	24.23	24.22	24.12	23.10	23.15	23.20
		1	1	**25.24**	25.14	25.16	**24.12**	24.10	24.08
		1	77	24.94	24.93	24.99	24.09	24.03	23.92
		1	78	23.99	23.90	23.92	22.97	22.98	23.04
		36	18	24.83	24.78	24.87	23.75	23.88	23.87
		75	0	23.83	23.87	23.83	22.93	22.82	22.91
	64QAM	1	0	23.61	**23.73**	23.57	22.56	22.53	22.49
		1	1	23.57	23.61	23.57	22.47	**22.65**	22.50
		1	77	23.39	23.51	23.39	22.41	22.44	22.49
		1	78	23.45	23.30	23.20	22.43	22.36	22.44
		36	18	23.33	23.31	23.27	22.39	22.28	22.39
		75	0	23.37	23.37	23.36	22.45	22.45	22.39
	256QAM	1	0	**21.58**	21.51	21.44	**20.48**	20.42	20.42
		1	1	21.43	21.52	21.39	20.43	20.41	20.34
		1	77	21.36	21.29	21.22	20.19	20.23	20.35
		1	78	21.28	21.30	21.30	20.21	20.34	20.30
		36	18	21.35	21.31	21.32	20.35	20.32	20.34
		75	0	21.34	21.28	21.29	20.35	20.29	20.33

8.4. LTE BAND 13

Test Engineer ID:	39004	Test Date:	1/28/2022

OUTPUT POWER FOR LTE BAND 13 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23205	23230	23255	23205	23230	23255
				779.5	782.0	784.5	779.5	782.0	784.5
5.0	QPSK	1	0	25.62	25.59	25.54	24.64	24.59	24.58
		1	12	**25.70**	25.67	25.69	**24.70**	24.65	24.68
		1	24	25.61	25.57	25.57	24.59	24.55	24.58
		12	0	24.82	24.85	24.85	23.56	23.54	23.55
		12	6	24.92	24.98	24.96	23.66	23.64	23.66
		12	11	24.90	24.92	24.89	23.65	23.61	23.62
		25	0	24.93	24.89	24.91	23.65	23.61	23.61
	16QAM	1	0	25.27	25.28	25.23	23.98	24.06	23.97
		1	12	**25.38**	25.37	25.32	24.13	**24.20**	24.08
		1	24	25.25	25.28	25.27	23.95	24.03	24.00
		12	0	23.88	23.85	23.94	22.58	22.65	22.63
		12	6	24.01	23.94	24.05	22.71	22.78	22.75
		12	11	23.99	23.92	24.01	22.66	22.74	22.70
		25	0	23.96	23.91	23.93	22.62	22.64	22.61
	64QAM	1	0	24.19	24.19	24.13	22.93	22.85	22.94
		1	12	24.24	**24.28**	24.15	**23.00**	22.79	22.88
		1	24	24.19	24.26	24.11	22.92	22.84	22.91
		12	0	22.85	22.78	22.89	21.77	22.80	22.88
		12	6	22.95	22.92	22.99	21.80	22.82	22.91
		12	11	22.91	22.87	22.95	21.76	22.79	22.92
		25	0	22.94	22.93	22.89	21.67	22.82	22.88
	256QAM	1	0	20.98	21.03	20.92	19.79	19.71	19.72
		1	12	21.17	**21.23**	21.01	19.84	19.87	**19.88**
		1	24	21.13	21.09	20.95	19.77	19.79	19.80
		12	0	20.83	20.84	20.84	19.66	19.56	19.56
		12	6	20.96	20.94	20.95	19.70	19.69	19.67
		12	11	20.93	20.92	20.92	19.66	19.65	19.63
		25	0	20.93	20.92	20.91	19.66	19.63	19.64

OUTPUT POWER FOR LTE BAND 13 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	23230	N/A	N/A	23230	N/A
				N/A	782.0	N/A	N/A	782.0	N/A
10.0	QPSK	1	0		25.69			**24.70**	
		1	24		**25.70**			24.69	
		1	49		25.63			24.64	
		25	0		24.95			23.66	
		25	12		25.03			23.74	
		25	24		24.98			23.69	
		50	0		25.03			23.75	
	16QAM	1	0		**25.33**			**24.04**	
		1	24		25.28			23.99	
		1	49		25.28			23.92	
		25	0		23.94			22.73	
		25	12		24.03			22.78	
		25	24		23.98			22.74	
		50	0		24.03			22.77	
	64QAM	1	0		**24.24**			**22.96**	
		1	24		24.21			22.90	
		1	49		24.15			22.92	
		25	0		22.98			21.59	
		25	12		23.03			21.70	
		25	24		22.95			21.63	
		50	0		23.06			21.71	
	256QAM	1	0		21.06			19.72	
		1	24		**21.13**			**19.83**	
		1	49		21.08			19.72	
		25	0		20.93			19.60	
		25	12		21.02			19.66	
		25	24		20.99			19.66	
		50	0		21.02			19.69	

8.5. LTE BAND 14 AND 5G NR n14

LTE BAND 14

Test Engineer ID:	39004	Test Date:	1/28/2022

OUTPUT POWER FOR LTE BAND 14 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23305	23330	23355	23305	23330	23355
				790.5	793.0	795.5	790.5	793.0	795.5
5.0	QPSK	1	0	25.63	25.58	25.55	24.62	24.59	24.57
		1	12	**25.70**	25.65	25.65	**24.70**	24.63	24.64
		1	24	25.55	25.54	25.49	24.52	24.50	24.52
		12	0	24.96	24.87	24.88	23.67	23.66	23.55
		12	6	24.95	24.95	24.95	23.68	23.63	23.57
		12	11	24.87	24.86	24.86	23.60	23.56	23.57
		25	0	24.93	24.91	24.87	23.63	23.59	23.52
	16QAM	1	0	25.24	25.30	25.22	23.96	23.98	23.98
		1	12	**25.40**	25.36	25.26	**24.05**	23.94	24.03
		1	24	25.20	25.26	25.14	23.84	23.90	23.93
		12	0	23.96	23.84	23.87	22.79	22.70	22.61
		12	6	23.93	23.92	23.95	22.77	22.68	22.60
		12	11	23.87	23.82	23.87	22.69	22.61	22.61
		25	0	23.93	23.90	23.92	22.66	22.63	22.55
	64QAM	1	0	24.21	24.14	24.11	22.91	22.87	22.84
		1	12	**24.24**	24.14	24.11	**22.92**	22.84	22.85
		1	24	24.15	24.13	24.03	22.75	22.79	22.78
		12	0	23.02	22.94	22.87	21.79	21.67	21.58
		12	6	23.03	23.01	22.96	21.76	21.65	21.59
		12	11	22.93	22.90	22.85	21.70	21.57	21.59
		25	0	22.93	22.92	22.90	21.66	21.62	21.55
	256QAM	1	0	21.02	20.87	20.84	19.68	19.67	19.63
		1	12	**21.14**	21.01	20.96	19.78	**19.84**	19.75
		1	24	21.03	20.91	20.93	19.69	19.76	19.71
		12	0	20.95	20.88	20.87	19.67	19.69	19.57
		12	6	20.95	20.95	20.94	19.65	19.64	19.56
		12	11	20.87	20.87	20.84	19.59	19.56	19.56
		25	0	20.90	20.89	20.86	19.63	19.62	19.53

OUTPUT POWER FOR LTE BAND 14 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	23330	N/A	N/A	23330	N/A
				N/A	793.0	N/A	N/A	793.0	N/A
10.0	QPSK	1	0		**25.70**			**24.70**	
		1	24		25.69			24.64	
		1	49		25.61			24.57	
		25	0		24.94			23.71	
		25	12		25.02			23.73	
		25	24		24.97			23.65	
		50	0		25.00			23.69	
	16QAM	1	0		**25.39**			**24.16**	
		1	24		25.24			24.05	
		1	49		25.30			24.05	
		25	0		23.95			22.74	
		25	12		24.03			22.74	
		25	24		23.97			22.71	
		50	0		24.00			22.71	
	64QAM	1	0		24.26			**23.08**	
		1	24		**24.28**			23.00	
		1	49		24.18			22.89	
		25	0		22.98			21.75	
		25	12		23.03			21.75	
		25	24		22.98			21.69	
		50	0		22.99			21.69	
	256QAM	1	0		20.97			19.66	
		1	24		**21.13**			**19.81**	
		1	49		21.03			19.71	
		25	0		20.94			19.72	
		25	12		21.01			19.72	
		25	24		20.95			19.67	
		50	0		20.97			19.68	

5G NR n14

Test Engineer ID:	39004	Test Date:	1/28/2022

OUTPUT POWER FOR 5G NR n14 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				158100	158600	159100	158100	158600	159100
				790.5	793.0	795.5	790.5	793.0	795.5
5.0	BPSK	1	0	23.70	25.32	25.29	22.70	24.41	24.35
		1	1	**25.67**	25.51	25.47	**24.70**	24.58	24.53
		1	23	25.54	25.54	25.46	24.56	24.59	24.60
		1	24	23.70	25.30	25.30	22.70	24.38	24.36
		12	6	25.57	25.44	25.53	24.56	24.60	24.61
		25	0	25.27	25.17	25.23	24.33	24.27	24.36
	QPSK	1	0	23.70	24.77	24.82	22.70	23.97	23.91
		1	1	**25.70**	25.56	25.54	**24.69**	24.60	24.58
		1	23	25.58	25.50	25.56	24.56	24.65	24.63
		1	24	23.70	24.86	24.82	22.70	23.93	23.88
		12	6	25.51	25.47	25.54	24.58	24.57	24.54
		25	0	24.83	24.74	24.86	23.86	23.86	23.79
	16QAM	1	0	23.70	24.04	24.03	22.70	23.19	23.09
		1	1	24.80	25.10	**25.11**	23.81	**24.21**	24.11
		1	23	24.63	25.06	24.97	23.75	24.17	24.14
		1	24	23.70	24.06	23.96	22.70	23.16	23.01
		12	6	24.84	24.74	24.71	23.83	23.83	23.85
		25	0	23.81	23.72	23.89	22.87	22.77	22.84
	64QAM	1	0	**23.70**	23.37	23.43	**22.70**	22.57	22.52
		1	1	23.57	23.45	23.54	22.69	22.51	22.52
		1	23	23.41	23.50	23.42	22.51	22.54	22.47
		1	24	**23.70**	23.47	23.37	**22.70**	22.47	22.51
		12	6	23.23	23.17	23.23	22.33	22.27	22.34
		25	0	23.22	23.17	23.24	22.35	22.31	22.33
	256QAM	1	0	21.22	21.22	21.26	20.20	20.33	20.19
		1	1	21.33	21.26	21.25	20.38	20.31	20.32
		1	23	21.21	21.24	21.31	20.28	20.29	20.27
		1	24	21.13	**21.35**	21.26	20.30	20.39	20.26
		12	6	21.24	21.23	21.32	20.43	**20.45**	20.43
		25	0	21.23	21.23	21.23	20.41	20.34	20.31

OUTPUT POWER FOR 5G NR n14 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				NA	158600	NA	NA	158600	NA
				NA	793.0	NA	NA	793.0	NA
10.0	BPSK	1	0		25.29			24.49	
		1	1		**25.69**			**24.70**	
		1	50		25.52			24.48	
		1	51		25.27			24.39	
		25	12		25.22			24.48	
		50	0		25.05			24.34	
	QPSK	1	0		24.70			23.98	
		1	1		25.64			**24.68**	
		1	50		25.52			24.52	
		1	51		24.98			23.78	
		25	12		**25.70**			24.53	
		50	0		24.96			23.82	
	16QAM	1	0		23.96			23.08	
		1	1		**25.05**			**24.14**	
		1	50		24.82			24.12	
		1	51		23.94			23.05	
		25	12		24.98			23.83	
		50	0		23.99			22.80	
	64QAM	1	0		23.76			22.48	
		1	1		**23.80**			22.44	
		1	50		23.76			**22.49**	
		1	51		23.71			22.44	
		25	12		23.47			22.24	
		50	0		23.53			22.32	
	256QAM	1	0		21.51			20.23	
		1	1		21.58			20.26	
		1	50		**21.66**			**20.31**	
		1	51		21.62			20.25	
		25	12		21.61			20.30	
		50	0		21.51			20.27	

8.6. LTE BAND 17

Test Engineer ID:	39004	Test Date:	1/28/2022

OUTPUT POWER FOR LTE BAND 17 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23755	23790	23825	23755	23790	23825
				706.5	710.0	713.5	706.5	710.0	713.5
5.0	QPSK	1	0	25.62	25.66	**25.70**	**24.70**	24.66	24.67
		1	12	25.59	25.69	25.69	24.69	24.64	24.68
		1	24	25.54	25.56	25.61	24.55	24.53	24.55
		12	0	24.92	24.95	25.00	23.68	23.63	23.65
		12	6	24.98	24.98	24.92	23.68	23.67	23.68
		12	11	24.90	24.95	24.94	23.62	23.59	23.63
		25	0	24.94	24.98	24.93	23.68	23.65	23.58
	16QAM	1	0	25.34	25.40	25.35	24.02	**24.11**	24.05
		1	12	25.40	25.38	**25.42**	24.09	24.10	24.09
		1	24	25.28	25.23	25.21	23.91	24.01	23.93
		12	0	24.13	24.04	24.19	22.73	22.69	22.67
		12	6	24.15	24.05	24.14	22.76	22.70	22.70
		12	11	24.10	23.98	24.15	22.68	22.64	22.64
		25	0	23.96	24.02	23.94	22.71	22.69	22.58
	64QAM	1	0	24.22	**24.25**	**24.25**	**23.49**	23.33	23.41
		1	12	24.17	24.24	24.22	23.40	23.31	23.40
		1	24	24.15	24.19	24.16	23.32	23.31	23.40
		12	0	22.87	22.92	22.99	22.13	23.35	23.37
		12	6	22.92	22.95	22.97	22.18	23.35	23.37
		12	11	22.86	22.88	22.98	22.09	23.34	23.40
		25	0	22.96	23.00	22.95	22.12	23.32	23.41
	256QAM	1	0	21.09	21.01	**21.10**	20.18	20.19	20.17
		1	12	21.05	21.01	21.06	**20.20**	**20.20**	20.17
		1	24	21.00	20.94	21.00	20.08	20.13	20.09
		12	0	20.92	20.96	20.98	20.11	20.06	20.07
		12	6	20.98	21.01	20.96	20.16	20.11	20.03
		12	11	20.90	20.93	20.96	20.08	20.02	20.03
		25	0	20.98	20.97	20.92	20.12	20.05	20.01

OUTPUT POWER FOR LTE BAND 17 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23780	23790	23800	23780	23790	23800
				709.0	710.0	711.0	709.0	710.0	711.0
10.0	QPSK	1	0	25.64	25.66	25.68	**24.70**	**24.70**	24.69
		1	24	25.66	25.66	**25.70**	24.69	24.67	24.69
		1	49	25.61	25.64	25.63	24.63	24.60	24.63
		25	0	25.13	25.17	25.17	23.70	23.66	23.70
		25	12	25.23	25.24	25.19	23.78	23.75	23.70
		25	24	25.14	25.20	25.19	23.69	23.66	23.68
		50	0	25.18	25.23	25.14	23.72	23.71	23.65
	16QAM	1	0	25.43	25.49	**25.51**	24.08	23.98	**24.15**
		1	24	25.37	25.44	25.46	24.00	23.95	24.02
		1	49	25.42	25.46	25.49	23.99	23.98	24.06
		25	0	24.15	24.18	24.21	22.73	22.69	22.72
		25	12	24.22	24.27	24.21	22.77	22.76	22.72
		25	24	24.17	24.19	24.23	22.71	22.67	22.71
		50	0	24.20	24.22	24.14	22.74	22.71	22.64
	64QAM	1	0	24.36	24.44	24.47	**23.42**	23.32	23.37
		1	24	24.37	24.42	**24.48**	23.40	23.36	23.37
		1	49	24.36	24.35	24.33	23.36	23.27	23.37
		25	0	23.17	23.18	23.19	22.13	23.31	23.35
		25	12	23.26	23.26	23.18	22.20	23.33	23.38
		25	24	23.20	23.18	23.21	22.13	23.33	23.37
		50	0	23.22	23.20	23.15	22.17	23.34	23.33
	256QAM	1	0	21.25	21.27	21.22	20.17	20.14	20.16
		1	24	21.33	21.31	**21.35**	20.27	20.21	**20.28**
		1	49	21.29	21.28	21.26	20.22	20.15	20.18
		25	0	21.14	21.16	21.17	20.11	20.08	20.10
		25	12	21.24	21.25	21.15	20.19	20.16	20.08
		25	24	21.17	21.19	21.14	20.10	20.05	20.10
		50	0	21.18	21.18	21.10	20.14	20.09	20.13

8.7. LTE BAND 25 AND 5G NR n25

LTE BAND 25

Test Engineer ID:	39004	Test Date:	1/31/2022

OUTPUT POWER FOR LTE BAND 25 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26047	26365	26683	26047	26365	26683	26047	26365	26683	26047	26365	26683
				1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3
1.4	QPSK	1	0	25.54	25.46	25.63	23.37	23.21	23.22	25.15	25.11	25.12	22.58	22.50	22.45
		1	2	25.59	25.53	25.64	**23.40**	23.19	23.23	**25.20**	25.10	25.13	**22.60**	22.54	22.52
		1	5	25.59	25.51	25.64	23.35	23.15	23.20	25.19	25.08	25.13	22.59	22.53	22.48
		3	0	25.54	25.50	25.63	23.34	23.20	23.20	25.14	25.10	25.10	22.57	22.53	22.48
		3	1	25.54	25.68	25.66	23.35	23.20	23.23	25.14	25.09	25.13	22.56	22.52	22.49
		3	2	25.56	**25.70**	25.67	23.35	23.22	23.24	25.13	25.10	25.11	22.52	22.54	22.48
		6	0	24.84	24.96	24.96	22.35	22.20	22.20	24.15	24.07	24.06	21.54	21.53	21.43
	16QAM	1	0	25.22	25.35	25.33	**22.73**	22.42	22.54	**24.55**	24.33	24.45	21.95	21.78	21.80
		1	2	25.23	**25.41**	25.36	22.69	22.42	22.63	24.52	24.32	24.46	**21.99**	21.79	21.89
		1	5	25.27	25.38	25.32	22.72	22.42	22.58	24.52	24.35	24.42	21.97	21.77	21.80
		3	0	25.06	25.22	25.15	22.59	22.39	22.40	24.36	24.24	24.31	21.74	21.72	21.66
		3	1	25.06	25.17	25.17	22.61	22.39	22.42	24.32	24.25	24.32	21.77	21.76	21.66
		3	2	25.05	25.19	25.18	22.59	22.37	22.40	24.30	24.27	24.30	21.75	21.73	21.67
		6	0	23.95	24.05	24.05	21.46	21.27	21.25	23.23	23.13	23.13	20.66	20.58	20.52
	64QAM	1	0	24.18	**24.33**	24.25	22.23	22.01	21.98	**23.67**	23.41	23.28	20.40	20.45	20.40
		1	2	24.22	24.30	24.18	**22.28**	22.07	21.99	23.60	23.38	23.29	**20.46**	20.45	20.33
		1	5	24.10	24.31	24.27	22.18	22.05	21.99	23.65	23.44	23.27	20.39	20.40	20.35
		3	0	23.93	24.06	24.03	22.00	22.08	21.94	23.43	23.45	23.30	20.27	20.37	20.38
		3	1	23.95	24.08	24.09	21.99	21.98	22.02	23.43	23.37	23.25	20.32	20.41	20.32
		3	2	23.94	24.09	24.07	22.01	22.03	21.95	23.43	23.37	23.26	20.30	20.40	20.37
		6	0	22.84	23.05	23.04	20.97	22.06	21.97	22.38	23.41	23.31	19.23	20.41	20.34
	256QAM	1	0	20.88	21.10	21.04	18.96	18.90	18.84	20.35	20.27	20.19	17.19	17.20	17.19
		1	2	21.05	21.07	**21.17**	18.96	18.95	18.99	**20.40**	20.27	20.31	17.21	**17.27**	17.26
		1	5	20.89	21.09	21.09	**19.00**	18.89	18.89	20.31	20.27	20.29	17.21	17.21	17.25
		3	0	20.82	21.00	20.95	18.81	18.82	18.84	20.33	20.21	20.07	17.17	17.15	17.22
		3	1	20.85	21.00	20.98	18.83	18.85	18.84	20.32	20.22	20.16	17.14	17.24	17.24
		3	2	20.85	21.00	20.96	18.83	18.84	18.86	20.33	20.21	20.18	17.17	17.23	17.24
		6	0	20.81	20.98	20.92	18.86	18.97	18.90	20.33	20.10	20.03	**17.27**	17.00	17.21

OUTPUT POWER FOR LTE BAND 25 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26055	26365	26675	26055	26365	26675	26055	26365	26675	26055	26365	26675
				1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5
3.0	QPSK	1	0	25.67	25.48	25.48	23.33	23.17	23.19	25.14	25.05	25.11	22.56	22.44	22.42
		1	7	**25.70**	25.58	25.55	**23.40**	23.23	23.26	**25.20**	25.14	25.14	**22.60**	22.47	22.50
		1	14	25.66	25.52	25.48	23.34	23.16	23.18	25.15	25.06	25.06	22.49	22.43	22.41
		8	0	25.00	24.80	24.85	22.38	22.17	22.16	24.19	24.14	24.13	21.58	21.42	21.40
		8	4	25.05	24.89	24.88	22.41	22.25	22.18	24.22	24.15	24.16	21.60	21.44	21.45
		8	7	25.04	24.90	24.87	22.42	22.26	22.17	24.23	24.14	24.16	21.57	21.52	21.49
		15	0	25.02	24.86	24.85	22.37	22.13	22.15	24.17	24.12	24.11	21.56	21.44	21.39
	16QAM	1	0	25.29	25.14	25.11	22.68	22.53	22.53	24.45	24.46	24.47	21.87	21.85	21.80
		1	7	**25.33**	25.21	25.24	**22.70**	22.64	22.56	**24.58**	24.53	24.52	21.88	**21.91**	21.86
		1	14	25.27	25.14	25.14	22.66	22.60	22.48	24.45	24.44	24.47	21.85	21.80	21.75
		8	0	24.08	23.87	23.96	21.45	21.23	21.26	23.27	23.20	23.24	20.63	20.48	20.49
		8	4	24.10	23.97	23.98	21.48	21.34	21.26	23.32	23.22	23.24	20.64	20.49	20.49
		8	7	24.09	23.96	23.97	21.46	21.34	21.27	23.30	23.22	23.23	20.65	20.57	20.56
		15	0	24.03	23.93	23.92	21.45	21.19	21.21	23.24	23.15	23.14	20.62	20.44	20.46
	64QAM	1	0	24.22	24.11	24.10	22.11	21.99	21.97	23.59	23.45	23.46	20.52	20.41	20.38
		1	7	**24.24**	24.17	24.09	**22.19**	22.00	22.02	**23.61**	23.42	23.43	**20.56**	20.43	20.43
		1	14	24.20	24.17	24.13	22.12	22.01	22.04	23.60	23.39	23.43	20.50	20.40	20.35
		8	0	23.07	22.80	22.86	20.89	22.00	22.02	22.36	23.44	23.44	19.24	20.44	20.40
		8	4	23.08	22.92	22.91	20.94	21.97	22.04	22.40	23.42	23.45	19.28	20.43	20.35
		8	7	23.09	22.90	22.89	20.93	21.99	22.03	22.39	23.48	23.47	19.28	20.38	20.35
		15	0	23.01	22.90	22.86	20.89	22.02	21.98	22.34	23.42	23.49	19.22	20.39	20.40
	256QAM	1	0	**21.11**	20.82	20.97	18.96	18.88	18.74	20.30	20.27	20.32	17.25	17.25	17.27
		1	7	21.04	20.98	21.01	**19.01**	18.97	18.90	**20.45**	20.38	20.35	17.35	**17.43**	17.32
		1	14	21.02	20.93	20.95	18.98	18.98	18.81	20.34	20.32	20.32	17.38	17.32	17.26
		8	0	20.89	20.81	20.83	18.89	18.75	18.74	20.33	20.21	20.19	17.20	17.14	17.16
		8	4	20.93	20.89	20.86	18.89	18.76	18.76	20.36	20.21	20.22	17.27	17.17	17.28
		8	7	20.90	20.90	20.85	18.93	18.83	18.85	20.35	20.24	20.19	17.26	17.15	17.26
		15	0	20.85	20.87	20.82	18.89	18.71	18.71	20.32	20.19	20.19	17.20	17.11	17.18

OUTPUT POWER FOR LTE BAND 25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26065	26365	26665	26065	26365	26665	26065	26365	26665	26065	26365	26665
				1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
5.0	QPSK	1	0	25.57	25.58	25.47	23.38	23.33	23.30	25.13	25.07	25.09	22.51	22.51	22.45
		1	12	25.66	**25.70**	25.59	**23.40**	23.37	23.36	**25.20**	25.14	25.19	**22.60**	22.53	22.46
		1	24	25.62	25.61	25.49	23.25	23.34	23.27	25.18	25.10	25.07	22.55	22.51	22.41
		12	0	24.96	24.83	24.79	22.51	22.28	22.28	24.18	24.04	24.06	21.54	21.44	21.49
		12	6	24.96	24.92	24.88	22.49	22.27	22.33	24.18	24.11	24.12	21.58	21.46	21.48
		12	11	24.93	24.93	24.88	22.49	22.33	22.32	24.18	24.10	24.09	21.56	21.51	21.47
		25	0	24.95	24.92	24.87	22.47	22.27	22.34	24.19	24.11	24.13	21.57	21.43	21.48
	16QAM	1	0	25.28	25.26	25.19	22.91	22.70	22.61	24.61	24.47	24.46	21.94	21.87	21.90
		1	12	**25.41**	25.27	25.29	**22.98**	22.70	22.76	**24.66**	24.55	24.54	21.96	21.94	**21.99**
		1	24	25.35	25.29	25.21	22.97	22.73	22.60	24.59	24.50	24.38	21.93	21.87	21.87
		12	0	24.02	23.91	23.87	21.57	21.26	21.29	23.27	23.06	23.14	20.64	20.52	20.63
		12	6	23.99	23.97	23.95	21.57	21.26	21.37	23.27	23.15	23.21	20.65	20.52	20.62
		12	11	23.98	23.97	23.92	21.55	21.32	21.35	23.27	23.11	23.18	20.64	20.61	20.59
		25	0	23.97	23.93	23.96	21.50	21.30	21.37	23.20	23.11	23.12	20.56	20.44	20.50
	64QAM	1	0	24.20	24.16	24.01	**22.19**	22.04	21.99	23.74	23.52	23.35	20.45	20.40	20.44
		1	12	**24.21**	24.18	24.10	22.17	22.07	22.01	23.72	23.56	23.37	20.49	20.44	20.45
		1	24	24.20	24.19	24.03	22.14	22.06	22.01	**23.76**	23.55	23.35	**20.50**	20.46	20.44
		12	0	22.92	22.83	22.87	20.91	22.06	21.98	22.41	23.53	23.37	19.25	20.45	20.42
		12	6	22.92	22.93	22.95	20.90	22.09	21.98	22.42	23.53	23.34	19.28	20.41	20.40
		12	11	22.91	22.89	22.95	20.90	22.10	21.94	22.39	23.53	23.35	19.26	20.43	20.48
		25	0	22.92	22.91	22.86	20.93	22.06	21.98	22.36	23.51	23.38	19.26	20.47	20.39
	256QAM	1	0	20.95	20.96	20.99	18.91	18.99	**19.02**	20.46	20.35	20.31	17.21	17.27	**17.43**
		1	12	20.99	20.96	20.94	18.93	19.00	18.95	20.48	20.42	20.38	17.32	17.32	17.37
		1	24	**21.05**	21.03	20.99	18.98	19.01	18.98	**20.51**	20.42	20.41	17.36	17.32	17.40
		12	0	20.92	20.83	20.83	18.90	18.76	18.86	20.36	20.18	20.15	17.22	17.16	17.21
		12	6	20.92	20.89	20.92	18.93	18.75	18.87	20.36	20.25	20.14	17.24	17.16	17.24
		12	11	20.92	20.86	20.90	18.89	18.81	18.83	20.37	20.23	20.20	17.25	17.21	17.22
		25	0	20.92	20.89	20.90	18.90	18.75	18.85	20.36	20.23	20.14	17.23	17.16	17.20

OUTPUT POWER FOR LTE BAND 25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26090	26365	26640	26090	26365	26640	26090	26365	26640	26090	26365	26640
				1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
10.0	QPSK	1	0	25.59	25.55	25.52	23.36	23.23	23.22	25.16	25.09	25.16	22.56	22.46	22.50
		1	24	**25.70**	25.59	25.56	**23.40**	23.24	23.23	**25.20**	25.13	25.14	**22.60**	22.54	22.49
		1	49	25.60	25.55	25.53	23.34	23.23	23.19	25.18	25.06	25.12	22.55	22.52	22.42
		25	0	24.90	24.88	24.85	22.44	22.24	22.25	24.28	24.11	24.15	21.60	21.51	21.50
		25	12	25.00	24.89	24.93	22.47	22.24	22.32	24.30	24.20	24.15	21.67	21.52	21.48
		25	24	24.97	24.94	24.90	22.43	22.29	22.28	24.27	24.18	24.18	21.65	21.59	21.51
		50	0	24.97	24.97	24.92	22.43	22.24	22.31	24.27	24.17	24.13	21.64	21.50	21.44
	16QAM	1	0	25.25	25.24	25.23	22.70	22.61	22.68	24.52	24.46	24.58	21.88	21.93	21.87
		1	24	25.18	25.16	25.18	**22.73**	22.46	22.61	**24.61**	24.38	24.53	21.87	21.86	21.81
		1	49	**25.28**	25.22	25.18	22.72	22.56	22.65	24.51	24.42	24.52	21.92	**21.94**	21.77
		25	0	23.94	23.93	23.89	21.49	21.24	21.28	23.28	23.17	23.16	20.61	20.54	20.52
		25	12	24.00	23.92	23.96	21.48	21.25	21.34	23.29	23.24	23.15	20.69	20.54	20.50
		25	24	23.98	23.98	23.93	21.47	21.33	21.31	23.27	23.22	23.19	20.68	20.61	20.55
		50	0	24.00	24.00	23.96	21.45	21.21	21.32	23.28	23.19	23.14	20.67	20.46	20.48
	64QAM	1	0	24.16	24.10	24.16	**22.19**	22.05	22.03	**23.51**	23.40	23.35	20.44	20.42	20.42
		1	24	24.09	24.08	**24.18**	22.15	22.05	22.06	23.50	23.41	23.45	**20.56**	20.44	20.45
		1	49	24.13	24.08	24.17	22.12	22.03	22.02	23.49	23.38	23.38	20.54	20.46	20.43
		25	0	22.90	22.92	22.87	20.98	22.06	22.04	22.41	23.40	23.43	19.29	20.45	20.43
		25	12	22.99	22.93	22.93	20.98	22.07	22.09	22.42	23.44	23.37	19.35	20.48	20.41
		25	24	22.98	22.97	22.90	20.96	22.03	22.05	22.43	23.41	23.40	19.36	20.49	20.45
		50	0	22.96	22.98	22.92	20.95	22.08	22.08	22.40	23.44	23.41	19.34	20.47	20.44
	256QAM	1	0	20.98	21.00	20.83	18.99	18.92	18.75	20.42	20.24	20.19	17.24	17.33	17.25
		1	24	21.02	**21.11**	20.94	**19.12**	19.03	18.87	**20.46**	20.34	20.33	**17.41**	17.40	17.38
		1	49	20.97	21.01	20.89	19.02	18.96	18.81	20.35	20.23	20.24	17.34	17.34	17.30
		25	0	20.90	20.91	20.80	18.93	18.81	18.81	20.38	20.21	20.15	17.27	17.21	17.20
		25	12	20.97	20.91	20.90	18.96	18.82	18.81	20.40	20.28	20.18	17.33	17.22	17.22
		25	24	20.94	20.95	20.87	18.93	18.87	18.85	20.38	20.24	20.21	17.30	17.28	17.23
		50	0	20.94	20.94	20.88	18.93	18.80	18.78	20.38	20.25	20.14	17.30	17.20	17.18

OUTPUT POWER FOR LTE BAND 25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26115	26365	26615	26115	26365	26615	26115	26365	26615	26115	26365	26615
				1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
15.0	QPSK	1	0	25.67	25.64	25.56	23.37	23.20	23.26	**25.20**	25.08	25.18	22.56	22.47	**22.60**
		1	37	**25.70**	25.63	25.56	**23.40**	23.20	23.25	25.17	25.08	25.14	22.52	22.48	22.51
		1	74	25.63	25.59	25.49	23.35	23.20	23.07	25.16	25.04	25.02	22.47	22.44	22.41
		36	0	25.01	24.93	24.85	22.40	22.19	22.24	24.20	24.09	24.14	21.60	21.44	21.48
		36	16	25.02	24.94	24.87	22.42	22.19	22.30	24.27	24.09	24.12	21.61	21.47	21.55
		36	35	25.01	24.98	24.94	22.39	22.27	22.28	24.25	24.15	24.16	21.58	21.55	21.50
		75	0	24.98	24.97	24.94	22.38	22.24	22.28	24.25	24.12	24.08	21.56	21.45	21.51
	16QAM	1	0	25.20	25.20	25.18	22.67	22.51	22.63	24.49	24.43	**24.51**	21.84	21.79	21.82
		1	37	**25.33**	25.21	25.27	**22.72**	22.53	22.61	24.50	24.42	24.49	**21.88**	21.84	21.82
		1	74	25.18	25.19	25.15	22.64	22.48	22.52	24.50	24.28	24.30	21.72	21.75	21.67
		36	0	24.03	23.95	23.90	21.43	21.22	21.26	23.19	23.11	23.16	20.64	20.50	20.51
		36	16	24.05	23.95	23.90	21.45	21.23	21.32	23.31	23.10	23.13	20.63	20.51	20.58
		36	35	24.02	24.00	23.95	21.41	21.27	21.28	23.31	23.18	23.18	20.60	20.58	20.53
		75	0	24.01	24.03	23.95	21.42	21.28	21.32	23.25	23.17	23.11	20.60	20.49	20.56
	64QAM	1	0	24.25	24.27	24.13	**22.17**	21.92	21.85	23.42	23.27	23.29	20.51	20.44	20.46
		1	37	24.28	**24.31**	24.20	22.07	21.90	21.89	**23.45**	23.33	23.26	20.62	20.51	20.38
		1	74	24.27	24.20	24.12	22.05	21.94	21.90	23.42	23.33	23.32	**20.66**	20.45	20.44
		36	0	23.00	22.90	22.83	20.75	21.99	21.87	22.21	23.30	23.35	19.28	20.49	20.43
		36	16	23.00	22.92	22.85	20.84	21.89	21.87	22.32	23.26	23.31	19.34	20.42	20.49
		36	35	23.00	22.98	22.93	20.84	21.90	21.86	22.29	23.28	23.24	19.35	20.41	20.40
		75	0	23.00	22.98	22.89	20.84	21.89	21.87	22.28	23.33	23.33	19.30	20.49	20.44
	256QAM	1	0	20.91	20.91	20.82	18.82	18.85	18.82	20.34	20.27	20.24	17.18	17.36	17.25
		1	37	**21.00**	20.96	20.92	**18.90**	18.86	18.86	**20.39**	20.24	20.23	17.29	**17.37**	17.32
		1	74	20.91	20.88	20.81	18.84	18.82	18.80	20.28	20.20	20.21	17.30	17.31	17.29
		36	0	20.97	20.88	20.79	18.74	18.67	18.64	20.18	20.09	20.03	17.26	17.18	17.16
		36	16	20.98	20.88	20.79	18.83	18.69	18.74	20.28	20.16	20.12	17.29	17.18	17.24
		36	35	20.97	20.94	20.86	18.82	18.72	18.73	20.26	20.12	20.09	17.33	17.22	17.22
		75	0	20.96	20.95	20.87	18.81	18.67	18.75	20.27	20.15	20.10	17.30	17.18	17.21

OUTPUT POWER FOR LTE BAND 25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26140	26365	26590	26140	26365	26590	26140	26365	26590	26140	26365	26590
				1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0
20.0	QPSK	1	0	25.68	**25.70**	25.59	**23.40**	23.28	23.32	25.10	25.05	25.17	22.58	22.56	22.58
		1	49	25.66	25.68	25.54	23.25	23.22	23.27	**25.20**	25.07	25.07	22.59	22.56	**22.60**
		1	99	25.61	25.69	25.56	22.47	23.24	23.15	25.08	25.05	24.96	22.50	22.55	22.48
		50	0	24.97	25.02	24.87	22.45	22.27	22.31	24.15	24.06	24.12	21.58	21.58	21.60
		50	24	25.05	25.09	24.96	22.40	22.25	22.29	24.22	24.13	24.09	21.67	21.57	21.65
		50	49	25.02	25.06	24.93	22.42	22.30	22.30	24.19	24.09	24.11	21.62	21.64	21.58
		100	0	25.02	25.07	24.96	22.71	22.33	22.29	24.20	24.11	24.10	21.64	21.56	21.64
	16QAM	1	0	25.23	25.24	25.13	**23.03**	22.51	22.73	24.46	24.32	24.48	21.99	21.81	22.04
		1	49	25.36	**25.37**	25.26	22.63	22.61	22.84	**24.76**	24.45	24.71	**22.19**	22.08	**22.19**
		1	99	25.23	25.24	25.07	21.49	22.46	22.56	24.37	24.31	24.34	21.77	21.81	21.83
		50	0	23.98	24.04	23.90	21.46	21.29	21.33	23.15	23.07	23.11	20.61	20.58	20.64
		50	24	24.08	24.09	23.95	21.42	21.27	21.30	23.24	23.14	23.12	20.68	20.59	20.67
		50	49	24.05	24.03	23.91	21.44	21.35	21.34	23.19	23.10	23.12	20.65	20.66	20.62
		100	0	24.04	24.02	23.95	21.40	21.32	21.29	22.84	23.11	23.08	20.66	20.57	20.67
	64QAM	1	0	24.21	24.25	24.19	21.93	21.95	21.80	23.44	23.29	23.20	20.48	20.48	20.41
		1	49	24.22	**24.42**	24.40	**22.05**	21.92	21.84	**23.60**	23.34	23.24	**20.64**	20.43	20.35
		1	99	24.06	24.18	24.20	21.89	21.96	21.78	23.37	23.33	23.24	20.54	20.49	20.41
		50	0	22.97	22.97	22.86	20.75	21.89	21.77	22.22	23.33	23.24	19.31	20.48	20.34
		50	24	23.05	23.04	22.94	20.85	21.93	21.79	22.30	23.33	23.18	19.44	20.49	20.33
		50	49	23.01	22.98	22.90	20.80	21.92	21.79	22.25	23.35	23.17	19.42	20.45	20.39
		100	0	23.03	23.01	22.94	20.80	21.89	21.78	22.27	23.40	23.16	19.38	20.54	20.43
	256QAM	1	0	21.17	**21.24**	21.14	18.89	**18.94**	18.85	20.28	**20.40**	20.32	17.30	16.96	17.48
		1	49	21.12	21.20	20.98	18.91	18.91	18.84	20.26	20.29	20.26	17.39	16.95	17.45
		1	99	21.14	21.10	21.00	18.88	18.88	18.88	20.21	20.28	20.32	17.48	17.49	**17.51**
		50	0	20.92	20.92	20.84	18.74	18.70	18.65	20.21	20.12	20.02	17.27	17.28	17.23
		50	24	21.03	20.99	20.91	18.83	18.69	18.76	20.30	20.19	20.12	17.41	17.24	17.24
		50	49	21.01	20.94	20.90	18.78	18.72	18.73	20.24	20.14	20.09	17.41	17.28	17.30
		100	0	21.06	20.96	20.93	18.79	18.68	18.76	20.27	20.17	20.13	17.38	17.22	17.23

5G NR n25

Test Engineer ID:	52275	Test Date:	2/2/2022

OUTPUT POWER FOR 5G NR n25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				370500	376500	382500	370500	376500	382500	370500	376500	382500	370500	376500	382500
				1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
5.0	BPSK	1	0	25.41	25.47	25.44	23.04	22.95	22.91	24.94	24.82	24.84	22.35	22.19	22.18
		1	1	25.58	25.64	25.62	23.34	23.10	23.15	**25.20**	25.05	25.04	**22.56**	22.39	22.35
		1	23	25.57	**25.65**	25.61	**23.37**	23.10	23.14	25.16	24.99	25.04	22.53	22.42	22.35
		1	24	25.34	25.43	25.42	23.10	22.93	22.91	24.88	24.81	24.79	22.26	22.21	22.22
		12	6	25.53	25.63	25.63	23.22	23.10	23.17	25.02	25.02	25.04	22.48	22.36	22.40
		25	0	25.28	25.37	25.37	23.00	22.87	22.89	24.77	24.75	24.80	22.24	22.11	22.15
	QPSK	1	0	24.86	24.68	24.97	22.66	22.47	22.46	24.37	24.31	24.31	21.87	21.74	21.68
		1	1	25.63	25.61	25.63	**23.40**	23.17	23.19	25.12	25.06	24.98	**22.60**	22.41	22.38
		1	23	25.56	25.55	**25.70**	23.37	23.17	23.20	**25.14**	24.97	25.04	22.53	22.45	22.42
		1	24	24.88	24.54	24.99	22.58	22.44	22.49	24.38	23.99	24.31	21.84	21.72	21.71
		12	6	25.55	25.49	25.66	23.23	23.06	23.17	24.99	25.01	25.03	22.47	22.37	22.41
		25	0	24.73	24.45	24.98	22.56	22.41	22.49	24.16	23.98	24.30	21.75	21.66	21.72
	16QAM	1	0	24.08	23.88	24.17	21.48	21.66	21.66	23.14	23.57	23.51	21.06	20.94	20.89
		1	1	25.05	24.90	**25.19**	22.47	22.64	**22.72**	24.23	**24.54**	24.48	**22.09**	21.91	21.88
		1	23	25.10	24.72	25.12	22.49	22.64	22.69	24.18	24.21	**24.54**	22.06	21.95	21.85
		1	24	24.05	23.71	24.13	21.53	21.67	21.60	23.23	23.16	23.53	20.99	20.91	20.91
		12	6	24.81	24.72	24.87	22.51	22.34	22.35	24.18	24.16	24.28	21.75	21.52	21.66
		25	0	23.76	23.57	23.97	21.55	21.41	21.37	23.24	23.21	23.23	20.71	20.64	20.70
	64QAM	1	0	23.54	23.56	23.60	21.25	21.08	20.97	23.06	22.96	22.96	**20.48**	20.34	20.37
		1	1	23.57	**23.61**	23.58	**21.26**	21.08	21.07	**23.07**	22.96	22.94	**20.48**	20.36	20.38
		1	23	23.48	23.36	23.57	21.23	21.07	21.04	23.02	22.83	22.88	20.37	20.29	20.30
		1	24	23.47	23.42	23.54	21.23	21.01	21.03	22.90	22.81	22.89	20.40	20.35	20.33
		12	6	23.30	23.26	23.36	20.97	20.84	20.76	22.77	22.74	22.74	20.18	20.14	20.15
		25	0	23.32	23.13	23.39	21.01	20.91	20.92	22.81	22.78	22.76	20.26	20.16	20.21
	256QAM	1	0	21.26	21.36	21.37	**19.12**	18.92	18.86	20.90	20.84	20.84	**18.31**	18.15	18.24
		1	1	21.26	**21.50**	21.45	**19.12**	18.84	18.91	20.86	20.83	20.79	18.25	18.20	18.22
		1	23	21.25	21.39	21.37	19.10	18.89	18.91	20.92	20.85	20.76	18.20	18.08	18.15
		1	24	21.32	21.38	21.36	19.04	18.79	18.86	20.83	**20.93**	20.80	18.19	18.16	18.13
		12	6	21.28	21.35	21.40	18.99	18.87	18.90	20.82	20.84	20.75	18.25	18.14	18.23
		25	0	21.31	21.43	21.36	18.99	18.88	18.84	20.76	20.80	20.78	18.22	18.11	18.23

OUTPUT POWER FOR 5G NR n25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				371000	376500	382000	371000	376500	382000	371000	376500	382000	371000	376500	382000
				1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
10.0	BPSK	1	0	25.45	25.43	25.51	23.14	23.03	23.05	24.65	24.77	24.77	22.30	22.08	22.16
		1	1	25.57	25.68	25.62	**23.38**	23.24	23.24	24.92	25.02	24.98	**22.60**	22.37	22.39
		1	50	25.54	25.66	25.66	23.33	23.20	23.26	24.90	24.97	24.87	22.55	22.37	22.40
		1	51	25.37	25.41	25.51	23.05	22.99	23.08	24.74	24.76	24.22	22.37	22.18	22.22
		25	12	25.57	**25.70**	25.58	23.25	23.15	23.25	25.02	25.04	**25.11**	**22.60**	22.46	22.37
		50	0	25.44	25.12	25.46	23.08	23.03	23.10	24.22	23.88	24.45	22.39	22.34	22.19
	QPSK	1	0	24.40	24.08	24.68	22.72	22.55	22.51	22.61	22.90	22.65	21.53	21.78	21.73
		1	1	25.44	25.13	**25.66**	**23.40**	23.33	23.38	23.67	23.93	23.70	22.47	**22.56**	22.40
		1	50	25.61	24.60	25.63	23.37	23.23	22.98	24.01	23.61	23.06	22.53	22.45	22.44
		1	51	24.69	23.66	24.55	22.65	22.54	21.94	22.86	22.51	22.06	21.76	21.37	21.63
		25	12	25.59	25.58	**25.66**	23.37	23.26	23.31	25.03	24.28	**25.20**	22.53	22.51	22.41
		50	0	24.84	24.41	24.95	22.70	22.55	22.59	23.96	23.09	23.76	21.85	21.78	21.73
	16QAM	1	0	24.04	24.06	24.08	21.87	21.75	21.75	22.94	22.71	22.66	20.62	20.98	21.03
		1	1	25.00	25.06	**25.24**	22.87	22.77	22.84	24.00	23.72	23.69	21.67	**22.04**	21.95
		1	50	25.16	24.78	25.20	**22.88**	22.68	22.81	**24.63**	23.52	23.37	21.64	21.96	21.93
		1	51	24.15	23.77	24.26	21.84	21.67	21.75	23.50	22.47	22.33	20.49	20.97	20.97
		25	12	24.88	24.71	24.86	22.61	22.46	22.63	24.17	23.42	24.54	21.73	21.81	21.69
		50	0	23.84	23.71	23.88	21.68	21.59	21.56	23.06	22.45	23.24	20.73	20.81	20.80
	64QAM	1	0	23.46	23.69	23.57	21.22	21.14	21.24	22.56	22.55	22.60	20.38	20.42	**20.52**
		1	1	23.46	23.63	**23.72**	**21.32**	21.20	21.19	22.55	22.59	22.65	20.34	20.39	20.47
		1	50	23.43	23.45	23.35	21.27	21.13	21.22	**23.05**	22.25	22.50	20.29	20.50	20.41
		1	51	23.40	23.44	23.48	21.16	21.01	21.13	22.86	22.25	22.34	20.27	20.44	20.44
		25	12	23.37	23.30	23.31	21.19	21.05	21.12	22.77	22.01	22.94	20.21	20.32	20.40
		50	0	23.41	23.22	23.45	21.19	21.04	21.11	22.66	22.01	22.84	20.22	20.37	20.38
	256QAM	1	0	21.36	**21.50**	21.31	19.08	18.98	18.99	20.83	20.79	**20.91**	18.20	18.19	18.22
		1	1	21.33	21.41	21.32	19.09	18.93	19.05	20.90	20.67	20.90	18.17	18.14	18.26
		1	50	21.34	21.46	21.25	19.01	18.96	18.93	20.85	20.68	20.83	18.23	18.12	18.18
		1	51	21.27	21.39	21.27	19.04	18.88	18.96	20.74	20.73	20.83	18.19	18.16	18.21
		25	12	21.32	21.45	21.46	**19.16**	18.95	19.00	20.90	20.61	20.87	18.22	18.13	**18.29**
		50	0	21.41	**21.50**	**21.50**	**19.16**	19.03	19.05	20.88	20.64	20.86	18.21	18.12	**18.29**

OUTPUT POWER FOR 5G NR n25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				371500	376500	381500	371500	376500	381500	371500	376500	381500	371500	376500	381500
				1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
15.0	BPSK	1	0	25.48	25.52	25.41	23.17	23.10	23.04	24.84	24.85	24.94	22.41	22.19	22.25
		1	1	25.69	**25.70**	25.62	**23.35**	23.28	23.19	25.07	25.03	25.08	**22.60**	22.45	22.45
		1	77	25.61	25.65	25.56	23.26	23.21	23.21	25.11	**25.20**	24.45	22.55	22.35	22.41
		1	78	25.39	25.50	25.44	23.04	23.04	22.91	24.92	24.95	23.80	22.30	22.19	22.27
		36	18	25.58	25.58	25.52	23.25	23.11	23.09	24.98	25.03	25.12	22.41	22.29	22.36
		75	0	22.95	25.42	25.39	23.08	22.97	22.96	20.30	24.26	25.00	22.31	22.14	22.22
	QPSK	1	0	21.47	24.68	24.93	22.75	22.60	22.46	18.96	23.50	23.57	21.43	21.76	21.81
		1	1	22.66	**25.68**	**25.68**	**23.40**	23.26	23.16	20.13	24.43	24.49	22.48	22.46	22.48
		1	77	22.68	25.40	25.61	23.30	23.27	23.03	19.88	24.28	23.30	**22.58**	22.44	22.46
		1	78	21.53	24.35	24.59	22.67	22.49	21.96	18.80	23.27	22.33	21.85	21.81	21.77
		36	18	25.61	25.37	25.61	23.26	23.13	23.19	**24.99**	24.13	24.50	22.53	22.34	22.46
		75	0	24.98	24.53	24.74	22.62	22.49	22.52	24.40	23.28	23.76	21.85	21.67	21.79
	16QAM	1	0	24.18	24.25	24.16	22.04	21.76	21.67	23.09	23.03	23.33	21.11	20.94	21.04
		1	1	25.20	**25.32**	25.19	**23.03**	22.81	22.64	24.15	23.97	24.30	**22.15**	21.85	22.10
		1	77	25.15	24.97	24.96	22.81	22.70	22.74	**24.71**	24.01	23.06	22.09	21.91	21.97
		1	78	24.19	24.00	23.97	21.83	21.74	21.63	23.60	22.84	22.11	21.06	20.87	20.94
		36	18	24.89	24.52	24.87	22.55	22.37	22.51	24.29	23.22	23.77	21.71	21.62	21.75
		75	0	23.86	23.72	23.85	21.59	21.46	21.54	23.44	22.51	22.79	20.72	20.59	20.79
	64QAM	1	0	**23.76**	23.72	23.61	21.30	21.16	21.18	22.69	22.71	22.82	20.33	20.40	20.48
		1	1	23.73	23.73	23.50	**21.36**	21.09	21.05	22.65	22.63	22.80	**20.49**	20.38	20.28
		1	77	23.64	23.58	23.51	21.25	21.07	21.13	**23.01**	22.66	21.87	20.36	20.33	20.45
		1	78	23.53	23.62	23.49	21.21	21.08	21.23	**23.01**	22.74	21.87	20.26	20.31	20.39
		36	18	23.43	23.18	23.32	21.04	20.94	20.93	22.77	21.80	22.35	20.17	20.10	20.16
		75	0	23.41	23.27	23.44	21.07	20.95	21.00	22.91	22.07	22.59	20.20	20.14	20.23
	256QAM	1	0	21.42	21.51	21.37	**19.14**	19.04	19.03	20.90	20.79	20.95	**18.22**	18.10	18.17
		1	1	21.52	**21.53**	21.40	**19.14**	18.93	19.03	**20.96**	20.82	20.87	18.20	18.15	18.15
		1	77	21.46	21.48	21.36	19.07	18.81	18.89	20.82	20.74	20.85	18.10	18.13	18.15
		1	78	21.32	21.30	21.29	19.03	18.90	18.99	20.92	20.83	20.94	18.09	18.16	18.13
		36	18	21.41	21.40	21.35	19.03	18.93	18.91	20.79	20.43	20.94	18.17	18.08	18.11
		75	0	21.38	21.38	21.36	19.05	18.90	18.93	20.82	20.57	20.90	18.12	18.11	18.09

OUTPUT POWER FOR 5G NR n25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				372000	376500	381000	372000	376500	381000	372000	376500	381000	372000	376500	381000
				1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0
20.0	BPSK	1	0	25.44	25.49	25.40	23.13	23.02	22.93	24.78	24.78	24.88	22.36	22.27	22.34
		1	1	**25.70**	**25.70**	25.62	**23.40**	23.25	23.23	25.13	25.00	25.14	22.58	22.36	22.52
		1	104	25.68	25.63	25.62	23.28	23.16	23.21	25.13	25.07	24.40	22.46	22.39	**22.60**
		1	105	25.53	25.43	25.42	23.08	23.01	23.06	24.90	24.92	23.75	22.27	22.17	22.46
		50	25	25.66	25.65	25.57	23.27	23.20	23.24	25.14	25.11	**25.20**	22.56	22.35	**22.60**
		100	0	22.87	25.45	24.98	23.14	23.04	23.04	19.99	24.45	22.33	22.37	22.21	22.45
	QPSK	1	0	21.32	24.56	23.75	22.31	22.59	22.50	18.50	23.38	17.61	18.62	21.74	21.87
		1	1	22.40	25.54	24.88	**23.38**	23.21	23.23	19.82	24.33	18.90	19.73	22.44	22.55
		1	104	22.52	25.26	24.43	23.35	23.21	23.27	19.43	24.15	18.61	19.88	22.45	22.53
		1	105	21.48	24.19	23.33	22.38	22.54	22.39	18.32	23.09	17.48	18.69	21.77	21.42
		50	25	**25.65**	25.39	25.62	23.31	23.20	23.23	**25.12**	24.04	24.57	22.54	22.41	**22.59**
		100	0	24.94	24.61	24.73	22.61	22.54	22.54	24.39	23.27	23.85	21.85	21.74	21.85
	16QAM	1	0	23.91	24.26	23.99	21.89	21.85	21.67	23.12	23.12	23.54	21.18	20.91	20.95
		1	1	24.91	25.15	25.10	**22.94**	22.77	22.72	24.12	23.91	24.48	22.02	22.07	21.99
		1	104	**25.31**	25.13	24.67	22.82	22.80	22.71	**24.54**	23.86	23.14	21.92	21.90	**22.08**
		1	105	24.18	24.02	23.60	21.78	21.72	21.78	23.60	22.83	22.21	20.94	20.98	21.15
		50	25	24.88	24.65	24.90	22.60	22.45	22.51	24.39	23.22	23.86	21.74	21.64	21.83
		100	0	23.99	23.79	23.93	21.66	21.49	21.62	23.45	22.70	23.13	20.80	20.72	20.91
	64QAM	1	0	**23.69**	23.66	23.59	21.22	21.14	21.12	22.63	22.87	23.06	20.49	20.35	20.56
		1	1	23.64	23.59	23.57	**21.29**	21.18	21.10	22.64	22.92	**23.21**	20.56	20.51	20.43
		1	104	**23.69**	23.59	23.58	21.23	21.04	21.26	23.05	22.77	22.15	20.34	20.50	20.54
		1	105	23.68	23.66	23.46	21.18	21.11	21.21	22.93	22.67	22.17	20.40	20.26	**20.58**
		50	25	23.45	23.22	23.38	21.12	20.93	20.99	22.88	21.87	22.44	20.25	20.25	20.34
		100	0	23.44	23.36	23.43	21.12	21.03	21.06	22.92	22.18	22.65	20.31	20.26	20.38
	256QAM	1	0	21.48	**21.53**	21.43	19.01	19.07	18.93	20.87	20.94	**21.09**	18.21	18.31	**18.47**
		1	1	21.42	21.51	21.43	**19.11**	18.95	18.89	21.00	20.83	20.94	18.17	18.09	18.35
		1	104	21.41	21.28	21.23	19.05	18.87	19.01	20.85	20.82	20.83	18.21	18.24	18.24
		1	105	21.50	21.29	21.25	18.98	19.00	18.89	20.75	20.81	20.76	18.14	18.22	18.19
		50	25	21.40	21.42	21.39	19.06	18.99	19.00	20.80	20.47	20.96	18.22	18.18	18.30
		100	0	21.40	21.43	21.38	19.05	18.96	18.97	20.83	20.78	20.93	18.18	18.39	18.32

OUTPUT POWER FOR 5G NR n25 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				372500	376500	380500	372500	376500	380500	372500	376500	380500	372500	376500	380500
				1862.5	1882.5	1902.5	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5
25.0	BPSK	1	0	25.46	25.50	25.42	23.09	23.02	23.05	24.94	24.77	24.86	22.38	22.27	22.25
		1	1	25.68	25.69	25.67	**23.37**	23.30	23.25	25.16	24.99	25.06	**22.53**	22.48	22.43
		1	132	**25.70**	25.60	25.59	23.25	23.15	23.31	25.10	25.03	24.29	22.42	22.51	22.46
		1	131	25.45	25.47	25.40	23.00	22.94	23.07	24.95	24.94	23.67	22.21	22.38	22.34
		64	32	25.62	25.63	25.58	23.28	23.19	23.19	**25.20**	25.10	25.04	22.46	22.43	22.46
		128	0	22.86	25.44	25.34	23.06	22.97	22.94	19.85	24.89	24.65	20.38	22.19	22.13
	QPSK	1	0	21.48	25.06	24.09	22.74	22.61	22.54	18.57	24.42	23.73	18.80	21.83	18.79
		1	1	22.65	**25.70**	25.26	**23.40**	23.28	23.27	19.91	25.11	24.77	19.93	22.50	19.95
		1	132	22.89	25.65	24.55	23.31	23.20	23.27	19.94	**25.20**	23.18	20.23	**22.60**	19.16
		1	131	21.86	24.94	23.46	22.58	22.52	22.46	18.81	24.48	22.29	19.13	21.91	18.00
		64	32	25.61	25.39	25.61	23.29	23.17	23.17	25.06	24.03	24.63	22.48	22.46	22.47
		128	0	24.88	24.91	24.88	22.57	22.51	22.47	24.43	23.80	22.93	21.75	21.77	21.80
	16QAM	1	0	24.17	24.18	24.12	21.94	21.78	21.79	23.34	23.63	22.60	21.07	20.95	20.95
		1	1	25.16	25.22	25.22	**22.87**	22.79	22.76	24.35	24.55	23.71	22.08	22.09	21.92
		1	132	**25.25**	25.17	25.01	22.75	22.66	22.81	**24.61**	24.57	22.31	22.02	**22.10**	21.99
		1	131	24.25	24.24	24.02	21.80	21.72	21.81	23.62	23.62	21.26	20.93	21.14	21.07
		64	32	24.89	24.60	24.94	22.60	22.48	22.50	24.43	23.22	24.17	21.81	21.79	21.87
		128	0	23.88	23.91	23.90	21.59	21.52	21.47	23.40	22.90	23.43	20.82	20.77	20.71
	64QAM	1	0	23.54	**23.68**	23.56	21.14	21.12	21.14	22.73	22.93	**23.15**	**20.62**	20.40	20.31
		1	1	23.52	23.67	23.54	**21.33**	21.10	21.09	22.73	23.04	23.10	20.56	20.36	20.53
		1	132	23.56	23.46	23.53	21.03	21.23	21.26	23.04	**23.15**	22.32	20.54	20.53	20.45
		1	131	23.56	23.54	23.57	21.13	21.29	21.03	22.99	23.01	22.18	20.33	20.29	20.54
		64	32	23.38	23.26	23.32	20.99	20.92	20.92	22.85	21.89	22.78	20.25	20.21	20.30
		128	0	23.39	23.40	23.37	21.03	20.97	21.00	22.92	22.43	22.65	20.33	20.23	20.30
	256QAM	1	0	21.53	**21.58**	21.44	19.06	19.07	19.07	20.89	20.95	20.90	18.38	18.28	18.27
		1	1	21.48	21.55	21.40	19.17	**19.22**	19.07	**20.96**	20.90	20.87	**18.41**	18.20	18.17
		1	132	21.38	21.43	21.36	18.96	19.16	19.03	20.69	20.77	20.58	18.19	18.19	18.14
		1	131	21.51	21.35	21.36	18.92	19.11	19.02	20.69	20.77	20.61	18.18	18.20	18.18
		64	32	21.36	21.35	21.37	18.99	18.98	18.99	20.78	20.47	20.80	18.31	18.16	18.26
		128	0	21.39	21.42	21.38	19.05	19.00	19.04	20.75	20.79	20.78	18.31	18.20	18.27

OUTPUT POWER FOR 5G NR n25 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				373000	376500	380000	373000	376500	380000	373000	376500	380000	373000	376500	380000
				1865.0	1882.5	1900.0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0
30.0	BPSK	1	0	25.34	25.42	25.20	23.08	23.03	23.07	24.70	24.75	24.57	22.28	22.23	22.28
		1	1	25.54	25.49	25.60	23.26	23.13	23.24	25.06	24.96	25.08	**22.60**	22.42	22.46
		1	158	25.57	**25.70**	25.45	23.19	23.16	**23.34**	24.95	25.04	24.06	22.48	22.56	22.52
		1	159	25.36	25.45	25.30	23.12	22.96	23.14	24.31	24.90	23.42	22.30	22.30	22.33
		80	40	25.44	25.51	25.40	23.20	23.26	23.25	25.02	**25.11**	**25.11**	22.48	22.45	22.45
		160	0	25.30	25.34	25.30	23.05	23.09	23.12	24.90	24.96	24.97	22.33	22.28	22.29
	QPSK	1	0	24.25	24.89	24.58	22.67	22.60	22.64	23.06	24.52	23.02	21.45	21.77	21.56
		1	1	25.28	25.51	25.47	23.29	23.21	23.31	24.09	25.11	24.12	22.47	22.46	22.51
		1	158	25.17	**25.59**	25.57	23.28	23.31	**23.40**	23.75	**25.20**	23.29	22.34	**22.58**	22.34
		1	159	24.10	24.92	24.78	22.65	22.66	22.65	22.76	24.35	22.29	21.28	21.91	21.25
		80	40	25.47	25.31	25.49	23.22	23.29	23.34	25.08	24.00	25.16	22.49	22.47	22.50
		160	0	24.79	24.48	24.87	22.53	22.60	22.62	24.40	23.58	18.92	21.79	21.75	21.81
	16QAM	1	0	23.95	24.08	23.77	21.88	21.84	21.84	23.03	23.42	16.93	21.11	21.17	21.03
		1	1	25.00	25.05	24.80	22.73	22.83	**22.89**	23.96	**24.43**	18.22	**22.14**	21.94	22.04
		1	158	24.90	**25.21**	24.84	22.83	22.83	22.36	23.74	24.41	17.01	22.02	22.06	21.97
		1	159	23.92	24.09	23.81	21.77	21.73	21.26	22.78	23.42	16.00	20.98	21.05	21.13
		80	40	24.79	24.59	24.76	22.51	22.56	22.59	24.32	23.25	24.36	21.77	21.74	21.78
		160	0	23.78	23.82	23.81	21.54	21.61	21.57	23.38	22.97	23.07	20.77	20.77	20.79
	64QAM	1	0	23.33	23.50	23.22	21.15	21.29	21.19	22.55	23.06	22.36	20.47	**20.59**	20.40
		1	1	23.38	23.50	23.27	21.05	21.27	21.19	22.62	**23.18**	22.37	20.40	20.54	20.43
		1	158	23.46	**23.51**	23.46	21.31	**21.34**	**21.34**	22.42	23.10	22.08	20.44	20.51	20.58
		1	159	**23.51**	**23.51**	23.45	21.23	21.33	21.27	22.50	23.10	21.93	20.38	20.46	20.49
		80	40	23.25	23.26	23.29	20.98	21.02	20.99	22.80	21.86	22.80	20.25	20.23	20.21
		160	0	23.30	23.31	23.30	21.04	21.06	21.02	22.85	22.73	22.48	20.28	20.30	20.28
	256QAM	1	0	21.35	21.38	21.22	19.20	19.06	19.04	21.00	20.96	20.76	18.28	**18.34**	18.31
		1	1	21.30	21.39	**21.40**	19.16	19.18	19.02	**21.02**	20.91	20.81	18.33	18.31	18.28
		1	158	21.32	21.33	21.26	19.13	**19.23**	18.95	20.81	20.96	20.52	18.16	18.26	18.26
		1	159	21.31	21.33	21.25	18.94	19.16	18.92	20.70	20.85	20.50	18.12	18.28	18.29
		80	40	21.22	21.34	21.25	18.89	19.04	18.89	20.75	20.43	20.72	18.20	18.21	18.27
		160	0	21.22	21.27	21.28	18.92	19.03	18.93	20.76	20.88	20.81	18.24	18.22	**18.34**

OUTPUT POWER FOR 5G NR n25 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				374000	376500	379000	374000	376500	379000	374000	376500	379000	374000	376500	379000
				1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0
40.0	BPSK	1	0	25.38	25.37	25.33	23.07	23.11	23.11	24.83	24.74	24.67	22.38	22.38	22.29
		1	1	25.51	25.53	25.52	**23.32**	23.19	23.21	**25.20**	25.07	25.04	22.56	22.57	22.45
		1	214	**25.70**	25.42	25.50	23.22	23.30	**23.32**	24.99	25.18	23.89	22.51	22.47	**22.60**
		1	215	25.33	25.30	25.35	23.03	23.10	23.16	24.90	24.86	23.30	22.24	22.36	22.33
		108	54	25.59	25.52	25.58	23.12	23.27	23.24	25.06	25.16	25.18	22.49	22.42	22.45
		216	0	25.49	25.34	25.43	22.97	22.45	20.78	24.93	25.04	19.23	22.33	22.27	19.98
	QPSK	1	0	24.53	24.88	24.94	22.66	19.36	19.74	23.63	24.07	18.28	21.78	21.81	18.89
		1	1	25.54	25.57	25.60	**23.40**	20.49	20.82	24.65	25.01	19.54	**22.58**	22.48	20.07
		1	214	25.63	25.56	25.49	23.25	20.42	19.78	24.93	24.27	17.82	22.47	22.57	18.88
		1	215	24.70	24.97	24.99	22.59	19.57	18.24	23.97	23.25	16.74	21.76	21.79	17.53
		108	54	**25.64**	25.56	25.52	23.25	23.33	23.25	**25.19**	24.63	25.15	22.50	22.49	22.48
		216	0	24.85	23.42	24.92	22.59	22.65	22.59	23.24	23.81	23.93	21.82	21.82	21.84
	16QAM	1	0	23.80	22.94	24.10	21.86	21.84	21.85	22.38	23.76	23.30	21.21	21.16	20.95
		1	1	24.82	24.04	24.90	**22.91**	22.80	22.77	23.43	**24.88**	24.17	**22.12**	22.03	22.01
		1	214	24.84	23.81	**25.13**	22.82	22.82	22.63	23.57	23.73	23.18	**22.12**	22.11	22.10
		1	215	23.78	22.61	23.94	21.65	21.90	21.55	22.50	22.83	22.15	21.17	21.03	21.11
		108	54	24.92	24.54	24.87	22.50	22.55	22.55	24.47	23.58	24.23	21.82	21.78	21.81
		216	0	23.93	23.87	23.92	21.60	21.67	21.58	23.33	23.29	22.84	20.85	20.85	20.84
	64QAM	1	0	23.66	23.33	23.54	21.18	21.15	21.21	22.56	**23.18**	22.65	20.58	20.38	20.40
		1	1	23.52	23.37	**23.74**	21.21	21.27	21.37	22.57	23.02	22.73	**20.59**	**20.59**	20.55
		1	214	23.55	23.50	23.44	21.13	**21.41**	21.29	22.93	22.81	22.86	20.50	20.56	20.50
		1	215	23.29	23.34	23.47	21.17	21.31	21.22	22.93	22.69	22.82	20.44	20.53	20.32
		108	54	23.43	23.40	23.28	20.97	21.12	21.04	22.72	22.07	22.72	20.26	20.27	20.31
		216	0	23.40	23.39	23.33	20.99	21.09	21.08	22.78	22.57	22.73	20.33	20.33	20.28
	256QAM	1	0	21.35	21.30	**21.59**	19.15	19.03	19.13	20.98	21.02	20.84	**18.55**	18.35	18.32
		1	1	21.11	21.32	21.44	19.16	19.21	19.16	20.83	**21.07**	20.74	18.48	18.28	18.34
		1	214	21.36	21.36	21.26	19.08	19.18	**19.31**	20.79	20.98	20.87	18.34	18.41	18.44
		1	215	21.45	21.31	21.38	19.19	19.14	19.21	20.88	20.92	20.81	18.16	18.41	18.20
		108	54	21.40	21.39	21.35	18.96	19.05	19.03	20.72	20.62	20.58	18.25	18.24	18.30
		216	0	21.43	21.43	21.41	19.11	19.14	19.04	20.75	20.81	20.67	18.28	18.31	18.29

8.8. LTE BAND 26 AND 5G NR n26

LTE BAND 26

Test Engineer ID:	39004	Test Date:	1/31/2022

OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26697	26740	26783	26697	26740	26783
				814.7	819.0	823.3	814.7	819.0	823.3
1.4	QPSK	1	0	25.57	25.53	25.63	24.55	24.60	24.59
		1	2	**25.70**	25.56	25.66	24.67	**24.70**	24.60
		1	5	25.64	25.63	25.62	24.64	24.67	24.66
		3	0	25.65	25.53	25.62	24.66	24.65	24.66
		3	1	25.66	25.63	25.64	24.67	24.66	24.67
		3	2	25.64	25.62	25.61	24.69	24.66	24.66
		6	0	24.94	24.90	24.91	23.65	23.63	23.65
	16QAM	1	0	25.20	25.11	25.24	23.77	23.91	23.87
		1	2	25.23	25.22	**25.30**	23.87	**23.98**	23.97
		1	5	25.25	25.24	25.18	23.83	23.91	23.96
		3	0	25.10	25.01	25.13	23.78	23.79	23.82
		3	1	25.12	25.09	25.10	23.77	23.84	23.84
		3	2	25.11	25.07	25.10	23.81	23.82	23.82
		6	0	24.01	24.00	23.99	22.72	22.71	22.74
	64QAM	1	0	24.12	24.11	24.08	22.88	22.75	22.80
		1	2	24.18	24.18	24.10	**23.04**	22.94	22.88
		1	5	**24.21**	24.16	23.99	22.92	22.86	22.72
		3	0	24.05	23.94	24.05	22.77	22.83	22.74
		3	1	24.05	24.01	24.08	22.78	22.85	22.74
		3	2	24.05	24.01	24.07	22.77	22.83	22.74
		6	0	22.91	22.95	22.95	21.76	21.67	21.72
	256QAM	1	0	20.98	20.90	20.94	19.75	19.68	19.64
		1	2	**21.13**	20.94	21.01	19.75	19.74	19.73
		1	5	21.03	20.95	20.95	19.76	19.68	19.71
		3	0	20.97	20.85	20.92	19.69	19.69	19.70
		3	1	20.99	20.94	20.93	19.65	19.73	19.72
		3	2	21.00	20.94	20.93	19.69	19.69	19.68
		6	0	21.03	21.02	**21.13**	**19.80**	19.66	19.56

OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26705	26740	26775	26705	26740	26775
				815.5	819.0	822.5	815.5	819.0	822.5
3.0	QPSK	1	0	25.59	25.55	25.57	24.59	24.52	24.59
		1	7	**25.70**	25.67	25.65	**24.70**	24.63	24.67
		1	14	25.59	25.54	25.60	24.59	24.57	24.58
		8	0	24.99	24.86	24.97	23.66	23.58	23.58
		8	4	25.01	24.96	24.97	23.69	23.67	23.71
		8	7	25.00	24.93	24.97	23.71	23.65	23.68
		15	0	24.97	24.94	24.94	23.66	23.63	23.63
	16QAM	1	0	25.17	25.15	25.16	23.91	23.96	23.91
		1	7	**25.30**	25.26	25.28	24.01	**24.03**	23.99
		1	14	25.18	25.19	25.20	23.94	23.91	23.94
		8	0	24.02	23.90	24.00	22.76	22.64	22.63
		8	4	24.04	24.01	24.02	22.79	22.77	22.74
		8	7	24.05	24.00	24.01	22.79	22.76	22.73
		15	0	23.98	23.92	23.96	22.72	22.68	22.67
	64QAM	1	0	24.20	24.18	24.14	22.85	22.78	22.89
		1	7	**24.28**	24.23	24.20	**22.96**	22.92	22.93
		1	14	24.25	24.15	24.07	22.83	22.82	22.91
		8	0	22.99	22.85	22.99	21.71	21.60	21.64
		8	4	23.01	22.97	23.03	21.74	21.71	21.75
		8	7	23.00	22.97	23.04	21.74	21.70	21.75
		15	0	22.99	22.99	22.98	21.67	21.68	21.69
	256QAM	1	0	21.00	21.00	21.03	19.69	19.71	19.80
		1	7	**21.14**	21.12	21.11	**19.85**	**19.85**	19.83
		1	14	20.99	21.06	21.08	19.78	19.75	19.66
		8	0	20.95	20.85	20.95	19.66	19.58	19.56
		8	4	20.99	20.95	20.95	19.68	19.65	19.68
		8	7	20.99	20.95	20.99	19.68	19.67	19.68
		15	0	20.94	20.91	20.90	19.67	19.61	19.64

OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26715	26740	26765	26715	26740	26765
				816.5	819.0	821.5	816.5	819.0	821.5
5.0	QPSK	1	0	25.58	25.55	25.55	24.60	24.53	24.56
		1	12	25.67	25.65	**25.70**	**24.70**	24.65	24.67
		1	24	25.61	25.54	25.58	24.61	24.55	24.57
		12	0	24.86	24.83	24.85	23.56	23.54	23.56
		12	6	24.95	24.94	24.95	23.67	23.60	23.68
		12	11	24.92	24.89	24.92	23.62	23.60	23.62
		25	0	24.93	24.88	24.91	23.63	23.59	23.62
	16QAM	1	0	25.30	25.21	25.24	23.99	23.95	23.94
		1	12	**25.41**	25.27	25.38	24.05	24.03	**24.07**
		1	24	25.29	25.27	25.28	23.99	23.97	23.94
		12	0	23.86	23.91	23.84	22.61	22.53	22.69
		12	6	23.95	24.00	23.96	22.70	22.61	22.79
		12	11	23.93	23.96	23.92	22.66	22.57	22.74
		25	0	23.95	23.97	23.95	22.68	22.59	22.66
	64QAM	1	0	24.22	24.17	24.24	22.87	22.79	22.85
		1	12	24.20	**24.28**	24.23	22.88	22.88	**22.93**
		1	24	24.21	24.20	24.16	22.85	22.83	22.82
		12	0	22.86	22.79	22.89	21.56	21.50	21.62
		12	6	22.97	22.90	23.00	21.63	21.60	21.71
		12	11	22.93	22.86	22.99	21.62	21.56	21.68
		25	0	22.92	22.93	22.99	21.62	21.61	21.64
	256QAM	1	0	21.03	21.07	21.02	19.69	19.66	19.67
		1	12	21.09	21.14	**21.18**	19.76	**19.77**	19.72
		1	24	21.06	21.10	21.13	19.71	19.70	19.70
		12	0	20.85	20.85	20.89	19.54	19.53	19.55
		12	6	20.93	20.91	20.97	19.62	19.64	19.67
		12	11	20.93	20.91	20.95	19.61	19.59	19.64
		25	0	20.92	20.90	20.94	19.61	19.61	19.64

OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	26740	N/A	N/A	26740	N/A
				N/A	819.0	N/A	N/A	819.0	N/A
10.0	QPSK	1	0		**25.70**			**24.70**	
		1	24		25.67			24.67	
		1	49		25.69			24.65	
		25	0		25.00			23.68	
		25	12		25.06			23.73	
		25	24		25.04			23.74	
		50	0		25.06			23.75	
	16QAM	1	0		**25.41**			**24.18**	
		1	24		25.27			24.07	
		1	49		25.36			24.10	
		25	0		24.05			22.72	
		25	12		24.11			22.78	
		25	24		24.11			22.75	
		50	0		24.08			22.76	
	64QAM	1	0		**24.31**			22.80	
		1	24		24.27			**22.90**	
		1	49		24.25			22.84	
		25	0		22.99			21.67	
		25	12		23.08			21.72	
		25	24		23.07			21.71	
		50	0		23.08			21.71	
	256QAM	1	0		21.10			19.74	
		1	24		**21.11**			**19.81**	
		1	49		21.08			19.77	
		25	0		21.00			19.65	
		25	12		21.06			19.71	
		25	24		21.04			19.71	
		50	0		21.04			19.70	

5G NR n26

Test Engineer ID:	39004	Test Date:	1/31/2022

OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				163300	163800	164300	163300	163800	164300
				816.5	819.0	821.5	816.5	819.0	821.5
5.0	BPSK	1	0	23.80	24.20	24.14	22.91	23.11	23.00
		1	1	25.41	25.33	25.63	24.55	24.57	24.38
		1	23	25.54	25.47	25.63	24.54	24.59	24.53
		1	24	24.11	24.15	24.17	23.19	23.20	23.19
		12	6	**25.66**	25.62	25.59	24.60	24.56	**24.69**
		25	0	25.39	25.35	25.34	24.38	24.30	24.18
	QPSK	1	0	23.77	23.76	23.65	22.81	22.76	22.70
		1	1	25.68	25.68	25.65	24.65	24.66	24.64
		1	23	25.68	25.66	**25.70**	24.61	24.56	24.64
		1	24	23.68	23.79	23.75	22.77	22.80	22.78
		12	6	25.67	25.63	25.64	24.63	24.56	**24.70**
		25	0	24.95	24.91	24.52	23.92	23.86	23.98
	16QAM	1	0	23.00	22.96	22.76	22.07	21.99	21.97
		1	1	25.16	25.22	25.14	**24.24**	24.14	24.16
		1	23	25.19	**25.24**	25.20	24.22	24.19	24.22
		1	24	22.89	23.00	22.91	21.98	21.99	21.98
		12	6	24.85	24.75	24.80	23.92	23.81	23.85
		25	0	23.93	23.92	23.95	22.87	22.83	22.97
	64QAM	1	0	22.38	22.29	22.31	21.30	21.24	21.36
		1	1	23.58	23.55	23.54	22.55	22.51	22.54
		1	23	23.52	**23.62**	23.54	22.51	22.52	**22.60**
		1	24	22.18	22.37	22.30	21.30	21.36	21.44
		12	6	23.32	23.38	23.45	22.35	22.34	22.38
		25	0	23.39	23.42	23.43	22.23	22.48	22.43
	256QAM	1	0	20.20	20.17	20.17	19.08	18.76	19.19
		1	1	21.45	**21.53**	21.32	20.29	19.96	20.30
		1	23	21.34	21.47	21.37	20.21	20.04	20.42
		1	24	20.04	20.17	20.14	19.06	18.82	19.23
		12	6	21.37	21.49	21.43	20.39	20.15	**20.44**
		25	0	21.40	21.38	21.47	20.31	20.05	20.41

OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				NA	163800	NA	NA	163800	NA
				NA	819.0	NA	NA	819.0	NA
10.0	BPSK	1	0		24.10			23.20	
		1	1		25.44			24.66	
		1	50		25.55			**24.67**	
		1	51		24.20			23.14	
		25	12		**25.65**			24.63	
		50	0		25.46			24.49	
	QPSK	1	0		23.94			22.68	
		1	1		25.65			24.69	
		1	50		25.61			24.59	
		1	51		23.77			22.64	
		25	12		**25.70**			**24.70**	
		50	0		25.00			23.98	
	16QAM	1	0		23.15			22.01	
		1	1		**25.33**			24.19	
		1	50		25.17			**24.22**	
		1	51		23.04			21.90	
		25	12		24.96			23.98	
		50	0		23.99			23.00	
	64QAM	1	0		22.50			21.36	
		1	1		**23.71**			**22.70**	
		1	50		23.56			22.45	
		1	51		22.49			21.17	
		25	12		23.44			22.48	
		50	0		23.51			22.51	
	256QAM	1	0		20.39			19.29	
		1	1		**21.53**			20.46	
		1	50		21.38			20.35	
		1	51		20.16			19.09	
		25	12		21.48			**20.49**	
		50	0		21.49			20.48	

8.9. LTE BAND 30 AND 5G NR n30

LTE BAND 30

Test Engineer ID:	39004	Test Date:	1/31/2022

OUTPUT POWER FOR LTE BAND 30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				27685	27710	27735	27685	27710	27735	27685	27710	27735	27685	27710	27735
				2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5
5.0	QPSK	1	0	25.09	25.56	25.55	23.14	23.09	23.06	22.93	22.89	22.92	23.08	23.02	23.09
		1	12	25.17	25.69	**25.70**	23.19	23.18	**23.20**	**23.10**	23.05	23.04	**23.20**	23.17	23.18
		1	24	25.09	25.60	25.62	23.11	23.10	23.11	22.94	22.90	22.97	23.11	23.07	23.07
		12	0	24.37	24.89	24.89	22.09	22.12	22.05	21.87	21.85	21.86	21.99	22.08	22.00
		12	6	24.42	24.94	25.02	22.15	22.16	22.08	22.00	21.96	21.89	22.10	22.14	22.13
		12	11	24.92	24.91	25.00	22.08	22.11	22.15	21.95	21.92	21.93	22.05	22.10	22.11
		25	0	24.93	24.88	24.99	22.10	22.11	22.05	21.95	21.93	21.86	22.08	22.08	22.07
	16QAM	1	0	25.32	25.36	25.37	22.48	22.55	22.52	22.28	22.36	22.33	22.42	22.44	22.49
		1	12	**25.43**	25.42	**25.43**	22.64	22.67	**22.69**	22.48	22.46	**22.50**	**22.64**	22.61	22.58
		1	24	25.36	25.33	25.38	22.48	22.54	22.58	22.30	22.39	22.34	22.48	22.47	22.49
		12	0	24.03	24.00	23.93	21.18	21.23	21.11	20.85	20.93	20.90	20.98	21.10	21.02
		12	6	24.08	24.06	24.05	21.22	21.26	21.18	20.97	21.03	20.93	21.12	21.14	21.14
		12	11	24.06	24.03	24.01	21.20	21.24	21.22	20.93	21.01	20.97	21.06	21.10	21.09
		25	0	23.92	23.95	24.03	21.13	21.15	21.08	20.94	21.00	20.94	21.14	21.11	21.11
	64QAM	1	0	24.20	24.17	24.23	21.46	21.40	21.36	20.17	20.04	20.07	21.92	21.79	21.90
		1	12	24.23	24.22	24.29	**21.52**	21.43	21.41	**20.21**	20.04	20.05	**21.98**	21.78	21.91
		1	24	24.22	24.23	**24.30**	21.41	21.35	21.40	20.10	20.03	20.08	21.93	21.78	21.90
		12	0	23.03	22.93	22.92	20.16	20.11	20.04	18.78	20.06	20.05	20.53	21.82	21.89
		12	6	23.09	23.01	23.03	20.24	20.19	20.09	18.90	20.06	20.04	20.65	21.78	21.93
		12	11	23.03	22.97	23.02	20.19	20.13	20.15	18.85	20.05	20.07	20.62	21.83	21.92
		25	0	22.89	22.89	22.96	20.13	20.12	20.06	18.84	20.04	20.07	20.62	21.82	21.91
	256QAM	1	0	20.93	20.94	20.92	18.27	18.15	18.13	16.80	16.87	16.87	18.64	18.70	18.79
		1	12	21.01	21.04	**21.10**	**18.36**	18.31	18.28	16.97	17.00	**17.01**	18.83	18.85	**18.92**
		1	24	20.89	20.96	20.98	18.28	18.18	18.22	16.83	16.88	16.93	18.72	18.76	18.84
		12	0	20.86	20.87	20.85	18.12	18.08	18.01	16.77	16.76	16.71	18.47	18.69	18.58
		12	6	20.93	20.92	20.98	18.16	18.13	18.07	16.87	16.85	16.76	18.64	18.72	18.72
		12	11	20.90	20.88	20.96	18.12	18.09	18.13	16.84	16.82	16.80	18.62	18.71	18.68
		25	0	20.87	20.86	20.95	18.13	18.08	18.03	16.81	16.79	16.71	18.59	18.67	18.67

OUTPUT POWER FOR LTE BAND 30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A
				N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A
10.0	QPSK	1	0		25.68			23.17			23.01			23.18	
		1	24		**25.70**			23.19			**23.10**			**23.20**	
		1	49		25.69			**23.20**			23.07			23.19	
		25	0		24.99			22.18			21.99			22.13	
		25	12		25.03			22.20			22.10			22.20	
		25	24		25.01			22.18			22.05			22.19	
		50	0		25.01			22.17			21.99			22.19	
	16QAM	1	0		25.37			22.52			22.36			**22.53**	
		1	24		25.28			22.45			**22.43**			22.52	
		1	49		**25.43**			**22.62**			22.36			22.50	
		25	0		24.00			21.23			21.02			21.17	
		25	12		24.02			21.24			21.10			21.25	
		25	24		23.99			21.23			21.08			21.24	
		50	0		24.00			21.20			21.00			21.20	
	64QAM	1	0		**24.34**			21.48			20.25			21.90	
		1	24		24.31			**21.51**			**20.26**			21.90	
		1	49		24.32			21.49			20.22			**21.92**	
		25	0		22.99			19.69			18.87			20.71	
		25	12		23.01			19.73			18.97			20.81	
		25	24		22.96			19.70			18.88			20.77	
		50	0		22.99			19.69			18.86			20.75	
	256QAM	1	0		21.02			17.80			16.93			18.77	
		1	24		**21.12**			**17.94**			**17.07**			**18.97**	
		1	49		21.05			17.82			16.92			18.79	
		25	0		20.98			17.73			16.85			18.69	
		25	12		21.01			17.76			16.94			18.79	
		25	24		20.96			17.79			16.89			18.74	
		50	0		20.95			17.66			16.84			18.73	

5G NR n30

Test Engineer ID:	52275	Test Date:	2/11/2022

OUTPUT POWER FOR 5G NR n30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				461500	462000	462500	461500	462000	462500	461500	462000	462500	461500	462000	462500
				2307.5	2310	2312.5	2307.5	2310	2312.5	2307.5	2310	2312.5	2307.5	2310	2312.5
5.0	BPSK	1	0	19.74	19.75	19.71	17.31	17.27	17.27	17.91	17.83	17.89	17.32	17.27	17.28
		1	1	19.72	19.75	19.73	17.50	17.49	17.50	18.06	18.03	18.10	17.47	17.49	17.50
		1	23	19.68	19.72	19.65	17.50	17.45	17.47	18.05	18.04	18.06	17.45	17.48	17.49
		1	24	19.75	19.75	19.70	17.25	17.24	17.22	17.91	17.84	17.84	17.27	17.29	17.28
		12	6	25.61	25.66	**25.67**	**23.18**	23.14	23.15	23.08	23.02	**23.09**	23.10	**23.16**	**23.16**
		25	0	25.35	25.38	25.36	22.49	22.50	22.49	22.80	22.83	22.80	22.43	22.49	22.50
	QPSK	1	0	19.75	19.75	19.73	16.78	16.75	16.70	17.37	17.33	17.39	16.74	16.77	16.80
		1	1	19.72	19.69	19.72	17.42	17.46	17.43	18.10	18.00	18.04	17.43	17.50	17.50
		1	23	19.69	19.75	19.74	17.48	17.48	17.50	18.08	18.05	18.06	17.43	17.45	17.48
		1	24	19.75	19.73	19.76	16.68	16.79	16.75	17.34	17.41	17.33	16.76	16.77	16.77
		12	6	25.69	**25.70**	25.66	23.18	23.18	**23.20**	23.07	23.05	**23.10**	23.08	**23.20**	23.14
		25	0	24.93	24.97	24.97	22.43	22.45	22.45	22.31	22.31	22.27	22.39	22.45	22.45
	16QAM	1	0	19.72	19.72	19.75	16.43	16.50	16.37	16.69	17.03	17.13	16.44	16.48	16.49
		1	1	19.71	19.72	19.70	17.38	17.42	17.42	17.76	18.08	18.00	17.45	17.50	17.47
		1	23	19.66	19.74	19.75	17.38	17.50	17.37	17.65	18.10	17.97	17.44	17.50	17.42
		1	24	19.71	19.73	19.75	16.34	16.41	16.44	16.82	17.11	16.96	16.39	16.35	16.43
		12	6	24.91	24.96	**25.05**	**22.47**	22.39	22.37	22.30	**22.40**	22.36	22.30	22.40	**22.48**
		25	0	23.89	23.94	23.99	21.37	21.41	21.44	21.38	21.44	21.32	21.39	21.45	21.45
	64QAM	1	0	19.70	19.75	19.64	17.36	17.45	17.45	18.03	18.03	18.10	17.42	17.41	17.48
		1	1	19.70	19.65	19.72	17.47	17.50	17.49	17.99	18.01	18.10	17.44	17.32	17.50
		1	23	19.63	19.75	19.61	17.48	17.44	17.42	18.04	18.03	18.04	17.43	17.30	17.41
		1	24	19.53	19.62	19.72	17.40	17.36	17.41	18.10	18.02	17.94	17.34	17.31	17.29
		12	6	23.47	23.40	**23.50**	20.84	20.85	20.85	20.95	20.94	**20.97**	20.83	20.80	20.80
		25	0	23.48	23.43	**23.50**	20.79	20.83	**20.92**	20.88	20.85	20.90	**20.91**	20.80	**20.91**
	256QAM	1	0	19.72	19.75	19.75	17.27	17.28	17.33	17.95	17.90	18.03	17.38	17.35	17.45
		1	1	19.67	19.71	19.75	17.27	17.35	17.36	18.00	17.89	18.00	17.47	17.35	17.50
		1	23	19.64	19.66	19.71	17.50	17.35	17.45	18.10	17.95	18.02	17.44	17.40	17.46
		1	24	19.71	19.67	19.73	17.40	17.31	17.32	17.99	17.89	17.96	17.45	17.37	17.46
		12	6	**21.46**	**21.46**	21.40	18.89	18.90	**18.95**	18.77	18.83	18.82	18.90	18.71	**18.94**
		25	0	21.41	21.41	21.40	18.92	18.84	18.92	18.80	18.84	**18.93**	18.87	18.89	18.88

OUTPUT POWER FOR 5G NR n30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A
				N/A	2310	N/A	N/A	2310	N/A	N/A	2310	N/A	N/A	2310	N/A
10.0	BPSK	1	0		20.53			17.65			17.92			17.56	
		1	1		20.68			17.54			18.10			17.54	
		1	50		20.76			17.65			18.08			17.56	
		1	51		20.51			17.43			18.10			17.38	
		25	12		**25.62**			**23.20**			22.94			**23.14**	
		50	0		25.06			22.65			**23.10**			20.88	
	QPSK	1	0		20.69			17.65			18.10			17.56	
		1	1		20.72			17.64			18.10			17.46	
		1	50		20.76			17.65			18.09			17.56	
		1	51		20.76			17.63			17.98			17.36	
		25	12		**25.70**			**23.18**			**23.01**			**23.20**	
		50	0		24.98			22.52			22.30			22.56	
	16QAM	1	0		20.57			17.65			18.10			17.56	
		1	1		20.73			17.54			18.05			17.56	
		1	50		20.76			17.65			18.10			17.52	
		1	51		20.76			17.63			17.60			17.36	
		25	12		**25.00**			**22.52**			**22.20**			**22.48**	
		50	0		23.93			21.44			21.30			21.44	
	64QAM	1	0		20.76			17.65			18.10			17.56	
		1	1		20.52			17.52			18.10			17.56	
		1	50		20.76			17.65			18.05			17.34	
		1	51		20.66			17.65			18.03			17.39	
		25	12		23.43			20.97			**20.90**			**21.00**	
		50	0		**23.48**			**21.02**			20.75			20.92	
	256QAM	1	0		20.76			17.65			18.10			17.53	
		1	1		20.74			17.58			18.03			17.50	
		1	50		20.76			17.65			18.10			17.56	
		1	51		20.69			17.62			18.00			17.48	
		25	12		**21.39**			**18.97**			18.76			**18.95**	
		50	0		**21.39**			18.94			**18.86**			18.91	

8.10. LTE BAND 41 AND 5G NR n41

LTE BAND 41

Test Engineer ID:	39004	Test Date:	2/3/2022

OUTPUT POWER FOR LTE BAND 41 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39675	40620	41565	39675	40620	41565	39675	40620	41565	39675	40620	41565
				2498.5	2593.0	2687.5	2498.5	2593.0	2687.5	2498.5	2593.0	2687.5	2498.5	2593.0	2687.5
5.0	QPSK	1	0	27.01	28.61	27.62	22.94	28.62	27.92	23.26	27.83	26.58	26.62	27.62	26.62
		1	12	27.39	**28.70**	27.70	28.00	**28.70**	28.00	26.57	**28.00**	26.68	26.70	**27.70**	26.70
		1	24	27.70	28.62	27.68	27.92	28.63	27.99	26.59	27.91	26.63	26.65	27.69	26.65
		12	0	26.50	27.42	26.75	23.22	27.56	27.31	22.47	26.93	25.68	25.56	26.91	25.56
		12	6	26.70	27.44	26.77	27.24	27.58	27.35	22.60	27.29	25.73	25.61	26.96	25.61
		12	11	26.69	27.43	26.70	27.15	27.53	27.31	25.61	27.23	25.69	25.55	26.93	25.55
		25	0	26.47	27.42	26.72	23.17	27.34	27.32	22.49	27.27	25.70	25.57	26.90	25.57
	16QAM	1	0	26.43	28.25	27.09	22.70	28.28	27.82	22.61	27.63	26.02	25.99	27.54	25.99
		1	12	26.81	28.33	27.21	27.65	28.36	27.86	25.90	**27.68**	26.07	26.04	**27.63**	26.04
		1	24	27.07	28.31	27.20	27.64	28.34	27.84	25.91	27.64	26.05	26.09	27.61	26.09
		12	0	25.59	28.37	25.74	23.20	28.33	26.44	21.58	26.29	24.81	24.55	26.00	24.55
		12	6	25.87	**28.40**	25.83	26.24	28.33	26.48	21.70	26.32	24.82	24.59	25.99	24.59
		12	11	25.81	28.39	25.78	26.17	28.30	26.42	24.71	26.26	24.79	24.53	25.95	24.53
		25	0	25.58	28.36	25.73	25.17	**28.40**	26.34	21.50	26.27	24.78	24.59	25.91	24.59
	64QAM	1	0	25.83	27.61	23.13	23.47	27.56	26.77	21.29	26.14	26.94	21.88	26.09	24.69
		1	12	25.90	**27.68**	26.15	23.50	27.62	26.75	**27.00**	26.09	**27.00**	25.20	**26.10**	24.65
		1	24	25.86	27.63	26.13	23.51	27.57	26.71	26.89	26.11	**27.00**	25.31	26.03	24.66
		12	0	24.75	26.42	21.86	23.53	27.60	25.56	25.80	26.14	26.95	20.95	26.02	24.66
		12	6	24.76	26.44	21.86	23.52	**27.63**	25.55	25.82	26.12	**27.00**	21.10	26.03	24.62
		12	11	24.76	26.43	24.74	23.53	27.55	25.54	25.74	26.17	26.96	24.07	26.09	24.71
		25	0	24.65	26.40	21.76	23.51	27.61	25.49	25.59	26.17	26.98	20.82	26.08	24.68
	256QAM	1	0	19.51	24.09	22.46	20.50	24.61	23.57	19.73	23.06	23.83	18.72	22.94	21.64
		1	12	22.58	**24.18**	22.59	23.60	**24.67**	23.63	23.82	23.10	**23.96**	22.11	**22.98**	21.73
		1	24	22.55	24.08	22.44	23.46	24.57	23.52	23.74	23.04	23.82	22.16	22.90	21.63
		12	0	19.49	23.98	22.33	20.38	24.51	23.48	23.70	22.96	23.79	18.80	22.91	21.55
		12	6	19.54	24.01	22.40	20.43	24.53	23.52	23.73	22.99	23.82	18.94	22.94	21.58
		12	11	22.43	23.96	22.33	23.34	24.50	23.49	23.61	22.96	23.78	21.91	22.90	21.53
		25	0	19.41	23.98	22.36	20.30	24.49	23.47	23.60	23.00	23.77	18.81	22.89	21.52

OUTPUT POWER FOR LTE BAND 41 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39700	40620	41540	39700	40620	41540	39700	40620	41540	39700	40620	41540
				2501.0	2593.0	2685.0	2501.0	2593.0	2685.0	2501.0	2593.0	2685.0	2501.0	2593.0	2685.0
10.0	QPSK	1	0	22.64	27.76	27.67	23.28	28.30	28.00	26.94	27.86	26.04	21.76	**27.70**	21.62
		1	24	27.70	28.00	27.70	28.00	28.32	27.99	27.00	**28.00**	26.10	24.86	27.68	21.89
		1	49	27.63	**28.70**	27.65	27.98	28.21	27.87	26.90	27.88	26.00	26.70	27.47	22.43
		25	0	23.70	27.57	26.77	24.31	28.39	27.35	26.04	27.29	25.14	23.06	27.06	26.29
		25	12	26.73	27.60	26.80	27.34	**28.70**	27.39	26.05	27.33	25.15	26.16	27.06	26.35
		25	24	25.64	27.53	26.75	26.29	28.40	27.39	25.99	27.27	25.09	25.21	27.06	26.28
		50	0	23.71	27.58	26.76	24.28	28.37	27.37	25.59	26.89	24.69	23.09	27.03	26.33
	16QAM	1	0	22.04	28.48	27.06	22.59	**28.52**	27.67	26.33	27.61	25.43	21.09	**27.49**	26.70
		1	24	27.07	28.48	27.12	27.71	28.50	27.67	26.26	**27.71**	25.36	26.56	27.38	26.69
		1	49	26.97	28.40	27.06	27.66	27.57	27.62	26.23	27.60	25.33	26.63	27.20	26.44
		25	0	22.76	28.57	25.79	23.39	27.36	26.36	25.10	26.39	24.20	22.08	26.11	25.41
		25	12	25.79	**28.59**	25.84	26.40	27.34	26.38	25.13	26.41	24.23	25.30	26.14	25.44
		25	24	24.70	28.51	25.78	25.31	27.37	26.43	25.05	26.35	24.15	24.26	26.11	25.34
		50	0	22.71	28.57	25.82	23.23	27.35	26.38	25.07	26.34	24.17	22.07	26.11	25.38
	64QAM	1	0	20.95	26.82	25.94	21.61	27.68	26.66	22.27	27.52	26.97	19.93	26.35	25.55
		1	24	25.97	**26.86**	26.02	21.62	27.69	26.65	27.36	**27.58**	26.92	25.47	26.35	25.56
		1	49	25.89	26.74	25.94	21.65	27.69	26.58	27.29	**27.58**	26.94	25.51	26.32	25.57
		25	0	21.75	26.61	24.80	21.60	27.70	25.44	23.13	27.53	26.97	21.02	26.33	25.57
		25	12	24.78	26.64	24.85	21.65	27.70	25.48	26.17	**27.58**	26.95	24.22	**26.36**	25.55
		25	24	23.68	26.55	24.79	21.61	27.69	25.49	25.10	27.54	27.00	23.21	26.30	25.55
		50	0	21.73	26.58	24.76	21.59	**27.71**	25.48	23.06	27.56	27.00	21.10	26.35	25.57
	256QAM	1	0	17.55	24.30	22.44	18.60	**24.55**	23.63	19.20	24.41	23.89	16.95	**23.29**	22.46
		1	24	22.58	**24.34**	22.45	23.63	24.53	23.64	24.23	**24.54**	23.93	22.31	23.26	22.49
		1	49	22.43	24.15	22.39	23.49	24.46	23.48	24.08	24.40	23.87	22.34	23.16	22.35
		25	0	19.44	24.18	22.37	20.49	24.47	23.48	21.14	24.37	23.79	19.01	23.11	22.39
		25	12	22.41	24.18	22.42	23.54	24.51	23.49	24.16	24.40	23.82	22.21	23.14	22.42
		25	24	21.41	24.12	22.34	22.45	24.52	23.50	23.11	24.36	23.79	21.22	23.18	22.35
		50	0	19.39	24.17	22.42	20.43	24.48	23.49	21.03	24.35	23.83	19.07	23.12	22.38

OUTPUT POWER FOR LTE BAND 41 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39725	40620	41515	39725	40620	41515	39725	40620	41515	39725	40620	41515
				2503.5	2593.0	2682.5	2503.5	2593.0	2682.5	2503.5	2593.0	2682.5	2503.5	2593.0	2682.5
15.0	QPSK	1	0	22.66	28.28	27.70	23.29	28.10	27.89	21.45	27.98	26.51	21.29	**27.70**	23.70
		1	37	27.67	28.25	27.69	28.00	28.05	28.00	26.85	**28.00**	26.33	26.65	27.57	26.66
		1	74	27.70	28.20	27.68	27.90	27.94	27.79	27.00	27.96	27.00	26.70	26.88	24.48
		36	0	26.82	**28.70**	26.75	23.36	**28.70**	27.31	21.83	27.38	25.87	21.66	27.07	26.42
		36	16	26.84	28.29	26.77	27.38	28.16	27.29	25.99	27.39	25.87	25.77	27.05	26.40
		36	35	23.70	28.22	26.70	24.28	28.07	27.23	22.97	27.31	25.80	22.81	27.02	26.39
		75	0	22.81	28.27	26.75	23.31	28.16	27.29	21.80	27.10	25.86	21.79	27.04	26.40
	16QAM	1	0	22.11	28.50	27.06	22.56	28.60	27.54	20.79	**27.74**	25.53	20.65	27.22	26.70
		1	37	27.10	28.57	26.95	27.77	28.36	27.51	26.25	27.73	25.56	26.06	**27.41**	26.57
		1	74	26.99	**28.61**	27.10	27.75	**28.68**	27.48	26.30	27.71	25.51	26.15	26.87	26.63
		36	0	21.82	27.34	25.78	22.37	27.19	26.31	20.88	26.41	24.24	20.68	26.15	25.55
		36	16	25.84	27.33	25.80	26.43	27.16	26.31	25.03	26.43	24.24	24.87	26.12	25.53
		36	35	22.73	27.26	25.73	23.27	27.11	26.23	22.00	26.36	24.16	21.83	26.12	25.53
		75	0	21.82	27.32	25.76	22.27	27.16	26.29	21.02	26.41	24.20	20.80	26.10	25.53
	64QAM	1	0	21.01	**27.70**	26.11	21.55	27.46	26.66	19.93	26.31	24.43	19.53	26.41	25.72
		1	37	26.00	27.62	26.08	21.54	27.53	26.59	25.14	26.36	24.42	25.24	**26.43**	25.76
		1	74	25.93	27.66	26.10	21.49	**27.57**	26.61	25.11	**26.39**	24.46	25.35	26.39	25.75
		36	0	20.84	26.32	24.75	21.59	27.55	25.45	19.81	26.36	24.46	19.63	26.41	25.66
		36	16	24.86	26.32	24.76	21.56	27.55	25.44	23.83	26.37	24.50	23.81	26.42	25.75
		36	35	21.73	26.24	24.71	21.62	27.55	25.38	20.71	26.36	24.47	20.80	26.42	25.76
		75	0	20.82	26.29	24.75	21.61	27.54	25.48	19.72	26.33	24.41	19.77	26.35	25.75
	256QAM	1	0	17.64	**24.01**	22.37	18.68	**24.55**	23.41	16.92	23.15	21.21	16.47	**23.33**	22.72
		1	37	22.73	4.34	22.38	23.70	24.51	23.40	21.92	**23.19**	21.21	21.87	23.20	22.54
		1	74	22.51	23.76	22.31	23.58	24.43	23.26	21.85	23.12	21.30	21.96	23.14	22.39
		36	0	18.46	23.76	22.30	19.57	24.35	23.44	17.85	23.07	21.21	17.66	23.09	22.51
		36	16	22.44	23.85	22.28	23.55	24.32	23.40	21.83	23.07	21.21	21.84	23.05	22.50
		36	35	19.39	23.70	22.22	20.45	24.18	23.34	18.71	23.00	21.15	18.80	23.06	22.48
		75	0	18.41	23.80	22.31	19.47	24.26	23.45	17.77	23.06	21.23	17.78	23.07	22.49

OUTPUT POWER FOR LTE BAND 41 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39750	40620	41490	39750	40620	41490	39750	40620	41490	39750	40620	41490
				2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0
20.0	QPSK	1	0	22.73	28.30	27.66	23.28	28.19	27.99	21.49	**28.00**	27.00	21.38	**27.70**	25.59
		1	49	27.70	**28.70**	27.62	28.00	28.10	27.97	27.00	27.91	26.92	26.70	27.58	26.39
		1	99	27.66	28.30	27.70	27.95	28.11	27.98	26.99	27.92	26.99	26.64	27.60	25.61
		50	0	22.78	28.33	26.68	23.36	28.22	27.36	21.68	26.99	25.69	21.71	27.03	26.09
		50	24	26.82	28.33	26.71	27.34	**28.70**	27.30	26.00	27.29	26.00	25.80	26.97	26.07
		50	49	23.67	28.23	26.63	24.30	28.05	27.21	22.54	26.90	25.48	22.84	26.80	25.96
		100	0	22.70	28.32	26.71	23.29	28.22	27.31	21.97	27.24	25.98	21.76	26.98	26.06
	16QAM	1	0	22.19	28.27	27.07	22.70	28.50	27.70	20.83	27.60	26.39	20.75	**27.46**	26.70
		1	49	27.31	27.70	27.18	27.75	28.30	28.00	26.49	**27.71**	26.52	26.05	27.29	26.52
		1	99	27.09	**28.32**	27.12	27.70	**28.54**	27.67	26.35	27.52	26.35	26.03	27.34	26.45
		50	0	21.80	27.34	25.71	22.37	27.23	26.34	20.85	26.27	24.99	20.75	26.06	25.22
		50	24	25.83	27.34	25.73	26.35	27.21	26.35	25.03	26.29	25.01	24.84	26.07	25.18
		50	49	22.69	27.24	25.64	23.30	27.11	26.23	21.99	26.20	24.91	21.85	25.94	25.05
		100	0	21.71	27.32	25.71	22.31	27.19	26.30	20.92	26.22	24.95	20.75	26.04	25.17
	64QAM	1	0	20.83	27.58	25.87	21.75	27.58	26.79	19.85	26.10	25.15	19.26	26.08	25.16
		1	49	25.95	**27.84**	25.93	21.75	27.57	26.79	25.03	26.10	25.20	25.12	26.05	25.19
		1	99	25.71	27.60	25.91	21.73	27.59	26.75	25.03	26.10	25.10	25.03	26.08	25.16
		50	0	20.74	26.33	24.69	21.78	**27.60**	25.47	19.67	**26.12**	25.09	19.52	26.01	25.19
		50	24	24.78	26.33	24.71	21.79	27.58	25.50	23.64	26.06	25.10	23.64	26.04	25.20
		50	49	21.65	26.23	24.61	21.72	27.59	25.39	20.60	26.08	25.16	20.64	**26.09**	25.20
		100	0	20.68	26.33	24.74	21.68	27.56	25.48	19.60	26.10	25.13	19.54	26.02	25.20
	256QAM	1	0	17.71	**24.02**	22.47	18.75	**24.40**	23.73	16.88	23.15	22.11	16.43	**23.10**	22.15
		1	49	22.68	23.71	22.40	23.68	24.27	23.69	21.86	23.02	22.05	21.88	22.99	22.01
		1	99	22.55	23.96	22.36	23.68	24.29	23.67	21.84	**23.17**	22.03	21.92	23.08	22.02
		50	0	18.47	23.86	22.27	19.59	24.33	23.50	17.73	22.88	21.95	17.52	22.87	22.03
		50	24	22.45	23.84	22.25	23.52	24.34	23.52	21.63	22.91	21.97	21.63	22.86	21.99
		50	49	19.32	23.74	22.17	20.46	24.25	23.39	18.57	22.82	21.87	18.63	22.76	21.87
		100	0	18.46	23.83	22.24	19.50	24.33	23.51	17.64	22.89	21.95	17.55	22.85	21.98

5G NR n41

Test Engineer ID:	52275	Test Date:	2/3/2022

OUTPUT POWER FOR 5G NR n41 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				501200	518600	536000	501200	518600	536000	501200	518600	536000	501200	518600	536000
				2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0
20.0	BPSK	1	0	22.36	26.81	25.01	22.06	25.20	24.01	20.64	24.33	23.24	20.96	25.87	23.48
		1	1	22.41	**28.70**	27.82	22.11	28.60	27.70	20.66	27.66	27.00	20.94	27.88	26.53
		1	49	28.00	28.67	27.84	27.70	**28.70**	26.10	26.82	**27.70**	25.75	26.70	**28.00**	26.70
		1	50	24.30	26.98	25.18	24.00	25.48	24.26	23.27	24.29	23.43	23.71	25.94	23.78
		25	12	24.28	28.33	27.81	23.98	28.59	27.04	23.09	27.54	26.66	23.45	27.65	26.47
		50	0	24.38	28.19	27.87	24.08	28.43	26.80	23.08	27.35	26.39	23.43	27.23	26.34
	QPSK	1	0	21.89	26.63	24.97	21.59	25.36	23.98	20.13	24.30	23.25	20.47	25.68	23.57
		1	1	21.92	28.36	27.77	21.62	**28.69**	27.29	20.20	**27.59**	26.38	20.45	27.61	26.02
		1	49	27.99	**28.50**	27.97	27.69	28.20	25.79	27.00	27.37	25.49	26.62	**27.84**	26.06
		1	50	24.31	26.82	25.25	24.01	25.36	24.29	23.27	24.43	23.44	23.58	25.80	23.75
		25	12	23.36	28.43	27.87	23.06	28.54	26.72	22.07	27.56	26.35	22.43	27.67	26.44
		50	0	23.33	28.34	27.59	23.03	27.87	26.25	22.03	26.89	25.78	22.40	27.67	26.11
	16QAM	1	0	21.92	26.63	25.28	21.62	25.49	24.08	20.22	24.53	23.40	20.51	25.75	23.73
		1	1	21.82	28.39	27.82	21.52	**28.08**	26.80	20.19	**27.30**	26.06	20.47	27.70	26.32
		1	49	26.87	**28.46**	28.00	26.57	28.06	25.46	26.02	27.08	25.18	25.92	**27.76**	26.44
		1	50	24.35	26.72	25.55	24.05	25.60	24.38	23.39	24.61	23.57	23.59	25.78	23.98
		25	12	22.83	28.40	27.70	22.53	27.86	26.19	21.51	26.86	25.70	21.83	27.67	26.06
		50	0	22.84	28.43	26.60	22.54	26.84	25.64	21.48	25.81	24.72	21.88	27.67	25.08
	64QAM	1	0	21.51	26.79	25.01	21.21	25.48	24.10	19.75	24.63	23.33	20.14	25.89	23.62
		1	1	21.62	**27.81**	26.22	21.32	26.46	25.08	19.85	25.60	24.49	20.23	26.88	24.81
		1	49	25.94	27.57	26.48	25.64	**26.58**	24.84	24.53	**25.69**	24.79	24.89	**26.95**	24.90
		1	50	24.63	26.78	25.42	24.33	25.59	24.35	23.40	24.67	23.55	23.82	26.01	23.91
		25	12	22.86	27.62	26.11	22.56	26.24	24.97	21.57	25.37	24.26	21.94	26.75	24.53
		50	0	22.82	27.70	26.10	22.52	26.28	24.94	21.49	25.34	24.27	21.89	26.78	24.58
	256QAM	1	0	20.00	25.54	23.94	19.70	24.20	22.67	18.04	**23.44**	22.19	18.51	24.73	22.39
		1	1	19.96	25.71	23.93	19.66	24.23	22.85	18.01	23.36	22.12	18.50	24.70	22.33
		1	49	23.29	**25.72**	24.06	22.99	**24.24**	23.05	22.15	23.20	22.29	22.69	24.67	22.74
		1	50	23.43	25.59	24.21	23.13	24.23	23.11	22.22	23.23	22.43	22.77	**24.83**	22.72
		25	12	21.29	25.51	24.06	20.99	24.16	22.92	20.05	23.31	22.21	20.39	24.64	22.59
		50	0	21.35	25.62	24.06	21.05	24.18	23.00	20.01	23.24	22.22	20.37	24.71	22.65

OUTPUT POWER FOR 5G NR n41 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				502200	518600	525000	502200	518600	525000	502200	518600	525000	502200	518600	525000
				2511.0	2593.0	2675.0	2511.0	2593.0	2675.0	2511.0	2593.0	2675.0	2511.0	2593.0	2675.0
30.0	BPSK	1	0	23.32	26.92	24.87	21.91	25.30	24.02	20.54	24.27	23.41	20.92	27.93	23.35
		1	1	23.36	28.44	27.67	21.93	28.59	27.64	20.59	27.63	27.00	20.98	**28.00**	26.30
		1	76	28.00	**28.70**	27.91	27.62	**28.67**	26.17	26.95	**27.70**	25.94	26.70	26.04	26.70
		1	77	25.32	26.71	25.27	24.00	25.38	24.33	23.18	24.39	23.69	23.77	27.58	23.74
		36	18	25.15	28.17	27.70	23.83	28.44	27.46	23.08	27.54	26.96	23.55	27.17	26.24
		75	0	25.22	27.93	27.71	23.85	28.34	27.19	22.96	27.26	26.53	23.52	27.62	23.80
	QPSK	1	0	22.94	26.52	24.99	21.49	25.18	24.02	20.05	23.93	23.41	20.46	25.89	22.91
		1	1	22.82	28.27	27.62	21.51	**28.70**	27.70	20.04	**27.43**	26.73	20.53	27.70	23.92
		1	76	27.82	**28.43**	28.00	27.70	28.07	25.83	27.00	27.03	25.61	26.69	**27.81**	23.48
		1	77	25.35	26.66	25.26	24.12	25.37	24.45	23.23	24.07	23.71	23.77	25.90	22.59
		36	18	24.28	28.16	27.63	22.84	28.38	27.18	22.02	27.09	26.49	22.52	27.62	26.26
		75	0	24.33	28.20	27.45	22.85	27.79	26.63	21.97	26.48	25.99	22.53	27.63	25.91
	16QAM	1	0	23.24	26.43	25.03	21.58	25.54	24.28	20.23	24.23	23.57	20.70	25.84	23.60
		1	1	23.12	28.20	27.58	21.71	**28.14**	26.83	20.21	**26.90**	26.18	20.56	27.64	26.11
		1	76	27.11	**28.35**	27.94	26.87	27.86	25.60	26.19	26.69	25.41	26.28	**27.79**	26.46
		1	77	25.45	26.71	25.49	24.32	25.65	24.58	23.33	24.33	23.81	23.92	25.77	23.82
		36	18	23.72	28.19	27.47	22.33	27.66	26.57	21.56	26.42	25.92	21.98	27.74	25.88
		75	0	23.80	28.18	26.40	22.30	26.79	25.59	21.47	25.46	25.05	22.05	27.62	25.00
	64QAM	1	0	22.63	26.83	25.16	21.15	25.38	24.24	19.77	24.26	23.52	20.19	26.00	23.47
		1	1	22.57	**27.78**	26.10	21.02	26.50	25.18	19.70	25.18	24.59	20.24	26.89	24.40
		1	76	25.58	27.08	26.41	25.26	**26.60**	24.77	24.38	**25.21**	24.88	24.91	**27.24**	24.86
		1	77	25.51	26.66	25.59	24.29	25.59	24.64	23.48	24.08	23.85	23.90	26.11	23.75
		36	18	23.80	27.41	25.89	22.38	26.29	25.03	21.49	24.85	24.42	22.05	26.71	24.41
		75	0	23.86	27.47	25.97	22.42	26.29	25.06	21.51	24.95	24.39	22.08	26.71	24.55
	256QAM	1	0	20.81	25.46	23.86	19.50	24.19	22.81	17.89	23.00	22.27	18.30	24.76	22.36
		1	1	20.74	25.46	23.89	19.41	24.29	22.91	18.00	22.84	22.36	18.40	24.78	22.37
		1	76	24.01	**25.74**	24.17	22.95	**24.35**	23.19	22.21	**23.03**	22.48	22.69	24.88	22.71
		1	77	24.07	25.64	23.97	23.02	24.28	23.13	22.28	22.90	22.52	22.69	**24.89**	22.63
		36	18	22.26	25.58	23.81	20.88	24.20	23.01	19.98	22.79	22.29	20.43	24.75	22.39
		75	0	22.29	25.45	23.93	20.89	24.21	23.03	19.91	22.80	22.35	20.48	24.80	22.44

OUTPUT POWER FOR 5G NR n41 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				503200	518600	534000	503200	518600	534000	503200	518600	534000	503200	518600	534000
				2516.0	2593.0	2670.0	2516.0	2593.0	2670.0	2516.0	2593.0	2670.0	2516.0	2593.0	2670.0
40.0	BPSK	1	0	23.40	27.21	25.05	22.08	25.29	24.63	20.59	24.25	23.78	21.02	26.07	23.44
		1	1	23.54	**28.70**	27.56	22.18	**28.70**	27.70	20.62	**27.70**	27.00	21.11	**28.00**	26.33
		1	104	28.00	28.24	27.98	27.69	28.26	25.60	26.95	27.40	24.47	26.70	27.78	26.70
		1	105	25.27	26.83	25.33	24.22	25.46	24.93	23.26	24.44	23.87	23.65	25.98	23.78
		50	25	25.17	28.31	27.68	23.96	28.50	27.02	23.00	27.39	25.96	23.65	27.45	26.41
		100	0	25.16	28.06	27.42	23.98	28.33	26.74	22.97	27.32	25.67	23.57	27.06	26.19
	QPSK	1	0	22.92	26.70	25.05	21.60	25.43	24.60	20.19	24.39	23.81	20.57	25.78	23.44
		1	1	22.82	28.42	26.87	21.63	**28.67**	26.95	20.19	**27.70**	26.23	20.58	**27.75**	25.78
		1	104	27.72	**28.63**	26.50	27.70	27.61	25.08	27.00	26.79	24.25	26.49	27.63	26.05
		1	105	25.46	26.81	25.39	24.12	25.43	24.70	23.25	24.51	23.81	23.73	25.74	23.79
		50	25	24.07	28.27	27.60	22.89	28.02	26.56	21.97	27.10	25.70	22.70	27.41	26.28
		100	0	24.19	28.34	27.55	22.95	27.76	26.06	21.97	26.83	25.19	22.57	27.44	25.88
	16QAM	1	0	23.17	26.79	25.11	21.91	25.51	24.79	20.47	24.58	23.92	20.83	25.60	23.67
		1	1	22.93	28.45	27.68	21.81	**28.09**	26.77	20.36	**27.18**	25.85	20.93	27.61	26.04
		1	104	26.93	**28.55**	28.00	26.76	27.34	24.79	26.00	26.50	23.93	26.28	**27.62**	26.49
		1	105	25.40	26.93	25.44	24.42	25.66	24.32	23.39	24.62	23.41	24.10	25.59	23.98
		50	25	23.62	28.21	27.34	22.38	27.60	26.09	21.46	26.75	25.33	22.01	27.44	25.92
		100	0	23.67	28.29	26.48	22.46	26.80	25.42	21.43	25.71	24.72	22.01	27.49	24.93
	64QAM	1	0	22.37	26.88	25.15	21.27	25.52	24.91	19.80	24.24	23.92	20.13	26.05	23.57
		1	1	22.44	**28.10**	26.42	21.37	**26.51**	25.70	19.94	25.50	24.98	20.29	**26.83**	24.68
		1	104	25.28	26.85	26.12	25.42	26.49	24.04	24.56	**25.66**	23.65	24.98	26.70	24.88
		1	105	25.27	26.83	25.22	24.29	25.85	24.08	23.48	24.53	23.24	23.83	25.84	23.77
		50	25	23.72	27.62	25.94	22.41	26.19	25.20	21.49	25.19	24.56	22.11	26.54	24.34
		100	0	23.71	27.63	25.96	22.45	26.18	25.15	21.42	25.22	24.55	22.02	26.55	24.38
	256QAM	1	0	20.89	25.65	24.03	19.52	24.13	23.41	17.93	23.15	22.74	18.41	24.61	22.61
		1	1	20.74	25.47	23.97	19.60	24.12	23.53	18.17	23.19	22.58	18.48	**24.79**	22.54
		1	104	23.69	25.31	23.98	23.34	24.37	23.16	22.23	23.13	22.56	22.56	24.60	22.73
		1	105	23.77	25.50	24.43	23.02	**24.41**	22.99	22.37	**23.35**	22.70	22.76	24.43	22.52
		50	25	22.24	**25.66**	23.89	20.89	24.13	23.39	19.99	23.21	22.54	20.62	24.57	22.31
		100	0	22.23	25.52	23.86	20.96	24.22	23.38	20.00	23.22	22.59	20.48	24.59	22.43

OUTPUT POWER FOR 5G NR n41 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				504200	518600	533000	504200	518600	533000	504200	518600	533000	504200	518600	533000
				2521.0	2593.0	2665.0	2521.0	2593.0	2665.0	2521.0	2593.0	2665.0	2521.0	2593.0	2665.0
50.0	BPSK	1	0	23.21	26.69	25.10	22.02	25.18	24.45	20.82	24.25	23.61	21.19	25.92	23.50
		1	1	23.33	28.27	27.72	22.03	**28.67**	27.70	20.72	27.45	27.00	21.35	27.88	26.42
		1	131	27.92	**28.67**	27.84	27.61	28.38	25.58	26.90	**27.70**	24.64	26.67	**28.00**	26.70
		1	132	25.28	26.93	25.20	24.19	25.55	24.75	23.39	24.53	24.12	23.71	25.95	23.74
		64	32	25.15	28.42	27.74	23.98	28.65	27.18	23.11	27.55	26.30	23.70	27.75	26.35
		128	0	25.18	28.48	27.72	23.97	28.42	26.85	23.24	27.43	26.08	23.69	27.76	26.40
	QPSK	1	0	22.81	26.83	25.18	21.50	25.38	24.61	20.25	24.32	23.77	20.62	25.91	23.48
		1	1	22.78	28.58	27.94	21.47	**28.70**	27.07	20.17	**27.58**	26.83	20.64	27.82	26.29
		1	131	28.00	**28.70**	28.00	27.70	27.86	25.18	27.00	27.22	24.36	26.70	**27.97**	26.35
		1	132	25.34	26.96	25.37	24.10	25.53	24.77	23.45	24.52	23.93	23.72	25.99	23.72
		64	32	24.16	28.41	27.69	22.92	28.18	26.69	22.20	27.24	25.97	22.76	27.74	26.20
		128	0	24.13	28.50	27.27	22.91	27.93	26.14	22.18	26.89	25.67	22.67	27.60	25.64
	16QAM	1	0	23.02	27.07	25.48	21.71	25.43	24.72	20.20	24.51	23.98	20.98	26.17	23.58
		1	1	23.33	**28.65**	27.62	21.60	**28.10**	26.62	20.51	**27.04**	26.45	20.89	**27.81**	25.77
		1	131	26.92	28.45	27.45	26.75	27.46	24.88	26.18	26.93	24.30	26.13	27.55	26.15
		1	132	25.29	27.32	25.43	24.46	25.69	24.35	23.62	24.69	23.74	24.12	26.31	24.07
		64	32	23.69	28.49	27.62	22.31	27.79	26.19	21.62	26.83	25.58	22.19	27.79	25.36
		128	0	23.64	28.21	26.44	22.41	26.86	25.54	21.70	25.80	25.18	22.13	26.93	24.67
	64QAM	1	0	22.80	27.05	25.25	21.21	25.61	24.70	20.01	24.42	23.90	20.31	25.85	23.62
		1	1	22.27	**28.17**	26.17	21.13	26.43	25.63	19.92	25.47	25.00	20.37	26.77	24.51
		1	131	25.34	27.27	26.43	25.22	**26.66**	24.11	24.73	**25.65**	23.54	24.35	26.31	24.87
		1	132	25.25	26.93	25.85	24.26	25.75	24.30	23.61	24.73	23.72	24.04	26.23	23.99
		64	32	23.70	27.74	25.99	22.32	26.38	25.25	21.68	25.28	24.62	22.22	**26.82**	24.27
		128	0	23.62	27.77	26.05	22.35	26.37	25.24	21.65	25.25	24.66	22.24	26.53	24.28
	256QAM	1	0	20.72	25.67	24.17	19.53	24.54	23.45	18.12	23.22	22.67	18.48	**24.85**	22.45
		1	1	21.08	25.70	24.00	19.31	24.20	23.42	18.08	23.10	22.91	18.53	24.71	22.53
		1	131	23.58	**25.79**	24.17	22.77	**24.68**	23.25	22.42	23.34	22.86	22.84	24.65	22.77
		1	132	23.96	25.51	24.52	23.03	24.54	23.24	22.51	**23.44**	22.92	22.65	24.78	22.83
		64	32	22.04	25.75	24.02	20.76	24.29	23.29	20.14	23.18	22.57	20.75	24.84	22.37
		128	0	22.01	**25.79**	24.01	20.84	24.26	23.31	20.13	23.18	22.63	20.64	**24.85**	22.40

OUTPUT POWER FOR 5G NR n41 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				505200	518600	532000	505200	518600	532000	505200	518600	532000	505200	518600	532000
				2526.0	2593.0	2660.0	2526.0	2593.0	2660.0	2526.0	2593.0	2660.0	2526.0	2593.0	2660.0
60.0	BPSK	1	0	23.30	26.93	26.16	21.98	25.24	24.48	20.62	24.17	23.59	20.85	25.97	24.57
		1	1	23.31	28.46	27.88	21.96	28.58	27.70	20.69	27.44	27.00	21.25	27.91	26.48
		1	160	28.00	**28.70**	27.95	27.61	28.48	25.53	26.75	**27.70**	24.52	26.61	**28.00**	26.70
		1	161	25.11	26.93	26.37	24.10	25.50	24.65	23.38	24.51	23.78	23.77	26.04	24.84
		81	40	25.14	28.48	27.80	23.97	**28.68**	27.29	23.14	27.55	26.36	23.74	27.85	26.43
		162	0	25.10	28.49	27.78	24.01	28.48	26.95	23.11	27.31	26.22	23.67	27.87	26.41
	QPSK	1	0	22.79	26.91	26.10	21.39	25.30	24.50	20.12	24.24	23.75	20.64	25.80	24.74
		1	1	22.73	28.43	27.86	21.40	**28.70**	26.97	20.14	**27.44**	26.75	20.76	**27.73**	26.35
		1	160	27.79	**28.69**	28.00	27.70	27.76	25.12	27.00	27.23	24.28	26.70	27.40	25.78
		1	161	25.16	27.10	26.50	24.16	25.56	24.76	23.27	24.33	23.90	23.60	25.71	24.79
		81	40	24.02	28.56	27.70	22.98	28.31	26.81	22.11	27.34	26.13	22.67	27.56	26.16
		162	0	24.16	28.53	27.15	23.00	27.95	26.20	22.09	26.85	25.76	22.62	27.20	25.71
	16QAM	1	0	23.10	27.22	26.28	21.85	25.46	24.73	20.27	24.40	24.02	20.57	25.98	25.01
		1	1	23.12	**28.61**	27.69	21.81	**28.06**	26.65	20.59	**26.93**	26.45	20.46	27.48	26.18
		1	160	27.21	28.17	27.54	26.94	27.65	24.80	26.23	26.90	24.05	25.90	27.18	26.11
		1	161	25.27	27.04	26.29	24.49	25.75	24.24	23.45	24.53	23.64	23.62	25.93	24.93
		81	40	23.57	28.60	27.42	22.42	27.86	26.25	21.75	26.87	25.73	22.24	**27.54**	25.59
		162	0	23.60	28.04	26.50	22.50	26.93	25.57	21.59	25.74	25.10	22.24	26.53	24.92
	64QAM	1	0	22.12	27.07	25.85	21.19	25.40	24.72	19.70	24.38	24.27	20.42	25.91	24.72
		1	1	22.47	27.64	26.29	21.30	26.54	25.77	19.82	25.24	24.99	20.29	26.02	24.80
		1	160	25.59	26.85	25.89	25.50	**26.69**	24.08	24.40	**25.38**	23.58	24.82	25.76	24.52
		1	161	25.37	26.70	26.41	24.33	25.70	24.09	23.36	24.70	23.47	23.85	25.94	24.86
		81	40	23.56	**27.81**	26.10	22.43	26.31	25.33	21.60	25.24	24.48	22.12	**26.51**	23.99
		162	0	23.64	27.64	25.99	22.48	26.44	25.31	21.61	25.24	24.59	22.19	26.13	24.44
	256QAM	1	0	20.58	25.95	24.49	19.36	24.13	23.49	18.15	23.12	22.69	18.58	24.52	23.31
		1	1	20.36	**25.99**	24.98	19.74	24.33	23.58	18.30	22.94	22.54	18.68	24.58	23.45
		1	160	24.24	25.66	24.46	23.11	24.20	23.23	22.17	**23.42**	22.57	22.86	24.27	23.12
		1	161	24.04	25.49	24.51	22.95	**24.50**	22.98	22.13	23.35	22.62	22.65	24.21	23.12
		81	40	22.02	25.73	24.52	20.93	24.33	23.36	20.14	23.18	22.54	20.69	24.60	22.38
		162	0	22.12	25.81	24.49	20.95	24.35	23.38	20.16	23.20	22.61	20.66	**24.64**	22.89

OUTPUT POWER FOR 5G NR n41 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				506200	518600	531000	506200	518600	531000	506200	518600	531000	506200	518600	531000
				2531.0	2593.0	2655.0	2531.0	2593.0	2655.0	2531.0	2593.0	2655.0	2531.0	2593.0	2655.0
70.0	BPSK	1	0	24.30	24.92	26.12	22.41	25.28	24.56	20.74	22.10	23.61	22.01	24.11	24.51
		1	1	24.41	24.71	27.98	22.43	**28.69**	27.41	20.94	22.21	26.73	22.09	24.04	26.38
		1	187	28.00	**28.70**	27.92	27.70	27.91	25.59	26.76	**27.70**	25.08	26.46	**28.00**	26.52
		1	188	26.11	26.81	26.05	24.34	25.41	24.87	23.58	24.33	23.79	24.50	25.91	24.68
		90	45	26.09	28.51	27.77	24.45	28.43	27.70	23.49	27.32	27.00	24.59	27.86	26.60
		180	0	26.18	28.55	27.86	24.41	28.36	27.24	23.45	27.24	26.57	24.58	27.92	26.61
	QPSK	1	0	23.78	24.52	26.13	21.81	25.28	24.91	20.14	21.90	23.75	21.71	23.54	24.54
		1	1	23.78	24.56	28.00	22.04	**28.70**	26.86	20.41	21.96	26.45	21.81	23.57	26.50
		1	187	27.95	**28.58**	27.86	27.65	27.21	25.17	27.00	**27.22**	24.68	26.70	27.79	26.62
		1	188	26.01	26.91	26.18	24.46	25.29	24.78	23.39	24.38	23.82	24.62	25.98	24.72
		90	45	25.11	28.48	27.37	23.41	28.01	27.19	22.44	27.17	26.47	23.54	**27.84**	26.54
		180	0	25.14	28.57	26.79	23.40	27.64	26.44	22.44	26.91	25.81	23.59	27.80	26.07
	16QAM	1	0	23.96	24.69	26.42	22.19	25.35	24.87	19.97	22.10	23.94	21.29	23.87	24.67
		1	1	24.05	24.79	27.71	22.22	**28.21**	26.58	20.24	22.07	26.13	21.54	23.55	26.70
		1	187	27.33	28.19	27.16	27.33	27.02	24.79	26.08	**26.78**	24.29	25.72	27.64	26.38
		1	188	26.11	27.17	26.23	24.56	25.46	24.64	23.18	24.62	23.87	24.36	25.93	24.85
		90	45	24.62	**28.48**	26.92	22.84	27.56	26.67	21.95	26.62	25.96	23.06	**27.78**	25.77
		180	0	24.63	27.86	26.25	22.87	26.75	25.89	21.90	25.94	25.25	23.03	27.11	25.14
	64QAM	1	0	23.59	24.02	26.24	21.39	25.42	25.22	19.77	21.84	23.79	21.34	23.12	24.69
		1	1	23.27	24.41	26.47	21.32	**26.56**	25.71	19.64	21.61	25.06	21.39	22.95	25.31
		1	187	25.78	27.04	25.94	25.60	26.23	24.19	24.56	**25.73**	23.71	24.83	25.82	24.89
		1	188	25.92	27.00	26.03	24.67	25.64	24.24	23.67	24.56	23.65	24.53	25.78	24.97
		90	45	24.58	**27.72**	25.29	22.87	26.28	25.76	21.90	25.40	24.84	23.08	**26.87**	24.30
		180	0	24.68	27.46	25.78	22.91	26.28	25.60	21.85	25.41	24.78	23.02	26.58	24.44
	256QAM	1	0	21.54	22.17	24.90	20.13	24.02	23.65	18.19	19.84	22.66	19.53	21.30	23.06
		1	1	21.64	22.13	24.97	19.87	**24.37**	23.66	18.03	19.73	22.90	19.70	21.41	23.28
		1	187	24.56	25.44	24.40	23.45	24.02	23.30	22.67	**23.41**	22.57	23.05	24.61	22.83
		1	188	24.65	25.47	24.23	23.31	24.17	23.35	22.41	23.33	22.76	22.82	24.67	23.02
		90	45	23.14	25.71	24.11	21.36	24.09	23.70	20.37	23.31	22.70	21.52	24.79	22.75
		180	0	23.18	**25.76**	24.30	21.32	24.18	23.66	20.31	23.35	22.73	21.52	**24.90**	23.14

OUTPUT POWER FOR 5G NR n41 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				507200	518600	530000	507200	518600	530000	507200	518600	530000	507200	518600	530000
				2536.0	2593.0	2650.0	2536.0	2593.0	2650.0	2536.0	2593.0	2650.0	2536.0	2593.0	2650.0
80.0	BPSK	1	0	24.30	24.96	25.89	22.58	23.22	24.13	20.90	22.35	23.65	22.20	24.10	24.45
		1	1	24.41	24.88	27.87	22.31	23.31	27.70	20.97	22.14	27.00	22.24	24.02	26.40
		1	215	27.83	**28.70**	27.79	27.70	**28.70**	25.50	26.64	**27.70**	24.97	26.57	**28.00**	26.70
		1	216	26.22	26.99	26.22	24.25	25.53	24.35	23.63	24.35	23.82	24.68	26.15	24.57
		108	54	26.24	28.54	27.76	24.29	28.68	27.36	23.52	27.60	26.90	24.80	27.96	26.32
		216	0	26.26	28.55	27.76	24.26	28.46	26.98	23.51	27.41	26.70	24.78	27.98	26.38
	QPSK	1	0	23.94	24.29	25.98	21.93	22.93	24.28	20.36	21.69	23.69	21.68	23.72	24.26
		1	1	23.84	24.23	27.79	21.86	22.86	26.93	20.34	21.76	26.82	21.60	23.65	26.29
		1	215	28.00	**28.67**	27.79	27.62	28.08	25.08	27.00	**27.60**	24.56	26.70	27.68	26.56
		1	216	26.01	27.04	26.29	24.51	25.52	24.38	23.65	24.30	23.90	24.84	26.13	24.48
		108	54	25.24	28.59	27.64	23.22	**28.62**	26.82	22.55	27.43	26.79	23.80	**27.98**	25.89
		216	0	25.23	28.66	27.60	23.25	28.03	26.27	22.47	26.72	26.16	23.79	27.89	25.87
	16QAM	1	0	23.76	24.71	26.23	22.21	23.12	24.23	20.26	22.15	23.87	22.00	23.75	24.62
		1	1	23.65	24.51	28.00	22.07	22.98	26.67	20.19	21.71	26.49	21.95	23.79	26.40
		1	215	27.77	28.43	27.51	26.99	27.61	24.68	25.94	**27.29**	24.37	26.37	27.46	25.85
		1	216	26.01	27.06	26.36	24.60	25.51	24.21	23.32	24.41	23.76	24.78	26.35	24.73
		108	54	24.71	**28.54**	27.09	22.71	**27.98**	26.33	22.05	26.76	26.22	23.27	**27.97**	25.24
		216	0	24.70	28.06	26.58	22.85	27.01	25.62	21.99	25.61	25.18	23.28	27.01	25.05
	64QAM	1	0	23.29	24.15	26.31	21.67	22.71	24.38	20.13	21.60	23.70	21.46	23.45	24.63
		1	1	23.80	23.97	26.88	21.52	22.46	25.49	20.02	21.29	24.90	21.48	23.18	25.60
		1	215	27.21	26.78	26.05	25.74	**26.81**	24.20	24.74	**25.53**	23.83	25.43	25.88	24.34
		1	216	26.42	26.88	26.01	24.58	25.63	23.89	23.66	24.62	23.75	24.75	25.86	24.59
		108	54	24.69	**27.87**	25.80	22.81	26.38	25.12	22.02	25.14	24.66	23.32	**26.88**	23.77
		216	0	24.70	27.64	26.17	22.79	26.42	25.19	22.03	25.13	24.71	23.30	26.56	24.51
	256QAM	1	0	22.05	22.36	24.92	19.83	20.96	23.20	18.40	19.28	22.52	19.59	21.83	23.42
		1	1	21.86	22.17	24.93	19.82	20.70	23.16	18.40	19.48	22.82	19.80	21.60	23.35
		1	215	25.20	25.12	24.45	23.22	24.25	23.13	22.39	**23.27**	22.67	23.63	24.60	22.97
		1	216	25.29	25.21	24.58	23.33	24.25	22.78	22.66	23.11	22.50	23.84	24.70	22.91
		108	54	23.16	25.90	24.21	21.32	24.32	23.02	20.57	23.10	22.64	21.88	25.03	22.32
		216	0	23.20	**25.92**	24.63	21.29	**24.38**	23.09	20.47	23.24	22.68	21.78	**25.06**	22.89

OUTPUT POWER FOR 5G NR n41 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				508200	518600	529000	508200	518600	529000	508200	518600	529000	508200	518600	529000
				2541.0	2593.0	2645.0	2541.0	2593.0	2645.0	2541.0	2593.0	2645.0	2541.0	2593.0	2645.0
90.0	BPSK	1	0	24.01	24.93	26.06	22.48	23.28	24.31	20.80	22.27	23.44	22.28	24.01	24.52
		1	1	24.09	24.99	27.82	22.35	23.28	27.70	20.88	22.07	27.00	22.08	24.19	26.43
		1	243	27.47	28.59	27.91	27.47	**28.70**	25.50	26.84	**27.70**	24.71	26.52	27.92	26.70
		1	244	25.91	27.01	26.11	24.48	25.39	24.60	23.64	24.21	23.85	24.57	26.06	24.80
		120	60	25.80	28.55	27.80	24.32	28.66	27.50	23.45	27.40	26.85	24.80	27.99	26.42
		243	0	25.87	**28.68**	27.77	24.28	28.43	27.11	23.50	27.23	26.64	24.71	**28.00**	26.44
	QPSK	1	0	23.38	24.43	26.01	21.84	22.94	24.40	20.26	21.66	23.63	21.73	23.69	24.55
		1	1	23.42	24.51	27.67	21.81	22.78	27.07	20.49	21.62	26.77	21.84	23.59	26.42
		1	243	27.56	**28.70**	28.00	27.70	27.95	25.22	27.00	**27.60**	24.53	26.70	27.78	26.55
		1	244	25.73	27.01	26.15	24.43	25.54	24.80	23.62	24.46	24.00	24.68	26.13	24.73
		120	60	24.78	28.57	27.75	23.22	**28.58**	27.01	22.49	27.43	26.71	23.72	**27.93**	25.89
		243	0	24.81	28.64	27.60	23.26	27.90	26.38	22.39	26.69	26.19	23.75	27.72	26.01
	16QAM	1	0	23.62	24.35	26.22	22.16	23.19	24.61	20.63	22.13	23.90	21.77	24.02	24.77
		1	1	23.65	24.74	28.00	22.10	23.10	26.79	20.73	21.81	26.30	21.80	23.84	26.64
		1	243	28.00	28.20	27.41	27.19	27.77	24.85	26.49	**27.12**	24.19	26.25	27.04	25.78
		1	244	26.10	26.98	26.40	24.61	25.66	24.53	23.79	24.18	23.73	24.74	26.17	25.10
		120	60	24.36	**28.66**	27.11	22.76	**27.83**	26.40	21.99	26.69	26.11	23.30	**27.92**	25.37
		243	0	24.34	27.94	26.66	22.78	26.91	25.71	21.97	25.75	25.08	23.24	26.89	25.17
	64QAM	1	0	23.00	23.99	26.23	21.31	22.72	24.28	19.95	21.43	23.69	21.66	23.41	24.77
		1	1	22.93	24.03	27.08	21.41	22.30	25.67	20.25	21.27	24.84	21.41	23.31	25.68
		1	243	26.65	26.45	26.11	25.57	**26.49**	23.96	24.67	**25.53**	23.63	25.45	25.83	24.67
		1	244	25.92	26.65	26.18	24.61	25.66	24.05	23.57	24.46	23.63	24.83	25.96	24.85
		120	60	24.26	**27.98**	25.81	22.75	26.47	25.34	21.97	25.14	24.69	23.28	**26.74**	23.81
		243	0	24.31	27.52	26.33	22.78	26.42	25.32	21.86	25.19	24.67	23.24	26.37	24.96
	256QAM	1	0	21.42	22.63	24.84	19.79	20.87	23.09	18.07	19.82	22.37	19.48	21.53	23.47
		1	1	21.27	22.41	24.95	19.85	20.79	23.09	18.32	19.50	22.59	19.71	21.67	23.53
		1	243	24.73	25.33	24.75	23.48	**24.53**	23.12	22.53	**23.41**	22.51	23.65	24.19	23.14
		1	244	24.72	25.54	24.48	23.17	24.20	23.02	22.57	23.10	22.59	23.50	24.27	23.29
		120	60	22.76	25.93	24.12	21.18	24.38	23.17	20.44	23.05	22.61	21.70	**24.94**	22.20
		243	0	22.82	**25.98**	25.00	21.20	24.39	23.20	20.40	23.08	22.61	21.70	24.83	23.29

OUTPUT POWER FOR 5G NR n41 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				509200	528600	528000	509200	528600	528000	509200	528600	528000	509200	528600	528000
				2546.0	2593.0	2640.0	2546.0	2593.0	2640.0	2546.0	2593.0	2640.0	2546.0	2593.0	2640.0
100.0	BPSK	1	0	24.40	24.96	24.15	22.51	23.11	22.65	20.96	22.19	21.56	22.06	24.04	22.28
		1	1	24.22	24.83	24.25	22.37	23.38	22.56	21.04	22.32	21.74	22.06	24.28	22.18
		1	271	27.78	28.62	28.00	27.70	28.56	26.00	27.00	**27.70**	25.08	26.57	27.78	26.70
		1	272	26.04	26.96	26.50	24.62	25.58	24.96	23.75	24.31	23.89	24.42	26.02	24.62
		135	67	26.09	28.63	27.93	24.53	**28.70**	27.70	23.57	27.51	27.00	24.50	27.94	26.39
		270	0	26.13	**28.70**	27.95	24.40	28.43	27.29	23.48	27.34	26.65	24.48	**28.00**	26.30
	QPSK	1	0	23.80	24.45	23.73	21.92	22.81	21.98	20.43	21.71	21.12	21.52	23.64	22.00
		1	1	23.67	24.45	23.68	21.88	22.87	22.07	20.62	21.87	21.21	21.49	23.75	21.91
		1	271	28.00	28.62	27.97	27.15	27.86	25.61	26.47	**27.65**	24.80	26.48	27.85	26.59
		1	272	26.13	26.92	26.51	24.63	25.53	24.93	23.72	24.36	24.02	24.38	26.01	24.58
		135	67	25.13	28.65	27.97	23.44	**28.40**	27.08	22.55	27.53	26.77	23.46	**27.95**	26.14
		270	0	25.00	**28.68**	27.83	23.45	27.91	26.53	22.50	26.89	26.15	23.45	27.73	26.05
	16QAM	1	0	23.83	24.65	23.88	22.23	23.25	22.26	20.57	21.95	21.36	21.59	23.85	22.23
		1	1	23.54	24.68	24.14	22.30	23.07	22.19	20.88	21.88	21.09	21.73	23.78	21.91
		1	271	27.80	28.40	27.77	27.05	27.60	25.23	26.45	**27.35**	24.54	26.70	27.24	26.05
		1	272	26.15	27.25	26.75	24.61	25.68	24.75	24.02	24.58	24.04	24.72	25.89	25.01
		135	67	24.61	**28.65**	27.52	22.94	**27.92**	26.53	22.11	26.81	26.29	22.99	**27.82**	25.40
		270	0	24.69	27.94	27.03	22.91	26.88	25.88	21.97	25.76	25.29	22.97	26.89	25.09
	64QAM	1	0	23.73	24.18	23.25	21.36	22.60	21.58	19.96	21.43	20.86	21.09	23.26	21.45
		1	1	23.29	24.12	23.28	21.58	22.51	21.53	20.14	21.36	20.76	21.27	23.06	21.50
		1	271	26.82	26.87	26.48	25.88	**26.78**	24.48	24.88	**25.83**	23.93	25.40	26.16	24.79
		1	272	26.31	26.79	26.46	24.71	25.46	24.30	23.83	24.57	23.86	24.35	25.65	24.46
		135	67	24.63	**27.95**	25.86	22.91	26.38	25.54	22.15	25.27	24.70	23.06	**26.59**	24.02
		270	0	24.62	27.45	26.58	22.86	26.40	25.56	22.10	25.21	24.69	22.97	26.43	24.91
	256QAM	1	0	21.89	22.32	21.66	19.77	20.73	20.11	18.35	19.83	19.06	19.22	21.71	19.78
		1	1	21.63	22.29	21.94	19.99	20.69	19.95	18.23	19.71	19.01	19.09	21.44	19.64
		1	271	25.35	24.97	24.89	23.52	**24.35**	23.38	22.73	23.26	22.55	23.49	24.32	23.19
		1	272	24.61	25.05	24.81	23.42	24.21	23.23	22.70	**23.40**	22.74	22.90	24.20	22.89
		135	67	23.04	25.90	24.38	21.32	24.31	23.48	20.56	23.19	22.74	21.54	24.95	22.71
		270	0	23.09	**26.01**	24.99	21.33	24.30	23.47	20.56	23.31	22.63	21.47	**25.04**	23.36

8.11. LTE BAND 48

LTE BAND 48

Test Engineer ID:	39004	Test Date:	2/2/2022

OUTPUT POWER FOR LTE BAND 48 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55265	55990	56715	55265	55990	56715	55265	55990	56715	55260	55990	56715
				3552.5	3625.0	3697.5	3552.5	3625.0	3697.5	3552.5	3625.0	3697.5	3552.5	3625.0	3697.5
5.0	QPSK	1	0	25.93	25.95	25.83	25.90	25.85	25.90	**21.70**	21.62	21.58	24.88	24.92	24.85
		1	12	25.80	**26.00**	**26.00**	**26.00**	**26.00**	**26.00**	**21.70**	**21.70**	**21.70**	**25.00**	**25.00**	**25.00**
		1	24	**26.00**	25.96	25.89	25.93	25.88	25.97	21.63	21.65	21.66	24.93	24.96	24.93
		12	0	25.30	25.24	25.18	25.22	25.18	25.26	20.95	20.97	20.96	24.26	24.29	24.23
		12	6	25.32	25.27	25.22	25.23	25.19	25.32	20.96	21.00	20.99	24.27	24.30	24.24
		12	11	25.30	25.28	25.16	25.20	25.19	25.25	20.92	20.97	20.96	24.27	24.27	24.21
		25	0	25.31	25.29	25.18	25.21	25.19	25.25	20.95	20.96	20.96	24.23	24.27	24.21
	16QAM	1	0	25.57	25.67	25.48	25.60	25.42	25.65	21.32	21.22	21.37	24.51	24.64	24.55
		1	12	**25.65**	**25.94**	**25.54**	**25.72**	**25.54**	**25.83**	21.47	21.29	**21.55**	**24.57**	**24.92**	**24.70**
		1	24	25.60	25.77	**25.54**	25.63	25.45	25.75	21.28	21.25	21.46	24.52	24.77	24.64
		12	0	24.29	24.36	24.26	24.22	24.24	24.40	20.06	20.04	19.92	23.29	23.40	23.25
		12	6	24.33	24.39	24.30	24.23	24.28	24.44	20.05	20.05	19.95	23.31	23.39	23.30
		12	11	24.29	24.34	24.25	24.17	24.20	24.39	20.04	20.04	19.92	23.27	23.37	23.28
		25	0	24.36	24.33	24.26	24.28	24.19	24.30	19.96	20.04	19.96	23.26	23.33	23.26
	64QAM	1	0	25.44	25.31	25.25	**24.48**	24.29	**24.54**	20.25	20.27	20.46	23.53	23.41	23.43
		1	12	**25.47**	**25.35**	25.22	24.45	24.35	24.49	20.32	20.23	**20.47**	**23.60**	**23.45**	23.47
		1	24	25.44	25.26	25.23	24.47	24.35	24.52	20.31	20.32	20.45	23.54	23.40	23.46
		12	0	24.28	25.34	**25.27**	23.26	**24.36**	24.49	18.94	20.30	20.42	22.35	23.44	23.47
		12	6	24.31	25.31	25.25	23.29	24.32	24.52	18.97	20.23	20.46	22.36	23.41	**23.48**
		12	11	24.26	25.27	25.24	23.24	24.31	24.50	18.94	20.26	20.43	22.30	23.41	23.43
		25	0	24.21	25.30	25.24	23.25	24.33	24.52	19.04	20.35	20.44	22.30	23.42	23.47
	256QAM	1	0	22.31	22.28	22.19	21.35	21.25	21.39	17.24	17.29	17.30	20.45	20.27	20.34
		1	12	**22.39**	**22.35**	**22.25**	21.39	**21.32**	**21.46**	17.29	**17.35**	17.34	**20.52**	**20.33**	**20.41**
		1	24	22.38	22.31	22.24	**21.40**	21.31	21.43	17.27	17.32	17.31	20.45	20.29	20.38
		12	0	22.22	22.18	22.07	21.25	21.19	21.30	17.08	17.16	17.24	20.32	20.27	20.24
		12	6	22.25	22.22	22.11	21.27	21.22	21.32	17.12	17.21	17.26	20.36	20.30	20.26
		12	11	22.22	22.20	22.10	21.22	21.20	21.29	17.09	17.17	17.23	20.31	20.26	20.22
		25	0	22.21	22.17	22.04	21.22	21.18	21.27	17.11	17.18	17.20	20.29	20.26	20.22

OUTPUT POWER FOR LTE BAND 48 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55290	55990	56690	55290	55990	56690	55290	55990	56690	55290	55990	56690
				3555.0	3625.0	3695.0	3555.0	3625.0	3695.0	3555.0	3625.0	3695.0	3555.0	3625.0	3695.0
10.0	QPSK	1	0	25.99	**26.00**	**26.00**	**26.00**	25.91	25.97	21.67	21.67	21.69	24.95	**25.00**	24.97
		1	24	**26.00**	**26.00**	**26.00**	25.89	**26.00**	**26.00**	**21.70**	**21.70**	**21.70**	24.99	24.98	**25.00**
		1	49	25.94	25.99	25.98	25.97	25.88	25.96	21.61	21.66	21.69	**25.00**	24.37	24.97
		25	0	25.32	25.37	25.36	25.30	25.27	25.34	21.00	21.07	21.05	24.32	24.40	24.32
		25	12	25.34	25.39	25.39	25.34	25.30	25.38	21.01	21.10	21.09	24.36	24.39	24.38
		25	24	25.32	25.39	25.38	25.31	25.31	25.38	20.99	21.11	21.08	24.33	24.38	24.38
		50	0	25.30	25.38	25.38	25.30	25.29	25.35	21.00	21.09	21.05	24.33	24.59	24.35
	16QAM	1	0	**25.65**	25.68	**25.76**	**25.65**	25.53	**25.70**	**21.35**	21.32	**21.44**	**24.66**	24.57	**24.66**
		1	24	25.61	25.59	25.71	25.63	**25.55**	25.69	21.29	**21.33**	21.36	24.61	**24.58**	24.64
		1	49	25.59	**25.69**	25.70	25.63	25.54	25.61	21.23	21.32	21.36	24.62	23.37	24.65
		25	0	24.34	24.40	24.40	24.37	24.30	24.41	20.03	20.12	20.10	23.35	23.42	23.34
		25	12	24.35	24.41	24.42	24.39	24.34	24.41	20.04	20.12	20.13	23.34	23.41	23.38
		25	24	24.34	24.43	24.41	24.36	24.35	24.42	20.00	20.13	20.13	23.35	23.41	23.38
		50	0	24.31	24.40	24.38	24.30	24.33	24.38	20.01	20.09	20.06	23.32	23.29	23.37
	64QAM	1	0	**25.43**	**25.51**	25.40	**24.58**	24.50	24.58	20.38	20.45	**20.52**	23.54	**23.63**	23.60
		1	24	25.42	25.50	25.45	24.55	24.46	24.60	**20.43**	20.47	20.50	**23.55**	23.60	**23.61**
		1	49	25.39	25.49	25.45	24.53	24.50	24.59	20.35	20.45	20.51	23.44	23.62	23.60
		25	0	24.20	**25.51**	**25.47**	23.33	24.49	24.59	19.18	**20.49**	20.51	22.38	23.60	**23.61**
		25	12	24.25	**25.51**	25.41	23.35	**24.53**	24.59	19.22	20.46	20.50	22.39	23.59	**23.61**
		25	24	24.23	**25.51**	25.45	23.35	24.49	**24.61**	19.20	20.47	20.50	22.37	23.62	**23.61**
		50	0	24.21	**25.51**	**25.47**	23.34	24.47	24.60	19.18	20.47	20.51	22.33	23.61	23.59
	256QAM	1	0	**22.32**	22.34	22.26	21.44	21.48	21.41	17.31	17.36	17.35	**20.39**	20.47	**20.44**
		1	24	22.31	**22.41**	**22.31**	**21.46**	**21.53**	21.35	**17.33**	**17.42**	**17.37**	20.36	**20.55**	20.40
		1	49	22.22	22.20	22.19	21.35	21.43	21.29	17.22	17.27	17.31	20.32	20.46	20.38
		25	0	22.19	22.24	22.23	21.34	21.34	21.38	17.19	17.23	17.30	20.35	20.40	20.35
		25	12	22.24	22.28	22.27	21.36	21.35	**21.42**	17.21	17.24	17.32	20.37	20.44	20.38
		25	24	22.20	22.28	22.26	21.36	21.37	21.40	17.21	17.26	17.32	20.35	20.42	20.37
		50	0	22.20	22.27	22.23	21.35	21.33	21.40	17.19	17.23	17.30	20.35	20.41	20.36

OUTPUT POWER FOR LTE BAND 48 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55315	55990	56665	55315	55990	56665	55315	55990	56665	55315	55990	56665
				3557.5	3625.0	3692.5	3557.5	3625.0	3692.5	3557.5	3625.0	3692.5	3557.5	3625.0	3692.5
15.0	QPSK	1	0	25.99	25.83	25.98	25.97	25.91	25.99	21.69	21.66	21.52	**25.00**	24.91	**25.00**
		1	37	**26.00**	**26.00**	**26.00**	25.97	25.98	25.94	**21.70**	**21.70**	**21.70**	24.89	**25.00**	24.96
		1	74	25.95	25.92	25.97	**26.00**	**26.00**	**26.00**	21.63	21.65	21.58	24.98	24.93	24.96
		36	0	25.41	25.29	25.41	25.40	25.38	25.28	21.07	21.09	20.89	24.36	24.34	24.35
		36	16	25.41	25.33	25.42	25.40	25.39	25.29	21.07	21.09	20.92	24.36	24.35	24.37
		36	35	25.44	25.36	25.41	25.41	25.41	25.38	21.07	21.11	20.92	24.35	24.37	24.39
		75	0	23.07	25.32	23.25	23.00	25.40	23.03	18.72	21.10	18.70	22.00	24.34	22.15
	16QAM	1	0	25.72	25.45	25.68	25.64	25.47	25.65	21.34	21.20	21.10	24.65	24.51	24.58
		1	37	**25.73**	**25.68**	**25.72**	**25.74**	**25.60**	**25.66**	**21.38**	**21.38**	21.16	**24.73**	**24.73**	**24.72**
		1	74	**25.73**	25.47	25.69	25.70	25.57	25.64	21.35	21.28	**21.18**	24.62	24.60	24.67
		36	0	24.45	24.31	24.46	24.41	24.40	24.30	20.12	20.11	19.85	23.38	23.35	23.37
		36	16	24.45	24.35	24.45	24.44	24.43	24.30	20.11	20.13	19.88	23.40	23.39	23.40
		36	35	24.46	24.38	24.45	24.44	24.43	24.40	20.10	20.14	19.89	23.38	23.39	23.41
		75	0	23.07	24.34	23.25	23.00	24.42	23.03	18.72	20.12	18.70	22.00	23.35	22.15
	64QAM	1	0	25.60	25.30	**25.51**	24.65	24.52	24.50	20.51	20.39	20.33	**23.60**	23.54	23.49
		1	37	25.60	25.36	25.50	24.67	**24.62**	24.50	**20.59**	20.45	20.35	23.58	23.52	**23.58**
		1	74	**25.62**	25.33	25.50	**24.75**	24.57	24.47	20.56	20.46	20.31	23.55	23.50	23.51
		36	0	24.34	25.31	25.47	23.43	24.60	24.50	19.29	20.39	20.34	22.42	**23.57**	23.54
		36	16	24.34	25.37	25.44	23.41	24.53	**24.51**	19.29	20.34	20.32	22.43	23.45	**23.58**
		36	35	24.35	25.31	25.50	23.46	24.61	24.50	19.33	**20.47**	**20.36**	22.43	23.52	23.49
		75	0	23.07	**25.40**	23.25	23.00	24.52	23.03	18.72	**20.47**	18.70	22.00	23.52	22.15
	256QAM	1	0	22.49	22.28	22.29	21.57	21.44	21.35	17.45	17.44	17.17	20.42	**20.50**	20.46
		1	37	22.49	22.37	22.32	21.55	21.48	21.41	17.42	17.45	17.32	20.38	20.40	20.42
		1	74	**22.57**	**22.38**	**22.38**	**21.59**	**21.54**	**21.47**	**17.51**	**17.54**	**17.41**	**20.45**	20.48	**20.55**
		36	0	22.32	22.19	22.29	21.41	21.37	21.29	17.26	17.32	17.17	20.41	20.35	20.36
		36	16	22.31	22.20	22.31	21.42	21.39	21.30	17.29	17.33	17.17	20.40	20.36	20.39
		36	35	22.31	22.23	22.30	21.43	21.40	21.40	17.32	17.34	17.29	20.40	20.38	20.40
		75	0	22.30	22.22	22.30	21.42	21.40	21.31	17.31	17.33	17.20	20.39	20.38	20.38

OUTPUT POWER FOR LTE BAND 48 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55340	55990	56640	55340	55990	56640	55340	55990	56640	55340	55990	56640
				3560.0	3625.0	3690.0	3560.0	3625.0	3690.0	3560.0	3625.0	3690.0	3560.0	3625.0	3690.0
20.0	QPSK	1	0	25.97	25.90	**26.00**	**26.00**	25.99	25.69	**21.70**	21.66	21.68	**25.00**	24.94	24.99
		1	49	**26.00**	**26.00**	25.97	25.90	25.99	**26.00**	21.65	**21.70**	**21.70**	24.96	**25.00**	**25.00**
		1	99	25.94	25.97	25.91	25.92	**26.00**	25.63	21.62	21.67	21.67	24.94	24.96	24.97
		50	0	25.34	25.28	25.34	25.31	25.32	24.34	21.04	21.02	21.06	24.34	24.32	24.35
		50	24	25.35	25.32	25.35	25.34	25.37	23.09	21.03	21.05	21.08	24.34	24.35	24.38
		50	49	23.00	25.33	23.18	23.00	25.39	24.35	18.71	21.06	18.89	22.01	24.38	22.17
		100	0	25.33	25.30	25.33	25.33	25.36	24.32	21.02	21.03	21.09	24.33	24.34	24.38
	16QAM	1	0	25.66	25.59	25.71	25.56	25.64	**25.97**	21.38	21.36	21.47	24.66	24.63	24.63
		1	49	**25.79**	**25.85**	**25.96**	**25.67**	**25.97**	25.93	**21.41**	**21.64**	**21.65**	**24.70**	**24.88**	**24.98**
		1	99	25.65	25.62	25.56	25.51	25.63	25.91	21.31	21.44	21.44	24.61	24.61	24.66
		50	0	24.38	24.29	24.34	24.35	24.35	25.32	20.08	20.03	20.08	23.35	23.33	23.37
		50	24	23.00	24.33	23.18	23.00	24.38	25.34	18.71	20.06	18.89	22.01	23.36	22.17
		50	49	24.40	24.35	24.37	24.36	24.40	23.09	20.06	20.08	20.11	23.37	23.39	23.42
		100	0	24.36	24.31	24.34	24.34	24.37	25.33	20.05	20.04	20.08	23.34	23.36	23.40
	64QAM	1	0	25.53	25.27	**25.37**	24.53	24.37	24.52	20.59	20.47	20.56	23.48	23.44	**23.50**
		1	49	**26.00**	**25.30**	25.36	**24.62**	24.38	24.54	**21.20**	20.45	**20.57**	**23.57**	**23.46**	23.47
		1	99	25.51	25.29	25.36	24.55	**24.41**	24.53	20.63	20.46	20.55	23.46	23.45	23.49
		50	0	23.00	25.29	23.18	23.00	**24.41**	23.09	18.71	20.48	18.89	22.01	**23.46**	22.17
		50	24	24.25	25.29	**25.37**	23.35	24.38	24.52	19.44	20.47	20.56	22.40	23.44	23.48
		50	49	24.28	25.26	25.34	23.36	24.40	**24.58**	19.45	**20.49**	20.53	22.38	23.43	23.46
		100	0	24.29	25.26	**25.37**	23.34	24.39	**24.58**	19.43	20.45	20.56	22.38	23.45	23.49
	256QAM	1	0	**22.54**	**22.26**	**22.33**	**21.42**	21.42	**21.59**	**17.71**	17.49	**17.63**	**20.52**	**20.51**	**20.43**
		1	49	22.45	22.20	22.27	21.34	21.34	21.51	17.62	17.42	17.48	20.38	20.46	20.39
		1	99	22.52	22.22	22.21	21.37	**21.46**	21.57	17.69	**17.51**	17.54	20.41	20.48	20.35
		50	0	22.24	22.18	22.22	21.30	21.31	21.31	17.41	17.35	17.48	20.37	20.31	20.36
		50	24	22.27	22.23	22.23	21.34	21.35	21.34	17.43	17.39	17.50	20.39	20.35	20.40
		50	49	22.26	22.23	22.25	21.35	21.36	21.35	17.44	17.40	17.51	20.41	20.37	20.41
		100	0	22.27	22.20	22.23	21.32	21.34	21.34	17.43	17.37	17.49	20.39	20.34	20.39

8.12. LTE BAND 66 AND 5G NR n66

LTE BAND 66

Test Engineer ID:	39004	Test Date:	2/1/2022

OUTPUT POWER FOR LTE BAND 66 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131979	132322	132665	131979	132322	132665	131979	132322	132665	131979	132322	132665
				1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3
1.4	QPSK	1	0	25.67	25.67	25.66	25.58	25.67	25.51	25.13	25.12	25.18	24.09	**24.20**	24.17
		1	2	**25.70**	25.68	25.69	25.63	**25.70**	25.60	25.18	25.14	**25.20**	24.13	24.12	**24.20**
		1	5	25.68	25.67	25.63	25.62	25.68	25.57	25.15	25.14	25.10	24.13	24.08	24.18
		3	0	25.67	25.65	25.63	25.63	25.69	25.57	25.19	25.10	25.17	24.13	24.10	24.18
		3	1	25.68	25.66	25.65	25.64	25.69	25.59	25.18	25.10	25.19	24.13	24.12	**24.20**
		3	2	25.68	25.66	25.62	25.65	25.67	25.60	25.17	25.13	25.17	24.15	24.11	24.18
		6	0	24.96	24.94	24.93	24.96	24.98	24.88	24.18	24.10	24.16	23.41	23.10	23.18
	16QAM	1	0	**25.38**	25.34	25.31	25.10	25.30	25.29	24.36	24.45	24.52	22.15	23.26	23.54
		1	2	25.35	25.36	25.33	25.17	25.33	**25.35**	24.36	24.50	**24.53**	22.22	23.32	23.55
		1	5	25.35	25.31	25.32	25.22	25.33	25.32	24.35	24.50	24.47	22.15	23.33	**23.57**
		3	0	25.20	25.17	25.13	25.15	25.15	25.15	24.37	24.30	24.35	22.08	23.24	23.40
		3	1	25.19	25.17	25.13	25.13	25.15	25.13	24.35	24.33	24.33	22.10	23.25	23.39
		3	2	25.16	25.17	25.16	25.12	25.15	25.12	24.39	24.28	24.36	22.06	23.25	23.40
		6	0	24.05	24.06	24.01	23.98	24.06	24.00	23.23	23.13	23.24	21.02	22.12	22.33
	64QAM	1	0	24.19	24.15	24.26	24.14	24.20	24.13	**22.79**	22.65	22.72	21.21	22.35	22.40
		1	2	24.25	24.12	**24.33**	24.18	**24.30**	24.21	22.78	22.65	22.69	21.26	22.42	22.41
		1	5	24.21	24.11	24.25	24.17	24.23	24.06	22.77	22.64	22.71	21.21	22.41	**22.44**
		3	0	24.08	24.12	24.02	24.03	24.01	24.02	21.51	22.62	22.70	21.10	22.18	22.31
		3	1	24.09	24.12	24.02	24.08	24.05	24.01	21.61	22.65	22.70	21.10	22.21	22.29
		3	2	24.08	24.12	24.04	24.05	24.03	24.01	21.59	22.64	22.67	21.13	22.21	22.30
		6	0	23.04	22.88	22.94	22.97	23.04	23.01	21.59	22.63	22.70	19.98	21.19	21.17
	256QAM	1	0	21.05	20.98	20.97	21.01	21.03	20.87	19.50	19.54	19.49	18.07	19.11	19.27
		1	2	**21.19**	21.09	21.09	20.98	**21.04**	20.92	19.65	**19.70**	19.60	18.17	19.14	**19.33**
		1	5	21.06	21.01	20.91	21.00	20.95	20.92	19.54	19.60	19.45	18.04	19.08	19.23
		3	0	20.96	20.99	20.94	20.92	20.93	20.80	19.51	19.44	19.41	18.01	19.04	19.16
		3	1	20.97	20.99	20.95	20.93	20.94	20.83	19.59	19.55	19.44	18.01	19.05	19.19
		3	2	20.97	20.99	20.98	20.94	20.95	20.84	19.55	19.52	19.49	18.02	19.04	19.17
		6	0	20.85	21.01	21.09	20.88	20.91	20.89	19.57	19.51	19.41	17.77	19.15	19.19

OUTPUT POWER FOR LTE BAND 66 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131987	132322	132657	131987	132322	132657	131987	132322	132657	131987	132322	132657
				1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5
3.0	QPSK	1	0	25.59	25.58	25.57	25.57	25.61	25.53	25.12	25.01	25.09	24.04	24.08	24.14
		1	7	**25.70**	25.68	25.69	25.65	**25.70**	25.60	25.19	25.14	**25.20**	24.15	**24.20**	**24.20**
		1	14	25.57	25.58	25.57	25.56	25.62	25.53	25.11	25.04	25.06	24.05	24.12	24.11
		8	0	24.95	24.96	24.96	24.87	24.99	24.87	24.19	24.13	24.17	23.14	23.16	23.14
		8	4	24.98	25.00	24.97	24.93	25.00	24.91	24.22	24.15	24.20	23.16	23.18	23.21
		8	7	24.97	24.98	24.96	24.92	24.97	24.91	24.21	24.16	24.21	23.13	23.18	23.19
		15	0	24.95	24.95	24.95	24.90	24.93	24.90	24.17	24.09	24.16	23.10	23.17	23.16
	16QAM	1	0	25.17	25.23	25.31	25.23	25.22	25.25	24.47	24.30	24.48	23.40	23.35	23.43
		1	7	25.34	25.27	**25.37**	25.25	25.26	**25.31**	24.60	24.44	**24.63**	**23.53**	23.44	23.51
		1	14	25.19	25.22	25.28	25.17	25.22	25.22	24.46	24.34	24.49	23.46	23.37	23.42
		8	0	24.01	24.02	24.01	23.93	23.98	23.96	23.27	23.17	23.25	22.22	22.17	22.18
		8	4	24.07	24.04	24.01	23.97	24.00	23.99	23.27	23.22	23.29	22.24	22.20	22.22
		8	7	24.07	24.04	24.03	23.95	24.00	23.97	23.29	23.22	23.27	22.23	22.19	22.23
		15	0	24.00	23.96	23.94	23.91	23.97	23.96	23.20	23.16	23.17	22.16	22.18	22.19
	64QAM	1	0	24.14	**24.28**	24.18	24.16	24.05	24.18	**22.78**	22.67	22.68	22.30	22.25	22.42
		1	7	24.13	24.23	24.21	24.22	24.19	**24.28**	22.77	22.67	22.65	22.34	22.39	**22.43**
		1	14	24.14	24.18	24.14	24.14	24.10	24.21	22.76	22.66	22.67	22.27	22.25	22.41
		8	0	23.01	23.01	23.01	22.91	22.96	22.93	21.50	22.64	22.66	21.15	21.20	21.19
		8	4	23.08	23.04	23.07	22.95	22.98	22.98	21.60	22.67	22.66	21.17	21.23	21.22
		8	7	23.08	23.04	23.04	22.94	22.99	22.98	21.58	22.66	22.63	21.17	21.20	21.20
		15	0	22.98	22.96	22.98	22.91	22.95	22.91	21.58	22.65	22.66	21.11	21.13	21.14
	256QAM	1	0	21.06	20.99	20.99	21.04	21.05	21.00	19.49	19.56	19.45	19.19	19.11	19.15
		1	7	**21.13**	21.09	21.07	**21.13**	21.10	21.05	19.64	**19.72**	19.56	19.25	**19.25**	19.20
		1	14	21.03	20.96	21.08	20.95	20.94	20.91	19.53	19.62	19.41	19.19	19.17	19.15
		8	0	20.93	20.95	20.93	20.86	20.93	20.88	19.50	19.46	19.37	19.11	19.11	19.15
		8	4	20.97	21.00	20.97	20.90	20.93	20.91	19.58	19.57	19.40	19.14	19.14	19.17
		8	7	20.97	21.00	20.99	20.91	20.93	20.91	19.54	19.54	19.45	19.15	19.19	19.17
		15	0	20.93	20.92	20.92	20.87	20.92	20.87	19.56	19.53	19.37	19.11	19.09	19.12

OUTPUT POWER FOR LTE BAND 66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131997	132322	132647	131997	132322	132647	131997	132322	132647	131997	132322	132647
				1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5
5.0	QPSK	1	0	25.60	25.57	25.62	25.56	25.67	25.55	25.09	25.08	25.14	24.14	24.13	24.18
		1	12	**25.70**	25.68	25.69	25.65	**25.70**	25.60	25.19	25.14	**25.20**	24.15	24.18	**24.20**
		1	24	25.61	25.62	25.62	25.60	25.68	25.54	25.11	25.06	25.08	24.13	24.14	24.16
		12	0	24.93	24.95	24.96	24.93	24.99	24.84	24.12	24.07	24.18	23.13	23.13	23.45
		12	6	24.96	24.94	24.98	24.93	24.98	24.87	24.13	24.09	24.18	23.16	23.12	23.48
		12	11	24.90	24.95	24.95	24.93	25.00	24.83	24.09	24.07	24.12	23.14	23.13	23.46
		25	0	24.94	24.93	24.95	24.92	25.01	24.83	24.09	24.07	24.13	23.12	23.12	23.49
	16QAM	1	0	25.24	25.31	25.33	25.27	25.34	25.27	24.39	24.39	24.59	23.52	23.41	**23.94**
		1	12	25.27	25.39	**25.40**	25.33	**25.38**	25.33	24.47	24.54	**24.64**	23.56	23.51	23.92
		1	24	25.25	25.33	25.33	25.26	25.34	25.28	24.44	24.42	24.50	23.52	23.45	23.87
		12	0	23.92	23.93	24.08	23.92	24.05	23.85	23.08	23.11	23.22	22.18	22.15	22.51
		12	6	23.92	23.96	24.11	23.95	24.03	23.88	23.11	23.13	23.22	22.22	22.16	22.50
		12	11	23.89	23.93	24.06	23.93	24.01	23.84	23.09	23.12	23.19	22.19	22.13	22.49
		25	0	23.94	23.91	23.95	23.92	23.98	23.80	23.13	23.11	23.15	22.12	22.13	22.51
	64QAM	1	0	24.13	**25.20**	24.19	24.18	24.18	24.13	22.80	22.69	22.73	22.36	23.64	22.78
		1	12	24.19	24.19	24.17	24.21	**24.23**	24.17	**22.83**	22.67	22.76	22.42	**23.71**	22.75
		1	24	24.16	24.15	24.17	24.19	24.17	24.10	22.79	22.67	22.77	22.37	23.69	22.75
		12	0	22.99	22.98	22.92	22.90	22.89	22.87	21.41	22.75	22.74	21.10	22.64	21.39
		12	6	23.01	23.01	22.92	22.92	22.92	22.89	21.51	22.72	22.75	21.11	22.62	21.40
		12	11	23.00	22.98	22.89	22.89	22.86	22.86	21.46	22.72	22.73	21.10	22.61	21.37
		25	0	22.93	22.94	22.95	22.90	22.99	22.84	21.50	22.75	22.75	21.13	22.47	21.46
	256QAM	1	0	21.01	21.06	**21.14**	20.86	20.99	20.87	19.49	19.65	19.64	19.21	20.46	19.48
		1	12	21.12	21.12	**21.14**	20.95	**21.02**	20.99	19.50	**19.81**	19.62	19.31	**20.56**	19.47
		1	24	21.08	21.08	21.04	20.90	**21.02**	20.87	19.52	19.74	19.58	19.26	20.52	19.47
		12	0	20.90	20.92	20.93	20.88	20.97	20.82	19.39	19.54	19.45	19.15	20.49	19.45
		12	6	20.93	20.95	20.94	20.90	21.00	20.82	19.49	19.57	19.46	19.17	20.49	19.45
		12	11	20.92	20.92	20.88	20.88	20.97	20.81	19.47	19.52	19.45	19.12	20.48	19.44
		25	0	20.91	20.92	20.93	20.88	20.96	20.79	19.44	19.52	19.46	19.14	20.46	19.43

OUTPUT POWER FOR LTE BAND 66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132022	132322	132622	132022	132322	132622	132022	132322	132622	132022	132322	132622
				1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0
10.0	QPSK	1	0	25.66	25.63	25.66	25.60	25.64	25.53	25.13	25.12	25.19	24.10	24.11	24.17
		1	24	**25.70**	25.68	25.69	25.65	**25.70**	25.60	25.19	25.14	**25.20**	24.15	24.18	**24.20**
		1	49	25.64	25.63	25.63	25.53	25.65	25.53	25.16	25.09	25.10	24.06	24.12	24.12
		25	0	25.05	25.02	24.97	24.96	25.01	24.87	24.15	24.10	24.19	23.48	23.49	23.46
		25	12	25.04	25.02	24.98	24.98	25.00	24.86	24.23	24.18	24.18	23.44	23.52	23.45
		25	24	25.02	25.02	25.02	24.94	24.98	24.94	24.21	24.18	24.22	23.45	23.48	23.53
		50	0	25.02	25.00	24.96	24.96	24.99	24.87	24.20	24.18	24.15	23.48	23.51	23.45
	16QAM	1	0	25.28	25.29	**25.34**	25.25	**25.29**	25.20	24.51	24.51	24.49	23.77	23.79	23.82
		1	24	25.23	25.23	25.24	25.23	25.23	25.13	24.49	**24.53**	24.49	23.67	23.78	**23.87**
		1	49	25.23	25.24	25.28	25.20	25.21	25.21	24.50	24.49	24.40	23.74	23.71	23.78
		25	0	24.07	24.02	24.00	23.98	24.00	23.83	23.17	23.14	23.22	22.47	22.52	22.48
		25	12	24.07	24.03	24.02	23.96	24.03	23.88	23.22	23.22	23.22	22.50	22.48	22.44
		25	24	24.04	24.02	24.07	23.94	24.03	23.93	23.22	23.21	23.26	22.48	22.54	22.57
		50	0	24.05	24.00	23.95	23.93	24.02	23.82	23.22	23.18	23.17	22.47	22.47	22.46
	64QAM	1	0	24.18	24.20	**24.27**	24.17	24.16	24.08	**22.75**	22.70	22.71	22.65	22.69	22.66
		1	24	24.16	24.23	24.24	**24.24**	24.20	24.23	22.74	22.70	22.68	22.72	**22.76**	22.73
		1	49	24.16	24.15	24.19	24.19	24.17	24.14	22.73	22.69	22.70	22.65	22.67	22.68
		25	0	23.05	23.02	22.99	22.93	23.02	22.86	21.47	22.67	22.69	21.46	21.47	21.44
		25	12	23.08	23.04	22.99	22.96	23.02	22.86	21.57	22.70	22.69	21.50	21.48	21.47
		25	24	23.05	23.01	23.04	22.94	22.98	22.89	21.55	22.69	22.66	21.45	21.48	21.51
		50	0	23.06	23.00	22.97	22.96	23.01	22.85	21.55	22.68	22.69	21.47	21.45	21.46
	256QAM	1	0	21.04	21.02	21.10	20.89	21.03	20.93	19.46	19.59	19.48	19.44	19.45	19.56
		1	24	21.14	21.12	**21.20**	20.98	**21.13**	21.01	19.61	**19.75**	19.59	19.53	19.56	**19.68**
		1	49	21.07	21.02	21.09	20.88	21.04	20.90	19.50	19.65	19.44	19.45	19.50	19.51
		25	0	21.06	20.99	20.97	20.92	21.02	20.83	19.47	19.49	19.40	19.49	19.46	19.46
		25	12	21.06	21.00	20.97	20.95	20.98	20.80	19.55	19.60	19.43	19.47	19.46	19.43
		25	24	21.01	20.99	21.03	20.94	20.95	20.92	19.51	19.57	19.48	19.42	19.44	19.48
		50	0	21.02	20.99	20.94	20.91	20.97	20.82	19.53	19.56	19.40	19.44	19.43	19.44

OUTPUT POWER FOR LTE BAND 66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132047	132322	132597	132047	132322	132597	132047	132322	132597	132047	132322	132597
				1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5
15.0	QPSK	1	0	25.61	25.64	25.65	25.65	25.68	25.60	25.14	25.06	25.12	24.09	24.12	24.17
		1	37	**25.70**	25.68	25.69	25.59	25.67	25.50	25.19	25.14	**25.20**	24.15	24.18	**24.20**
		1	74	25.58	25.64	25.65	25.62	**25.70**	25.52	25.15	25.01	25.05	24.04	24.12	24.09
		36	0	25.01	24.89	24.88	25.31	25.16	25.09	24.11	24.06	24.05	23.48	23.38	23.42
		36	16	25.02	24.99	25.00	25.32	25.27	25.18	24.22	24.10	24.07	23.47	23.46	23.49
		36	35	24.97	24.97	24.95	25.27	25.23	25.17	24.20	24.12	24.11	23.42	23.44	23.45
		75	0	24.95	24.95	24.94	25.28	25.21	25.09	24.18	24.11	24.02	23.44	23.45	23.38
	16QAM	1	0	25.25	25.15	25.27	**25.49**	25.46	25.47	24.44	24.36	24.43	23.78	23.70	**23.86**
		1	37	25.30	25.27	**25.35**	**25.49**	25.47	25.48	**24.53**	24.48	24.50	23.85	23.80	23.80
		1	74	25.19	25.17	25.20	25.46	25.42	25.34	24.45	24.36	24.40	23.68	23.72	23.73
		36	0	24.00	23.91	23.92	24.32	24.14	24.12	23.15	23.07	23.09	22.47	22.40	22.43
		36	16	24.02	24.01	23.99	24.33	24.24	24.21	23.24	23.16	23.00	22.48	22.46	22.52
		36	35	23.98	23.98	23.97	24.30	24.22	24.20	23.23	23.15	23.14	22.45	22.43	22.48
		75	0	23.99	23.97	23.98	24.29	24.18	24.09	23.20	23.14	23.04	22.44	22.43	22.40
	64QAM	1	0	24.17	24.17	**24.27**	24.52	24.47	24.45	22.74	22.54	22.62	22.01	22.74	22.67
		1	37	24.24	24.25	24.26	**24.56**	24.53	**24.56**	**22.90**	22.59	22.67	22.12	22.77	**22.78**
		1	74	24.19	24.16	24.25	24.40	24.45	24.52	22.78	22.59	22.59	21.98	22.73	22.62
		36	0	23.01	22.91	22.88	23.31	23.13	23.06	21.43	22.59	22.62	20.78	21.38	21.43
		36	16	23.04	22.98	23.01	23.30	23.20	23.16	21.49	22.62	22.58	20.79	21.47	21.51
		36	35	22.98	22.96	22.96	23.27	23.20	23.15	21.49	22.65	22.64	20.74	21.46	21.48
		75	0	23.00	22.95	22.99	23.26	23.18	23.05	21.48	22.56	22.65	20.74	21.47	21.40
	256QAM	1	0	21.06	21.02	21.05	21.31	21.25	21.10	19.56	19.46	19.43	18.81	19.41	19.51
		1	37	**21.20**	21.16	21.17	**21.47**	21.38	21.18	19.64	**19.70**	19.52	18.91	19.54	**19.67**
		1	74	21.10	21.06	21.04	21.27	21.25	21.14	19.53	19.60	19.39	18.81	19.40	19.51
		36	0	20.99	20.88	20.87	21.26	21.11	21.03	19.41	19.40	19.27	18.74	19.37	19.38
		36	16	21.01	20.95	20.96	21.28	21.20	21.14	19.50	19.51	19.29	18.75	19.48	19.45
		36	35	20.96	20.93	21.00	21.24	21.19	21.13	19.45	19.49	19.32	18.71	19.45	19.46
		75	0	20.99	20.95	20.96	21.26	21.18	21.03	19.47	19.48	19.24	18.74	19.45	19.40

OUTPUT POWER FOR LTE BAND 66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132072	132322	132572	132072	132322	132572	132072	132322	132572	132072	132322	132572
				1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
20.0	QPSK	1	0	25.52	25.62	25.67	25.63	25.65	25.51	25.17	25.14	25.15	24.12	24.09	24.19
		1	49	**25.70**	25.66	25.69	25.65	**25.70**	25.58	25.19	25.02	**25.20**	24.15	24.14	**24.20**
		1	99	25.51	25.68	25.67	25.60	25.66	25.60	25.11	24.96	25.12	24.06	24.18	24.19
		50	0	24.80	24.89	24.90	24.90	24.92	24.77	24.08	24.00	24.11	23.37	23.39	23.44
		50	24	24.86	24.98	24.94	24.97	24.99	24.80	24.17	24.05	24.19	23.45	23.46	23.45
		50	49	24.83	24.94	24.98	24.90	24.96	24.87	24.14	24.01	24.16	23.42	23.44	23.49
		100	0	24.85	24.94	24.89	24.93	24.96	24.79	24.15	24.05	24.09	23.44	23.46	23.41
	16QAM	1	0	25.08	25.19	25.21	25.31	25.28	25.17	24.41	24.59	24.50	23.74	23.76	**23.87**
		1	49	25.23	25.29	**25.45**	25.28	**25.34**	25.23	24.58	24.66	**24.74**	23.71	23.77	23.84
		1	99	25.06	25.20	25.20	25.14	25.29	25.10	24.33	24.35	24.46	23.65	23.73	23.68
		50	0	23.82	23.91	23.94	23.91	23.92	23.77	23.11	23.01	23.15	22.39	22.39	22.42
		50	24	23.87	23.98	23.94	23.97	24.00	23.81	23.19	23.06	23.23	22.47	22.48	22.42
		50	49	23.82	23.98	24.02	23.93	23.95	23.88	23.16	23.03	23.18	22.43	22.44	22.48
		100	0	23.83	23.95	23.93	23.93	23.97	23.78	23.14	23.05	23.08	22.42	22.44	22.40
	64QAM	1	0	24.24	24.09	24.36	24.21	24.24	24.14	22.61	22.53	22.61	22.70	22.75	22.81
		1	49	24.32	24.40	**24.44**	24.18	**24.37**	24.35	**22.69**	22.54	22.63	22.71	**22.87**	22.84
		1	99	24.19	24.12	24.35	24.12	24.29	24.24	22.56	22.52	22.64	22.64	22.77	22.80
		50	0	22.78	22.87	22.91	22.85	22.90	22.75	21.34	22.52	22.65	21.36	21.39	21.40
		50	24	22.86	22.95	22.94	22.93	22.97	22.79	21.41	22.56	22.66	21.45	21.45	21.40
		50	49	22.82	22.94	22.97	22.90	22.93	22.83	21.37	22.52	22.67	21.41	21.43	21.47
		100	0	22.82	22.95	22.91	22.90	22.97	22.76	21.41	22.53	22.65	21.44	21.45	21.43
	256QAM	1	0	20.99	21.00	21.13	21.06	21.05	20.95	**19.57**	19.41	19.40	19.61	19.53	19.67
		1	49	21.11	21.12	**21.27**	21.13	**21.14**	21.05	19.54	**19.57**	19.56	**19.69**	19.64	19.65
		1	99	20.88	21.10	21.11	21.00	21.12	20.99	19.51	19.54	19.34	19.61	19.57	19.57
		50	0	20.76	20.85	20.91	20.83	20.90	20.73	19.34	19.29	19.35	19.40	19.38	19.39
		50	24	20.86	20.94	20.91	20.90	20.97	20.74	19.42	19.39	19.35	19.47	19.46	19.38
		50	49	20.80	20.93	20.98	20.85	20.93	20.82	19.38	19.38	19.38	19.41	19.42	19.43
		100	0	20.82	20.91	20.92	20.86	20.95	20.73	19.40	19.37	19.34	19.44	19.43	19.36

5G NR n66

Test Engineer ID:	39004	Test Date:	2/3/2022

OUTPUT POWER FOR 5G NR n66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				342500	349000	355500	342500	349000	355500	342500	349000	355500	342500	349000	355500
				1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5
5.0	BPSK	1	0	25.42	25.42	25.37	25.38	25.46	25.36	24.93	24.87	24.89	23.98	24.14	24.17
		1	1	25.65	25.60	25.64	25.41	25.46	25.36	25.14	25.11	25.12	24.02	24.05	24.13
		1	23	25.64	25.65	25.61	25.38	25.48	25.36	25.11	25.12	25.16	24.01	24.13	24.11
		1	24	25.47	25.44	25.44	25.36	25.47	25.31	24.93	24.88	24.96	24.00	24.12	24.10
		12	6	**25.69**	25.67	25.66	25.41	**25.49**	25.35	25.18	25.11	**25.19**	24.04	**24.18**	24.13
		25	0	25.40	25.35	25.38	25.33	25.47	25.30	24.88	24.82	24.90	24.01	24.07	24.13
	QPSK	1	0	24.77	24.97	24.93	25.38	**25.53**	25.37	24.45	24.35	24.48	23.93	23.84	23.95
		1	1	25.66	25.66	25.69	25.38	25.51	25.36	25.18	25.08	**25.20**	24.08	24.13	**24.18**
		1	23	**25.70**	25.63	25.64	25.38	25.50	25.38	25.19	25.14	25.18	24.15	24.17	24.17
		1	24	24.76	24.98	24.94	25.36	25.52	25.37	24.44	24.43	24.51	23.85	24.00	23.97
		12	6	25.59	25.68	25.68	25.41	25.47	25.43	25.15	25.11	25.19	24.05	24.17	24.16
		25	0	24.56	24.94	24.94	25.40	25.48	25.41	24.48	24.40	24.49	23.80	23.88	23.97
	16QAM	1	0	23.94	24.17	24.17	25.45	25.41	25.40	23.61	23.61	23.65	23.09	23.12	23.18
		1	1	24.94	25.19	25.18	25.65	25.62	25.60	24.62	24.58	24.63	24.04	24.12	**24.20**
		1	23	24.91	**25.22**	25.18	25.64	**25.70**	25.59	**24.68**	24.63	24.67	24.03	24.17	**24.20**
		1	24	23.88	24.21	24.22	25.42	25.51	25.42	23.67	23.64	23.68	23.06	23.06	23.18
		12	6	24.77	25.00	24.94	25.30	25.44	25.41	24.38	24.36	24.45	23.88	23.94	23.92
		25	0	23.68	23.89	23.93	25.19	25.28	25.22	23.45	23.35	23.40	22.84	22.97	22.93
	64QAM	1	0	23.41	**23.59**	23.56	24.91	24.89	24.91	23.11	23.06	23.04	22.53	22.47	22.58
		1	1	23.53	23.52	23.56	24.91	24.92	**25.00**	**23.13**	23.02	23.08	22.52	22.49	22.54
		1	23	23.44	23.56	23.52	24.92	24.83	24.97	23.10	23.04	23.12	22.52	**22.61**	22.50
		1	24	23.44	23.53	23.53	24.91	24.76	24.86	23.09	23.02	23.05	22.52	22.57	22.49
		12	6	23.38	23.39	23.35	24.66	24.69	24.67	22.87	22.96	23.03	22.47	22.49	22.51
		25	0	23.29	23.36	23.42	24.72	24.78	24.73	22.90	22.89	22.98	22.42	22.44	22.41
	256QAM	1	0	21.33	21.30	21.39	22.61	22.64	22.66	20.86	20.82	20.87	20.27	20.24	20.35
		1	1	21.41	21.32	21.41	22.59	22.66	22.62	**20.99**	20.88	20.94	20.34	**20.46**	20.36
		1	23	21.35	21.40	21.37	22.71	22.71	22.60	20.97	20.80	20.87	20.31	20.41	20.26
		1	24	21.41	21.31	21.39	22.57	22.60	22.57	20.89	20.88	20.82	20.22	20.40	20.37
		12	6	21.40	21.31	21.45	22.63	22.72	22.63	20.89	20.75	20.78	20.23	20.32	20.41
		25	0	**21.48**	21.36	21.38	22.65	**22.77**	22.70	20.89	20.86	20.84	20.28	20.41	20.37

OUTPUT POWER FOR 5G NR n66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				343000	349000	355000	343000	349000	355000	343000	349000	355000	343000	349000	355000
				1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0
10.0	BPSK	1	0	25.42	25.42	25.46	25.39	25.43	25.31	24.87	24.92	24.91	24.09	24.11	24.06
		1	1	25.68	25.62	**25.69**	25.36	**25.48**	25.31	25.09	25.13	**25.15**	24.13	24.11	24.07
		1	50	**25.69**	25.61	**25.69**	25.34	25.44	25.26	25.09	25.14	25.14	24.11	**24.15**	24.02
		1	51	25.48	25.38	25.40	25.31	25.39	25.34	24.88	24.86	24.93	24.06	24.11	24.04
		25	12	25.67	25.58	25.63	25.35	25.46	25.25	25.09	25.06	**25.15**	24.04	24.09	24.05
		50	0	25.45	25.42	25.42	25.36	25.44	25.28	24.87	24.88	24.96	24.04	24.14	24.04
	QPSK	1	0	24.92	24.94	24.95	25.42	25.50	25.33	24.45	24.28	24.28	23.92	23.98	23.90
		1	1	**25.70**	25.68	25.64	25.44	**25.55**	25.31	25.19	25.00	**25.20**	24.15	24.04	24.09
		1	50	25.62	25.66	25.66	25.31	25.48	25.29	25.11	25.11	25.19	24.11	**24.18**	24.04
		1	51	24.59	24.88	24.97	25.36	25.51	25.30	24.34	24.38	24.49	23.89	23.89	23.84
		25	12	25.69	25.64	25.65	25.41	25.49	25.29	25.12	25.12	25.17	24.09	**24.18**	24.05
		50	0	24.62	24.93	24.90	25.44	25.50	25.28	24.40	24.37	24.34	23.88	23.85	23.86
	16QAM	1	0	24.10	24.20	24.15	25.43	25.55	25.33	23.64	23.55	23.46	23.05	23.05	23.00
		1	1	25.12	**25.19**	25.16	25.65	**25.70**	25.59	**24.71**	24.61	24.46	24.13	24.07	24.10
		1	50	24.68	25.09	25.17	25.65	25.68	25.60	24.55	24.63	24.66	24.11	24.18	**24.20**
		1	51	23.74	24.13	24.07	25.42	25.37	25.26	23.56	23.60	23.71	23.05	23.09	23.12
		25	12	24.83	24.88	24.82	25.37	25.39	25.32	24.40	24.41	24.47	23.93	23.89	23.82
		50	0	23.77	23.91	23.98	25.24	25.25	25.13	23.42	23.34	23.41	22.86	22.85	22.86
	64QAM	1	0	**23.63**	**23.63**	23.47	24.91	24.88	24.68	23.09	23.01	**23.15**	22.51	22.51	22.42
		1	1	23.54	23.56	23.54	**24.96**	24.92	24.79	23.10	22.97	23.11	22.43	22.56	22.44
		1	50	23.33	23.57	23.43	24.90	24.79	24.92	23.04	23.02	23.03	22.40	**22.68**	22.52
		1	51	23.35	23.54	23.47	24.95	24.63	24.85	22.98	23.03	22.96	22.37	22.59	22.39
		25	12	23.46	23.52	23.37	24.65	24.79	24.64	22.88	22.89	22.96	22.38	22.48	22.35
		50	0	23.34	23.45	23.35	24.71	24.74	24.65	22.94	22.90	22.95	22.35	22.49	22.34
	256QAM	1	0	21.33	21.26	21.31	22.64	22.71	22.48	20.83	20.90	20.83	20.35	20.36	20.30
		1	1	21.38	21.34	21.33	22.65	22.64	22.73	20.92	20.91	**20.96**	20.35	20.39	20.27
		1	50	21.40	21.30	21.30	22.56	22.73	22.68	20.84	20.78	20.92	20.37	**20.45**	20.33
		1	51	21.33	21.21	21.26	22.48	22.71	22.56	20.81	20.85	20.95	20.33	20.33	20.18
		25	12	**21.50**	21.41	21.31	22.67	**22.74**	22.56	20.88	20.91	20.95	20.30	20.37	20.30
		50	0	21.41	21.42	21.35	22.61	22.71	22.66	20.88	20.91	**20.96**	20.32	20.35	20.31

OUTPUT POWER FOR 5G NR n66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				343500	349000	354500	343500	349000	354500	343500	349000	354500	343500	349000	354500
				1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5
15.0	BPSK	1	0	25.41	25.47	25.40	25.39	25.36	25.30	24.89	24.93	24.94	24.15	24.05	24.14
		1	1	25.59	25.66	25.44	25.34	25.40	25.34	**25.19**	25.11	25.10	24.12	24.01	24.15
		1	77	25.63	**25.68**	25.61	25.30	25.39	25.26	25.13	25.14	25.14	24.08	**24.18**	24.16
		1	78	25.44	25.47	25.34	25.30	25.39	25.29	24.91	24.97	24.98	24.11	24.00	24.10
		36	18	25.48	25.63	25.42	25.29	25.34	25.25	24.98	24.98	25.04	24.00	23.90	24.06
		75	0	25.36	25.43	25.23	25.33	**25.41**	25.29	24.85	24.82	24.82	24.04	23.92	24.07
	QPSK	1	0	24.89	25.00	24.95	25.38	25.44	25.35	24.41	24.43	24.41	23.93	23.88	23.88
		1	1	**25.70**	25.67	25.50	25.38	25.33	25.38	25.18	25.11	25.19	24.11	24.03	**24.18**
		1	77	25.45	25.68	25.69	25.35	**25.46**	25.34	25.11	25.12	**25.20**	24.13	24.04	24.03
		1	78	24.45	24.99	24.97	25.37	25.45	25.33	24.41	24.44	24.49	23.92	23.89	23.92
		36	18	25.36	25.60	25.48	25.27	25.25	25.27	25.07	25.02	25.10	24.00	23.93	24.10
		75	0	24.51	24.90	24.83	25.32	25.36	25.29	24.20	24.34	24.34	23.89	23.81	23.84
	16QAM	1	0	24.09	24.20	24.10	25.46	25.43	25.32	23.70	23.54	23.67	23.16	22.90	23.14
		1	1	25.03	25.23	25.19	25.65	25.58	25.60	24.58	24.60	**24.71**	24.10	24.02	24.03
		1	77	24.65	**25.29**	25.09	25.61	**25.70**	25.59	24.27	24.60	**24.71**	24.11	24.00	**24.20**
		1	78	23.61	24.20	24.19	25.31	25.49	25.35	23.29	23.64	23.74	23.14	23.00	23.15
		36	18	24.60	24.87	24.90	25.30	25.35	25.31	24.36	24.26	24.36	23.83	23.85	23.92
		75	0	23.63	23.94	23.94	25.19	25.22	25.17	23.39	23.34	23.48	22.91	22.83	22.90
	64QAM	1	0	23.68	**23.75**	23.43	**25.02**	24.89	24.82	23.08	22.97	23.04	22.50	22.49	22.50
		1	1	23.63	23.57	23.59	24.84	24.91	24.72	**23.19**	23.10	23.13	22.53	22.43	22.52
		1	77	23.08	23.57	23.67	25.00	24.69	24.87	23.03	23.04	23.09	22.48	22.57	22.50
		1	78	23.13	23.45	23.60	24.94	24.72	24.97	22.93	23.15	23.06	22.47	22.44	**22.62**
		36	18	23.12	23.39	23.29	24.62	24.60	24.56	22.83	22.81	22.89	22.36	22.32	22.40
		75	0	23.19	23.45	23.44	24.65	24.69	24.60	22.92	22.91	22.99	22.39	22.31	22.46
	256QAM	1	0	21.29	21.35	21.30	22.66	22.60	22.63	20.91	20.80	20.91	20.35	20.37	20.34
		1	1	21.39	21.43	21.32	22.66	**22.69**	22.50	20.89	20.76	**20.95**	20.33	20.25	20.39
		1	77	21.40	21.42	21.35	22.59	22.65	22.57	20.77	20.78	20.87	20.20	20.36	20.29
		1	78	21.41	21.39	**21.44**	22.53	22.57	22.60	20.91	20.78	20.89	20.21	**20.39**	20.32
		36	18	21.37	21.38	21.41	22.58	22.57	22.58	20.79	20.77	20.87	20.25	20.26	20.32
		75	0	21.41	21.37	21.40	22.58	22.57	22.55	20.84	20.85	20.92	20.28	**20.39**	20.36

OUTPUT POWER FOR 5G NR n66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				344000	349000	354000	344000	349000	354000	344000	349000	354000	344000	349000	354000
				1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
20.0	BPSK	1	0	25.48	25.41	25.39	25.41	25.51	25.42	24.88	24.95	25.00	24.07	24.12	**24.20**
		1	1	**25.70**	25.68	25.56	25.39	25.54	25.42	**25.16**	25.14	25.15	24.10	24.10	24.14
		1	104	25.69	25.65	25.69	25.30	25.50	25.38	**25.16**	25.11	25.14	23.97	24.18	24.16
		1	105	25.43	25.44	25.43	25.34	**25.55**	25.43	24.85	24.86	24.86	24.00	24.13	24.13
		50	25	25.60	25.59	25.58	25.34	25.42	25.38	25.04	25.02	25.10	24.00	24.07	24.05
		100	0	25.42	25.40	25.35	25.29	25.38	25.36	24.87	24.83	24.81	24.00	24.05	24.02
	QPSK	1	0	24.77	25.06	24.95	25.39	25.54	25.40	24.47	24.43	24.40	23.93	23.97	23.94
		1	1	25.62	**25.64**	25.58	25.43	25.56	25.43	25.19	25.14	25.12	24.15	24.14	24.11
		1	104	**25.64**	25.63	25.63	25.27	**25.57**	25.37	25.19	25.03	**25.20**	24.02	24.15	**24.16**
		1	105	24.65	24.94	25.06	25.31	**25.57**	25.43	24.43	24.44	24.48	23.85	23.96	23.93
		50	25	25.53	25.59	25.62	25.40	25.38	25.36	25.09	25.01	25.00	24.03	24.12	24.13
		100	0	24.36	24.92	24.94	25.33	25.42	25.39	24.19	24.35	24.26	23.78	23.90	23.86
	16QAM	1	0	24.01	24.11	24.10	25.46	25.53	25.42	23.71	23.64	23.60	23.17	23.27	23.15
		1	1	25.05	25.22	25.17	25.65	**25.70**	25.60	24.67	24.65	24.57	24.15	**24.17**	24.15
		1	104	24.85	25.20	**25.27**	25.52	25.62	25.59	**24.73**	24.65	24.56	23.97	24.12	24.12
		1	105	23.84	24.12	24.24	25.32	25.48	25.51	23.58	23.58	23.68	23.02	23.07	23.11
		50	25	24.63	24.86	24.92	25.31	25.38	25.33	24.41	24.34	24.23	23.84	23.94	23.79
		100	0	23.61	23.93	23.89	25.16	25.18	25.24	23.38	23.36	23.38	22.84	22.93	22.84
	64QAM	1	0	23.52	23.62	23.64	24.89	24.97	24.72	23.09	23.11	23.13	22.45	22.59	22.53
		1	1	23.56	23.58	23.64	24.90	24.98	24.72	23.14	23.04	23.00	22.64	22.55	22.51
		1	104	**23.65**	23.53	23.55	24.89	24.74	**25.03**	23.09	23.13	**23.17**	22.47	22.54	**22.66**
		1	105	23.41	23.52	23.62	24.75	24.84	24.86	23.06	23.03	23.02	22.36	22.57	22.48
		50	25	23.32	23.41	23.47	24.64	24.70	24.71	22.81	22.87	22.83	22.29	22.44	22.39
		100	0	23.20	23.43	23.37	24.61	24.76	24.72	22.83	22.86	22.89	22.29	22.45	22.39
	256QAM	1	0	21.40	21.21	21.29	22.59	22.73	22.64	20.92	20.95	20.94	20.29	20.29	20.48
		1	1	21.48	21.33	21.44	22.64	22.78	22.63	**21.02**	20.90	20.81	20.29	20.29	20.36
		1	104	21.36	21.27	21.39	22.46	**22.86**	22.68	20.84	20.75	20.88	20.20	20.37	20.36
		1	105	21.27	21.13	**21.49**	22.57	22.71	22.70	20.85	20.78	20.91	20.07	**20.53**	20.50
		50	25	21.31	21.32	21.45	22.51	22.67	22.63	20.82	20.83	20.86	20.26	20.49	20.34
		100	0	21.38	21.33	21.45	22.56	22.69	22.56	20.85	20.80	20.85	20.18	20.33	20.40

OUTPUT POWER FOR 5G NR n66 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				345000	349000	353000	345000	349000	353000	345000	349000	353000	345000	349000	353000
				1725.0	1745.0	1765.0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0
30.0	BPSK	1	0	25.42	25.40	25.43	25.44	25.43	25.33	24.91	24.93	24.94	24.12	24.08	24.14
		1	1	25.62	25.60	**25.69**	25.39	25.43	25.32	25.10	25.12	25.07	24.15	24.08	**24.16**
		1	158	25.43	25.59	25.55	25.26	25.39	25.37	24.98	25.02	**25.20**	23.87	23.95	24.02
		1	159	25.32	25.38	25.31	25.23	25.44	25.39	24.82	24.87	24.94	23.83	24.02	24.08
		80	40	25.56	25.64	25.55	25.36	25.33	**25.47**	24.97	25.07	25.11	24.01	24.01	24.09
		160	0	25.39	25.49	25.41	25.37	25.37	25.40	24.84	24.95	24.92	24.04	24.01	24.11
	QPSK	1	0	24.82	24.95	24.95	25.40	25.45	25.44	24.43	24.50	24.47	23.89	23.94	24.00
		1	1	**25.70**	25.68	25.59	25.40	**25.50**	25.45	**25.19**	25.14	25.15	24.12	24.12	**24.20**
		1	158	25.57	25.57	25.54	25.25	25.42	25.40	25.03	25.07	25.11	23.85	24.03	24.09
		1	159	24.83	24.89	24.82	25.25	25.44	25.39	24.31	24.39	24.41	23.75	23.83	23.94
		80	40	25.59	25.56	25.57	25.33	25.39	25.46	25.02	25.07	25.12	24.03	24.04	24.10
		160	0	24.80	24.91	24.88	25.32	25.38	25.38	24.34	24.46	24.42	23.82	23.86	23.90
	16QAM	1	0	23.89	24.16	24.09	25.50	25.49	25.41	23.53	23.70	23.71	23.01	23.20	23.10
		1	1	24.96	25.11	25.10	25.65	**25.70**	25.60	**24.72**	24.69	24.66	24.14	**24.18**	**24.18**
		1	158	**25.17**	25.16	25.04	25.50	25.61	25.58	24.56	24.63	**24.72**	23.89	24.07	24.16
		1	159	24.09	24.06	24.13	25.15	25.27	25.48	23.54	23.49	23.59	22.93	22.89	23.11
		80	40	24.92	24.94	24.84	25.41	25.30	25.33	24.31	24.35	24.39	23.77	23.77	23.85
		160	0	23.89	23.97	23.86	25.09	25.18	25.14	23.42	23.44	23.40	22.83	22.85	22.89
	64QAM	1	0	23.48	23.57	23.50	24.97	24.96	24.85	23.02	23.00	23.11	22.51	22.57	22.59
		1	1	**23.64**	**23.64**	23.48	25.00	**25.07**	24.68	23.07	23.07	23.11	22.46	**22.72**	22.45
		1	158	23.45	23.55	23.43	24.85	24.94	25.00	22.93	23.06	23.15	22.40	22.34	22.64
		1	159	23.59	23.58	23.42	24.80	24.72	25.05	22.84	23.03	**23.17**	22.50	22.34	22.50
		80	40	23.37	23.41	23.34	24.67	24.68	24.63	22.81	22.87	22.98	22.31	22.30	22.46
		160	0	23.43	23.38	23.41	24.65	24.67	24.70	22.87	22.93	22.89	22.30	22.34	22.50
	256QAM	1	0	21.44	21.44	21.39	22.63	22.69	22.66	20.88	20.92	20.87	20.36	20.47	20.44
		1	1	21.43	21.32	21.43	22.57	22.83	22.61	20.85	20.91	20.98	20.45	20.30	**20.64**
		1	158	**21.53**	21.49	21.49	22.67	22.77	22.83	20.86	**21.03**	20.96	20.35	20.41	20.52
		1	159	21.50	21.37	21.45	22.59	**22.88**	22.72	20.72	20.93	20.84	20.27	20.34	20.55
		80	40	21.32	21.37	21.35	22.54	22.59	22.68	20.79	20.87	20.93	20.24	20.25	20.39
		160	0	21.35	21.38	21.40	22.51	22.58	22.69	20.84	20.90	20.98	20.25	20.29	20.37

OUTPUT POWER FOR 5G NR n66 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				346000	349000	352000	346000	349000	352000	346000	349000	352000	346000	349000	352000
				1730.0	1745.0	1760.0	1730.0	1745.0	1760.0	1730.0	1745.0	1760.0	1730.0	1745.0	1760.0
40.0	BPSK	1	0	25.45	25.43	25.42	25.37	**25.44**	25.30	24.94	24.87	24.84	24.07	**24.16**	24.13
		1	1	**25.70**	25.68	25.58	25.39	25.38	25.33	**25.19**	25.14	25.07	24.07	24.13	24.12
		1	214	25.52	25.53	25.60	25.23	25.43	25.25	25.12	25.09	25.14	23.76	23.92	23.94
		1	215	25.36	25.42	25.33	25.16	25.30	25.30	24.87	24.84	24.96	23.73	24.01	24.09
		108	54	25.52	25.53	25.61	25.17	25.33	25.38	25.15	25.06	25.07	23.92	24.00	24.08
		216	0	25.40	25.46	25.46	25.24	25.40	25.35	24.94	24.95	24.97	23.93	24.08	24.12
	QPSK	1	0	24.53	24.88	24.93	25.34	**25.49**	25.31	24.08	19.72	24.40	23.87	24.03	23.99
		1	1	25.53	25.58	25.59	25.37	25.48	25.29	25.09	20.85	25.08	24.00	24.18	**24.20**
		1	214	25.54	25.54	25.63	25.09	25.47	25.32	25.16	21.48	25.06	23.78	23.96	24.05
		1	215	24.87	24.82	24.86	25.11	25.31	25.31	24.33	20.24	24.50	23.62	23.74	23.96
		108	54	25.61	25.57	**25.69**	25.13	25.32	25.35	25.17	25.09	**25.20**	23.92	23.98	24.04
		216	0	24.89	24.97	25.01	25.24	25.34	25.33	24.46	24.33	24.53	23.75	23.91	23.90
	16QAM	1	0	24.15	24.15	24.20	25.53	25.39	25.36	23.69	23.59	23.55	23.04	23.17	23.18
		1	1	25.12	25.18	**25.22**	25.65	25.65	25.41	**24.68**	24.52	24.65	24.15	24.10	**24.19**
		1	214	25.14	25.14	25.13	25.37	**25.70**	25.60	24.60	24.52	24.42	23.84	23.98	23.93
		1	215	24.15	24.08	23.90	25.11	25.40	25.41	23.61	23.54	23.34	22.74	22.88	23.08
		108	54	24.91	24.92	25.01	25.24	25.34	25.32	24.45	24.37	24.45	23.74	23.86	23.92
		216	0	23.92	24.00	23.98	25.00	25.17	25.17	23.50	23.41	23.53	22.76	22.89	22.89
	64QAM	1	0	23.55	23.58	23.57	24.81	**25.08**	24.66	**23.15**	23.03	22.99	22.44	22.63	**22.74**
		1	1	23.57	23.57	23.50	24.79	24.83	24.76	**23.15**	23.05	23.00	22.46	22.39	22.64
		1	214	23.49	**23.59**	23.57	24.28	24.79	24.81	22.95	22.85	23.09	22.12	22.22	22.62
		1	215	23.51	23.53	23.40	24.34	24.93	24.76	23.04	22.91	22.89	22.39	22.35	22.66
		108	54	23.34	23.46	23.44	24.45	24.62	24.60	22.91	22.84	22.89	22.22	22.28	22.37
		216	0	23.35	23.47	23.47	24.48	24.66	24.63	22.94	22.89	22.92	22.27	22.35	22.35
	256QAM	1	0	21.29	21.41	21.36	22.57	22.71	22.54	21.01	20.94	20.83	20.40	20.19	20.32
		1	1	21.42	21.41	21.38	22.62	22.73	22.59	21.00	20.91	20.80	20.32	20.38	20.43
		1	214	21.23	**21.61**	21.55	22.56	22.74	22.63	21.01	20.96	21.03	20.06	20.37	20.24
		1	215	21.44	21.59	21.57	22.53	**22.78**	22.54	**21.17**	20.94	20.99	20.26	**20.46**	20.39
		108	54	21.29	21.46	21.39	22.49	22.52	22.53	20.91	20.82	20.89	20.18	20.31	20.39
		216	0	21.32	21.52	21.41	22.52	22.63	22.59	20.98	20.89	20.96	20.22	20.36	20.45

8.13. 5G NR n70

Test Engineer ID:	39004	Test Date:	2/8/2022

OUTPUT POWER FOR 5G NR n70 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				339500	340500	341500	339500	340500	341500	339500	340500	341500	339500	340500	341500
				1697.5	1702.5	1707.5	1697.5	1702.5	1707.5	1697.5	1702.5	1707.5	1697.5	1702.5	1707.5
5.0	BPSK	1	0	25.45	25.51	25.51	**25.65**	25.53	25.29	24.95	24.94	25.00	24.11	24.07	24.12
		1	1	**25.70**	25.65	25.69	25.62	25.47	25.35	25.14	25.13	**25.20**	24.08	24.10	24.08
		1	23	25.59	25.66	25.65	25.52	25.38	25.29	25.16	25.14	25.16	24.07	24.09	24.10
		1	24	25.44	25.45	25.48	25.52	25.37	25.32	24.93	24.93	24.95	24.05	**24.14**	24.07
		12	6	25.63	25.65	25.67	25.50	25.39	25.31	25.16	25.12	25.19	24.04	24.09	24.08
		25	0	25.38	25.40	25.39	25.44	25.34	25.23	24.91	24.84	24.88	23.94	24.10	24.04
	QPSK	1	0	25.02	25.01	25.00	25.62	25.45	25.34	24.50	24.45	24.46	23.93	23.93	23.96
		1	1	25.66	25.67	25.67	**25.64**	25.45	25.34	25.19	25.13	**25.19**	24.15	24.16	24.11
		1	23	25.66	**25.68**	25.64	25.58	25.39	25.30	25.19	25.14	25.15	24.09	**24.17**	24.10
		1	24	24.99	25.02	24.99	25.56	25.44	25.32	24.47	24.42	24.49	23.88	23.92	23.94
		12	6	25.64	25.66	25.66	25.46	25.35	25.29	25.13	25.13	25.14	23.99	24.10	24.06
		25	0	24.89	24.93	24.87	25.49	25.34	25.26	24.42	24.40	24.46	23.83	23.93	23.91
	16QAM	1	0	24.14	24.23	24.21	25.24	25.41	25.39	23.65	23.65	23.73	22.79	23.16	23.12
		1	1	25.17	**25.26**	25.21	25.45	**25.70**	25.60	24.68	24.67	**24.70**	23.85	24.17	**24.20**
		1	23	25.17	**25.26**	25.21	25.37	25.64	25.53	**24.70**	24.64	24.67	23.73	24.18	24.13
		1	24	24.17	24.24	24.22	25.20	25.39	25.33	23.63	23.68	23.59	22.76	23.17	23.08
		12	6	24.93	24.84	24.83	25.54	25.32	25.20	24.40	24.32	24.41	23.80	23.92	23.85
		25	0	23.92	23.99	23.92	25.36	25.19	25.05	23.41	23.39	23.43	22.85	22.86	22.91
	64QAM	1	0	23.60	23.62	23.64	25.18	24.83	24.72	23.11	23.05	23.12	22.75	22.66	22.61
		1	1	23.56	23.62	**23.68**	**25.21**	24.92	24.79	**23.16**	23.09	23.10	**22.78**	22.66	22.56
		1	23	23.60	23.52	23.51	25.03	24.85	24.76	23.05	23.00	23.11	22.66	22.60	22.54
		1	24	23.58	23.60	23.57	25.03	24.82	24.79	23.02	23.03	23.15	22.63	22.53	22.53
		12	6	23.35	23.29	23.29	24.79	24.55	24.42	22.94	22.87	22.96	22.25	22.36	22.34
		25	0	23.39	23.37	23.44	24.78	24.69	24.54	22.91	22.89	22.98	22.33	22.35	22.38
	256QAM	1	0	21.34	21.45	21.33	22.73	22.73	22.58	20.91	20.90	20.95	20.42	20.40	20.36
		1	1	21.35	21.41	21.39	**22.82**	22.75	22.52	20.95	20.89	**20.96**	20.34	20.37	20.33
		1	23	21.40	21.27	21.30	22.74	22.62	22.54	20.92	20.82	20.87	20.32	20.40	20.34
		1	24	21.32	21.35	21.37	22.80	22.63	22.45	20.86	20.88	20.89	20.28	20.27	20.34
		12	6	21.33	**21.46**	21.29	22.69	22.67	22.61	20.88	20.78	20.92	20.29	20.26	20.28
		25	0	21.35	21.40	21.37	22.74	22.64	22.53	20.94	20.84	20.92	20.36	**20.43**	20.30

OUTPUT POWER FOR 5G NR n70 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				340000	340500	341000	340000	340500	341000	340000	340500	341000	340000	340500	341000
				1700.0	1702.5	1705.0	1700.0	1702.5	1705.0	1700.0	1702.5	1705.0	1700.0	1702.5	1705.0
10.0	BPSK	1	0	25.43	25.43	25.37	25.37	25.46	25.42	**25.18**	25.13	25.14	24.00	24.03	**24.20**
		1	1	25.62	25.60	25.66	25.37	25.42	**25.48**	25.16	25.08	25.13	24.02	24.03	24.18
		1	50	25.65	**25.68**	25.64	25.43	25.44	25.37	25.15	25.11	25.13	24.00	23.95	24.10
		1	51	25.42	25.23	25.34	25.35	25.37	25.42	25.15	25.13	25.12	23.99	23.99	24.10
		25	12	25.55	25.56	25.66	25.39	25.41	25.45	25.09	25.05	25.12	23.96	24.00	24.06
		50	0	25.37	25.37	25.48	25.37	25.46	25.45	25.14	25.09	25.16	24.00	24.00	24.12
	QPSK	1	0	24.91	24.87	24.95	25.41	25.48	25.49	25.00	24.94	25.00	23.94	23.84	23.94
		1	1	25.61	25.55	25.69	25.48	**25.51**	25.48	25.18	25.12	**25.20**	24.07	23.98	24.11
		1	50	25.59	25.33	25.50	25.41	25.42	25.40	25.19	25.07	25.11	24.04	23.99	24.07
		1	51	24.73	24.43	24.55	25.41	25.37	25.26	24.87	24.89	24.91	23.83	23.80	23.91
		25	12	**25.70**	25.60	25.59	25.43	25.47	25.39	25.16	25.14	25.17	24.08	24.05	**24.14**
		50	0	24.57	24.46	24.54	25.40	25.46	25.41	24.95	24.92	24.94	23.92	23.84	23.92
	16QAM	1	0	24.01	23.98	24.10	25.44	25.51	25.44	23.83	24.10	24.09	23.12	23.14	23.09
		1	1	25.05	24.98	**25.13**	25.65	25.64	25.59	24.81	25.11	25.13	24.15	**24.18**	24.13
		1	50	24.78	24.41	24.58	25.55	**25.70**	25.60	24.88	**25.14**	25.06	24.11	23.96	24.08
		1	51	23.81	23.50	23.55	25.43	25.48	25.35	23.75	24.12	24.09	23.01	22.96	23.03
		25	12	24.95	24.76	24.79	25.40	25.47	25.38	24.94	24.97	24.97	24.07	23.82	23.90
		50	0	23.86	23.73	23.70	25.23	25.28	25.16	23.90	23.93	23.83	22.88	22.83	22.87
	64QAM	1	0	23.57	23.49	23.53	24.87	**24.93**	24.88	23.62	23.61	23.53	22.74	22.66	22.49
		1	1	**23.61**	23.52	23.48	24.88	24.89	24.85	23.58	**23.62**	23.60	**22.89**	22.67	22.63
		1	50	23.49	23.08	23.19	24.80	24.81	24.70	23.54	**23.62**	23.47	22.55	22.47	22.44
		1	51	23.47	23.19	23.22	24.72	24.79	24.77	23.41	23.43	23.44	22.45	22.36	22.41
		25	12	23.44	23.26	23.40	24.76	24.74	24.73	23.43	23.48	23.43	22.51	22.41	22.37
		50	0	23.40	23.23	23.31	24.76	24.77	24.73	23.41	23.47	23.40	22.44	22.48	22.36
	256QAM	1	0	21.34	21.31	21.36	22.66	22.77	**22.79**	21.40	21.32	21.40	20.43	20.40	20.20
		1	1	21.45	21.33	21.36	22.66	22.75	22.66	**21.55**	21.41	21.37	**20.49**	20.46	20.43
		1	50	**21.46**	21.20	21.33	22.59	22.61	22.54	21.38	21.37	21.33	20.28	20.35	20.27
		1	51	21.24	21.13	21.35	22.57	22.66	22.55	21.30	21.47	21.28	20.23	20.40	20.31
		25	12	21.45	21.32	21.44	22.66	22.69	22.68	21.42	21.38	21.37	20.36	20.44	20.35
		50	0	**21.46**	21.32	21.43	22.68	22.71	22.67	21.36	21.43	21.37	20.36	20.43	20.42

OUTPUT POWER FOR 5G NR n70 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	340500	N/A	N/A	340500	N/A	N/A	340500	N/A	N/A	340500	N/A
				N/A	1702.5	N/A	N/A	1702.5	N/A	N/A	1702.5	N/A	N/A	1702.5	N/A
15.0	BPSK	1	0		25.45			**25.46**			**25.19**			**24.05**	
		1	1		25.62			25.42			25.14			**24.05**	
		1	77		**25.70**			25.44			25.17			23.97	
		1	78		25.25			25.37			**25.19**			24.01	
		36	18		25.58			25.41			25.11			24.02	
		75	0		25.39			**25.46**			25.15			24.02	
	QPSK	1	0		24.89			25.48			25.00			23.86	
		1	1		25.57			**25.51**			25.18			24.00	
		1	77		25.35			25.42			25.13			24.01	
		1	78		24.45			25.37			24.95			23.82	
		36	18		**25.62**			25.47			**25.20**			**24.07**	
		75	0		24.48			25.46			24.98			23.86	
	16QAM	1	0		24.00			25.51			24.16			23.16	
		1	1		**25.00**			25.64			25.17			**24.20**	
		1	77		24.43			**25.70**			**25.20**			23.98	
		1	78		23.52			25.48			24.18			22.98	
		36	18		24.78			25.47			25.03			23.84	
		75	0		23.75			25.28			23.99			22.85	
	64QAM	1	0		23.51			**24.93**			23.67			22.68	
		1	1		**23.54**			24.89			**23.68**			**22.69**	
		1	77		23.10			24.81			**23.68**			22.49	
		1	78		23.21			24.79			23.49			22.38	
		36	18		23.28			24.74			23.54			22.43	
		75	0		23.25			24.77			23.53			22.50	
	256QAM	1	0		21.33			**22.77**			21.38			20.42	
		1	1		**21.35**			22.75			21.47			**20.48**	
		1	77		21.22			22.61			21.43			20.37	
		1	78		21.15			22.66			**21.53**			20.42	
		36	18		21.34			22.69			21.44			20.44	
		75	0		21.34			22.71			21.49			20.43	

8.14. LTE BAND 71 AND 5G NR n71

LTE BAND 71

Test Engineer ID:	39004	Test Date:	2/2/2022

OUTPUT POWER FOR LTE BAND 71 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133147	133297	133447	133147	133297	133447
				665.5	680.5	695.5	665.5	680.5	695.5
5.0	QPSK	1	0	25.60	25.44	25.53	24.57	24.40	24.34
		1	12	**25.70**	25.62	25.64	**24.70**	24.56	24.46
		1	24	25.58	25.45	25.44	24.55	24.41	24.28
		12	0	24.85	24.74	24.85	23.50	23.38	23.39
		12	6	24.97	24.85	24.86	23.62	23.49	23.42
		12	11	24.94	24.81	24.82	23.57	23.45	23.35
		25	0	24.90	24.82	24.84	23.57	23.46	23.35
	16QAM	1	0	25.26	25.11	25.17	23.90	23.79	23.71
		1	12	**25.36**	25.30	25.25	**24.01**	23.97	23.83
		1	24	25.30	25.12	25.15	23.90	23.77	23.68
		12	0	23.90	23.86	23.94	22.50	22.46	22.37
		12	6	23.99	23.99	23.97	22.62	22.56	22.40
		12	11	23.97	23.94	23.91	22.59	22.52	22.35
		25	0	23.94	23.85	23.87	22.63	22.46	22.40
	64QAM	1	0	24.17	24.02	24.03	22.86	22.69	22.63
		1	12	**24.25**	24.12	24.10	**22.87**	22.76	22.66
		1	24	24.17	23.97	24.02	22.79	22.64	22.51
		12	0	22.78	22.91	22.92	21.53	21.42	21.45
		12	6	22.87	23.03	22.96	21.65	21.53	21.48
		12	11	22.84	22.98	22.88	21.59	21.48	21.45
		25	0	22.89	22.82	22.85	21.59	21.48	21.40
	256QAM	1	0	20.94	20.85	20.91	19.57	19.48	19.54
		1	12	**21.07**	20.97	20.94	**19.69**	19.61	19.60
		1	24	20.93	20.85	20.90	19.54	19.48	19.49
		12	0	20.81	20.74	20.87	19.52	19.37	19.39
		12	6	20.92	20.86	20.89	19.62	19.49	19.40
		12	11	20.87	20.81	20.83	19.60	19.43	19.38
		25	0	20.88	20.79	20.83	19.58	19.42	19.38

OUTPUT POWER FOR LTE BAND 71 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133172	133322	133422	133172	133322	133422
				668.0	683.0	693.0	668.0	683.0	693.0
10.0	QPSK	1	0	25.66	25.61	25.63	**24.70**	24.63	24.60
		1	24	25.63	25.62	**25.70**	24.68	24.62	24.62
		1	49	25.58	25.60	25.59	24.63	24.58	24.52
		25	0	24.89	24.86	24.89	23.62	23.56	23.51
		25	12	24.98	24.88	24.91	23.72	23.54	23.52
		25	24	24.92	24.92	24.96	23.67	23.59	23.55
		50	0	24.95	24.92	24.89	23.67	23.51	23.50
	16QAM	1	0	25.36	25.26	**25.38**	**24.08**	23.98	23.94
		1	24	25.23	25.25	25.28	23.92	23.90	23.80
		1	49	25.28	25.28	25.32	23.98	23.87	23.84
		25	0	23.92	23.86	23.96	22.62	22.57	22.52
		25	12	24.00	23.87	23.95	22.69	22.56	22.54
		25	24	23.98	23.95	24.00	22.66	22.62	22.57
		50	0	23.95	23.94	23.91	22.68	22.52	22.49
	64QAM	1	0	**24.30**	24.13	24.19	**22.96**	22.92	22.87
		1	24	24.22	24.10	24.13	22.89	22.87	22.87
		1	49	24.23	24.16	24.15	22.88	22.85	22.78
		25	0	22.92	22.85	22.90	21.63	21.55	21.54
		25	12	23.00	22.87	22.92	21.70	21.55	21.54
		25	24	22.94	22.91	22.96	21.68	21.59	21.50
		50	0	22.96	22.93	22.88	21.69	21.50	21.46
	256QAM	1	0	21.05	20.97	21.02	19.72	19.63	19.58
		1	24	21.08	21.14	**21.15**	19.74	**19.80**	19.73
		1	49	21.02	20.98	21.00	19.69	19.65	19.62
		25	0	20.88	20.83	20.90	19.62	19.55	19.53
		25	12	20.94	20.86	20.90	19.72	19.55	19.50
		25	24	20.90	20.91	20.93	19.65	19.61	19.55
		50	0	20.93	20.90	20.86	19.67	19.50	19.47

OUTPUT POWER FOR LTE BAND 71 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133197	133297	133397	133197	133297	133397
				670.5	680.5	690.5	670.5	680.5	690.5
15.0	QPSK	1	0	**25.70**	25.62	25.63	**24.70**	24.64	24.54
		1	37	25.63	25.59	25.67	24.67	24.66	24.58
		1	74	25.54	25.62	25.60	24.58	24.59	24.44
		36	0	24.88	24.86	24.91	23.62	23.58	23.53
		36	16	24.95	24.93	24.92	23.66	23.64	23.51
		36	35	24.90	24.91	24.95	23.64	23.59	23.55
		75	0	24.90	24.90	24.90	23.66	23.61	23.47
	16QAM	1	0	25.29	25.12	25.16	23.93	23.91	23.80
		1	37	**25.30**	25.20	25.28	**23.97**	23.93	23.95
		1	74	25.14	25.19	25.10	23.80	23.81	23.72
		36	0	23.91	23.88	23.93	22.66	22.61	22.55
		36	16	23.96	23.95	23.93	22.71	22.66	22.55
		36	35	23.94	23.92	23.99	22.65	22.62	22.57
		75	0	23.95	23.92	23.90	22.69	22.65	22.51
	64QAM	1	0	24.23	24.19	24.15	**22.98**	22.86	22.77
		1	37	24.27	24.27	**24.30**	22.96	22.79	22.79
		1	74	24.14	24.25	24.09	22.86	22.82	22.80
		36	0	22.93	22.83	22.92	21.61	21.58	21.52
		36	16	23.00	22.91	22.94	21.69	21.62	21.54
		36	35	22.94	22.89	22.97	21.66	21.60	21.57
		75	0	22.97	22.91	22.92	21.71	21.63	21.52
	256QAM	1	0	21.02	20.89	20.94	19.83	19.73	19.64
		1	37	21.07	20.99	**21.13**	**19.87**	19.81	19.73
		1	74	21.05	21.04	21.04	19.75	19.81	19.70
		36	0	20.90	20.83	20.90	19.64	19.60	19.52
		36	16	20.95	20.89	20.90	19.70	19.64	19.52
		36	35	20.93	20.87	20.93	19.66	19.58	19.55
		75	0	20.99	20.88	20.91	19.69	19.62	19.53

OUTPUT POWER FOR LTE BAND 71 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133222	133322	133372	133222	133322	133372
				673.0	683.0	688.0	673.0	683.0	688.0
20.0	QPSK	1	0	25.61	25.62	25.61	24.69	**24.70**	24.62
		1	49	25.62	**25.70**	25.65	24.67	24.62	24.64
		1	99	25.62	24.88	25.61	24.61	24.64	24.54
		50	0	24.91	24.95	24.89	23.65	23.60	23.58
		50	24	24.97	24.92	25.00	23.70	23.58	23.65
		50	49	24.91	24.96	24.97	23.63	23.61	23.57
		100	0	24.96	25.14	24.92	23.73	23.65	23.58
	16QAM	1	0	25.23	**25.41**	25.24	23.96	23.91	23.87
		1	49	25.24	25.26	25.39	**24.15**	24.09	23.99
		1	99	25.15	23.89	25.16	23.90	23.86	23.77
		50	0	23.92	23.97	23.90	22.69	22.62	22.62
		50	24	23.96	23.94	24.01	22.73	22.60	22.66
		50	49	23.92	23.96	23.96	22.66	22.60	22.62
		100	0	23.99	24.10	23.89	22.69	22.67	22.60
	64QAM	1	0	24.28	24.35	24.21	22.90	22.83	22.90
		1	49	24.43	24.18	**24.49**	22.90	22.98	**23.05**
		1	99	24.27	22.88	24.29	22.85	22.79	22.78
		50	0	22.92	22.94	22.89	21.66	21.59	21.60
		50	24	22.98	22.91	22.97	21.72	21.57	21.65
		50	49	22.88	22.95	22.94	21.65	21.60	21.58
		100	0	22.99	20.94	22.90	21.70	21.67	21.59
	256QAM	1	0	21.06	20.94	21.03	19.75	19.72	19.68
		1	49	21.08	21.16	21.10	**19.89**	19.82	19.80
		1	99	21.10	21.16	**21.22**	19.86	19.85	19.76
		50	0	20.89	20.86	20.88	19.65	19.61	19.59
		50	24	20.95	20.93	20.96	19.70	19.58	19.66
		50	49	20.93	20.91	20.95	19.67	19.61	19.62
		100	0	20.98	20.93	20.86	19.71	19.66	19.58

5G NR n71

Test Engineer ID:	44353	Test Date:	3/16/2022

OUTPUT POWER FOR 5G NR n71 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133100	136100	139100	133100	136100	139100
				665.5	680.5	695.5	665.5	680.5	695.5
5.0	BPSK	1	0	24.94	24.97	24.95	24.46	24.17	24.15
		1	1	25.58	25.49	25.41	**24.69**	24.41	24.25
		1	23	25.57	25.47	25.40	24.58	24.41	24.16
		1	24	25.12	25.02	24.86	24.35	24.19	23.97
		12	6	**25.63**	25.52	25.47	24.61	24.41	24.27
		25	0	25.03	25.01	24.88	24.28	24.10	23.99
	QPSK	1	0	24.66	24.50	24.43	23.84	23.69	23.59
		1	1	**25.70**	25.49	25.43	**24.70**	24.42	24.25
		1	23	25.62	25.53	25.42	24.64	24.42	24.16
		1	24	24.74	24.50	24.40	23.85	23.72	23.54
		12	6	25.63	25.50	25.47	24.55	24.42	24.29
		25	0	24.62	24.47	24.44	23.87	23.67	23.54
	16QAM	1	0	23.77	23.70	23.66	22.65	22.93	22.82
		1	1	24.86	24.71	24.71	23.72	**23.95**	23.80
		1	23	**24.95**	24.70	24.58	23.74	23.94	23.65
		1	24	23.94	23.66	23.60	22.79	22.97	22.76
		12	6	24.78	24.54	24.49	23.85	23.60	23.52
		25	0	23.66	23.52	23.35	22.87	22.73	22.55
	64QAM	1	0	23.36	23.07	23.01	22.44	22.31	22.15
		1	1	**23.43**	23.13	23.04	22.47	22.40	22.23
		1	23	23.34	23.18	23.01	**22.60**	22.38	22.16
		1	24	23.29	23.05	23.03	22.55	22.38	22.31
		12	6	23.10	23.03	22.89	22.37	22.15	21.95
		25	0	23.16	23.03	22.86	22.30	22.18	21.94
	256QAM	1	0	21.19	20.87	20.87	20.49	20.08	20.00
		1	1	**21.20**	20.91	20.84	**20.51**	20.13	20.10
		1	23	21.07	20.91	20.77	20.38	20.22	20.05
		1	24	21.06	20.93	20.79	20.35	20.17	19.99
		12	6	21.13	20.99	20.83	20.41	20.22	20.08
		25	0	21.14	21.01	20.89	20.46	20.28	20.07

OUTPUT POWER FOR 5G NR n71 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133600	136600	138600	133600	136600	138600
				668.0	683.0	693.0	668.0	683.0	693.0
10.0	BPSK	1	0	25.13	25.30	25.02	24.37	24.38	23.86
		1	1	**25.61**	25.59	25.52	24.52	24.62	24.19
		1	50	25.50	25.52	25.41	24.41	**24.70**	24.11
		1	51	25.01	25.29	24.90	24.20	24.46	23.91
		25	12	25.49	25.51	25.42	24.42	24.50	24.07
		50	0	25.04	25.28	24.92	24.24	24.35	23.94
	QPSK	1	0	24.63	24.81	24.55	23.72	23.90	23.58
		1	1	**25.70**	25.59	25.56	24.56	24.60	24.26
		1	50	25.56	25.50	25.39	24.39	**24.66**	24.21
		1	51	24.48	24.85	24.34	23.69	23.93	23.41
		25	12	25.57	25.44	25.45	24.43	24.60	24.18
		50	0	24.58	24.73	24.46	23.74	23.89	23.45
	16QAM	1	0	23.65	23.67	23.79	22.92	23.08	22.84
		1	1	24.79	24.72	**24.83**	23.93	**24.11**	23.80
		1	50	**24.83**	24.67	24.61	23.89	24.04	23.67
		1	51	23.76	23.66	23.60	22.92	23.05	22.63
		25	12	24.65	24.76	24.42	23.84	23.89	23.47
		50	0	23.60	23.77	23.46	22.72	22.86	22.37
	64QAM	1	0	23.18	**23.50**	23.18	22.43	**22.55**	22.33
		1	1	23.32	23.45	23.20	22.48	22.43	22.34
		1	50	23.30	23.40	23.04	22.44	**22.55**	22.12
		1	51	23.25	**23.50**	23.03	22.43	22.52	22.10
		25	12	23.15	23.34	22.93	22.30	22.42	22.11
		50	0	23.10	23.35	22.90	22.33	22.34	22.07
	256QAM	1	0	21.24	21.25	20.91	20.28	20.24	20.11
		1	1	21.20	21.31	20.89	**20.42**	20.26	20.11
		1	50	20.95	21.37	20.70	20.16	20.29	19.87
		1	51	20.99	**21.44**	20.71	20.12	20.35	19.82
		25	12	21.14	21.31	20.87	20.30	20.31	20.08
		50	0	21.07	21.28	20.88	20.27	20.36	20.00

OUTPUT POWER FOR 5G NR n71 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				134100	136100	138100	134100	136100	138100
				670.5	680.5	690.5	670.5	680.5	690.5
15.0	BPSK	1	0	25.14	25.00	24.90	24.50	24.35	24.29
		1	1	**25.61**	25.50	25.32	**24.69**	24.54	24.43
		1	77	25.47	25.33	25.15	24.57	24.36	24.25
		1	78	24.99	24.84	24.67	24.38	24.19	23.86
		36	18	25.46	25.42	25.17	24.48	24.44	24.15
		75	0	24.96	24.97	24.71	24.32	24.28	24.03
	QPSK	1	0	24.65	24.61	24.47	23.87	23.59	23.75
		1	1	**25.70**	25.57	25.46	**24.70**	24.36	24.43
		1	77	25.50	25.37	25.22	24.62	24.31	24.23
		1	78	24.51	24.38	24.16	23.90	23.65	23.51
		36	18	25.53	25.45	25.29	24.60	24.47	24.34
		75	0	24.55	24.45	24.31	23.86	23.75	23.63
	16QAM	1	0	23.75	23.75	23.66	22.99	23.07	23.00
		1	1	**24.79**	24.69	24.70	**24.11**	24.08	23.99
		1	77	24.67	24.56	24.40	24.02	23.97	23.69
		1	78	23.72	23.49	23.46	23.04	22.94	22.61
		36	18	24.42	24.37	24.33	23.90	23.73	23.64
		75	0	23.51	23.40	23.35	22.91	22.78	22.62
	64QAM	1	0	23.14	23.20	23.12	22.54	22.49	22.46
		1	1	23.24	23.19	23.16	22.54	**22.60**	22.45
		1	77	**23.32**	23.07	22.78	22.57	22.33	22.10
		1	78	23.18	23.09	22.76	**22.60**	22.26	22.12
		36	18	22.91	22.92	22.74	22.41	22.19	22.07
		75	0	23.00	22.89	22.72	22.41	22.32	22.09
	256QAM	1	0	**21.14**	20.97	20.80	20.47	20.33	20.26
		1	1	**21.14**	20.91	20.83	**20.51**	20.34	20.10
		1	77	20.82	20.89	20.64	20.39	20.04	20.02
		1	78	20.95	20.76	20.48	20.29	20.06	19.97
		36	18	21.00	20.94	20.75	20.39	20.27	20.10
		75	0	21.10	20.91	20.70	20.49	20.28	20.08

OUTPUT POWER FOR 5G NR n71 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				134600	136600	137600	134600	136600	137600
				673.0	683.0	688.0	673.0	683.0	688.0
20.0	BPSK	1	0	25.16	25.37	25.05	24.37	24.45	24.09
		1	1	**25.69**	25.50	25.51	24.49	**24.65**	24.30
		1	104	25.47	25.40	25.33	24.29	24.53	23.93
		1	105	24.94	25.12	24.78	24.05	24.35	23.80
		50	25	25.51	25.38	25.41	24.35	24.57	24.18
		100	0	25.08	25.18	24.88	24.18	24.41	23.99
	QPSK	1	0	24.65	24.95	24.59	23.77	24.00	23.68
		1	1	**25.70**	25.55	25.53	24.57	**24.70**	24.41
		1	104	25.55	25.39	25.37	24.33	24.55	24.09
		1	105	24.48	24.75	24.37	23.67	23.89	23.39
		50	25	25.57	25.40	25.43	24.43	24.57	24.23
		100	0	24.56	24.75	24.42	23.71	23.81	23.53
	16QAM	1	0	23.96	24.17	23.81	22.91	23.11	22.92
		1	1	25.02	**25.10**	24.77	24.08	**24.28**	23.96
		1	104	24.69	24.78	24.57	23.78	24.01	23.55
		1	105	23.76	23.83	23.67	22.90	22.99	22.56
		50	25	24.51	24.65	24.42	23.74	23.84	23.53
		100	0	23.59	23.76	23.38	22.72	22.77	22.50
	64QAM	1	0	23.40	**23.68**	23.27	22.51	**22.62**	22.40
		1	1	23.42	23.55	23.08	22.53	22.35	22.33
		1	104	23.24	23.15	22.96	22.33	22.48	21.93
		1	105	23.11	23.15	22.91	22.31	22.51	22.11
		50	25	23.01	23.15	22.78	22.29	22.30	22.01
		100	0	23.15	23.18	22.80	22.27	22.35	22.02
	256QAM	1	0	21.26	**21.36**	20.83	20.27	20.39	20.08
		1	1	21.25	21.33	20.93	20.30	**20.44**	20.09
		1	104	20.87	21.20	20.84	20.21	20.37	19.97
		1	105	20.97	21.18	20.71	20.18	20.33	19.91
		50	25	21.12	21.16	20.77	20.27	20.35	19.95
		100	0	21.12	21.14	20.75	20.24	20.34	19.95

8.15. 5G NR n77 (FCC Part 27 3450-3550MHz)

Test Engineer ID:	44353	Test Date:	3/16/2022

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630333	633332	636333	630333	633332	636333	630333	633332	636333	630333	633332	636333
				3455.0	3500.0	3545.0	3455.0	3500.0	3545.0	3455.0	3500.0	3545.0	3455.0	3500.0	3545.0
10.0	BPSK	1	0	24.92	25.71	25.62	24.86	25.83	26.05	27.98	**28.69**	28.64	23.80	24.85	**25.00**
		1	1	27.94	28.66	28.66	25.43	26.41	26.49	27.96	28.64	28.63	23.82	24.85	24.98
		1	22	28.00	28.66	28.68	25.50	**26.50**	26.47	27.95	28.67	28.63	23.80	24.77	24.90
		1	23	24.94	25.64	25.62	24.90	25.88	25.92	27.95	**28.69**	28.62	23.79	24.81	24.90
		12	6	27.93	28.67	28.66	25.42	26.42	26.47	27.89	28.61	28.62	23.76	24.82	24.86
		24	0	27.87	**28.70**	28.69	24.94	25.87	25.90	27.94	28.65	28.66	23.80	24.82	24.92
	QPSK	1	0	24.96	25.70	**28.70**	24.38	25.36	25.48	27.80	28.50	28.50	23.74	24.66	24.74
		1	1	27.66	28.66	28.63	25.41	26.44	**26.50**	27.98	28.68	**28.70**	23.87	24.80	24.91
		1	22	27.65	28.65	28.63	25.41	26.48	26.47	27.99	28.63	28.61	23.84	24.81	24.87
		1	23	24.93	25.66	25.63	24.36	25.33	25.41	27.67	28.45	28.41	23.63	24.62	24.71
		12	6	27.63	28.69	28.59	25.42	26.44	26.47	27.96	**28.70**	28.67	23.88	24.87	**24.94**
		24	0	26.75	27.84	27.76	24.39	25.38	25.45	27.75	28.48	28.44	23.72	24.66	24.72
	16QAM	1	0	24.73	25.92	25.86	23.32	24.62	24.50	26.63	27.66	27.59	22.92	23.96	23.89
		1	1	26.75	28.01	**28.14**	24.26	25.64	25.65	27.61	28.67	28.63	23.95	**25.00**	24.93
		1	22	26.79	28.08	27.93	24.29	**25.66**	25.64	27.68	**28.70**	28.56	23.91	24.78	24.88
		1	23	24.68	25.84	25.80	23.21	24.54	24.65	26.55	27.68	27.59	22.81	23.78	23.83
		12	6	24.95	24.76	24.78	25.35	25.47	25.38	27.74	28.53	28.47	23.87	24.64	24.70
		24	0	23.86	23.73	23.69	25.18	25.28	25.16	26.70	27.49	27.33	22.68	23.65	23.67
	64QAM	1	0	23.57	23.49	23.52	24.82	**24.93**	24.88	26.42	27.17	27.03	22.54	23.48	23.29
		1	1	**23.61**	23.52	23.47	24.83	24.89	24.85	26.38	**27.18**	27.10	22.69	**23.49**	23.43
		1	22	23.49	23.08	23.18	24.75	24.81	24.70	26.34	**27.18**	26.97	22.35	23.29	23.24
		1	23	23.47	23.19	23.21	24.67	24.79	24.77	26.21	26.99	26.94	22.25	23.18	23.21
		12	6	23.44	23.26	23.39	24.71	24.74	24.73	26.23	27.04	26.93	22.31	23.23	23.17
		24	0	23.40	23.23	23.30	24.71	24.77	24.73	26.21	27.03	26.90	22.24	23.30	23.16
	256QAM	1	0	21.34	21.31	21.35	22.61	22.77	**22.79**	24.20	24.88	24.90	20.23	21.22	21.00
		1	1	21.45	21.33	21.35	22.61	22.75	22.66	24.35	24.97	24.87	20.29	**21.28**	21.23
		1	22	**21.46**	21.20	21.32	22.54	22.61	22.54	24.18	24.93	24.83	20.08	21.17	21.07
		1	23	21.24	21.13	21.34	22.52	22.66	22.55	24.10	**25.03**	24.78	20.03	21.22	21.11
		12	6	21.45	21.32	21.43	22.61	22.69	22.68	24.22	24.94	24.87	20.16	21.22	21.15
		24	0	**21.46**	21.32	21.42	22.63	22.71	22.67	24.16	24.99	24.87	20.16	21.21	21.22

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630500	633332	636166	630500	633332	636166	630500	633332	636166	630500	633332	636166
				3457.5	3500.0	3542.5	3457.5	3500.0	3542.5	3457.5	3500.0	3542.5	3457.5	3500.0	3542.5
15.0	BPSK	1	0	24.83	25.68	25.62	24.87	25.92	25.74	24.91	25.28	25.36	23.61	24.66	24.73
		1	1	27.91	**28.70**	28.63	25.38	**26.50**	26.40	27.97	28.61	28.65	23.78	24.88	**25.00**
		1	36	28.00	28.69	28.69	25.45	**26.50**	26.32	27.99	**28.70**	**28.70**	23.90	24.97	24.85
		1	37	24.94	25.65	25.62	24.92	26.00	25.71	24.90	25.27	25.40	23.63	24.72	24.65
		18	9	27.92	28.66	28.55	25.20	26.32	26.25	27.80	28.51	28.55	23.83	24.72	24.84
		36	0	27.89	28.68	28.57	24.65	25.88	25.68	27.23	27.97	28.22	23.60	24.60	24.70
	QPSK	1	0	25.01	25.67	25.68	24.28	25.42	25.34	24.94	25.33	25.40	23.17	24.17	23.61
		1	1	27.55	28.47	28.57	25.33	26.40	26.11	26.97	27.68	27.86	23.95	24.96	24.43
		1	36	27.48	28.53	28.54	25.35	**26.50**	26.04	27.00	27.74	27.91	23.87	**25.00**	24.38
		1	37	24.83	25.67	25.71	24.20	25.41	25.23	24.89	25.31	25.34	23.15	24.21	23.55
		18	9	27.49	**28.65**	28.64	25.27	26.34	26.13	26.98	27.64	**27.97**	23.86	24.82	24.55
		36	0	26.66	27.74	27.80	24.27	25.23	25.07	26.10	26.78	27.05	23.13	24.16	23.62
	16QAM	1	0	25.04	25.95	26.06	23.53	24.60	24.44	25.20	25.64	25.66	22.41	23.28	22.85
		1	1	26.98	28.09	**28.13**	24.48	25.53	25.32	26.31	27.02	27.34	23.37	24.34	23.80
		1	36	26.93	27.92	27.99	24.50	**25.57**	25.40	26.37	27.06	**27.35**	23.41	**24.41**	23.97
		1	37	25.04	25.89	25.88	23.39	24.70	24.33	25.06	25.60	25.65	22.39	23.50	23.00
		18	9	26.73	27.81	27.86	24.26	25.35	25.18	26.19	26.91	27.19	23.08	24.18	23.81
		36	0	25.73	26.81	27.03	23.14	24.30	24.01	25.29	26.03	26.25	22.03	23.06	22.84
	64QAM	1	0	25.02	25.82	25.97	22.82	24.10	23.73	24.93	25.53	25.77	21.79	**22.97**	22.56
		1	1	25.61	26.55	**26.76**	22.85	24.00	23.82	24.90	25.74	**26.10**	21.90	22.68	22.78
		1	36	25.62	26.51	26.66	22.75	24.05	23.82	24.93	25.91	26.05	21.93	22.96	22.55
		1	37	25.08	25.80	25.91	22.98	**24.22**	23.83	25.11	25.47	25.59	22.00	22.94	22.64
		18	9	25.46	26.43	26.64	22.66	23.75	23.57	24.69	25.49	25.80	21.67	22.55	22.40
		36	0	25.35	26.38	26.50	22.73	23.77	23.54	24.72	25.47	25.87	21.61	22.55	22.43
	256QAM	1	0	23.81	24.60	24.63	20.83	21.86	21.58	23.25	24.13	24.38	19.86	20.29	**20.65**
		1	1	23.83	24.48	24.62	20.82	21.82	21.57	23.27	24.04	24.26	19.59	20.28	20.42
		1	36	23.67	24.57	24.65	20.76	21.71	21.44	23.29	24.23	**24.49**	19.74	20.15	20.61
		1	37	23.78	24.62	**24.70**	20.79	**21.90**	21.59	23.42	24.30	24.41	19.67	20.41	20.54
		18	9	23.83	24.44	24.68	20.63	21.83	21.51	23.21	23.95	24.23	19.60	20.25	20.54
		36	0	23.83	24.46	24.66	20.76	21.89	21.60	23.26	23.96	24.36	19.61	20.38	20.61

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630666	633332	635998	630666	633332	635998	630666	633332	635998	630666	633332	635998
				3460.0	3500.0	3540.0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0
20.0	BPSK	1	0	25.09	25.85	25.90	24.92	26.00	25.88	25.24	25.88	25.94	20.59	21.63	21.73
		1	1	27.96	28.70	**28.70**	25.48	**26.50**	26.44	27.99	28.64	**28.70**	24.00	24.90	24.97
		1	49	28.00	28.69	28.70	25.50	26.42	26.43	28.00	**28.70**	28.69	23.96	**25.00**	**25.00**
		1	50	25.10	25.95	25.79	24.94	25.98	25.92	25.09	25.93	25.88	20.61	21.70	21.72
		25	12	27.88	28.67	28.69	25.36	26.43	26.44	27.83	28.63	28.69	23.93	24.98	24.98
		50	0	27.90	28.70	28.59	24.86	25.85	25.95	27.61	28.60	28.69	23.63	24.69	24.54
	QPSK	1	0	25.08	25.93	25.93	23.97	25.14	25.42	25.10	25.88	25.97	20.71	21.75	21.73
		1	1	27.53	28.66	**28.70**	24.90	26.09	26.38	27.15	28.20	28.43	23.26	**24.33**	24.17
		1	49	27.52	28.63	**28.70**	24.88	26.17	26.43	27.19	28.18	28.48	23.24	24.26	24.16
		1	50	25.03	25.94	25.89	24.00	25.24	25.43	25.10	25.92	25.89	20.59	21.76	21.70
		25	12	27.75	28.70	28.63	24.97	26.19	**26.50**	27.24	28.33	**28.63**	23.34	24.32	24.24
		50	0	26.77	27.91	27.98	23.98	25.28	25.41	26.30	27.38	27.56	22.42	23.37	23.32
	16QAM	1	0	25.07	26.15	26.10	23.21	24.52	24.61	25.06	26.16	26.10	20.58	21.90	21.94
		1	1	26.69	28.06	28.16	24.30	25.51	25.66	26.25	27.70	**28.70**	22.43	23.66	23.58
		1	49	26.84	28.10	**28.20**	24.28	**25.70**	25.61	26.17	27.53	27.74	22.34	**23.74**	23.54
		1	50	24.91	26.02	26.32	23.28	24.51	24.77	24.89	26.09	26.00	20.48	21.94	21.93
		25	12	26.98	28.07	28.17	24.10	25.37	25.42	26.43	27.48	27.73	22.53	23.50	23.35
		50	0	25.99	27.14	27.15	23.19	24.31	24.36	25.42	26.56	26.72	21.62	22.58	22.53
	64QAM	1	0	25.29	26.21	26.12	22.90	24.00	24.04	25.16	26.10	26.06	20.92	21.80	21.78
		1	1	25.71	26.87	26.86	22.85	24.09	24.17	25.02	26.28	26.43	21.34	22.38	22.21
		1	49	25.75	26.82	**27.02**	23.08	24.15	**24.20**	25.48	26.40	26.38	21.50	**22.41**	22.19
		1	50	25.25	26.09	26.01	22.86	24.01	24.13	25.00	26.14	26.00	20.98	22.07	21.90
		25	12	25.53	26.67	26.72	22.75	23.89	23.73	25.08	26.21	**26.45**	21.21	22.16	22.04
		50	0	25.62	26.67	26.71	22.76	23.88	23.79	25.09	26.20	26.36	21.23	22.15	22.03
	256QAM	1	0	24.12	**24.94**	24.84	20.74	21.90	21.68	23.63	24.67	24.78	19.74	20.69	20.60
		1	1	24.08	24.88	24.89	20.71	21.75	21.76	23.62	24.76	**24.86**	19.69	**20.77**	20.58
		1	49	24.07	24.92	24.77	20.73	**21.94**	21.78	23.72	24.78	24.76	19.69	20.61	20.66
		1	50	24.02	24.93	24.90	20.60	21.88	21.74	23.72	24.61	24.71	19.56	20.74	20.59
		25	12	23.99	24.83	24.80	20.71	21.85	21.67	23.56	24.78	24.74	19.57	20.61	20.59
		50	0	24.08	24.92	24.82	20.71	21.89	21.67	23.60	24.81	24.82	19.65	20.69	20.59

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631000	633332	635666	631000	633332	635666	631000	633332	635666	631000	633332	635666
				3465.0	3500.0	3535.0	3465.0	3500.0	3535.0	3465.0	3500.0	3535.0	3465.0	3500.0	3535.0
30.0	BPSK	1	0	25.18	25.90	25.79	25.04	25.82	25.94	25.19	25.95	25.92	20.66	21.62	21.74
		1	1	28.00	28.62	28.70	25.45	**26.50**	26.48	27.92	28.70	**28.70**	24.00	**25.00**	**25.00**
		1	76	27.86	**28.70**	28.65	25.50	26.35	**26.50**	28.00	28.63	28.63	23.94	24.93	24.98
		1	77	25.18	25.81	25.81	24.97	25.88	25.99	25.11	25.83	25.83	20.55	21.67	21.57
		36	18	27.78	28.62	28.57	25.33	26.38	26.40	27.91	28.57	28.63	23.87	24.90	24.91
		75	0	27.90	28.68	28.66	24.92	25.86	25.87	27.68	28.52	28.57	23.62	24.58	24.46
	QPSK	1	0	25.11	25.93	25.89	23.87	25.01	25.26	25.22	25.93	25.83	20.75	21.69	21.66
		1	1	27.67	28.57	**28.68**	24.81	25.83	26.18	27.19	28.12	28.25	23.28	**24.30**	24.18
		1	76	27.72	28.50	28.67	24.84	25.99	**26.22**	27.32	28.19	**28.38**	23.33	24.17	24.18
		1	77	25.20	25.83	25.91	23.94	25.02	25.33	25.26	25.88	25.90	20.62	21.80	21.64
		36	18	27.67	28.53	28.56	24.61	25.81	26.17	27.18	28.08	28.31	23.15	24.23	24.01
		75	0	26.84	27.63	27.70	23.83	24.89	25.21	26.36	27.19	27.36	22.23	23.20	23.05
	16QAM	1	0	25.42	26.24	26.16	23.16	24.29	24.49	25.43	26.21	26.02	20.83	21.90	21.93
		1	1	27.04	27.85	27.93	24.22	25.19	**25.53**	26.61	27.43	27.68	22.65	**23.75**	23.42
		1	76	27.10	**28.02**	28.02	24.19	25.21	25.45	26.91	27.60	**27.83**	22.40	23.61	23.42
		1	77	25.32	26.11	26.06	23.27	24.18	24.61	25.26	26.13	26.11	20.88	22.05	21.90
		36	18	26.88	27.76	27.90	23.94	25.04	25.36	26.41	27.23	27.64	22.34	23.42	23.23
		75	0	25.96	26.83	26.94	23.06	24.16	24.33	25.53	26.32	26.58	21.47	22.47	22.25
	64QAM	1	0	25.45	26.08	26.00	22.53	23.91	**24.22**	25.11	25.93	26.10	20.73	21.85	21.88
		1	1	25.63	26.74	**26.75**	22.57	23.74	24.12	25.13	26.00	26.17	21.48	**22.39**	22.14
		1	76	25.71	26.70	**26.75**	22.69	23.91	24.03	25.40	26.22	**26.52**	21.12	22.12	22.02
		1	77	25.34	25.97	26.20	22.90	23.90	23.94	25.28	25.93	26.07	20.71	21.98	21.71
		36	18	25.52	26.43	26.59	22.54	23.58	23.79	25.13	25.90	26.14	21.01	22.11	21.94
		75	0	25.56	26.44	26.55	22.53	23.69	23.93	25.13	25.95	26.16	20.99	22.08	21.89
	256QAM	1	0	24.07	24.79	24.87	20.78	21.64	**21.94**	23.52	24.50	24.65	19.69	20.56	20.51
		1	1	24.04	**25.00**	24.88	20.85	21.68	21.86	23.72	24.44	24.88	19.65	**20.68**	20.43
		1	76	24.03	24.56	24.79	20.77	21.81	21.84	23.55	24.43	**24.92**	19.44	20.67	20.56
		1	77	24.09	24.59	24.81	20.81	21.76	21.64	23.73	24.53	24.79	19.45	20.60	20.49
		36	18	24.12	24.71	24.84	20.73	21.44	21.82	23.74	24.58	24.74	19.48	20.54	20.47
		75	0	24.09	24.70	24.89	20.75	21.51	21.84	23.66	24.48	24.64	19.52	20.57	20.40

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631332	633332	635332	631332	633332	635332	631332	633332	635332	631332	633332	635332
				3470.0	3500.0	3530.0	3470.0	3500.0	3530.0	3470.0	3500.0	3530.0	3470.0	3500.0	3530.0
40.0	BPSK	1	0	25.22	25.84	25.83	24.89	26.01	25.90	25.24	25.91	25.90	20.60	21.68	21.72
		1	1	27.98	28.68	28.69	25.47	**26.50**	**26.50**	28.00	28.66	28.53	24.00	**25.00**	24.96
		1	104	28.00	**28.70**	**28.70**	25.50	26.41	26.45	27.99	**28.70**	**28.70**	23.85	24.99	**25.00**
		1	105	25.20	25.89	25.90	24.99	25.93	25.93	25.25	25.96	25.88	20.54	21.75	21.68
		50	25	27.76	28.51	28.53	25.25	26.35	26.38	27.95	28.57	28.48	23.81	24.94	24.86
		100	0	27.88	28.58	28.58	24.82	25.80	25.90	27.78	28.54	28.51	23.65	24.76	24.62
	QPSK	1	0	25.26	25.98	25.95	23.88	25.16	25.29	25.25	25.99	25.79	20.64	21.80	21.79
		1	1	27.86	28.65	**28.70**	24.74	25.96	26.20	27.27	28.16	28.20	23.55	**24.53**	24.39
		1	104	27.93	28.56	28.64	24.88	26.09	**26.31**	27.44	28.24	**28.34**	23.39	24.49	24.34
		1	105	25.27	25.93	25.93	24.05	25.23	25.43	25.32	26.07	25.86	20.66	21.81	21.79
		50	25	27.78	28.53	28.58	24.67	25.93	26.16	27.24	28.03	28.25	23.31	24.28	24.24
		100	0	26.86	27.63	27.81	23.78	24.87	25.20	26.40	27.14	27.26	22.46	23.49	23.34
	16QAM	1	0	25.43	26.06	26.11	23.00	24.13	24.49	25.52	26.16	26.07	20.86	21.91	21.97
		1	1	27.04	27.82	27.83	23.87	25.15	25.30	26.51	27.26	27.22	22.75	**23.79**	23.51
		1	104	27.08	27.80	**27.92**	23.94	25.17	**25.47**	26.49	27.27	**27.56**	22.51	23.71	23.60
		1	105	25.51	26.14	26.31	23.08	24.06	24.43	25.46	26.24	26.20	20.81	22.05	21.97
		50	25	27.02	27.67	**27.92**	23.91	25.10	25.32	26.42	27.23	27.45	22.50	23.60	23.40
		100	0	26.07	26.65	26.97	22.93	24.05	24.37	25.47	26.24	26.37	21.50	22.60	22.41
	64QAM	1	0	25.38	26.05	26.11	22.48	23.71	23.91	25.04	26.10	26.06	20.98	22.13	21.84
		1	1	25.90	26.45	26.49	22.58	23.64	24.08	25.05	26.04	26.04	21.07	**22.42**	22.07
		1	104	25.75	26.56	**26.60**	22.55	23.76	**24.17**	25.08	25.92	**26.17**	21.28	22.20	22.25
		1	105	25.39	25.89	26.30	22.49	23.84	**24.17**	25.13	26.15	25.96	20.70	21.92	21.86
		50	25	25.65	26.40	26.58	22.52	23.60	23.94	24.95	25.85	26.04	21.28	22.34	22.04
		100	0	25.58	26.31	26.54	22.48	23.48	23.98	25.00	25.82	25.96	21.20	22.19	21.93
	256QAM	1	0	24.14	**24.94**	24.85	20.72	21.81	22.00	23.37	24.40	24.50	19.48	**20.78**	20.28
		1	1	23.87	24.82	24.78	20.68	21.82	**22.06**	23.37	24.54	24.34	19.47	20.76	20.36
		1	104	24.13	24.72	24.89	20.80	21.85	21.99	23.42	24.43	24.53	19.54	20.59	20.46
		1	105	24.23	24.89	24.90	20.95	21.73	21.96	23.64	24.24	24.58	19.52	20.75	20.41
		50	25	24.07	24.70	24.81	20.76	21.64	21.82	23.65	24.44	24.58	19.47	20.56	20.33
		100	0	24.08	24.71	24.90	20.79	21.61	21.86	23.47	24.29	**24.64**	19.47	20.61	20.38

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631666	633332	634998	631666	633332	634998	631666	633332	634998	631666	633332	634998
				3475.0	3500.0	3525.0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0
50.0	BPSK	1	0	25.17	25.79	25.88	24.95	25.93	25.94	25.07	25.89	25.82	20.65	21.63	21.71
		1	1	28.00	**28.70**	28.65	25.50	26.50	**26.50**	28.00	**28.70**	28.70	24.00	**25.00**	**25.00**
		1	131	27.76	28.53	28.56	25.37	26.32	26.31	27.68	28.56	28.63	23.80	24.70	24.93
		1	132	24.94	25.80	25.74	24.70	25.77	25.80	25.03	25.66	25.77	20.53	21.38	21.55
		64	32	27.82	28.53	**28.70**	25.30	26.33	26.31	27.84	28.55	28.66	23.89	24.77	24.91
		128	0	27.88	28.54	**28.70**	24.75	25.87	25.80	27.86	28.58	28.70	23.67	24.64	24.73
	QPSK	1	0	25.18	25.91	25.98	24.11	25.11	25.37	25.22	26.00	25.98	20.82	21.68	21.78
		1	1	27.93	28.69	**28.86**	24.94	26.05	26.20	27.42	28.35	28.59	23.69	24.72	**24.74**
		1	131	27.83	28.56	28.73	24.94	26.17	26.32	27.46	28.43	**28.67**	23.59	24.55	**24.74**
		1	132	25.02	25.71	25.86	24.11	25.25	25.26	24.97	25.76	25.75	20.48	21.48	21.58
		64	32	27.81	28.54	28.66	24.95	26.14	**26.34**	27.39	28.25	28.55	23.66	24.51	24.63
		128	0	27.10	27.78	28.14	24.02	25.22	25.30	26.39	27.36	27.62	22.71	23.56	23.62
	16QAM	1	0	25.51	26.11	26.31	23.14	24.40	24.79	25.40	26.22	26.19	21.10	21.81	21.93
		1	1	27.17	27.93	28.18	24.32	25.49	25.47	26.58	27.72	27.87	22.94	23.88	**23.90**
		1	131	27.31	27.83	**28.31**	24.13	**25.55**	25.32	26.61	27.81	**28.05**	22.94	23.80	23.83
		1	132	25.32	25.86	26.11	23.52	24.60	24.35	25.32	25.96	26.01	20.70	21.63	21.81
		64	32	27.09	27.85	28.21	24.08	25.35	25.28	26.62	27.46	27.67	22.85	23.69	23.72
		128	0	26.20	26.90	27.25	23.12	24.32	24.32	25.64	26.47	26.72	21.89	22.70	22.79
	64QAM	1	0	25.59	26.05	26.19	22.85	**24.10**	23.97	25.29	26.04	26.15	20.86	22.04	21.82
		1	1	25.62	26.38	26.94	22.75	23.88	23.91	25.43	26.15	26.30	21.54	22.74	**22.75**
		1	131	26.00	26.59	**27.02**	22.66	23.92	23.89	25.09	26.07	**26.60**	21.45	22.49	22.47
		1	132	25.18	25.80	26.05	22.91	23.80	24.03	25.10	25.70	25.78	20.55	21.40	21.91
		64	32	25.82	26.60	26.89	22.72	23.74	23.68	25.18	25.98	26.37	21.57	22.32	22.33
		128	0	25.74	26.52	26.84	22.65	23.77	23.75	25.13	25.97	26.30	21.44	22.29	22.37
	256QAM	1	0	24.27	24.83	**24.85**	20.86	**21.87**	21.77	23.41	24.64	24.82	19.68	20.54	**20.93**
		1	1	24.28	24.72	24.76	20.92	21.72	21.68	23.44	24.55	24.84	19.84	20.45	20.62
		1	131	23.88	24.43	24.68	20.64	21.44	21.71	23.55	24.54	24.62	19.54	20.30	20.72
		1	132	23.74	24.47	24.70	20.66	21.66	21.66	23.50	24.50	**24.93**	19.41	20.44	20.45
		64	32	24.08	24.65	24.83	20.67	21.71	21.62	23.72	24.53	24.84	19.57	20.45	20.57
		128	0	24.03	24.67	24.82	20.70	21.73	21.68	23.65	24.49	24.81	19.59	20.50	20.61

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632000	633332	634666	632000	633332	634666	632000	633332	634666	632000	633332	634666
				3480.0	3500.0	3520.0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0
60.0	BPSK	1	0	25.19	25.58	25.91	25.14	26.05	25.87	25.27	25.96	25.75	20.67	21.64	21.73
		1	1	27.94	28.51	**28.69**	25.45	**26.50**	**26.50**	27.91	28.70	**28.70**	24.00	**25.00**	**25.00**
		1	160	27.89	28.48	28.61	25.50	**26.50**	26.25	28.00	28.53	28.60	23.95	24.74	24.82
		1	161	25.17	25.75	25.75	24.80	25.93	25.86	25.11	25.77	25.73	20.57	21.40	21.54
		81	40	28.00	28.50	28.64	25.50	**26.50**	26.44	27.97	28.68	28.61	23.89	24.92	24.92
		162	0	27.97	28.55	28.66	24.99	26.05	25.89	27.97	28.68	28.60	23.73	24.74	24.75
	QPSK	1	0	25.28	25.87	25.95	24.15	25.39	25.51	25.21	26.06	25.97	20.69	21.69	21.67
		1	1	27.98	28.70	**28.70**	25.05	26.32	26.27	27.65	28.38	28.48	23.73	**24.81**	24.70
		1	160	28.04	28.45	28.54	25.15	**26.39**	26.37	27.78	28.51	**28.58**	23.60	24.71	24.72
		1	161	25.14	25.56	25.85	24.22	25.44	25.31	25.25	25.82	25.71	20.56	21.53	21.46
		81	40	27.97	28.43	28.68	25.12	26.31	26.35	27.45	28.37	28.34	23.60	24.49	24.53
		162	0	27.33	27.91	28.13	24.32	25.54	25.39	26.74	27.62	27.71	22.69	23.69	23.68
	16QAM	1	0	25.51	25.94	26.25	23.36	24.94	24.67	25.59	26.13	26.01	20.93	21.61	21.92
		1	1	27.20	27.91	**28.49**	24.37	25.61	**25.70**	26.89	27.83	**28.01**	23.04	24.05	**24.10**
		1	160	27.38	28.05	28.21	24.28	**25.70**	25.36	26.91	27.91	27.81	22.91	23.84	24.06
		1	161	25.45	26.00	26.12	23.56	24.44	24.36	25.31	26.07	25.94	20.78	21.58	21.80
		81	40	27.26	27.89	28.15	24.30	25.46	25.37	26.76	27.52	27.55	22.83	23.72	23.77
		162	0	26.43	26.99	27.23	23.39	24.51	24.36	25.84	26.61	26.73	21.92	22.76	22.83
	64QAM	1	0	25.33	26.00	26.01	23.02	24.29	24.20	25.16	26.08	25.86	20.67	21.74	22.03
		1	1	26.03	26.93	**27.05**	23.07	**24.35**	24.15	25.34	26.30	26.34	21.63	22.56	**22.66**
		1	160	26.30	26.82	26.95	22.74	23.89	24.07	25.50	**26.45**	26.28	21.74	22.46	22.59
		1	161	25.30	25.68	25.79	22.95	23.87	24.02	25.26	26.02	25.64	20.67	21.63	21.57
		81	40	25.97	26.63	26.84	22.91	23.95	23.85	25.39	26.25	26.25	21.49	22.31	22.35
		162	0	25.97	26.56	26.82	22.89	23.97	23.79	25.42	26.22	26.31	21.50	22.35	22.41
	256QAM	1	0	24.05	24.77	**24.94**	20.86	**22.00**	21.63	23.64	24.47	24.74	19.60	20.81	20.71
		1	1	24.30	24.60	24.85	21.06	21.87	21.74	23.99	24.88	24.76	19.76	20.50	20.57
		1	160	24.15	24.48	24.86	20.67	21.74	21.68	23.65	**24.89**	24.67	19.49	20.29	20.48
		1	161	24.28	24.42	24.59	20.69	21.83	21.63	23.86	24.51	24.63	19.49	20.45	**20.82**
		81	40	24.16	24.61	24.78	20.81	21.89	21.78	23.87	24.79	24.68	19.59	20.48	20.63
		162	0	24.15	24.65	24.82	20.87	21.88	21.80	23.95	24.71	24.79	19.58	20.49	20.62

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632333	633332	634333	632333	633332	634333	632333	633332	634333	632333	633332	634333
				3485.0	3500.0	3515.0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0
70.0	BPSK	1	0	24.75	25.28	25.49	24.92	25.82	25.73	25.20	25.62	25.90	23.76	24.90	24.61
		1	1	28.00	28.56	28.57	25.39	26.38	26.35	27.92	28.64	**28.70**	23.95	**25.00**	**25.00**
		1	187	27.90	28.62	28.65	25.45	**26.44**	26.30	27.93	28.67	28.59	23.75	24.96	24.64
		1	188	24.62	25.25	25.17	24.82	25.83	25.86	25.21	25.78	25.83	23.44	24.74	24.51
		90	45	27.94	**28.67**	28.66	25.41	26.39	26.34	27.86	28.54	28.58	23.85	**25.00**	24.75
		180	0	27.76	28.48	28.40	24.91	25.89	25.74	27.92	28.55	28.66	23.70	24.87	24.61
	QPSK	1	0	24.70	25.44	25.42	24.20	25.46	25.34	25.25	25.94	25.92	22.79	24.06	23.87
		1	1	27.87	28.62	28.50	25.23	26.22	26.31	27.90	28.38	28.66	23.66	**24.94**	24.64
		1	187	27.93	**28.70**	28.69	25.18	**26.50**	26.40	27.99	**28.70**	28.65	23.67	24.80	24.67
		1	188	24.70	25.39	25.25	24.39	25.35	25.38	25.23	25.83	25.83	22.91	24.11	23.89
		90	45	27.59	28.42	28.41	25.18	26.25	26.37	27.57	28.30	28.50	23.53	24.77	24.49
		180	0	26.85	27.58	27.55	24.34	25.39	25.38	26.86	27.50	27.77	22.68	24.05	23.62
	16QAM	1	0	24.99	25.43	25.38	23.57	24.78	24.54	25.42	26.07	26.06	21.98	23.19	23.03
		1	1	27.17	27.88	27.93	24.39	25.49	**25.75**	27.00	27.62	**28.01**	22.82	24.11	23.77
		1	187	27.13	**27.94**	27.94	24.62	25.54	25.60	27.08	27.98	27.92	22.70	**24.16**	23.79
		1	188	24.91	25.46	25.47	23.80	24.46	24.57	25.40	25.85	26.09	21.95	23.52	23.02
		90	45	26.73	27.65	27.60	24.35	25.33	25.41	26.73	27.50	27.78	22.82	23.95	23.71
		180	0	25.83	26.70	26.65	23.37	24.35	24.38	25.91	26.63	26.85	21.82	23.05	22.71
	64QAM	1	0	24.81	25.47	25.65	23.10	24.02	**24.20**	25.40	25.91	26.18	21.41	22.71	22.56
		1	1	25.65	26.23	26.42	22.81	24.14	24.13	25.68	26.16	26.40	21.68	22.65	22.62
		1	187	25.64	26.44	**26.51**	23.11	23.61	24.04	25.77	26.45	**26.87**	21.33	**22.95**	22.41
		1	188	24.78	25.43	25.40	22.99	24.04	24.08	25.11	25.67	26.15	21.38	22.84	22.40
		90	45	25.57	26.40	26.38	22.81	23.73	23.90	25.35	25.96	26.26	21.43	22.65	22.32
		180	0	25.43	26.29	26.31	22.82	23.77	23.94	25.37	26.14	26.30	21.48	22.66	22.37
	256QAM	1	0	23.74	24.26	24.25	20.94	21.68	21.76	23.99	24.77	24.59	19.45	**20.96**	20.49
		1	1	23.31	**24.46**	24.41	20.94	21.63	**21.91**	24.17	24.58	**24.88**	19.40	20.80	20.65
		1	187	23.54	24.34	24.46	20.66	21.77	21.60	23.90	24.58	24.75	19.41	20.70	20.42
		1	188	23.37	24.37	24.09	20.38	21.50	21.81	24.10	24.58	24.60	19.36	20.69	20.54
		90	45	23.54	24.39	24.31	20.71	21.71	21.75	24.02	24.67	24.83	19.48	20.73	20.32
		180	0	23.61	24.41	24.38	20.75	21.82	21.85	23.92	24.71	24.83	19.50	20.75	20.43

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632666	633332	633998	632666	633332	633998	632666	633332	633998	632666	633332	633998
				3490.0	3500.0	3510.0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0
80.0	BPSK	1	0	25.12	25.76	25.78	25.00	26.14	26.11	25.06	25.89	25.85	20.57	21.65	21.70
		1	1	27.83	28.48	28.57	25.42	**26.50**	26.49	28.00	28.59	**28.70**	24.00	**25.00**	24.95
		1	215	27.87	28.41	28.52	25.46	26.47	26.39	27.91	28.62	28.63	23.81	24.79	**25.00**
		1	216	25.15	25.73	25.79	25.06	25.88	25.98	25.01	25.83	25.90	20.60	21.53	21.66
		108	54	27.86	28.50	**28.70**	25.50	**26.50**	**26.50**	27.87	28.57	28.66	23.93	24.92	**25.00**
		216	0	27.93	28.51	28.52	24.94	25.97	25.91	27.83	28.56	**28.70**	23.72	24.75	24.78
	QPSK	1	0	25.29	25.74	25.70	24.37	25.43	25.48	25.15	25.85	26.13	20.66	21.46	21.68
		1	1	28.00	28.58	**28.76**	25.27	26.30	26.38	27.68	28.47	28.68	23.92	24.68	**24.91**
		1	215	27.97	28.70	28.59	25.50	**26.50**	26.45	27.95	**28.70**	28.66	23.73	24.69	24.85
		1	216	25.18	25.83	25.71	24.58	25.52	25.43	25.00	25.86	25.88	20.65	21.65	21.69
		108	54	27.91	28.44	28.53	25.33	26.35	26.38	27.48	28.37	28.56	23.68	24.57	24.56
		216	0	27.49	28.14	28.24	24.43	25.48	25.40	26.92	27.70	27.94	22.88	23.76	23.79
	16QAM	1	0	25.33	26.13	26.20	23.62	24.61	24.84	25.39	26.10	25.97	21.06	21.83	21.97
		1	1	27.82	28.19	**28.49**	24.90	**25.87**	25.66	26.82	27.67	27.94	23.13	23.87	**24.08**
		1	215	27.52	28.37	28.37	24.78	25.86	25.52	27.07	27.72	**28.20**	22.96	23.75	23.96
		1	216	25.12	26.00	25.86	23.49	24.39	24.59	25.34	26.20	26.04	20.84	21.99	21.85
		108	54	27.37	27.96	28.08	24.42	25.32	25.45	26.74	27.45	27.75	22.87	23.86	23.80
		216	0	26.54	27.24	27.35	23.39	24.33	24.40	25.98	26.80	26.99	22.01	22.80	22.92
	64QAM	1	0	25.20	26.00	25.91	23.04	24.28	24.01	25.50	25.81	26.24	20.83	21.55	22.18
		1	1	26.11	26.60	26.85	22.91	24.31	**24.36**	25.63	26.51	26.71	21.74	**22.84**	22.67
		1	215	26.27	27.06	**27.10**	23.29	23.78	24.00	25.67	26.74	**26.74**	21.50	22.46	22.78
		1	216	25.23	25.89	25.90	23.21	24.08	23.97	25.20	26.15	26.07	20.95	21.83	21.70
		108	54	26.06	26.73	26.86	22.85	23.81	23.91	25.38	26.16	26.45	21.66	22.45	22.49
		216	0	26.08	26.75	26.81	22.87	23.82	23.94	25.48	26.31	26.50	21.52	22.40	22.49
	256QAM	1	0	24.02	24.87	**24.94**	20.91	**22.14**	21.82	23.96	24.69	24.85	19.62	20.65	20.63
		1	1	24.03	24.75	24.93	20.77	22.02	21.69	23.93	24.90	24.88	19.59	20.62	20.63
		1	215	24.11	24.66	24.83	20.59	21.97	21.91	24.15	24.76	24.84	19.53	20.35	20.65
		1	216	24.03	24.70	24.60	20.96	22.03	21.91	23.96	24.68	24.89	19.60	20.42	20.69
		108	54	24.00	24.76	24.81	20.86	21.93	21.87	23.86	24.56	24.91	19.69	20.56	20.64
		216	0	23.99	24.72	24.80	20.89	21.96	21.88	23.98	24.80	**24.95**	19.70	20.60	**20.70**

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				633000	633332	633666	633000	633332	633666	633000	633332	633666	633000	633332	633666
				3495.0	3500.0	3505.0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0
90.0	BPSK	1	0	25.17	25.64	25.72	25.06	25.81	25.69	25.22	25.78	25.86	20.56	21.90	21.62
		1	1	27.95	28.40	28.63	25.50	26.38	26.34	27.92	28.54	28.60	23.93	25.00	24.98
		1	243	28.00	**28.70**	28.54	25.48	**26.50**	26.27	28.00	**28.70**	**28.70**	24.00	25.02	24.92
		1	244	25.22	25.76	25.71	24.99	26.04	25.67	25.14	25.98	25.94	20.69	21.85	21.75
		120	60	27.94	28.47	28.54	25.49	26.39	26.28	27.83	28.58	28.66	23.92	**25.05**	25.00
		243	0	27.91	28.49	28.54	24.98	25.88	25.82	27.89	28.63	28.69	23.72	24.87	24.81
	QPSK	1	0	25.35	25.69	25.88	24.31	25.40	25.28	24.93	26.12	26.05	20.69	21.73	21.65
		1	1	27.74	28.60	**28.70**	25.28	26.09	26.19	27.77	28.42	28.60	23.84	**25.00**	24.75
		1	243	28.02	28.66	28.59	25.46	26.32	**26.50**	27.99	28.62	**28.70**	23.60	24.73	24.69
		1	244	25.28	25.82	25.78	24.63	25.50	25.30	25.13	25.92	25.92	20.66	21.74	21.79
		120	60	27.84	28.46	28.58	25.32	26.13	26.18	27.64	28.32	28.39	23.71	24.74	24.62
		243	0	27.39	28.03	28.13	24.42	25.33	25.28	27.03	27.71	27.80	22.86	23.89	23.79
	16QAM	1	0	25.49	26.03	26.21	23.62	24.61	24.33	25.35	26.34	26.37	21.10	22.08	21.87
		1	1	27.39	28.11	28.16	24.71	**25.67**	25.49	26.84	27.95	27.75	23.15	**24.30**	23.97
		1	243	27.48	28.24	**28.39**	24.51	25.60	25.47	27.32	27.90	**28.22**	23.02	24.10	23.93
		1	244	25.30	26.02	26.16	23.75	24.70	24.57	25.36	26.03	25.92	20.97	22.05	22.00
		120	60	27.28	27.98	28.10	24.39	25.36	25.28	26.69	27.57	27.57	22.97	23.99	23.85
		243	0	26.43	27.19	27.21	23.33	24.28	24.27	26.02	26.80	26.84	22.05	23.08	22.93
	64QAM	1	0	25.33	25.75	26.04	23.17	23.95	24.12	25.31	25.98	25.97	20.97	21.97	21.55
		1	1	26.17	26.77	**26.86**	23.03	23.92	24.07	25.45	26.42	26.13	21.49	**22.92**	22.40
		1	243	26.07	26.71	26.81	22.98	23.77	23.74	25.56	26.47	**26.74**	21.63	22.85	22.79
		1	244	25.29	26.01	26.11	23.10	**24.18**	24.11	25.43	26.36	25.79	20.67	22.12	21.75
		120	60	25.89	26.62	26.75	22.79	23.72	23.86	25.45	26.15	26.27	21.69	22.81	22.53
		243	0	26.03	26.73	26.74	22.80	23.70	23.74	25.55	26.37	26.36	21.57	22.61	22.46
	256QAM	1	0	23.84	24.82	**24.87**	20.81	21.65	21.83	23.83	24.70	24.73	19.78	20.80	20.81
		1	1	24.12	24.62	24.67	21.03	21.68	21.56	24.15	24.84	24.72	19.72	20.94	20.68
		1	243	23.88	24.55	24.64	20.85	21.76	21.71	24.05	24.73	**24.94**	19.50	20.63	20.98
		1	244	23.83	24.61	24.82	20.92	21.81	**21.87**	23.96	24.82	24.88	19.67	**21.01**	20.62
		120	60	23.98	24.69	24.76	20.88	21.80	21.79	23.92	24.75	24.78	19.75	20.77	20.69
		243	0	23.98	24.58	24.72	20.87	21.75	21.76	23.99	24.75	24.80	19.72	20.82	20.67

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				N/A	633332	N/A	N/A	633332	N/A	N/A	633332	N/A	N/A	633332	N/A
				N/A	3500.0	N/A	N/A	3500.0	N/A	N/A	3500.0	N/A	N/A	3500.0	N/A
100.0	BPSK	1	0		25.77			26.10			25.79			21.82	
		1	1		**28.70**			**26.50**			28.55			24.98	
		1	271		28.65			**26.50**			**28.70**			**25.00**	
		1	272		25.85			26.06			25.93			21.73	
		135	67		28.57			26.44			28.58			24.89	
		270	0		28.60			25.86			28.63			24.81	
	QPSK	1	0		25.82			25.32			25.93			21.71	
		1	1		28.65			26.18			28.29			**24.78**	
		1	271		**28.77**			**26.37**			**28.56**			24.68	
		1	272		25.93			25.44			25.96			21.68	
		135	67		28.55			26.25			28.33			24.68	
		270	0		28.17			25.33			27.69			23.76	
	16QAM	1	0		26.34			24.51			26.13			21.95	
		1	1		28.20			25.33			27.53			23.92	
		1	271		**28.29**			**25.87**			**28.13**			**24.10**	
		1	272		26.08			24.44			26.38			21.99	
		135	67		28.12			25.33			27.52			23.90	
		270	0		27.24			24.34			26.77			22.88	
	64QAM	1	0		26.04			23.85			26.10			21.93	
		1	1		26.67			23.99			**26.40**			22.36	
		1	271		**26.99**			**24.04**			26.13			**22.74**	
		1	272		25.97			23.99			25.93			21.83	
		135	67		26.77			23.79			26.23			22.46	
		270	0		26.80			23.75			26.35			22.46	
	256QAM	1	0		24.95			21.53			24.68			20.54	
		1	1		24.63			21.74			24.58			**20.78**	
		1	271		**25.00**			21.61			24.84			20.50	
		1	272		24.84			**21.88**			**24.87**			20.77	
		135	67		24.72			21.80			24.68			20.70	
		270	0		24.76			21.76			24.75			20.72	

8.16. 5G NR n77 (FCC Part 27 3700-3980MHz)

Test Engineer ID:	44353	Test Date:	3/16/2022

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			Ant 8			ANT 9			ANT 4		
				647000	656000	665000	647000	656000	665000	647000	656000	665000	647000	656000	665000
				3705.0	3840.0	3975.0	3705.0	3840.0	3975.0	3705.0	3840.0	3975.0	3705.0	3840.0	3975.0
10.0	BPSK	1	0	24.66	25.31	25.10	22.06	23.06	23.07	24.55	24.95	25.27	20.72	21.73	21.63
		1	1	28.00	28.62	28.53	25.50	26.45	**26.50**	28.00	28.34	**28.70**	23.95	24.96	24.99
		1	22	27.93	**28.70**	28.59	25.47	26.50	26.49	27.96	28.39	28.69	24.00	24.90	**25.00**
		1	23	24.55	25.23	25.23	22.12	23.00	23.06	24.61	24.89	25.26	20.65	21.70	21.58
		12	6	27.98	28.64	28.53	25.51	26.42	26.43	28.00	28.31	28.63	23.94	24.96	24.97
		24	0	27.74	28.47	28.40	25.22	26.24	26.28	27.71	28.13	28.48	23.77	24.72	24.80
	QPSK	1	0	24.63	25.33	25.28	22.18	23.12	23.15	24.67	25.01	25.35	20.63	21.62	21.71
		1	1	27.75	28.49	28.59	25.08	26.24	26.02	27.57	28.13	28.22	23.95	**25.00**	24.83
		1	22	27.70	28.47	**28.70**	25.00	26.23	25.89	27.49	28.12	28.09	23.96	**25.00**	24.71
		1	23	24.59	25.15	25.20	22.08	23.07	23.01	24.57	24.96	25.21	20.80	21.67	21.59
		12	6	27.92	28.53	28.56	25.21	**26.42**	26.07	27.70	**28.70**	28.27	23.95	24.97	24.90
		24	0	27.02	27.79	27.83	24.34	25.52	25.18	26.83	27.41	27.38	23.19	24.25	24.03
	16QAM	1	0	24.82	25.40	25.36	22.37	23.30	23.27	24.86	25.19	25.47	20.53	21.84	21.92
		1	1	27.35	**28.03**	27.98	24.61	**25.80**	25.41	27.10	**27.69**	27.61	23.16	24.40	24.31
		1	22	27.23	27.97	28.01	24.55	25.76	25.24	27.04	27.65	27.44	23.00	**24.45**	24.21
		1	23	24.92	25.36	25.36	22.35	23.20	23.15	24.84	25.09	25.35	20.61	22.09	21.68
		12	6	27.18	27.80	27.83	24.40	25.58	25.13	26.89	27.47	27.33	23.13	24.28	24.06
		24	0	26.29	26.77	26.86	23.52	24.60	24.39	26.01	26.49	26.59	22.29	23.31	23.23
	64QAM	1	0	24.81	25.47	25.34	22.26	23.44	23.29	24.75	25.33	25.49	21.09	21.98	21.94
		1	1	25.82	**26.52**	26.42	23.25	24.20	24.12	25.74	26.09	**26.32**	22.05	**23.05**	22.89
		1	22	26.00	26.29	26.31	23.23	**24.27**	24.01	25.72	26.16	26.21	22.00	23.00	22.78
		1	23	24.78	25.30	25.33	22.26	23.29	23.06	24.75	25.18	25.26	20.96	21.98	21.76
		12	6	25.69	26.12	26.07	23.08	24.05	23.94	25.57	25.94	26.14	21.79	22.87	22.67
		24	0	25.69	26.15	26.01	23.14	24.13	23.94	25.63	26.02	26.14	21.67	22.86	22.68
	256QAM	1	0	23.84	24.12	24.06	21.09	22.08	21.96	23.58	23.97	**24.16**	19.85	**20.82**	20.67
		1	1	23.54	24.14	23.85	21.07	**22.09**	21.91	23.56	23.98	24.11	19.79	20.76	20.75
		1	22	23.67	24.12	24.17	21.16	22.04	21.88	23.65	23.93	24.08	19.79	20.80	20.64
		1	23	23.60	24.09	23.96	21.14	21.90	21.94	23.63	23.79	24.14	19.77	20.75	20.67
		12	6	23.64	**24.21**	23.94	20.98	21.93	21.93	23.47	23.82	24.13	19.54	20.64	20.61
		24	0	23.64	**24.21**	24.04	21.07	22.07	21.94	23.56	23.96	24.14	19.68	20.71	20.60

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647033	656000	664833	647033	656000	664833	647033	656000	664833	647033	656000	664833
				3707.5	3840.0	3972.5	3707.5	3840.0	3972.5	3707.5	3840.0	3972.5	3707.5	3840.0	3972.5
15.0	BPSK	1	0	24.64	25.23	25.28	22.18	23.17	23.10	24.68	25.37	25.30	20.70	21.53	21.64
		1	1	27.89	28.67	**28.70**	25.50	**26.50**	26.48	28.00	28.70	28.68	24.00	24.92	**25.00**
		1	36	28.00	**28.70**	28.62	25.48	**26.50**	**26.50**	27.98	28.70	**28.70**	23.97	24.94	24.95
		1	37	24.65	25.40	25.28	22.13	23.10	23.08	24.63	25.30	25.28	20.72	21.57	21.50
		18	9	27.96	28.65	28.57	25.39	26.43	26.41	27.89	28.63	28.61	23.92	24.87	24.89
		36	0	27.79	28.49	28.40	25.18	26.32	26.13	27.68	28.52	28.33	23.79	24.72	24.77
	QPSK	1	0	24.66	25.44	25.37	22.21	23.18	23.22	24.71	25.38	25.42	20.77	21.66	21.67
		1	1	27.66	28.44	**28.67**	24.91	26.16	25.87	27.41	28.36	28.07	24.00	**25.00**	24.67
		1	36	27.58	28.35	28.58	24.84	26.06	25.82	27.34	28.26	28.02	23.99	24.96	24.60
		1	37	24.70	25.37	25.31	22.12	23.12	23.07	24.62	25.32	25.27	20.66	21.59	21.59
		18	9	27.72	28.53	28.62	24.96	**26.23**	25.94	27.46	**28.43**	28.14	23.95	24.87	24.71
		36	0	26.83	27.67	27.88	24.11	25.43	25.09	26.61	27.63	27.29	23.21	24.20	23.83
	16QAM	1	0	25.05	25.51	25.59	22.46	23.41	23.27	24.96	25.61	25.47	21.04	21.86	21.80
		1	1	27.22	27.76	**28.08**	24.37	**25.57**	25.34	26.87	**27.77**	27.54	23.43	24.47	24.02
		1	36	27.41	27.77	28.06	24.23	25.54	25.29	26.73	27.74	27.49	23.49	**24.49**	24.00
		1	37	24.80	25.45	25.44	22.28	23.36	23.17	24.78	25.56	25.37	20.83	21.81	21.75
		18	9	27.00	27.70	27.83	24.09	25.41	25.17	26.59	27.61	27.37	23.21	24.23	23.90
		36	0	26.18	26.71	26.76	23.26	24.62	24.30	25.76	26.82	26.50	22.16	23.10	22.96
	64QAM	1	0	25.08	25.64	25.62	22.31	23.46	23.46	24.81	25.66	25.66	20.86	21.76	22.01
		1	1	25.89	26.51	**26.53**	23.05	**24.35**	24.00	25.55	**26.55**	26.20	21.88	**22.80**	22.66
		1	36	25.98	**26.53**	26.52	23.05	24.20	24.13	25.55	26.40	26.33	21.86	22.69	22.60
		1	37	25.12	25.41	25.47	22.29	23.34	23.30	24.79	25.54	25.50	20.92	21.73	21.77
		18	9	25.79	26.33	26.27	22.80	24.04	23.87	25.30	26.24	26.07	21.63	22.56	22.55
		36	0	25.74	26.33	26.21	22.78	24.13	23.86	25.28	26.33	26.06	21.71	22.64	22.61
	256QAM	1	0	23.62	**24.39**	24.07	20.98	22.15	22.14	23.48	24.35	24.34	19.72	20.46	20.54
		1	1	23.59	24.12	24.32	21.11	22.11	**22.18**	23.61	24.31	**24.38**	19.74	20.52	**20.60**
		1	36	23.65	24.36	24.05	20.95	22.10	22.08	23.45	24.30	24.28	19.68	20.52	20.47
		1	37	23.66	24.11	24.11	21.07	22.09	21.88	23.57	24.29	24.08	19.64	20.47	20.56
		18	9	23.62	24.11	24.12	20.96	21.93	21.95	23.46	24.13	24.15	19.48	20.46	20.42
		36	0	23.65	24.26	24.18	21.03	22.09	22.01	23.53	24.29	24.21	19.56	20.51	20.49

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647333	656000	664666	647333	656000	664666	647333	656000	664666	647333	656000	664666
				3710.0	3840.0	3970.0	3710.0	3840.0	3970.0	3710.0	3840.0	3970.0	3710.0	3840.0	3970.0
20.0	BPSK	1	0	25.10	25.70	25.86	22.65	23.79	23.57	25.15	25.99	25.77	20.71	21.63	21.77
		1	1	27.96	28.55	28.61	25.38	26.36	**26.50**	27.88	28.56	**28.70**	23.98	24.89	**25.00**
		1	49	28.00	28.67	**28.70**	25.38	26.44	26.37	27.88	28.64	28.57	23.86	24.91	24.98
		1	50	25.20	25.76	25.91	22.49	23.74	23.63	24.99	25.94	25.83	20.65	21.56	21.52
		25	12	27.97	28.66	28.61	25.39	26.45	26.34	27.89	28.65	28.54	23.94	24.88	24.96
		50	0	27.93	28.51	28.55	25.36	26.44	26.29	27.86	28.64	28.49	23.74	24.72	24.71
	QPSK	1	0	25.12	25.69	25.88	22.66	23.73	23.65	25.16	25.93	25.85	20.80	21.62	21.67
		1	1	27.95	28.54	28.66	25.50	26.47	26.37	28.00	28.67	28.57	24.00	24.99	24.71
		1	49	27.97	**28.70**	28.66	25.49	**26.50**	26.40	27.99	**28.70**	28.60	24.00	**25.00**	24.70
		1	50	25.13	25.82	25.85	22.56	23.73	23.49	25.06	25.93	25.69	20.72	21.65	21.55
		25	12	27.95	28.50	28.56	25.35	26.39	26.33	27.85	28.59	28.53	23.93	24.93	24.84
		50	0	27.27	28.10	28.32	24.91	26.15	25.75	27.41	28.35	27.95	23.24	24.22	23.95
	16QAM	1	0	25.42	25.93	26.18	22.78	23.75	23.85	25.28	25.95	26.05	20.89	21.95	21.92
		1	1	27.48	28.15	28.37	25.01	26.24	25.84	27.51	28.44	28.04	23.40	24.37	24.07
		1	49	27.58	28.21	**28.43**	25.03	26.00	25.96	27.53	28.20	28.16	23.49	**24.42**	23.98
		1	50	25.42	26.03	26.08	22.78	23.76	23.77	25.28	25.96	25.97	21.08	21.82	21.71
		25	12	27.36	28.17	28.27	25.06	**26.28**	25.77	27.56	**28.48**	27.97	23.16	24.16	23.97
		50	0	26.43	27.20	27.26	24.09	25.19	24.90	26.59	27.39	27.10	22.15	23.16	23.11
	64QAM	1	0	25.27	25.93	25.94	22.85	23.72	23.98	25.35	25.92	26.18	20.93	21.86	21.84
		1	1	26.29	**27.19**	27.13	23.68	24.69	24.42	26.18	26.89	26.62	21.90	22.80	22.67
		1	49	26.24	26.91	26.98	23.64	**25.25**	24.62	26.14	**27.45**	26.82	21.94	**22.82**	22.81
		1	50	25.49	25.89	26.10	22.78	24.05	23.71	25.28	26.25	25.91	20.94	21.61	21.76
		25	12	25.99	26.83	26.84	23.60	24.79	24.51	26.10	26.99	26.71	21.76	22.66	22.61
		50	0	25.95	26.89	26.89	23.63	24.72	24.58	26.13	26.92	26.78	21.68	22.66	22.68
	256QAM	1	0	24.18	24.83	24.66	21.55	22.54	22.49	24.05	24.74	24.69	19.73	20.59	20.41
		1	1	24.04	24.50	24.79	21.60	22.35	22.45	24.10	24.55	24.65	19.71	20.55	**20.77**
		1	49	24.07	24.56	**24.85**	21.35	22.75	22.50	23.85	24.95	24.70	19.71	20.43	20.37
		1	50	23.96	24.62	24.54	21.46	22.57	**22.78**	23.96	24.77	**24.98**	19.70	20.53	20.49
		25	12	24.12	24.68	24.73	21.51	22.65	22.53	24.01	24.85	24.73	19.65	20.49	20.54
		50	0	24.07	24.74	24.73	21.57	22.65	22.49	24.07	24.85	24.69	19.70	20.61	20.53

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647666	656000	664333	647666	656000	664333	647666	656000	664333	647666	656000	664333
				3715.0	3840.0	3965.0	3715.0	3840.0	3965.0	3715.0	3840.0	3965.0	3715.0	3840.0	3965.0
30.0	BPSK	1	0	24.61	25.34	25.38	22.52	23.56	23.62	25.02	25.76	25.82	20.70	21.73	21.64
		1	1	27.94	**28.70**	28.70	25.27	26.30	26.45	27.77	28.50	28.65	24.00	**25.00**	**25.00**
		1	76	28.00	**28.70**	28.68	25.50	26.45	26.37	28.00	28.65	28.57	24.00	24.96	24.92
		1	77	24.59	25.48	25.24	22.71	23.50	23.45	25.21	25.70	25.65	20.74	21.74	21.60
		36	18	27.96	**28.70**	28.66	25.24	26.40	26.29	27.74	28.60	28.49	23.97	**25.00**	24.94
		75	0	27.70	28.55	28.48	25.30	26.33	**26.46**	27.80	28.53	**28.66**	23.84	24.79	24.82
	QPSK	1	0	24.70	25.37	25.53	22.47	23.44	23.67	24.97	25.64	25.87	20.71	21.69	21.79
		1	1	27.38	28.18	28.16	25.33	26.35	**26.50**	27.83	28.55	**28.70**	24.00	**25.00**	24.74
		1	76	27.31	28.11	28.15	25.50	**26.50**	26.49	28.00	**28.70**	28.69	24.00	**25.00**	24.68
		1	77	24.63	25.42	25.23	22.66	23.72	23.68	25.16	25.92	25.88	20.81	21.79	21.67
		36	18	27.35	**28.32**	28.16	25.30	26.35	26.45	27.80	28.55	28.65	24.00	24.94	24.76
		75	0	26.44	27.33	27.25	24.72	25.97	25.59	27.22	28.17	27.79	23.29	24.25	23.80
	16QAM	1	0	24.85	25.69	25.64	22.67	23.69	23.87	25.17	25.89	26.07	21.03	21.92	21.88
		1	1	26.73	**27.57**	27.39	24.92	**26.12**	25.69	27.42	**28.32**	27.89	23.49	24.52	23.99
		1	76	26.64	27.53	27.31	24.92	26.05	25.92	27.42	28.25	28.12	23.62	**24.64**	23.98
		1	77	24.89	25.65	25.45	22.85	23.67	23.75	25.35	25.87	25.95	20.98	21.86	21.80
		36	18	26.57	27.41	27.44	24.94	26.05	25.73	27.44	28.25	27.93	23.26	24.19	23.93
		75	0	25.63	26.51	26.52	24.03	25.12	24.95	26.53	27.32	27.15	22.35	23.21	23.02
	64QAM	1	0	24.76	25.57	25.81	22.71	23.58	23.91	25.21	25.78	26.11	20.92	21.94	21.89
		1	1	25.44	26.34	26.35	23.81	24.60	24.37	26.31	26.80	26.57	21.87	22.88	22.84
		1	76	25.41	**26.43**	26.37	23.75	24.83	**24.91**	26.25	27.03	**27.11**	22.07	**23.05**	22.72
		1	77	24.80	25.59	25.39	22.75	23.88	23.62	25.25	26.08	25.82	21.02	21.87	21.80
		36	18	25.14	26.17	26.20	23.47	24.57	24.43	25.97	26.77	26.63	21.77	22.62	22.60
		75	0	25.13	26.16	26.11	23.63	24.62	24.56	26.13	26.82	26.76	21.73	22.67	22.54
	256QAM	1	0	23.69	24.17	24.34	21.33	22.39	22.61	23.83	24.59	24.81	19.81	20.65	20.69
		1	1	23.57	24.27	24.34	21.46	22.51	**22.72**	23.96	24.71	**24.92**	19.50	20.44	20.62
		1	76	23.58	**24.58**	24.33	21.46	22.28	22.45	23.96	24.48	24.65	19.61	**20.76**	20.50
		1	77	23.53	24.40	23.98	21.42	22.70	22.31	23.92	24.90	24.51	19.76	20.58	20.46
		36	18	23.52	24.44	24.25	21.48	22.61	22.39	23.98	24.81	24.59	19.68	20.66	20.58
		75	0	23.56	24.37	24.31	21.48	22.54	22.45	23.98	24.74	24.65	19.62	20.72	20.59

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
				3720.0	3840.0	3960.0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0
40.0	BPSK	1	0	24.76	25.36	25.50	22.46	23.53	23.47	24.96	25.73	25.67	23.62	24.84	24.77
		1	1	28.00	**28.70**	**28.70**	25.50	26.35	26.24	28.00	28.55	28.44	23.89	24.91	**25.00**
		1	104	27.71	28.64	28.63	25.41	**26.50**	26.36	27.91	**28.70**	28.56	23.86	24.84	24.93
		1	105	24.52	25.41	25.30	22.76	23.59	23.40	25.26	25.79	25.60	23.65	24.75	24.67
		50	25	27.77	28.52	28.64	25.35	26.46	26.31	27.85	28.66	28.51	23.59	24.73	24.87
		100	0	27.66	28.43	28.47	25.45	26.43	26.31	27.95	28.63	28.51	23.46	24.59	24.62
	QPSK	1	0	24.75	25.50	25.55	22.67	23.49	23.60	25.17	25.69	25.80	23.42	24.28	23.71
		1	1	27.53	28.23	28.32	25.50	26.34	26.38	28.00	28.54	28.58	24.00	**25.00**	24.61
		1	104	27.35	28.18	**28.38**	25.50	26.48	**26.50**	28.00	28.68	**28.70**	23.88	24.90	24.65
		1	105	24.56	25.35	25.36	22.71	23.75	23.57	25.21	25.95	25.77	23.21	24.22	23.94
		50	25	27.46	28.10	28.32	25.41	26.44	26.28	27.91	28.64	28.48	23.66	24.79	24.52
		100	0	26.53	27.22	27.38	24.96	25.76	25.61	27.46	27.96	27.81	22.98	24.09	23.61
	16QAM	1	0	25.03	25.69	25.70	22.53	23.72	23.76	25.03	25.92	25.96	22.12	23.39	22.98
		1	1	26.78	27.46	27.39	24.72	25.62	25.69	27.22	27.82	27.89	23.15	**24.62**	23.92
		1	104	26.63	27.47	27.56	24.65	25.71	25.88	27.15	27.91	28.08	22.92	24.46	23.90
		1	105	24.59	25.65	25.60	22.76	23.72	23.88	25.26	25.92	26.08	21.89	23.44	23.14
		50	25	26.70	27.34	**27.67**	25.25	**26.02**	25.76	27.75	**28.22**	27.96	22.82	24.03	23.84
		100	0	25.63	26.41	26.54	24.18	25.11	24.82	26.68	27.31	27.02	21.88	23.03	22.92
	64QAM	1	0	24.89	25.60	25.77	22.84	23.87	23.79	25.34	26.07	25.99	22.01	22.78	22.85
		1	1	25.61	26.30	26.22	23.77	24.63	24.37	26.27	26.83	26.57	22.07	**22.89**	22.69
		1	104	25.38	26.35	**26.44**	23.71	24.65	24.45	26.21	26.85	26.65	21.96	22.59	22.66
		1	105	24.63	25.51	25.50	23.09	23.71	23.60	25.59	25.91	25.80	21.81	22.83	22.83
		50	25	25.29	26.12	26.26	23.68	**24.71**	24.52	26.18	**26.91**	26.72	21.28	22.43	22.49
		100	0	25.21	25.89	26.15	23.58	24.58	24.43	26.08	26.78	26.63	21.34	22.52	22.43
	256QAM	1	0	23.72	24.48	24.39	21.79	22.58	22.60	24.29	24.78	24.80	19.68	**20.80**	20.64
		1	1	23.87	24.28	24.44	21.85	22.63	22.61	24.35	24.83	24.81	19.90	20.48	20.54
		1	104	23.67	**24.54**	24.20	21.78	**22.67**	22.32	24.28	**24.87**	24.52	19.62	20.50	20.47
		1	105	23.53	24.42	24.22	21.79	22.59	22.24	24.29	24.79	24.44	19.59	20.59	20.44
		50	25	23.58	24.29	24.37	21.61	22.62	22.42	24.11	24.82	24.62	19.33	20.39	20.53
		100	0	23.54	24.21	24.33	21.62	22.64	22.41	24.12	24.84	24.61	19.38	20.38	20.47

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648333	656000	663666	648333	656000	663666	648333	656000	663666	648333	656000	663666
				3725.0	3840.0	3955.0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0
50.0	BPSK	1	0	24.62	24.98	25.11	22.36	23.01	23.36	24.86	25.21	25.56	23.74	24.75	24.65
		1	1	28.00	28.54	28.70	25.47	25.92	26.41	27.97	28.12	28.61	24.00	**25.00**	**25.00**
		1	131	27.66	**28.70**	28.70	25.50	**26.50**	26.35	28.00	**28.70**	28.55	23.75	24.97	24.89
		1	132	24.32	25.22	25.12	22.52	23.46	23.56	25.02	25.66	25.76	23.40	24.84	24.60
		64	32	27.89	28.45	28.49	25.50	26.41	26.37	28.00	28.61	28.57	23.74	24.90	24.88
		128	0	27.71	28.28	28.40	25.50	26.30	26.40	28.00	28.50	28.60	23.55	24.75	24.73
	QPSK	1	0	24.70	25.19	25.30	22.43	23.02	23.53	24.93	25.22	25.73	23.30	24.20	24.10
		1	1	27.74	28.26	**28.35**	25.41	26.14	**26.50**	27.91	28.34	**28.70**	24.00	**25.00**	24.93
		1	131	27.52	28.25	28.34	25.50	26.41	26.47	28.00	28.61	28.67	23.76	**25.00**	24.90
		1	132	24.31	25.39	25.18	22.50	23.36	23.39	25.04	25.56	25.59	23.00	24.29	24.15
		64	32	27.64	28.22	28.32	25.50	26.42	26.40	28.00	28.62	28.60	23.74	24.93	24.74
		128	0	26.67	27.23	27.41	24.97	25.66	25.61	27.47	27.86	27.81	23.04	24.23	23.85
	16QAM	1	0	24.95	25.41	25.48	22.75	23.37	23.63	25.25	25.57	25.83	22.36	23.35	23.24
		1	1	27.07	27.34	27.57	24.63	25.67	25.79	27.13	27.87	27.99	23.53	24.59	24.16
		1	131	26.64	27.52	**27.78**	25.18	25.88	25.85	27.68	28.08	28.05	22.89	**24.60**	24.23
		1	132	24.34	25.45	25.45	22.55	23.56	23.75	25.05	25.76	25.95	21.94	23.49	23.19
		64	32	26.93	27.47	27.65	25.15	**25.94**	25.92	27.65	**28.14**	28.12	22.98	24.18	24.05
		128	0	25.82	26.42	26.69	24.04	24.85	24.79	26.54	27.05	26.99	22.01	23.17	23.10
	64QAM	1	0	24.80	25.31	25.33	22.73	23.03	23.37	25.23	25.23	25.57	21.86	22.84	22.92
		1	1	25.65	26.19	**26.53**	23.65	24.26	**24.60**	26.15	26.46	**26.80**	21.62	23.13	23.02
		1	131	25.52	26.32	26.51	23.69	24.49	24.46	26.19	26.69	26.66	21.71	**23.22**	22.68
		1	132	24.36	25.68	25.34	22.56	23.64	23.56	25.06	25.84	25.76	21.53	23.04	22.76
		64	32	25.49	26.13	26.22	23.53	24.38	24.33	26.03	26.58	26.53	21.42	22.59	22.63
		128	0	25.40	26.00	26.23	23.50	24.33	24.37	26.00	26.53	26.57	21.51	22.62	22.56
	256QAM	1	0	23.73	24.26	24.28	20.98	22.19	22.31	23.48	24.39	24.51	19.54	20.40	20.55
		1	1	23.58	24.21	24.10	21.34	21.81	22.30	23.84	24.01	24.50	19.55	20.44	20.51
		1	131	23.26	24.28	24.02	21.28	22.44	**22.55**	23.78	24.64	**24.75**	19.10	20.62	20.47
		1	132	23.22	**24.30**	24.06	21.33	22.26	22.44	23.83	24.46	24.64	19.14	**20.66**	20.61
		64	32	23.56	24.13	24.10	21.46	22.32	22.28	23.96	24.52	24.48	19.38	20.60	20.45
		128	0	23.54	24.19	24.15	21.38	22.32	22.24	23.88	24.52	24.44	19.39	20.64	20.44

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648666	656000	663333	648666	656000	663333	648666	656000	663333	648666	656000	663333
				3730.0	3840.0	3950.0	3730.0	3840.0	3950.0	3730.0	3840.0	3950.0	3730.0	3840.0	3950.0
60.0	BPSK	1	0	24.58	25.20	25.36	22.57	22.99	23.34	24.84	25.19	25.54	23.73	24.57	24.74
		1	1	28.00	28.49	28.67	25.42	26.05	26.17	27.85	28.25	28.37	24.00	24.82	24.96
		1	160	27.61	**28.70**	28.58	25.50	26.26	**26.50**	27.97	28.46	**28.70**	23.86	**25.00**	24.73
		1	161	24.29	25.42	25.41	22.54	23.35	23.21	24.81	25.55	25.41	23.75	24.69	24.52
		81	40	27.83	28.58	**28.70**	25.50	**26.50**	26.30	27.96	**28.70**	28.50	23.80	24.73	24.81
		162	0	27.65	28.40	28.54	25.50	26.39	26.32	28.00	28.59	28.52	23.62	24.62	24.64
	QPSK	1	0	24.71	25.19	25.46	22.78	23.06	23.29	25.05	25.26	25.49	23.29	24.02	24.06
		1	1	27.74	28.23	**28.55**	25.50	26.06	26.18	27.98	28.26	28.38	24.00	24.83	**25.00**
		1	160	27.48	28.29	28.42	25.50	26.44	26.33	27.93	28.64	28.53	23.95	**25.00**	24.69
		1	161	24.38	25.35	25.23	22.68	23.41	23.29	24.95	25.61	25.49	23.06	24.31	23.79
		81	40	27.57	28.33	28.51	25.50	**26.45**	26.35	28.00	**28.65**	28.55	23.74	24.78	24.75
		162	0	26.67	27.45	27.68	25.31	25.87	25.60	27.58	28.07	27.80	23.13	24.10	23.91
	16QAM	1	0	24.87	25.45	25.64	23.19	23.30	23.74	25.46	25.50	25.94	22.22	23.15	23.35
		1	1	26.82	27.69	27.75	25.23	25.76	25.67	27.50	27.96	27.87	23.54	24.28	24.18
		1	160	26.80	27.55	**27.76**	25.50	**26.07**	25.91	27.98	**28.27**	28.11	23.49	**24.44**	24.08
		1	161	24.65	25.67	25.63	22.77	23.75	23.29	25.04	25.95	25.49	22.19	23.36	23.09
		81	40	26.81	27.57	27.73	25.25	26.04	25.68	27.52	28.24	27.88	23.05	24.05	24.06
		162	0	25.85	26.60	26.88	24.18	24.91	24.82	26.45	27.11	27.02	22.10	23.06	23.11
	64QAM	1	0	24.75	25.47	25.50	22.99	23.11	23.78	25.26	25.31	25.98	21.94	22.80	22.86
		1	1	25.61	26.26	**26.68**	23.62	24.20	**24.59**	25.89	26.40	**26.79**	21.93	22.57	22.55
		1	160	25.40	26.57	26.41	23.72	24.47	24.04	25.99	26.67	26.24	21.72	22.78	22.47
		1	161	24.54	25.58	25.28	22.89	23.32	23.46	25.16	25.52	25.66	21.62	**22.92**	22.55
		81	40	25.44	26.29	26.35	23.71	24.48	24.30	25.98	26.68	26.50	21.42	22.49	22.46
		162	0	25.42	26.30	26.42	23.70	24.44	24.32	25.97	26.64	26.52	21.55	22.56	22.60
	256QAM	1	0	23.58	24.01	24.20	21.84	21.98	22.16	24.11	24.18	24.36	19.80	20.60	**20.64**
		1	1	23.58	23.97	**24.42**	21.52	22.15	22.12	23.79	24.35	24.32	19.74	20.51	20.55
		1	160	23.28	24.22	24.37	21.42	22.36	22.14	23.69	24.56	24.34	19.51	20.55	20.28
		1	161	23.50	24.13	24.22	21.29	**22.61**	22.46	23.56	**24.81**	24.66	19.32	20.63	20.45
		81	40	23.46	24.29	24.28	21.57	22.41	22.26	23.84	24.61	24.46	19.43	20.49	20.37
		162	0	23.48	24.32	24.34	21.55	22.36	22.29	23.82	24.56	24.49	19.47	20.52	20.46

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649000	656000	663000	649000	656000	663000	649000	656000	663000	649000	656000	663000
				3735.0	3840.0	3945.0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0
70.0	BPSK	1	0	24.62	25.19	25.47	22.22	22.87	23.42	24.72	25.07	25.62	23.72	24.54	24.82
		1	1	28.00	28.56	**28.70**	25.29	25.88	26.30	27.79	28.08	28.50	23.80	24.71	**25.00**
		1	187	27.96	**28.70**	28.52	25.50	26.09	26.19	28.00	28.29	28.39	23.85	24.78	24.80
		1	188	24.47	25.47	25.12	22.44	23.12	23.28	24.94	25.32	25.48	23.62	24.61	24.52
		90	45	27.80	28.68	28.63	25.50	**26.50**	**26.50**	28.00	**28.70**	**28.70**	23.63	24.78	24.92
		180	0	27.65	28.43	28.38	25.38	26.36	26.45	27.97	28.56	28.65	23.42	24.62	24.74
	QPSK	1	0	24.62	25.31	25.28	22.43	22.92	23.33	25.06	25.12	25.53	23.04	24.03	24.41
		1	1	28.00	28.52	28.61	25.45	25.90	26.48	27.95	28.10	28.68	24.00	24.94	24.98
		1	187	27.98	**28.70**	28.54	25.41	26.34	26.47	27.94	28.54	28.67	23.88	**25.00**	24.74
		1	188	24.45	25.56	25.08	22.47	23.33	23.47	24.97	25.53	25.67	23.07	24.29	24.07
		90	45	27.50	28.48	28.43	25.48	**26.50**	26.43	27.99	**28.70**	28.63	23.67	24.82	24.93
		180	0	26.64	27.61	27.63	25.20	25.91	25.87	27.70	28.11	28.07	22.89	24.10	24.09
	16QAM	1	0	24.19	25.44	25.32	22.75	23.27	23.47	25.25	25.47	25.67	21.81	23.34	23.57
		1	1	26.88	27.83	27.87	25.33	25.59	25.79	27.83	27.79	27.99	22.88	**24.43**	24.19
		1	187	26.78	**27.92**	27.86	25.24	25.90	26.07	27.74	28.10	28.27	22.90	24.36	24.21
		1	188	24.25	25.86	25.21	22.85	23.42	23.27	25.35	25.62	25.47	22.02	23.33	23.25
		90	45	26.77	27.74	27.82	25.26	**26.15**	26.02	27.76	**28.35**	28.22	22.93	24.06	24.26
		180	0	25.90	26.81	26.84	24.17	24.92	24.99	26.67	27.12	27.19	21.95	23.05	23.19
	64QAM	1	0	24.87	25.39	25.34	22.59	23.49	23.28	25.09	25.69	25.48	21.71	22.46	22.66
		1	1	25.89	26.47	26.52	23.91	24.05	24.60	26.41	26.25	26.80	21.81	22.61	22.88
		1	187	25.51	**26.64**	26.31	23.44	24.40	**24.78**	25.94	26.60	**26.98**	21.71	22.42	22.40
		1	188	24.60	25.77	25.38	22.87	23.22	23.58	25.37	25.42	25.78	21.88	**22.97**	22.59
		90	45	25.49	26.40	26.37	23.73	24.50	24.53	26.23	26.70	26.73	21.41	22.60	22.57
		180	0	25.46	26.33	26.42	23.58	24.56	24.45	26.08	26.76	26.65	21.47	22.66	22.68
	256QAM	1	0	23.70	24.15	24.24	21.49	21.68	22.27	23.99	23.88	24.47	19.70	20.57	20.54
		1	1	23.77	24.10	24.21	21.69	21.95	22.29	24.19	24.15	24.49	19.74	20.67	**20.94**
		1	187	23.20	**24.45**	24.01	21.34	22.44	22.18	23.84	24.64	24.38	19.60	20.38	20.33
		1	188	23.24	24.37	24.09	21.30	22.03	22.31	23.80	24.23	24.51	19.53	20.38	20.11
		90	45	23.35	24.33	24.26	21.60	22.47	22.47	24.10	24.67	24.67	19.37	20.50	20.58
		180	0	23.39	24.29	24.30	21.53	22.44	**22.48**	24.03	24.64	**24.68**	19.37	20.52	20.53

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649333	656000	662666	649333	656000	662666	649333	656000	662666	649333	656000	662666
				3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0
80.0	BPSK	1	0	24.67	24.97	25.29	22.41	22.66	23.24	24.88	24.93	25.49	23.73	24.51	24.76
		1	1	28.00	28.50	**28.70**	25.38	25.97	26.36	28.00	28.11	28.41	23.93	24.67	**25.00**
		1	215	27.78	**28.70**	28.46	25.28	26.19	26.14	27.87	28.50	28.45	23.93	**25.00**	24.81
		1	216	24.48	25.41	25.11	22.12	23.14	23.19	24.55	25.45	25.35	23.67	24.74	24.57
		108	54	27.82	28.58	28.67	25.50	**26.50**	**26.50**	27.97	28.66	**28.70**	23.85	24.79	24.90
		216	0	27.64	28.34	28.33	25.41	26.26	26.44	27.96	28.50	28.64	23.58	24.53	24.66
	QPSK	1	0	24.65	25.18	25.35	22.34	22.78	23.28	25.33	25.22	25.47	23.17	24.11	24.15
		1	1	28.00	28.52	28.49	25.46	25.82	26.37	27.79	28.18	**28.70**	24.00	24.89	24.80
		1	215	27.79	**28.70**	28.49	25.42	26.27	26.17	27.88	28.44	28.59	23.96	**25.00**	24.85
		1	216	24.54	25.43	25.16	22.21	23.08	23.29	24.81	25.46	25.51	23.24	24.13	24.03
		108	54	27.56	28.52	28.52	25.48	26.39	**26.50**	27.99	28.58	**28.70**	23.83	24.78	24.90
		216	0	26.81	27.54	27.55	24.91	25.79	25.91	27.54	28.13	28.10	23.15	24.05	24.00
	16QAM	1	0	24.91	25.47	25.33	22.64	22.76	23.33	24.96	25.56	26.00	22.40	23.39	23.30
		1	1	27.33	27.83	27.54	25.28	25.49	25.83	27.49	27.85	27.89	23.52	24.27	24.41
		1	215	27.11	**28.07**	27.43	25.03	25.76	**26.03**	27.24	**28.24**	27.85	23.49	**24.45**	24.26
		1	216	24.68	25.62	25.53	22.47	22.96	23.39	24.78	25.62	25.56	22.12	23.42	23.05
		108	54	26.85	27.69	27.70	24.94	25.88	25.87	27.63	28.17	28.09	23.11	24.01	24.18
		216	0	25.97	26.72	26.78	23.86	24.72	24.89	26.50	27.06	27.14	22.13	22.98	23.09
	64QAM	1	0	24.70	25.51	25.41	22.47	23.04	23.73	24.87	25.48	25.47	21.82	22.60	**22.93**
		1	1	25.51	**26.85**	26.46	23.39	24.11	**24.51**	26.11	26.10	26.59	21.96	22.75	22.64
		1	215	25.73	26.65	26.40	23.32	23.92	24.36	26.08	26.42	26.49	21.93	22.71	22.52
		1	216	24.59	25.60	25.17	22.45	23.43	23.18	25.10	25.21	25.55	21.71	22.72	22.71
		108	54	25.43	26.30	26.34	23.47	24.37	24.34	25.93	**26.71**	26.61	21.55	22.51	22.48
		216	0	25.52	26.27	26.30	23.38	24.23	24.24	25.91	26.56	26.60	21.59	22.54	22.52
	256QAM	1	0	23.70	24.04	24.14	20.99	21.65	22.04	23.81	23.88	24.60	19.82	20.46	**20.60**
		1	1	23.83	24.04	24.17	21.72	21.61	**22.41**	24.05	24.17	**24.83**	19.86	20.45	20.58
		1	215	23.22	24.30	24.11	21.15	22.11	21.67	23.88	23.95	24.51	19.58	20.28	20.36
		1	216	23.31	**24.48**	24.30	20.82	21.97	21.92	23.81	24.33	24.58	19.46	20.50	20.22
		108	54	23.43	24.25	24.31	21.37	22.36	22.25	23.90	24.64	24.67	19.49	20.51	20.44
		216	0	23.47	24.26	24.26	21.35	22.24	22.18	23.83	24.49	24.57	19.49	20.50	20.48

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649666	656000	662333	649666	656000	662333	649666	656000	662333	649666	656000	662333
				3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0
90.0	BPSK	1	0	24.73	25.03	25.17	22.37	22.64	23.26	24.84	24.83	25.55	23.78	24.48	24.62
		1	1	28.00	28.44	28.48	25.50	25.67	26.40	27.84	27.96	28.55	23.99	24.68	24.86
		1	243	28.00	**28.70**	28.70	25.12	26.12	26.24	27.81	28.40	28.47	24.09	**25.00**	24.99
		1	244	24.71	25.31	25.22	22.02	23.07	23.18	24.68	25.38	25.45	23.74	24.64	24.85
		120	60	27.96	28.48	28.64	25.36	**26.50**	26.45	27.93	**28.70**	28.69	24.00	24.67	**25.00**
		243	0	27.80	28.32	28.37	25.25	26.22	26.41	28.00	28.51	**28.70**	23.68	24.50	24.74
	QPSK	1	0	24.82	25.12	25.33	22.43	22.72	23.27	25.13	24.95	25.66	23.33	23.96	24.16
		1	1	27.93	28.34	28.25	25.50	25.72	26.21	27.92	28.05	**28.70**	24.00	24.69	24.91
		1	243	28.00	**28.67**	28.36	25.18	26.05	26.25	27.88	28.54	28.40	24.00	24.94	24.87
		1	244	24.73	25.48	25.22	21.98	23.16	23.15	24.91	25.47	25.55	23.30	24.28	24.24
		120	60	27.72	28.38	28.38	25.31	26.32	**26.50**	27.99	28.58	28.00	23.91	24.72	**24.99**
		243	0	26.82	27.40	27.43	24.68	25.72	25.84	27.62	28.06	28.09	23.18	24.00	24.10
	16QAM	1	0	24.97	25.23	25.31	22.27	22.74	23.57	25.15	25.20	26.04	22.57	22.82	23.30
		1	1	27.30	27.53	27.49	24.90	25.33	25.86	27.83	27.75	**28.31**	23.58	24.28	24.13
		1	243	27.05	**28.05**	27.48	24.66	25.83	**26.00**	27.42	28.20	28.06	23.58	**24.47**	24.41
		1	244	24.83	25.66	25.29	22.19	23.26	23.50	24.94	25.82	25.59	22.61	23.12	23.57
		120	60	26.99	27.61	27.75	24.81	25.85	25.91	27.67	28.14	28.05	23.19	24.02	24.38
		243	0	26.04	26.68	26.69	23.67	24.69	24.88	26.55	26.97	27.26	22.23	22.97	23.21
	64QAM	1	0	25.12	25.15	25.34	22.51	22.56	23.32	24.76	25.36	25.80	21.78	22.86	22.56
		1	1	26.06	26.34	26.17	24.02	24.05	**24.77**	25.91	26.44	26.83	21.62	22.69	22.80
		1	243	25.98	**26.60**	26.53	23.01	24.42	24.35	25.96	**26.86**	26.60	22.21	**22.96**	22.54
		1	244	24.87	25.94	25.46	22.21	23.08	22.93	24.94	25.64	25.47	21.94	22.65	22.62
		120	60	25.65	26.20	26.33	23.19	24.35	24.34	26.02	26.65	26.70	21.61	22.45	22.71
		243	0	25.60	26.10	26.20	23.17	24.12	24.30	25.95	26.55	26.67	21.71	22.42	22.74
	256QAM	1	0	23.72	24.10	24.15	21.60	21.25	21.74	24.02	23.97	24.94	19.44	20.33	20.41
		1	1	23.41	23.83	23.92	20.94	21.50	22.30	23.61	24.29	**24.95**	19.64	20.31	20.62
		1	243	23.60	**24.57**	24.18	21.09	22.02	21.92	23.85	24.31	24.51	19.81	20.53	20.44
		1	244	23.57	24.09	24.13	20.55	21.94	21.98	23.68	24.47	24.40	19.57	**21.01**	20.40
		120	60	23.56	24.19	24.26	21.23	22.29	**22.32**	23.84	24.60	24.55	19.58	20.43	20.65
		243	0	23.66	24.21	24.32	21.16	22.11	22.28	23.83	24.48	24.53	19.65	20.41	20.69

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000
				3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0
100.0	BPSK	1	0	24.57	25.02	25.13	22.45	22.50	23.09	25.06	24.95	25.52	23.78	24.66	24.41
		1	1	28.00	28.33	28.57	25.25	25.81	**26.50**	27.88	27.97	28.55	23.94	24.74	24.53
		1	271	27.90	**28.70**	**28.70**	25.30	26.21	26.22	27.80	28.61	28.27	24.00	**24.92**	24.89
		1	272	24.43	25.36	25.38	22.28	23.02	22.93	24.56	25.38	25.49	23.65	24.77	24.63
		135	67	27.72	28.39	28.67	25.50	26.42	26.43	27.79	28.66	**28.70**	23.69	24.63	24.84
		270	0	27.62	28.28	28.48	25.48	26.38	26.38	27.88	28.53	28.64	23.54	24.46	24.61
	QPSK	1	0	24.66	24.95	25.34	22.65	22.71	23.43	25.19	24.94	25.54	23.08	24.01	24.04
		1	1	27.84	28.17	28.21	25.50	25.68	26.45	28.00	27.92	28.66	23.71	24.71	24.64
		1	271	27.78	28.47	28.50	25.32	26.30	26.20	27.74	28.39	28.47	23.92	**25.00**	**25.00**
		1	272	24.55	25.54	25.42	22.24	23.18	23.03	24.53	25.39	25.63	22.92	24.32	24.09
		135	67	27.59	28.30	**28.53**	25.48	**26.50**	**26.50**	27.88	**28.70**	28.68	23.74	24.68	24.88
		270	0	26.65	27.30	27.49	24.94	25.86	25.83	27.41	28.13	28.13	23.00	23.93	23.90
	16QAM	1	0	24.82	25.47	25.62	22.59	22.71	23.55	25.29	25.44	25.45	22.26	23.05	23.32
		1	1	27.03	27.36	27.53	25.09	25.60	**26.01**	27.99	27.82	28.07	23.28	23.82	24.05
		1	271	27.10	27.69	27.65	25.16	25.91	25.76	27.08	28.04	28.04	23.52	**24.33**	24.14
		1	272	24.59	25.59	25.57	22.52	23.27	23.21	24.64	25.98	25.44	22.46	23.19	23.41
		135	67	26.80	27.49	**27.76**	25.03	25.96	25.96	27.42	**28.30**	28.14	23.04	23.91	24.11
		270	0	25.78	26.51	26.72	23.90	24.77	24.81	26.40	27.09	27.16	22.09	22.91	23.05
	64QAM	1	0	24.65	25.19	25.41	22.45	22.28	23.34	25.15	25.40	25.35	21.68	22.52	22.51
		1	1	25.35	26.23	26.36	23.74	24.04	24.29	26.17	26.48	26.79	21.84	22.53	22.88
		1	271	25.52	**26.82**	26.56	23.41	24.13	24.08	25.67	26.44	**26.95**	21.44	22.82	**22.99**
		1	272	24.44	25.58	25.72	22.66	23.41	23.47	25.27	25.56	26.01	21.91	22.69	22.39
		135	67	25.36	26.14	26.32	23.48	**24.36**	24.35	25.78	26.79	26.71	21.51	22.39	22.59
		270	0	25.38	26.10	26.33	23.30	24.13	24.25	25.86	26.62	26.60	21.57	22.38	22.61
	256QAM	1	0	23.69	23.88	24.32	21.56	21.47	22.45	23.88	24.11	24.71	19.46	20.23	20.54
		1	1	23.24	23.75	24.42	21.17	21.91	**22.74**	24.26	23.98	24.30	19.26	20.49	20.25
		1	271	23.39	**24.55**	24.53	21.26	21.94	22.33	23.40	24.32	**24.97**	19.52	20.39	20.31
		1	272	23.50	24.53	24.23	21.48	22.03	21.64	23.05	24.45	24.09	19.77	20.44	**20.55**
		135	67	23.38	24.12	24.36	21.56	22.31	22.25	23.37	24.82	24.65	19.44	20.36	20.46
		270	0	23.43	24.14	24.39	21.50	22.17	22.21	23.42	24.57	24.59	19.48	20.41	20.49

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)
FCC: §2.1049

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 except 5G NR n70 where mix of middle/high channels are used. Worst-case plots (highest bandwidth) are reported only.

LTE BAND 5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 5	1.4MHz, QPSK	6/0	836.5	1.0849	1.302
	1.4MHz,16QAM			1.0860	1.300
	3MHz, QPSK	15/0		2.6929	2.966
	3MHz, 16QAM			2.6942	2.943
	5MHz, QPSK	25/0		4.4893	4.871
	5MHz, 16QAM			4.4915	4.857
	10MHz, QPSK	50/0		8.9664	9.547
	10MHz, 16QAM			8.9606	9.539
	10MHz, QPSK	1/0		0.2425	0.3986

5G NR n5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n5	5MHz, BPSK	25/0	836.5	4.5153	5.141
	5MHz, QPSK			4.4822	5.076
	5MHz, 16QAM			4.4731	4.928
	10MHz, BPSK	50/0		8.9585	9.725
	10MHz, QPSK			8.9398	9.798
	10MHz, 16QAM			8.9831	9.586
	15MHz, BPSK	75/0		13.495	14.42
	15MHz, QPSK			13.451	14.58
	15MHz, 16QAM			13.443	14.40
	20MHz, BPSK	100/0		17.961	19.07
	20MHz, QPSK			17.875	19.05
	20MHz, 16QAM			17.860	18.86
	20MHz, BPSK	1/0		264.63KHz	421.7KHz

LTE BAND 7

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 7	5MHz, QPSK	25/0	2535.0	4.5119	5.112
	5MHz, 16QAM			4.5058	5.170
	10MHz, QPSK	50/0		9.0028	9.962
	10MHz, 16QAM			9.0027	10.10
	15MHz, QPSK	75/0		13.470	14.80
	15MHz, 16QAM			13.459	14.72
	20MHz, QPSK	100/0		17.912	19.67
	20MHz, 16QAM			17.946	19.57
	20MHz, QPSK	1/0		0.277	0.465

5G NR n7

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n7	5MHz, BPSK	25/0	2535.0	4.5375	5.188
	5MHz, QPSK			4.4974	5.130
	5MHz, 16QAM			4.5075	5.198
	10MHz, BPSK	50/0		9.0021	9.727
	10MHz, QPSK			8.9608	9.761
	10MHz, 16QAM			8.9370	9.903
	15MHz, BPSK	75/0		13.403	14.32
	15MHz, QPSK			13.375	14.34
	15MHz, 16QAM			13.420	14.33
	20MHz, BPSK	100/0		17.909	18.97
	20MHz, QPSK			17.896	18.94
	20MHz, 16QAM			17.911	19.04
	25MHz, BPSK	128/0		22.887	24.12
	25MHz, QPSK			22.833	24.12
	25MHz, 16QAM			22.897	24.08
	30MHz, BPSK	160/0		28.526	30.03
	30MHz, QPSK			28.631	29.89
	30MHz, 16QAM			38.587	29.94
	40MHz, BPSK	216/0		38.569	40.47
	40MHz, QPSK			38.529	40.48
	40MHz, 16QAM			38.507	40.36
	50MHz, BPSK	270/0		48.480	50.90
	50MHz, QPSK			48.278	50.75
	50MHz, 16QAM			48.265	50.85
	50MHz, BPSK	1/0		0.29819	0.4711

LTE BAND 12

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 12	1.4MHz, QPSK	6/0	707.5	1.0951	1.341
	1.4MHz,16QAM			1.0948	1.390
	3MHz, QPSK	15/0		2.7011	3.073
	3MHz, 16QAM			2.7157	3.076
	5MHz, QPSK	25/0		4.5070	5.118
	5MHz, 16QAM			4.4988	5.079
	10MHz, QPSK	50/0		8.9706	9.980
	10MHz, 16QAM			8.9708	9.599
	10MHz, QPSK	1/0		0.246	0.418

5G NR n12

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n12	5MHz, BPSK	25/0	707.5	4.5129	5.137
	5MHz, QPSK			4.4799	5.080
	5MHz, 16QAM			4.4720	4.959
	10MHz, BPSK	50/0		8.9772	9.763
	10MHz, QPSK			8.9637	9.708
	10MHz, 16QAM			8.9417	9.601
	15MHz, BPSK	75/0		13.463	14.22
	15MHz, QPSK			13.385	14.39
	15MHz, 16QAM			13.403	14.37
	15MHz, BPSK	1/0		0.23045	0.3678

LTE BAND 13

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 13	5MHz, QPSK	25/0	782.0	4.5019	5.095
	5MHz, 16QAM			4.5026	5.118
	10MHz, QPSK	50/0		8.9589	9.968
	10MHz, 16QAM			8.9512	9.880
	10MHz, QPSK	1/0		0.258	0.427

LTE BAND 14

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 14	5MHz, QPSK	25/0	793.0	4.5124	5.162
	5MHz, 16QAM			4.4979	5.054
	10MHz, QPSK	50/0		8.9583	9.965
	10MHz, 16QAM			8.9846	9.874
	10MHz, QPSK	1/0		0.244	0.429

5G NR n14

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n14	5MHz, BPSK	25/0	793.0	4.5139	5.135
	5MHz, QPSK			4.4798	5.067
	5MHz, 16QAM			4.4956	5.088
	10MHz, BPSK	50/0		8.9818	9.668
	10MHz, QPSK			8.9158	9.749
	10MHz, 16QAM			8.9244	9.743
	10MHz, QPSK	1/0		0.21734	0.3182

LTE BAND 17

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 17	5MHz, QPSK	25/0	710.0	4.5000	5.086
	5MHz, 16QAM			4.5027	5.092
	10MHz, QPSK	50/0		8.9889	9.915
	10MHz, 16QAM			8.9973	9.986
	10MHz, QPSK	1/0		0.239	0.393

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	1.0896	1.286
	1.4MHz,16QAM			1.0983	1.374
	3MHz, QPSK	15/0		2.7083	3.054
	3MHz, 16QAM			2.7061	3.011
	5MHz, QPSK	25/0		4.5043	5.129
	5MHz, 16QAM			4.5004	5.119
	10MHz, QPSK	50/0		8.9842	10.07
	10MHz, 16QAM			9.0105	10.10
	15MHz, QPSK	75/0		13.460	14.86
	15MHz, 16QAM			13.473	14.80
	20MHz, QPSK	100/0		17.963	19.65
	20MHz, 16QAM			17.956	19.68
	20MHz, QPSK	1/0		0.286	0.494

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	4.5272	5.182
	5MHz, QPSK			4.4958	5.106
	5MHz, 16QAM			4.5059	5.083
	10MHz, BPSK	50/0		8.9706	9.766
	10MHz, QPSK			8.9363	9.778
	10MHz, 16QAM			8.9398	9.705
	15MHz, BPSK	75/0		13.486	14.38
	15MHz, QPSK			13.416	14.37
	15MHz, 16QAM			13.421	14.39
	20MHz, BPSK	100/0		17.946	19.13
	20MHz, QPSK			17.972	19.26
	20MHz, 16QAM			17.934	19.12
	25MHz, BPSK	128/0		22.935	24.45
	25MHz, QPSK			22.946	24.25
	25MHz, 16QAM			23.003	24.32
	30MHz, BPSK	160/0		28.686	30.19
	30MHz, QPSK			28.700	30.24
	30MHz, 16QAM			28.727	30.22
	40MHz, BPSK	216/0		38.632	40.39
	40MHz, QPSK			38.580	40.33
	40MHz, 16QAM			38.567	40.38
	40MHz, BPSK	1/0		0.24169	0.4097

LTE BAND 26 (PART 90S)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 26	1.4MHz, QPSK	6/0	819.0	1.0947	1.343
	1.4MHz,16QAM			1.0946	1.326
	3MHz, QPSK	15/0		2.6984	3.076
	3MHz, 16QAM			2.7114	3.076
	5MHz, QPSK	25/0		4.4988	5.032
	5MHz, 16QAM			4.5058	5.147
	10MHz, QPSK	50/0		8.9716	9.888
	10MHz, 16QAM			8.9775	9.844
	10MHz, QPSK	1/0		0.243	0.396

5G NR n26 (PART 90S)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n26 (FCC Part 90S)	5MHz, BPSK	25/0	819.0	4.5598	5.246
	5MHz, QPSK			4.5092	5.151
	5MHz, 16QAM			4.5017	5.117
	10MHz, BPSK	50/0		8.9786	9.789
	10MHz, QPSK			8.9290	9.867
	10MHz, 16QAM			8.9341	9.632
	10MHz, BPSK	1/0		0.21862	0.328

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	4.5049	5.127
	5MHz, 16QAM			4.5158	5.189
	10MHz, QPSK	50/0		8.9889	10.04
	10MHz, 16QAM			8.9831	9.976
	10MHz, QPSK	1/0		0.253	0.414

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	4.5549	5.250
	5MHz, QPSK			4.5101	5.164
	5MHz, 16QAM			4.5096	5.154
	10MHz, BPSK	50/0		8.9791	9.830
	10MHz, QPSK			8.9802	9.805
	10MHz, 16QAM			8.9151	9.679
	10MHz, BPSK	1/0		0.23632	0.3999

LTE BAND 41

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 41	5MHz, QPSK	25/0	2593.0	4.4991	5.281
	5MHz, 16QAM			4.5172	5.955
	10MHz, QPSK	50/0		8.9916	10.17
	10MHz, 16QAM			8.9849	10.58
	15MHz, QPSK	75/0		13.462	15.84
	15MHz, 16QAM			13.512	15.78
	20MHz, QPSK	100/0		17.924	21.01
	20MHz, 16QAM			17.955	21.04
	20MHz, QPSK	1/0		0.287	0.463

5G NR n41

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n41	20MHz, BPSK	50/0	2593	17.967	19.31
	20MHz, QPSK			17.950	19.60
	20MHz, 16QAM			18.024	19.73
	30MHz, BPSK	75/0		26.924	28.86
	30MHz, QPSK			26.840	28.92
	30MHz, 16QAM			26.899	28.77
	40MHz, BPSK	100/0		35.816	37.98
	40MHz, QPSK			35.720	38.24
	40MHz, 16QAM			35.776	37.91
	50MHz, BPSK	128/0		45.861	48.25
	50MHz, QPSK			45.829	48.59
	50MHz, 16QAM			45.904	48.66
	60MHz, BPSK	162/0		58.072	60.67
	60MHz, QPSK			57.87	60.53
	60MHz, 16QAM			57.986	60.67
	70MHz, BPSK	180/0		64.390	67.48
	70MHz, QPSK			64.246	67.77
	70MHz, 16QAM			64.489	67.49
	80MHz, BPSK	216/0		77.479	80.77
	80MHz, QPSK			77.234	80.84
	80MHz, 16QAM			77.368	80.50
	90MHz, BPSK	243/0		86.956	90.22
	90MHz, QPSK			86.629	90.35
	90MHz, 16QAM			86.943	90.82
	100MHz, BPSK	270/0		96.559	100.4
	100MHz, QPSK			96.341	100.8
	100MHz, 16QAM			96.354	100.6
	100MHz, BPSK	1/0		0.59659	0.9426

LTE BAND 48

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 48	5MHz, QPSK	25/0	3625.0	4.4660	4.990
	5MHz, 16QAM			4.4464	4.800
	10MHz, QPSK	50/0		8.9651	9.406
	10MHz, 16QAM			8.9047	9.529
	15MHz, QPSK	75/0		13.426	14.22
	15MHz, 16QAM			13.337	14.08
	20MHz, QPSK	100/0		17.883	18.67
	20MHz, 16QAM			17.850	19.89
	20MHz, QPSK	1/0		0.274	0.466

LTE BAND 66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 66	1.4MHz, QPSK	6/0	1745.0	1.0906	1.341
	1.4MHz,16QAM			1.0959	1.393
	3MHz, QPSK	15/0		2.7056	3.040
	3MHz, 16QAM			2.6970	3.038
	5MHz, QPSK	25/0		4.4882	5.070
	5MHz, 16QAM			4.5020	5.094
	10MHz, QPSK	50/0		8.9875	10.02
	10MHz, 16QAM			8.9799	9.902
	15MHz, QPSK	75/0		13.465	15.00
	15MHz, 16QAM			13.441	14.78
	20MHz, QPSK	100/0		17.920	19.67
	20MHz, 16QAM			17.944	19.81
	20MHz, QPSK	1/0		0.288	0.493

5G NR n66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n66	5MHz, BPSK	25/0	1745.0	4.4797	5.093
	5MHz, QPSK			4.4819	5.109
	5MHz, 16QAM			4.4835	5.113
	10MHz, BPSK	50/0		8.9832	9.809
	10MHz, QPSK			8.9313	9.700
	10MHz, 16QAM			8.9572	9.700
	15MHz, BPSK	75/0		13.416	14.22
	15MHz, QPSK			13.416	14.37
	15MHz, 16QAM			13.423	14.34
	20MHz, BPSK	100/0		17.928	19.06
	20MHz, QPSK			17.869	19.01
	20MHz, 16QAM			17.915	18.98
	30MHz, BPSK	160/0		28.708	30.11
	30MHz, QPSK			28.539	29.89
	30MHz, 16QAM			38.562	40.35
	40MHz, BPSK	216/0		38.701	40.31
	40MHz, QPSK			38.493	40.31
	40MHz, 16QAM			38.562	40.35
	40MHz, BPSK	1/0		0.29718	0.4686

5G NR n70

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n70	5MHz, BPSK	25/0	1702.5	4.5293	5.185
	5MHz, QPSK			4.4961	5.088
	5MHz, 16QAM			4.4976	5.092
	10MHz, BPSK	50/0		8.9758	9.661
	10MHz, QPSK			8.9407	9.849
	10MHz, 16QAM			8.9762	9.746
	15MHz, BPSK	75/0		13.458	14.31
	15MHz, QPSK			13.438	14.41
	15MHz, 16QAM			13.417	14.43
	15MHz, BPSK	1/0		0.28886	0.4604

LTE BAND 71

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 71	5MHz, QPSK	25/0	680.5	4.5000	5.068
	5MHz, 16QAM			4.539	5.169
	10MHz, QPSK	50/0		8.9667	9.941
	10MHz, 16QAM			8.9553	9.965
	15MHz, QPSK	75/0		13.444	14.75
	15MHz, 16QAM			13.426	14.67
	20MHz, QPSK	100/0		17.863	19.52
	20MHz, 16QAM			17.822	18.54
	20MHz, QPSK	1/0		0.269	0.483

5G NR n71

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n71	5MHz, BPSK	25/0	680.5	4.5351	5.166
	5MHz, QPSK			4.4950	5.103
	5MHz, 16QAM			4.4962	5.104
	10MHz, BPSK	50/0		8.9684	9.723
	10MHz, QPSK			8.9445	9.777
	10MHz, 16QAM			8.9235	9.706
	15MHz, BPSK	75/0		13.451	14.38
	15MHz, QPSK			13.421	14.35
	15MHz, 16QAM			13.455	14.48
	20MHz, BPSK	100/0		17.847	18.87
	20MHz, QPSK			17.879	18.95
	20MHz, 16QAM			17.845	18.85
	20MHz, BPSK	1/0		0.25986	0.4405

5G NR n77(Part 27 3450-3550MHz)

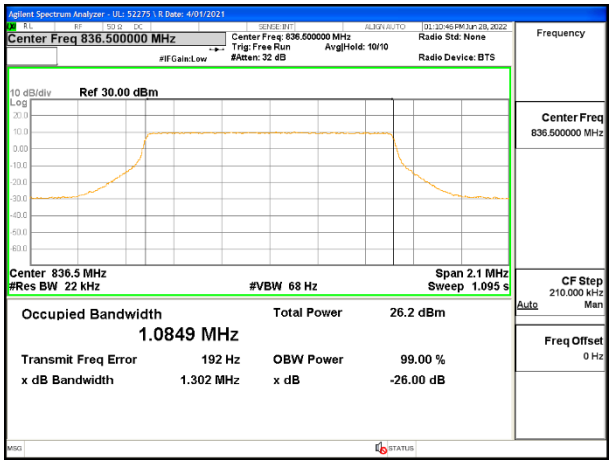
Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77 (FCC Part 27 3450-3550MHz)	10MHz, BPSK	24/0	3500	8.6931	10.08
	10MHz, QPSK			8.6416	9.916
	10MHz, 16QAM			8.6431	9.591
	15MHz, BPSK	36/0		13.048	14.70
	15MHz, QPSK			12.979	14.38
	15MHz, 16QAM			12.940	14.26
	20MHz, BPSK	50/0		17.936	19.46
	20MHz, QPSK			17.891	19.46
	20MHz, 16QAM			17.876	19.42
	30MHz, BPSK	75/0		26.921	29.02
	30MHz, QPSK			26.758	28.48
	30MHz, 16QAM			26.997	28.93
	40MHz, BPSK	100/0		35.861	38.14
	40MHz, QPSK			35.756	37.94
	40MHz, 16QAM			35.697	37.90
	50MHz, BPSK	128/0		45.913	48.32
	50MHz, QPSK			45.894	48.32
	50MHz, 16QAM			45.743	48.46
	60MHz, BPSK	162/0		57.867	60.96
	60MHz, QPSK			57.775	60.69
	60MHz, 16QAM			57.715	60.84
	70MHz, BPSK	180/0		64.489	67.58
	70MHz, QPSK			64.504	67.38
	70MHz, 16QAM			64.395	67.14
	80MHz, BPSK	216/0		77.246	80.35
	80MHz, QPSK			76.963	80.43
	80MHz, 16QAM			77.107	80.31
	90MHz, BPSK	243/0		87.016	90.89
	90MHz, QPSK			86.903	90.96
	90MHz, 16QAM			86.740	90.87
	100MHz, BPSK	270/0		96.422	100.8
	100MHz, QPSK			96.394	100.9
	100MHz, 16QAM			96.351	100.5
	100MHz, BPSK	1/0		0.59545	0.9665

5G NR n77(Part 27 3700-3980MHz)

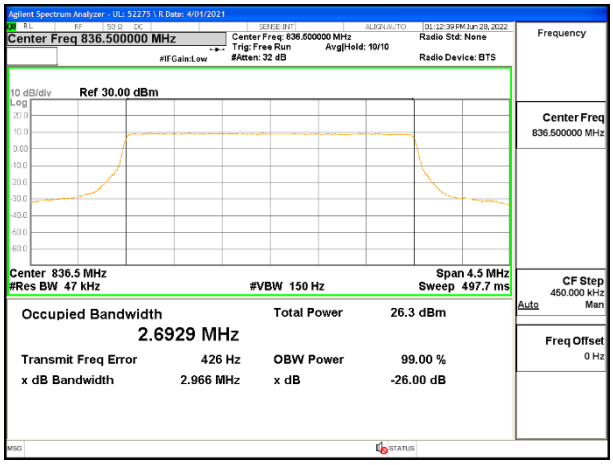
Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77 (FCC Part 27 3700-3980MHz)	10MHz, BPSK	24/0	3840	8.6620	9.851
	10MHz, QPSK			8.6111	9.763
	10MHz, 16QAM			8.5988	9.571
	15MHz, BPSK	36/0		12.965	14.43
	15MHz, QPSK			12.871	14.28
	15MHz, 16QAM			12.916	14.17
	20MHz, BPSK	50/0		17.895	19.29
	20MHz, QPSK			17.919	19.56
	20MHz, 16QAM			17.883	19.41
	30MHz, BPSK	75/0		26.820	28.87
	30MHz, QPSK			26.844	28.83
	30MHz, 16QAM			26.841	28.90
	40MHz, BPSK	100/0		35.837	37.69
	40MHz, QPSK			35.751	37.92
	40MHz, 16QAM			35.800	37.88
	50MHz, BPSK	128/0		45.638	48.18
	50MHz, QPSK			45.742	48.09
	50MHz, 16QAM			45.683	48.33
	60MHz, BPSK	162/0		57.862	60.82
	60MHz, QPSK			57.864	60.66
	60MHz, 16QAM			57.858	60.36
	70MHz, BPSK	180/0		64.461	67.23
	70MHz, QPSK			64.155	67.27
	70MHz, 16QAM			64.368	67.20
	80MHz, BPSK	216/0		77.133	80.53
	80MHz, QPSK			77.229	80.73
	80MHz, 16QAM			77.203	80.66
	90MHz, BPSK	243/0		86.749	90.81
	90MHz, QPSK			86.797	90.74
	90MHz, 16QAM			86.844	90.84
	100MHz, BPSK	270/0		96.309	100.5
	100MHz, QPSK			96.374	100.5
	100MHz, 16QAM			96.224	100.4
	100MHz, BPSK	1/0		0.59688	0.9860

9.1.1. LTE BAND 5 AND 5G NR n5

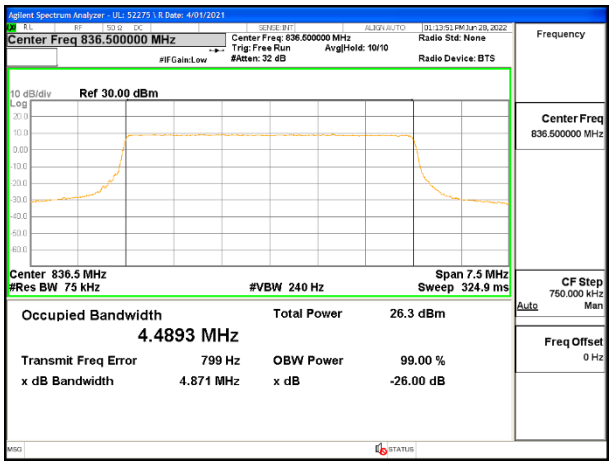
LTE BAND 5



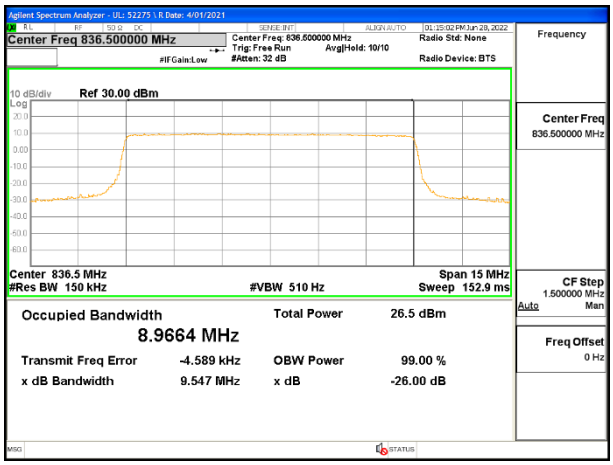
LTE B5 1.4MHz QPSK Middle Channel RB6-0



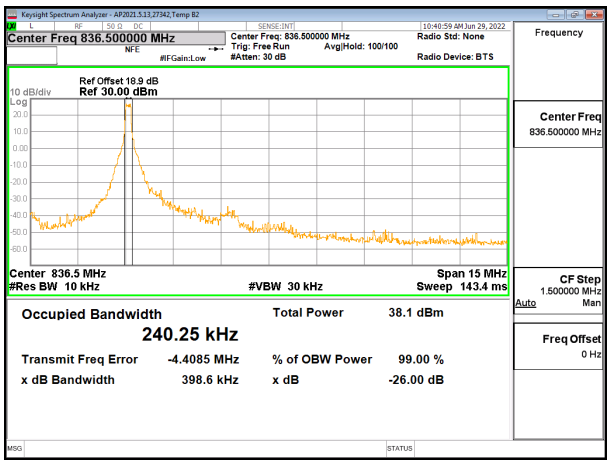
LTE B5 3MHz QPSK Middle Channel RB15-0



LTE B5 5MHz QPSK Middle Channel RB25-0

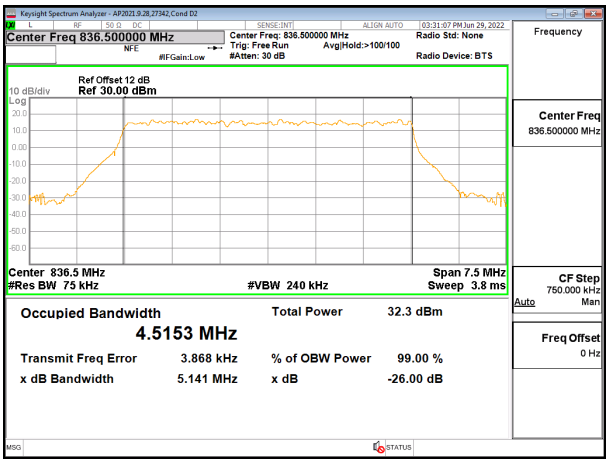


LTE B5 10MHz QPSK Middle Channel RB50-0

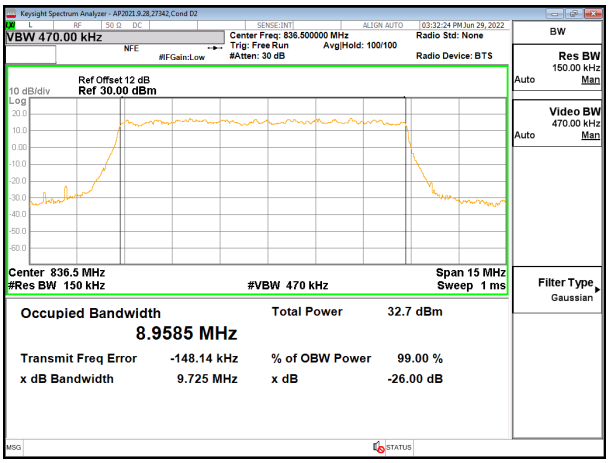


LTE B2626 10MHz QPSK Middle Channel RB1-0

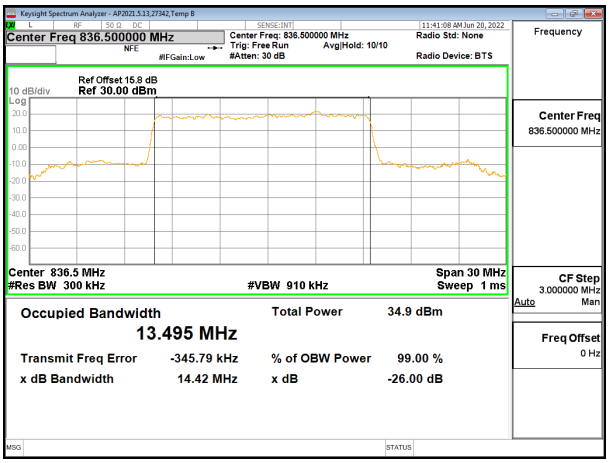
5G NR n5



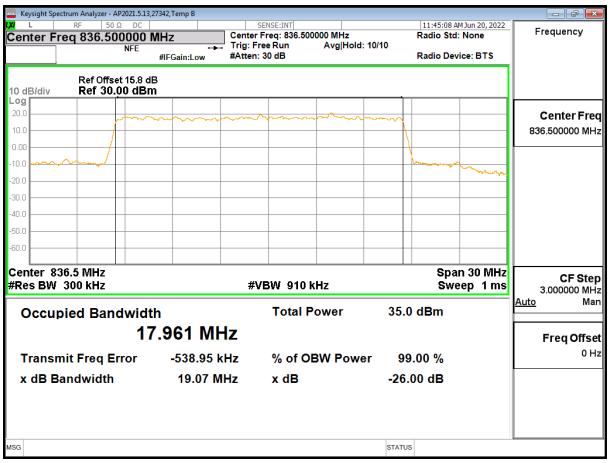
5G NR n5 5MHz BPSK Middle Channel RB25-0



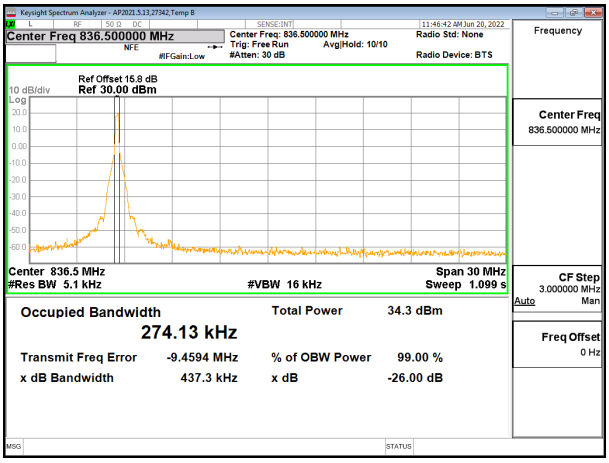
5G NR n5 10MHz BPSK Middle Channel RB50-0



5G NR n5 15MHz BPSK Middle Channel RB75-0



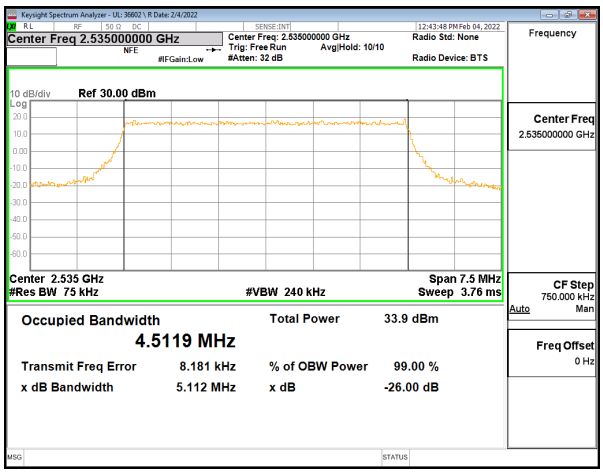
5G NR n5 20MHz BPSK Middle Channel RB100-0



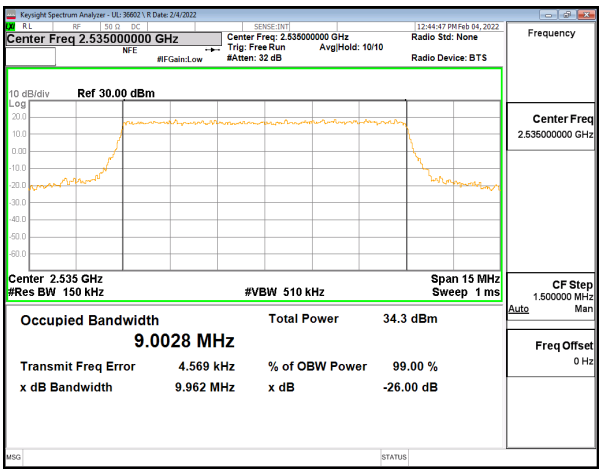
5G NR n5 20MHz QPSK Middle Channel RB1-0

9.1.2. LTE BAND 7 AND 5G NR n7

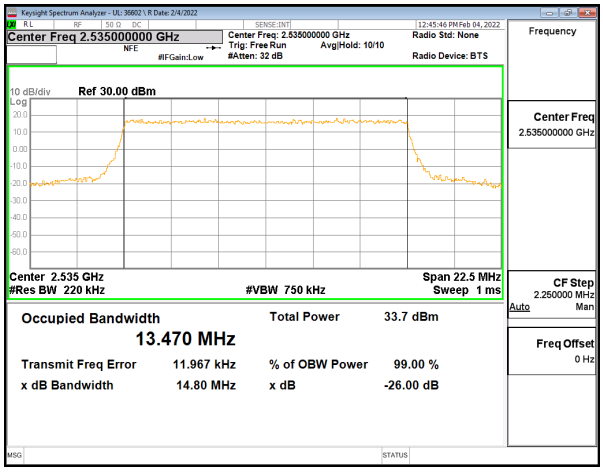
LTE BAND 7



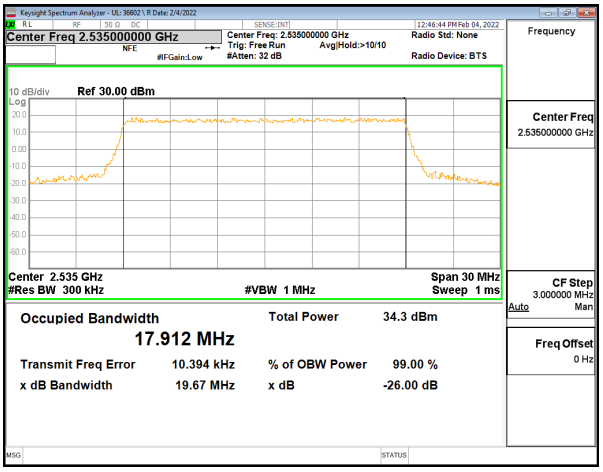
LTE B7 5MHz QPSK Middle Channel RB25-0



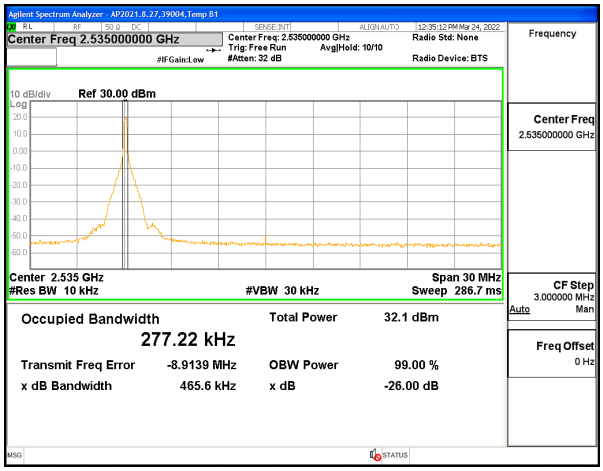
LTE B7 10MHz QPSK Middle Channel RB50-0



LTE B7 15MHz QPSK Middle Channel RB75-0

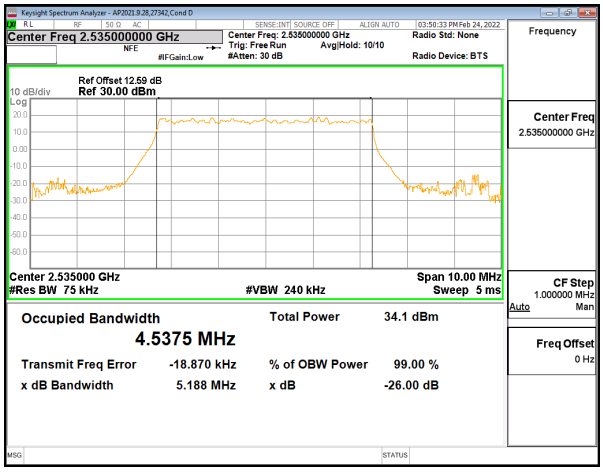


LTE B7 20MHz QPSK Middle Channel RB100-0

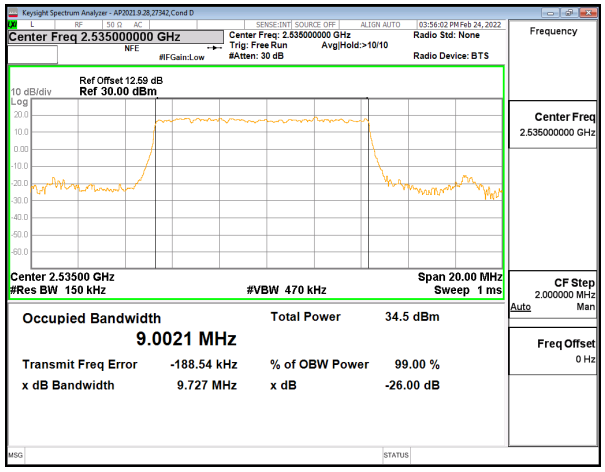


LTE B7 20MHz QPSK Middle Channel RB1-0

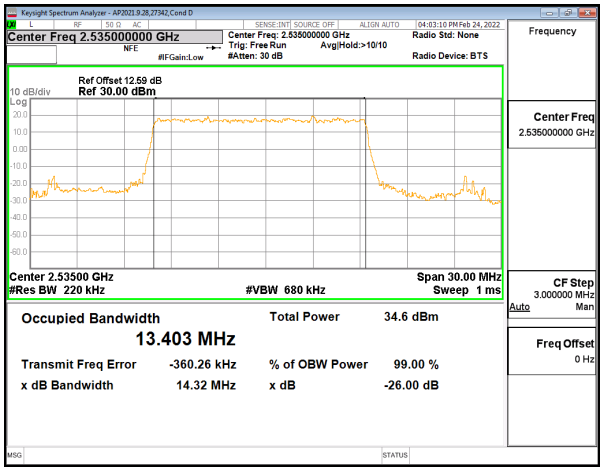
5G NR n7



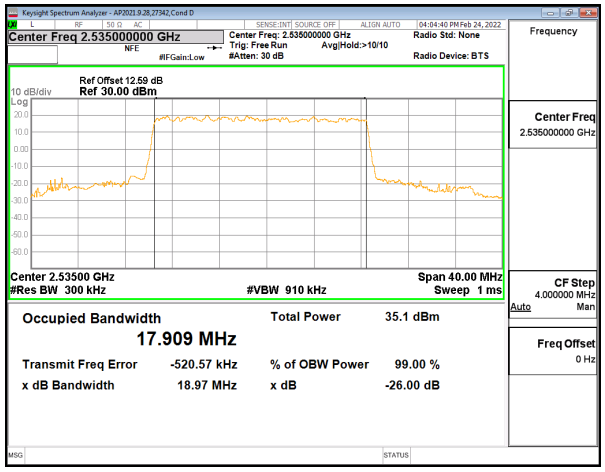
5G NR n7 5MHz BPSK Middle Channel RB25-0



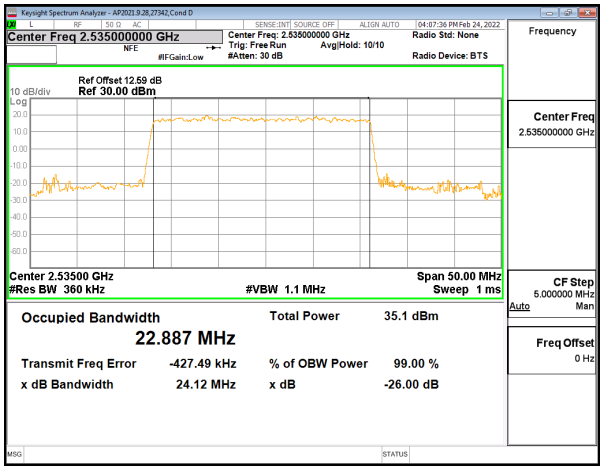
5G NR n7 10MHz BPSK Middle Channel RB50-0



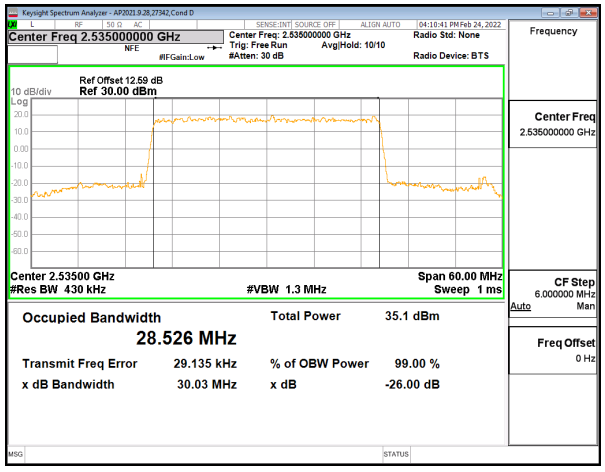
5G NR n7 15MHz BPSK Middle Channel RB75-0



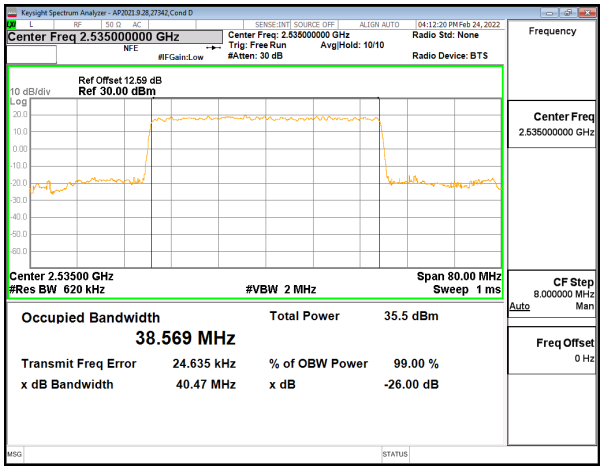
5G NR n7 20MHz BPSK Middle Channel RB100-0



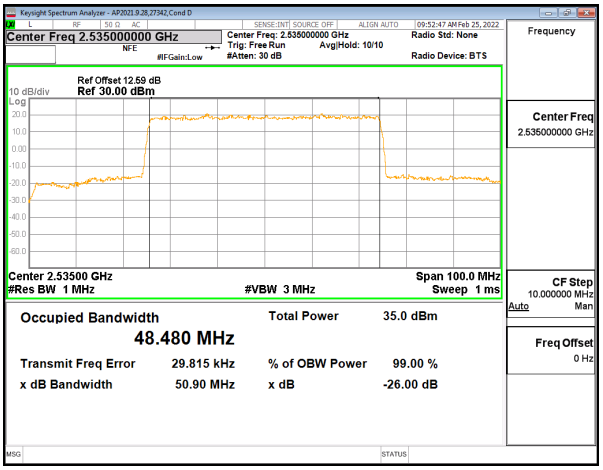
5G NR n7 25MHz BPSK Middle Channel RB128-0



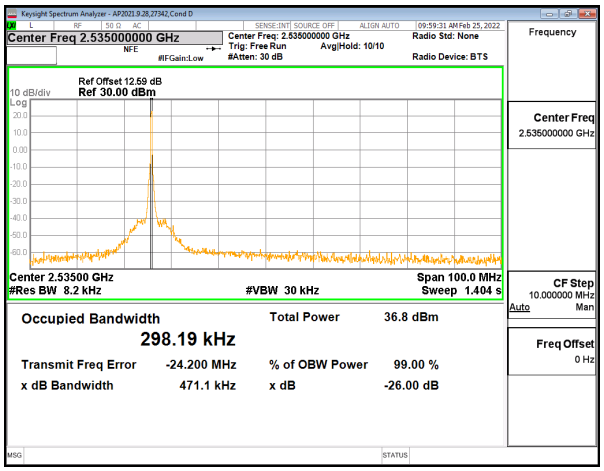
5G NR n7 30MHz BPSK Middle Channel RB160-0



5G NR n7 40MHz BPSK Middle Channel RB216-0



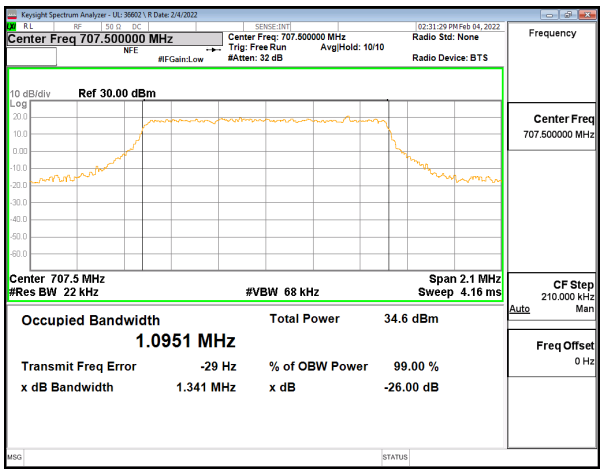
5G NR n7 50MHz BPSK Middle Channel RB249-0



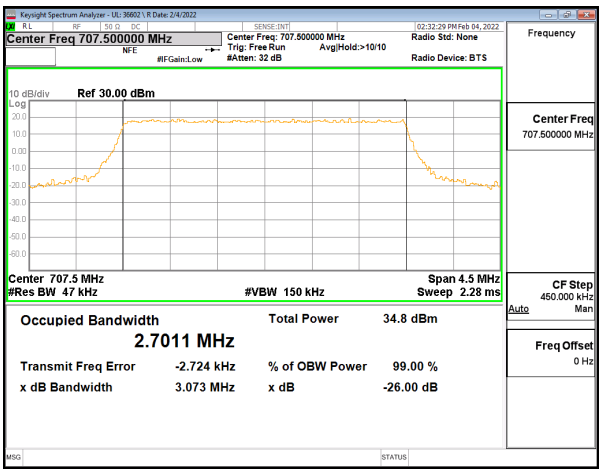
5G NR n7 50MHz BPSK Middle Channel RB1-0

9.1.3. LTE BAND 12 AND 5G NR n12

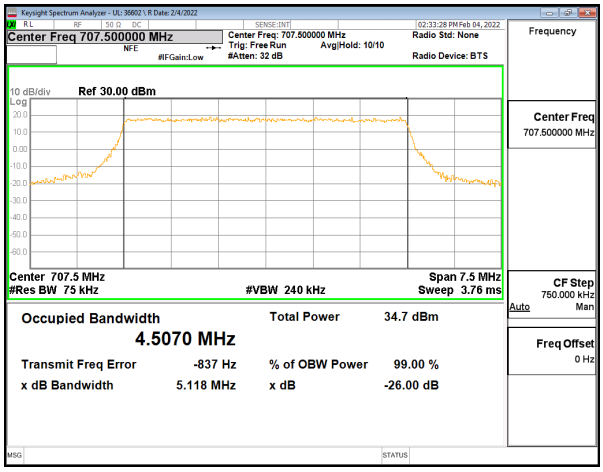
LTE BAND 12



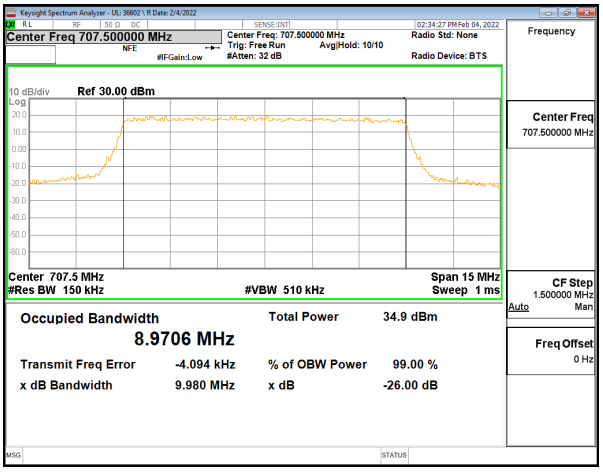
LTE B12 1.4MHz QPSK Middle Channel RB6-0



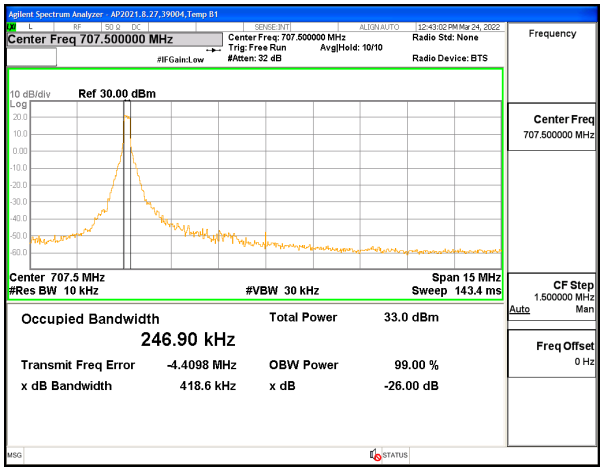
LTE B12 3MHz QPSK Middle Channel RB15-0



LTE B12 5MHz QPSK Middle Channel RB25-0

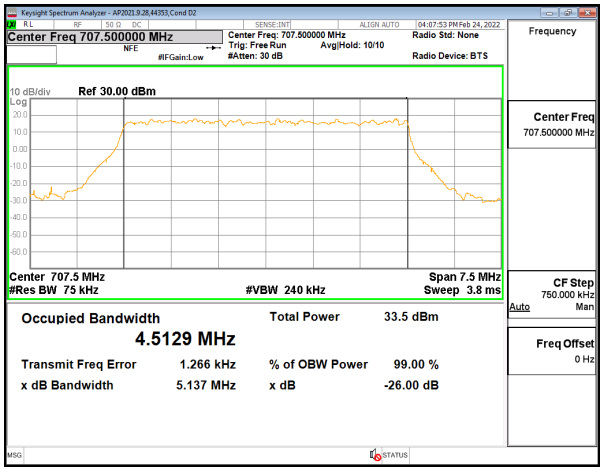


LTE B12 10MHz QPSK Middle Channel RB50-0

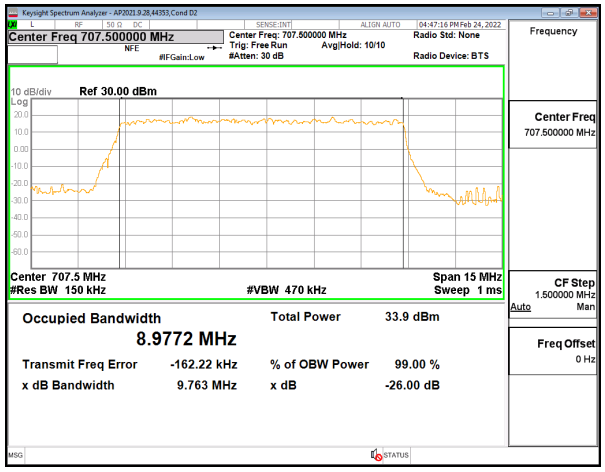


LTE B12 10MHz QPSK Middle Channel RB1-0

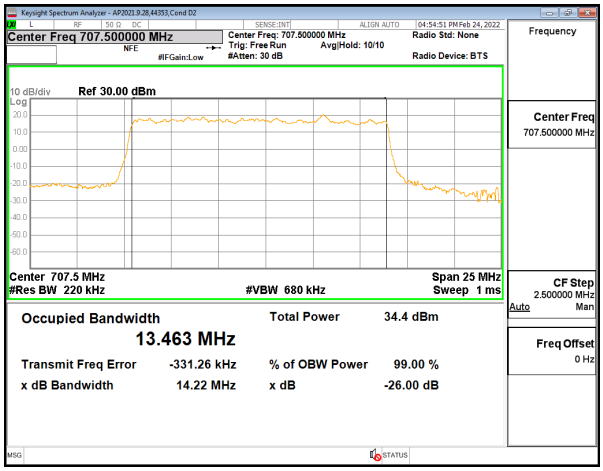
5G NR n12



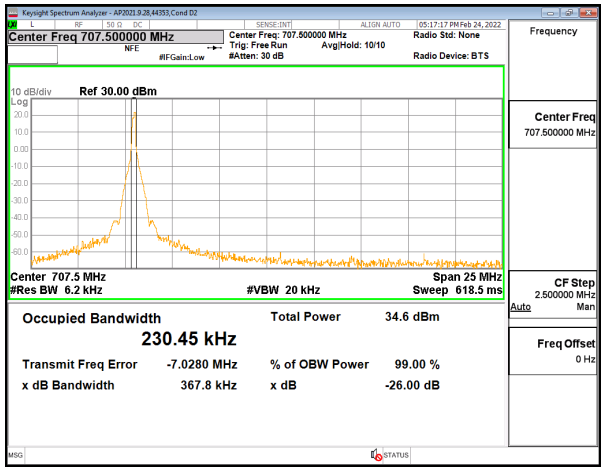
5G NR n12 5MHz BPSK Middle Channel RB25-0



5G NR n12 10MHz BPSK Middle Channel RB50-0

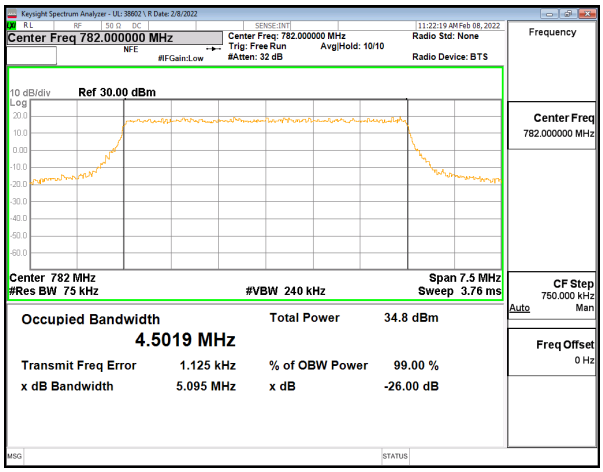


5G NR n12 15MHz BPSK Middle Channel RB75-0

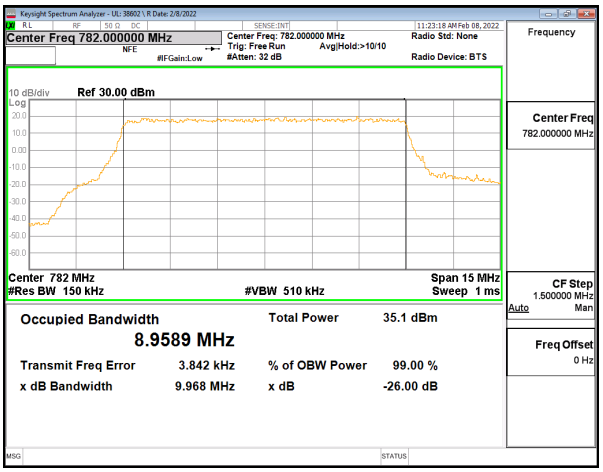


5G NR n12 15MHz BPSK Middle Channel RB1-0

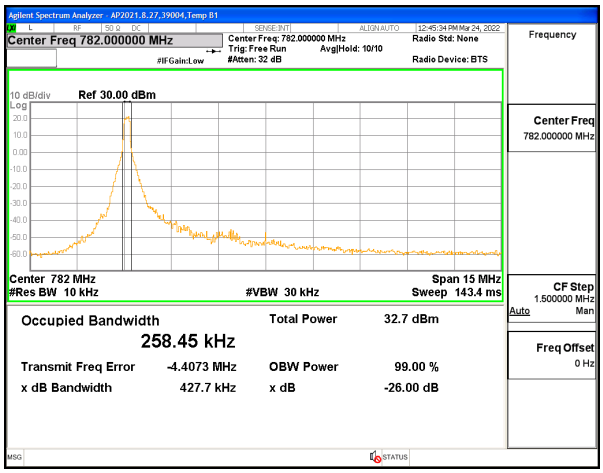
9.1.4. LTE BAND 13



LTE B13 5MHz QPSK Middle Channel RB25-0



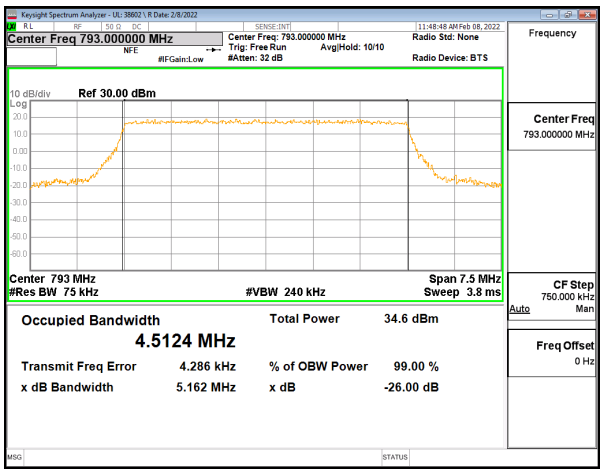
LTE B13 10MHz QPSK Middle Channel RB50-0



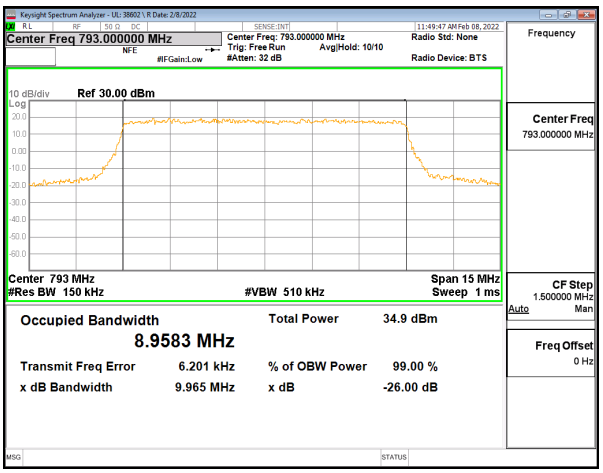
LTE B13 10MHz QPSK Middle Channel RB1-0

9.1.5. LTE BAND 14 AND 5G NR n14

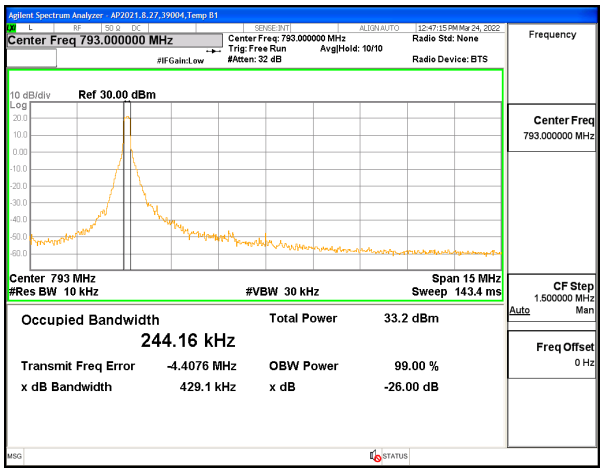
LTE BAND 14



LTE B14 5MHz QPSK Middle Channel RB25-0

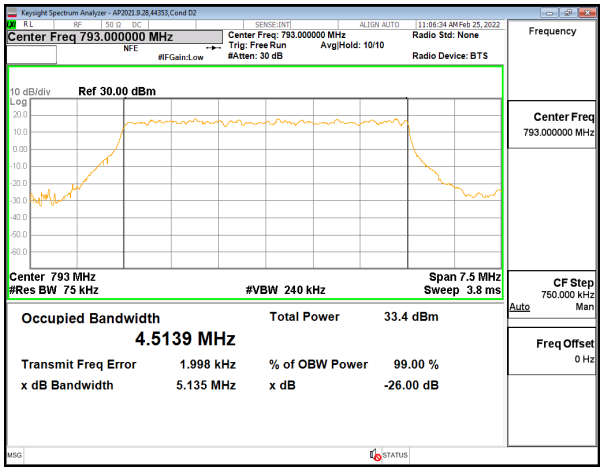


LTE B14 10MHz QPSK Middle Channel RB50-0

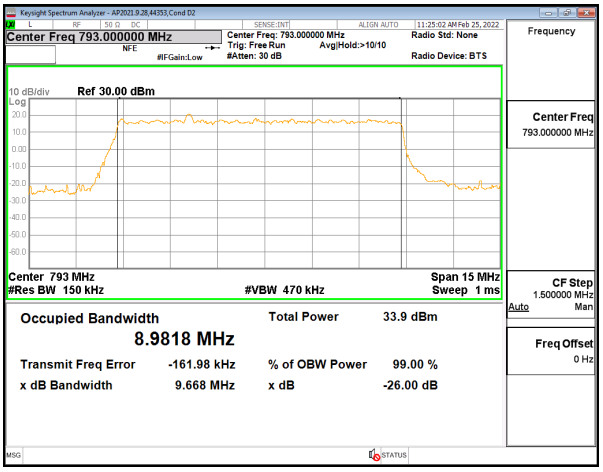


LTE B14 10MHz QPSK Middle Channel RB1-0

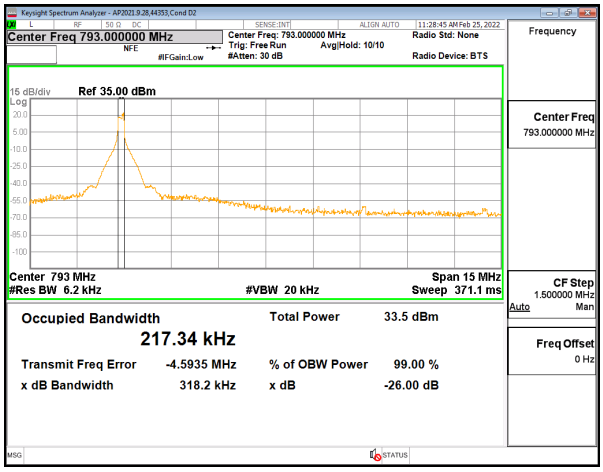
5G NR n14



5G NR n14 5MHz BPSK Middle Channel RB25-0

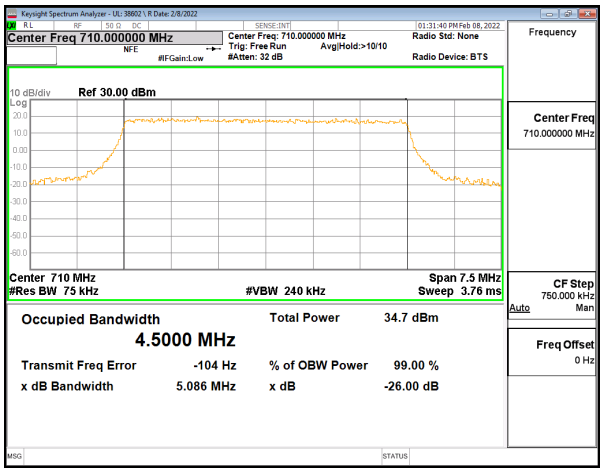


5G NR n14 10MHz BPSK Middle Channel RB50-0

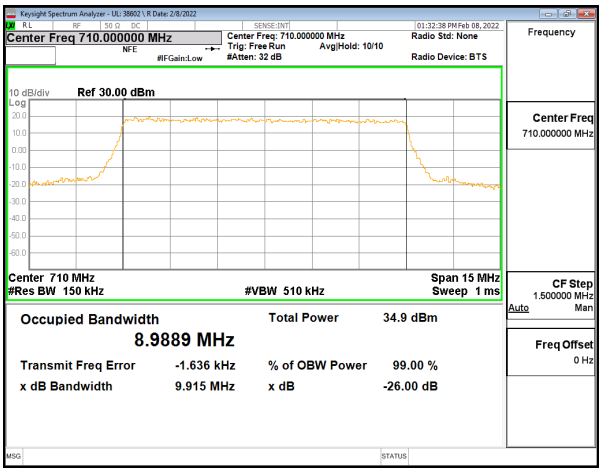


5G NR n14 10MHz BPSK Middle Channel RB1-0

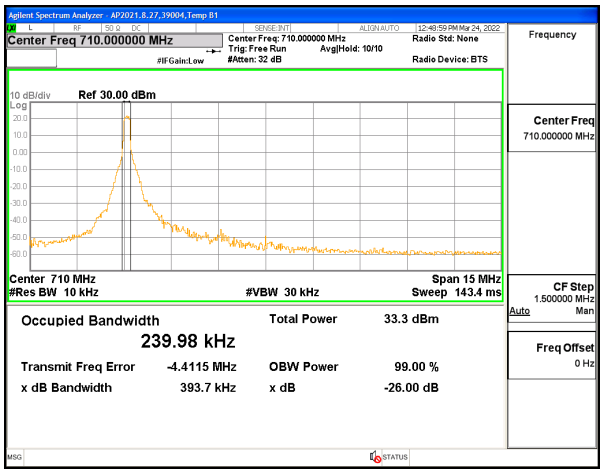
9.1.6. LTE BAND 17



LTE B17 5MHz QPSK Middle Channel RB25-0



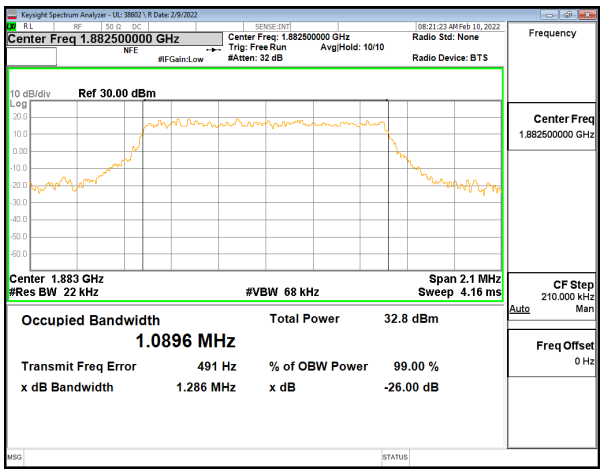
LTE B17 10MHz QPSK Middle Channel RB50-0



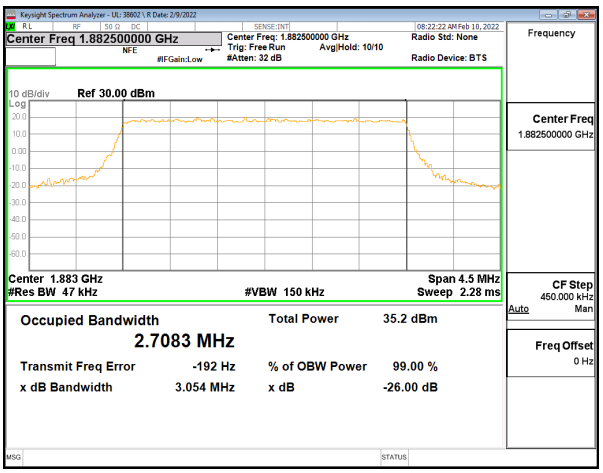
LTE B17 10MHz QPSK Middle Channel RB1-0

9.1.7. LTE BAND 25 AND 5G NR n25

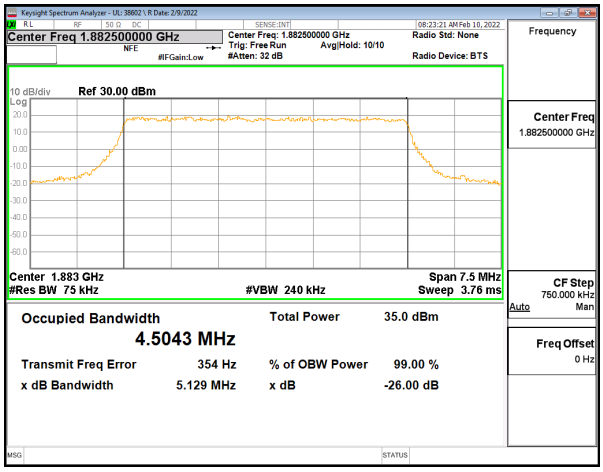
LTE BAND 25



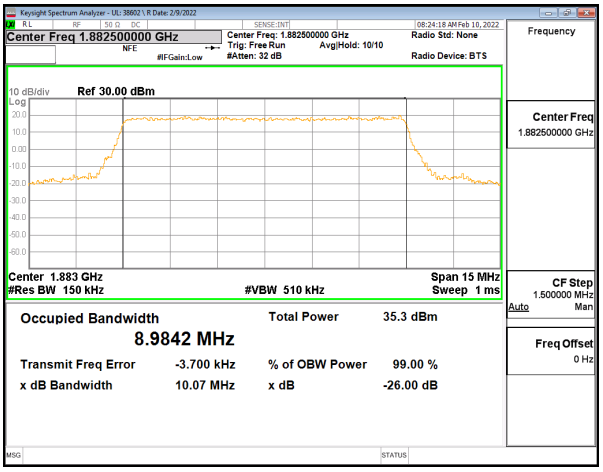
LTE B25 1.4MHz QPSK Middle Channel RB6-0



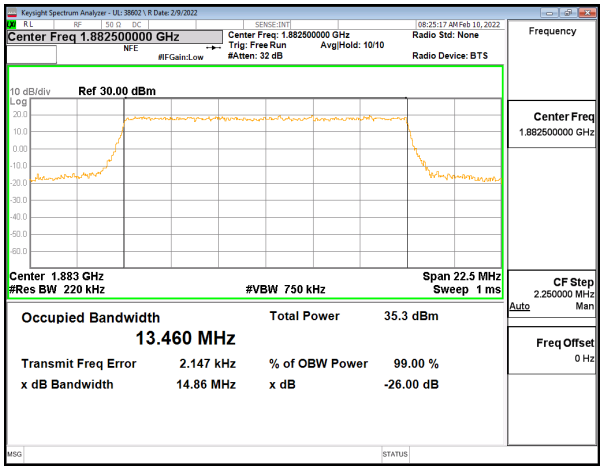
LTE B25 3MHz QPSK Middle Channel RB15-0



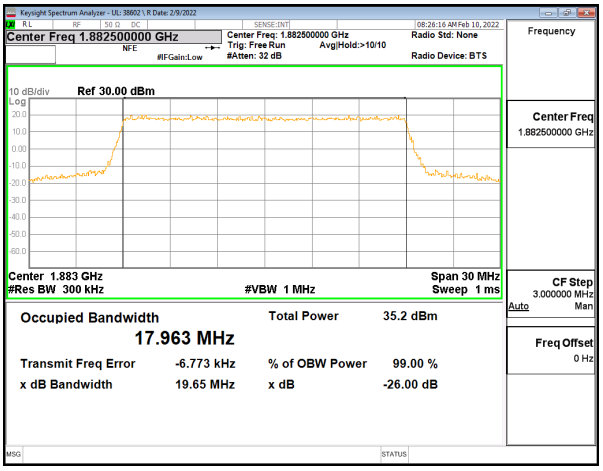
LTE B25 5MHz QPSK Middle Channel RB25-0



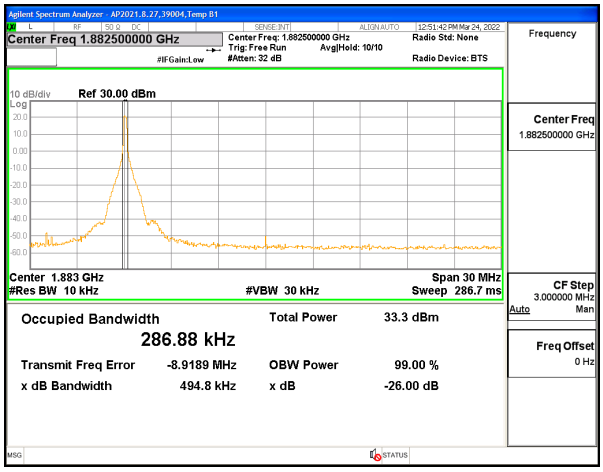
LTE B25 10MHz QPSK Middle Channel RB50-0



LTE B25 15MHz QPSK Middle Channel RB75-0

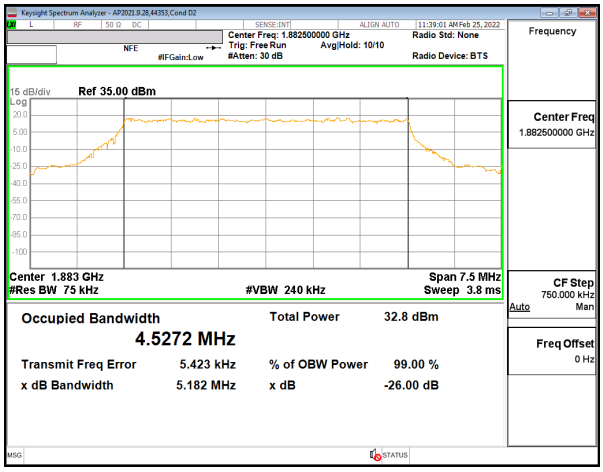


LTE B25 20MHz QPSK Middle Channel RB100-0

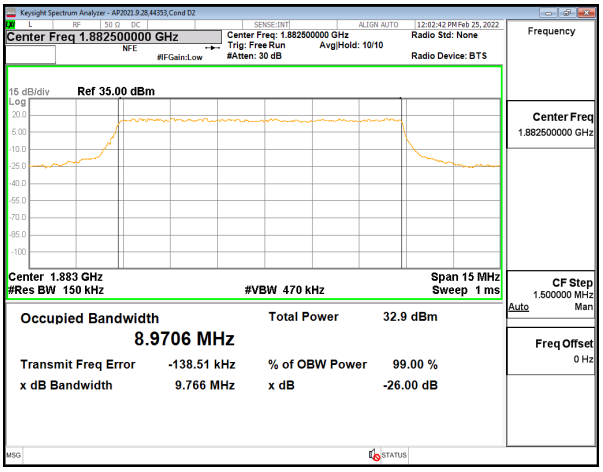


LTE B25 20MHz QPSK Middle Channel RB1-0

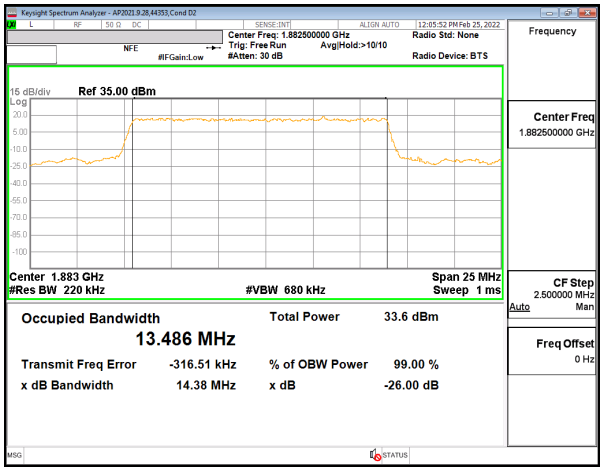
5G NR n25



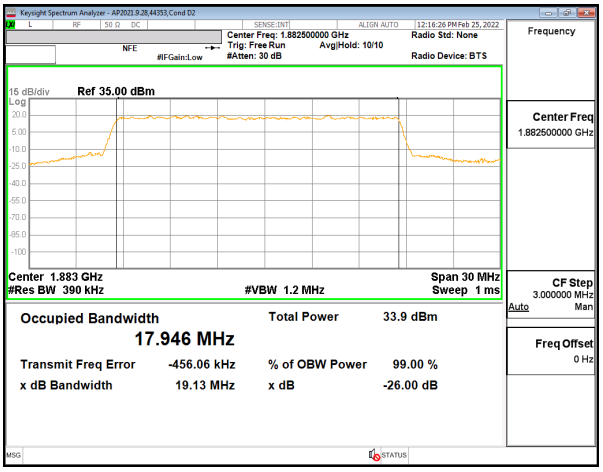
5G NR n25 5MHz BPSK Middle Channel RB25-0



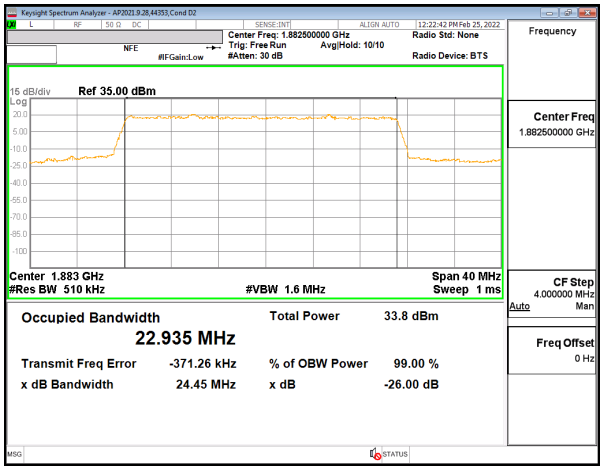
5G NR n25 10MHz BPSK Middle Channel RB50-0



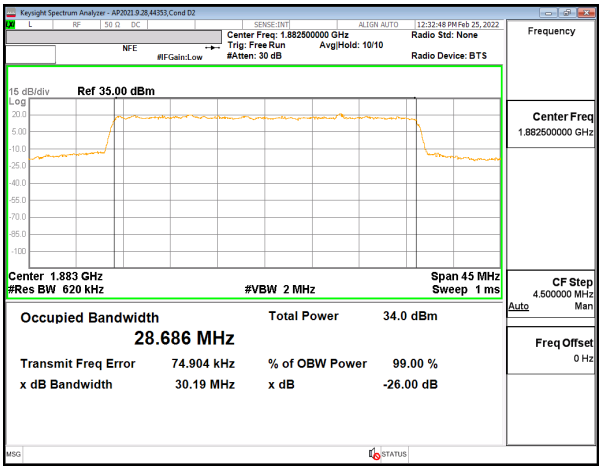
5G NR n25 15MHz BPSK Middle Channel RB75-0



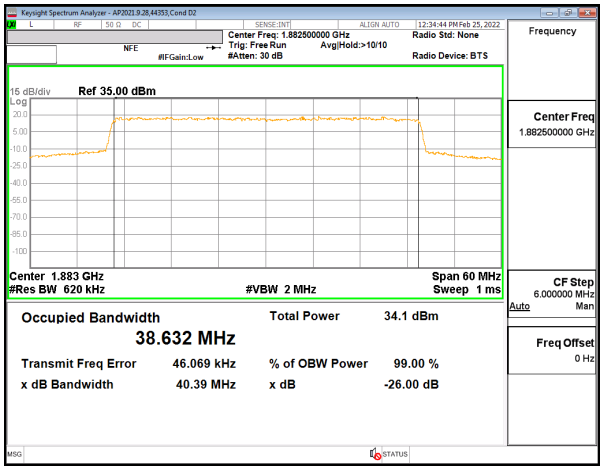
5G NR n25 20MHz BPSK Middle Channel RB100-0



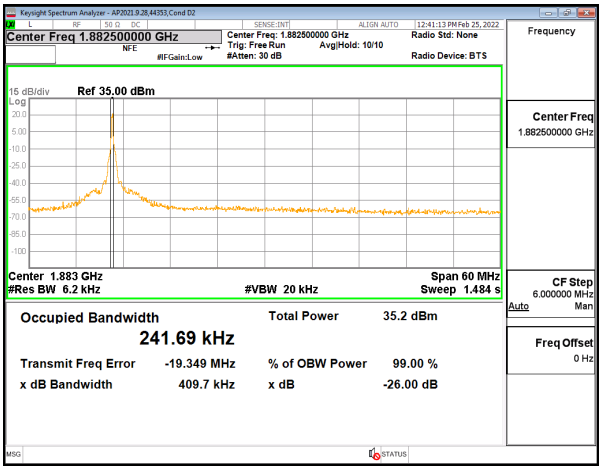
5G NR n25 25MHz BPSK Middle Channel RB128-0



5G NR n25 30MHz BPSK Middle Channel RB160-0



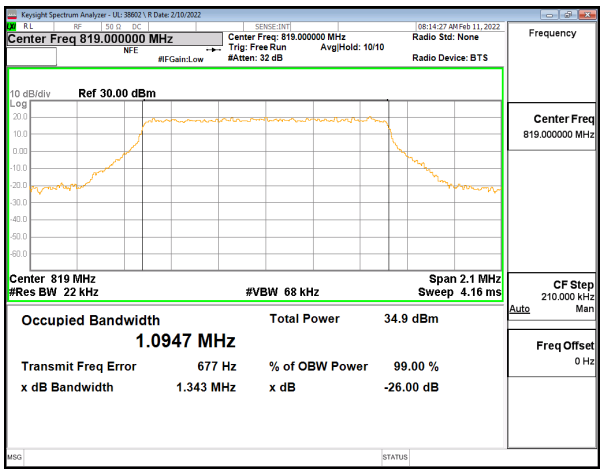
5G NR n25 40MHz BPSK Middle Channel RB216-0



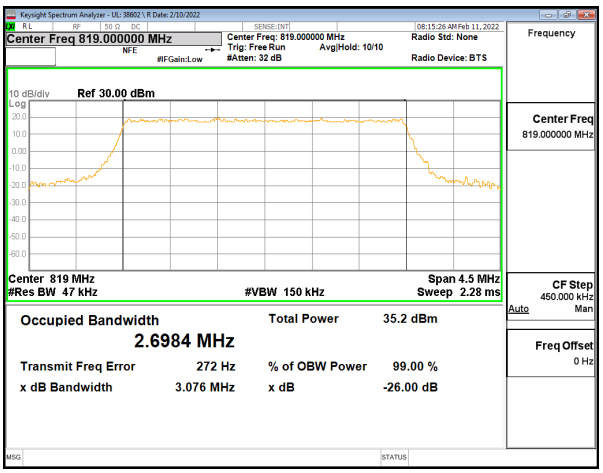
5G NR n25 40MHz BPSK Middle Channel RB1-0

9.1.8. LTE BAND 26 AND 5G NR n26 (PART 90S)

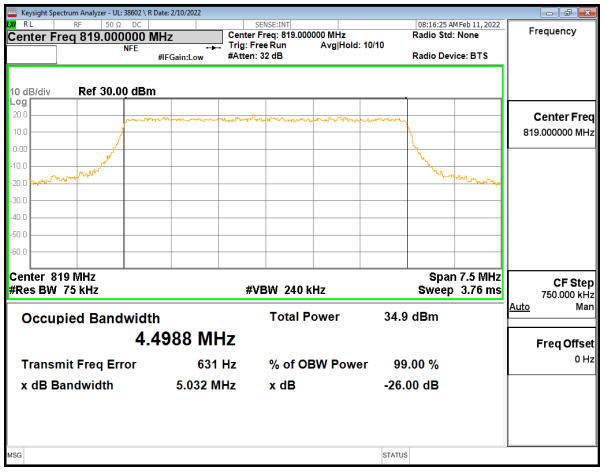
LTE BAND 26



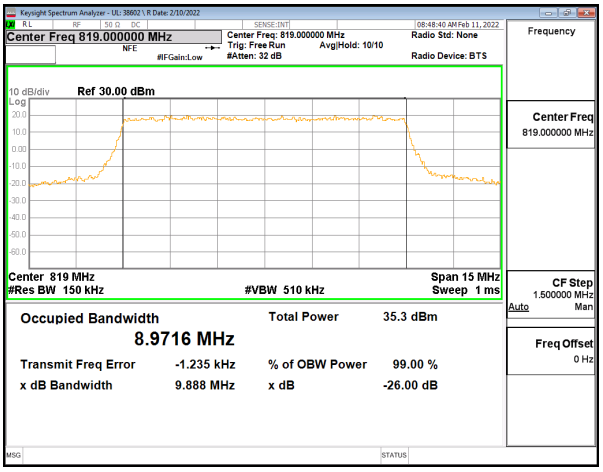
LTE B26 1.4MHz QPSK Middle Channel RB6-0



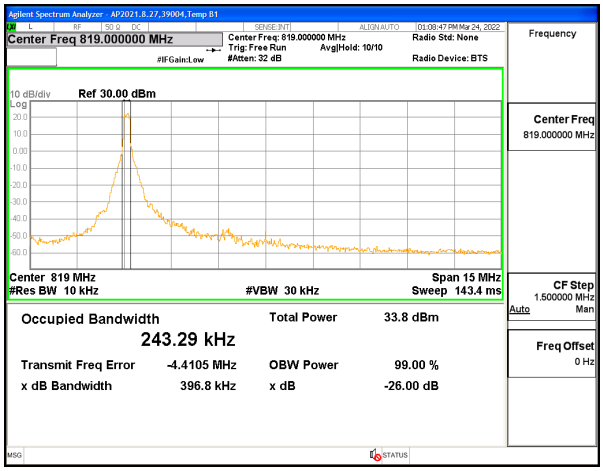
LTE B26 3MHz QPSK Middle Channel RB15-0



LTE B26 5MHz QPSK Middle Channel RB25-0

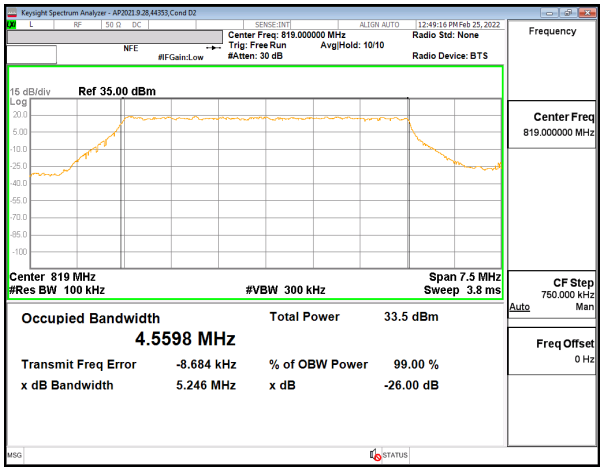


LTE B26 10MHz QPSK Middle Channel RB50-0

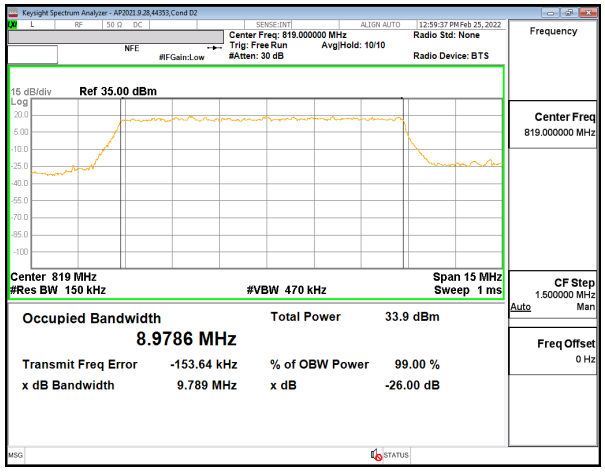


LTE B26 10MHz QPSK Middle Channel RB1-0

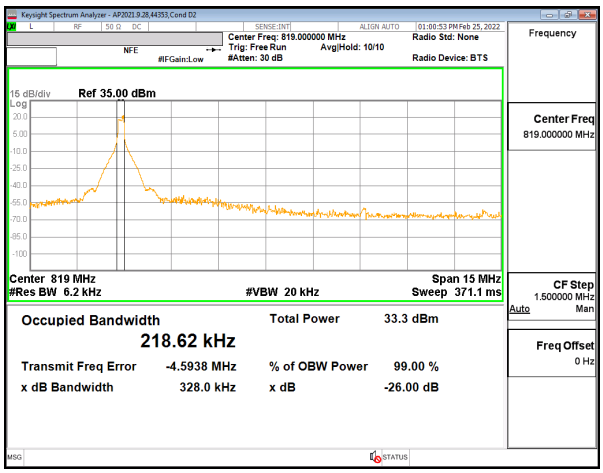
5G NR n26



5G NR n26 90S 5MHz BPSK Middle Channel RB24-0



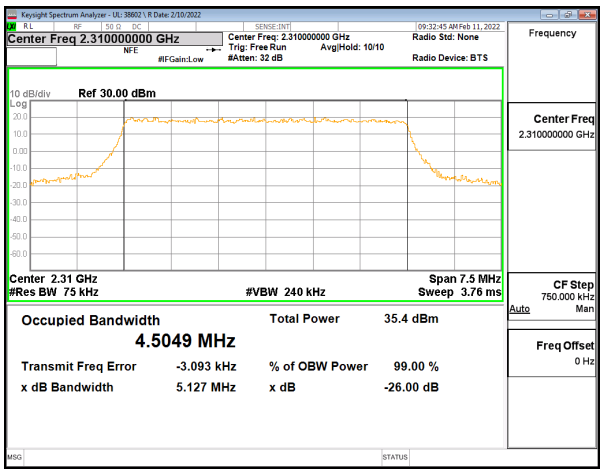
5G NR n26 90S 10MHz BPSK Middle Channel RB50-0



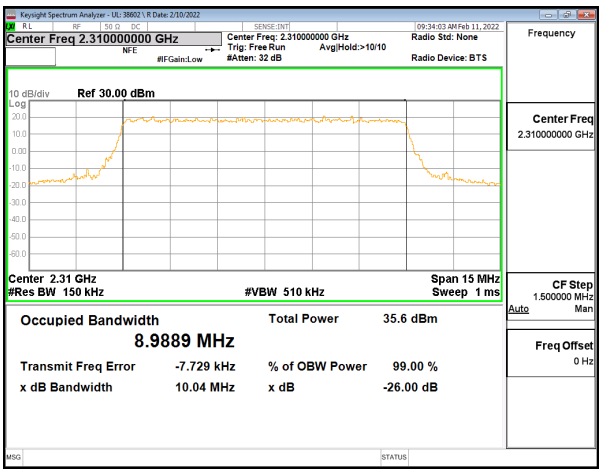
5G NR n26 90S 10MHz BPSK Channel RB1-0

9.1.9. LTE BAND 30 AND 5G NR n30

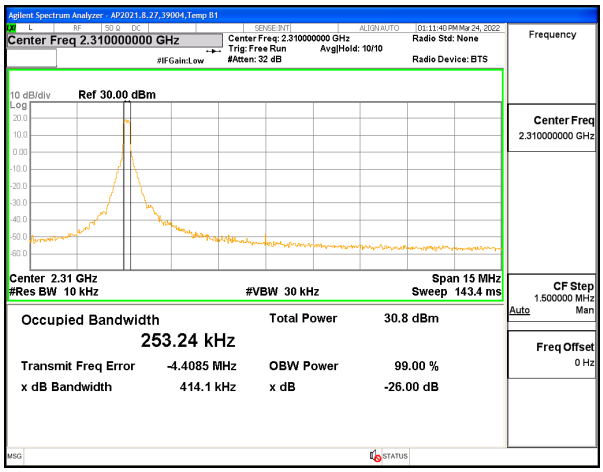
LTE BAND 30



LTE B30 5MHz QPSK Middle Channel RB25-0

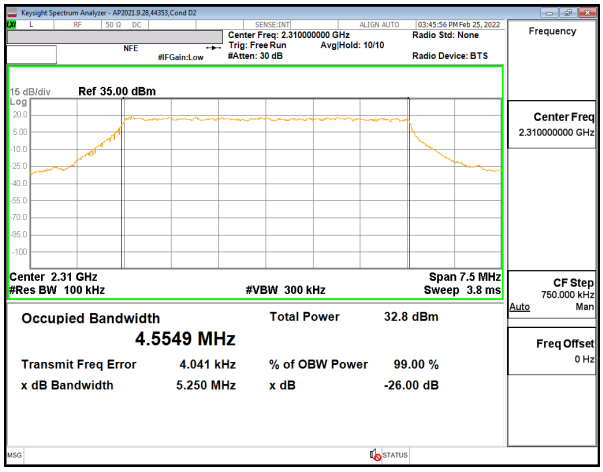


LTE B30 10MHz QPSK Middle Channel RB50-0

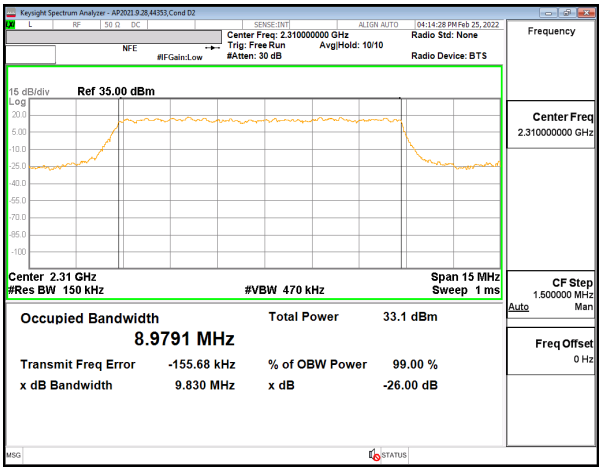


LTE B30 10MHz QPSK Middle Channel RB1-0

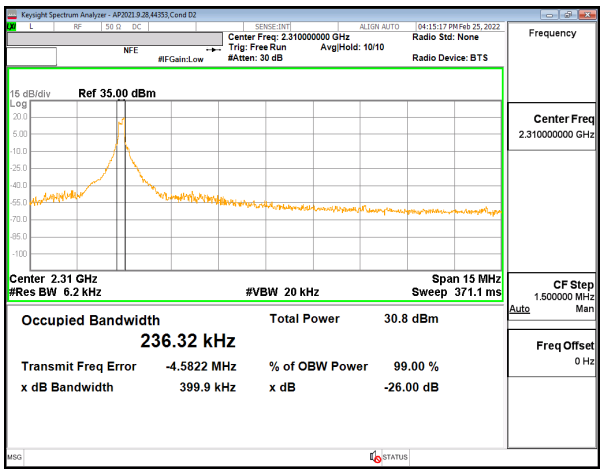
5G NR n30



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



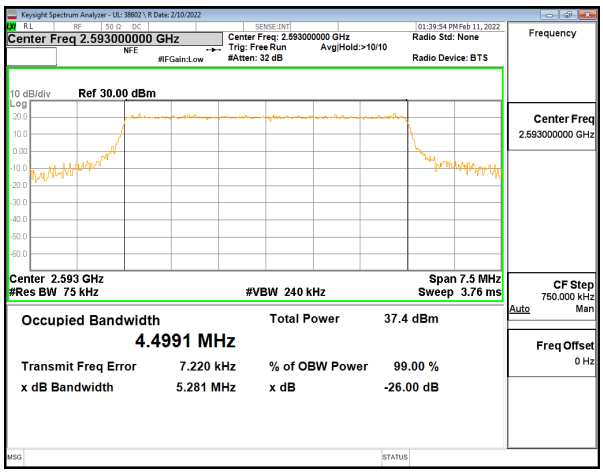
5G NR n30 10MHz BPSK Middle Channel RB50-0



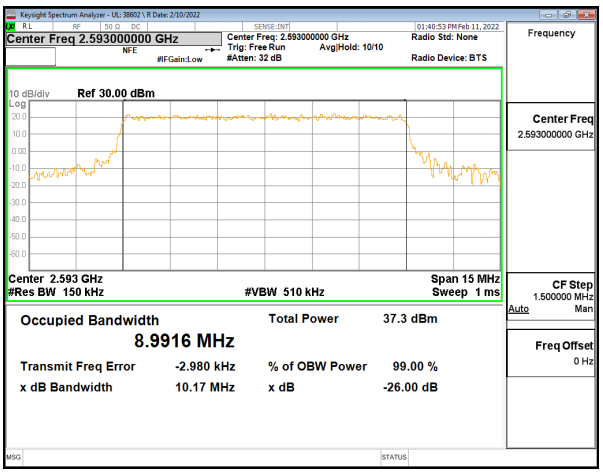
5G NR n30 10MHz BPSK Middle Channel RB1-0

9.1.10. LTE BAND 41 AND 5G NR n41

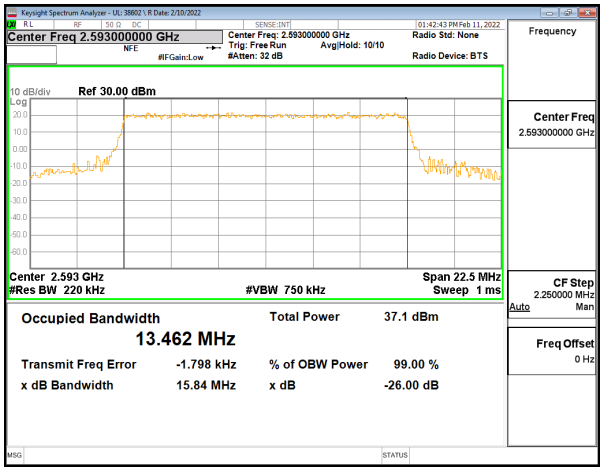
LTE BAND 41



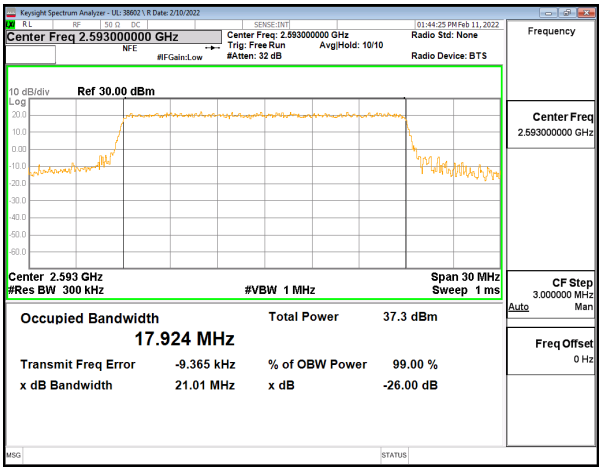
LTE B41 5MHz QPSK Middle Channel RB25-0



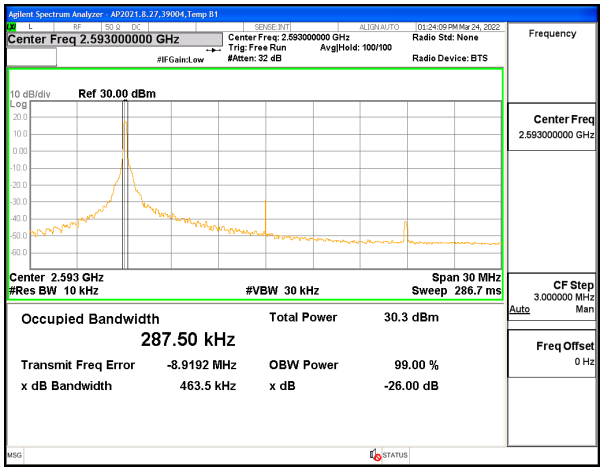
LTE B41 10MHz QPSK Middle Channel RB50-0



LTE B41 15MHz QPSK Middle Channel RB75-0

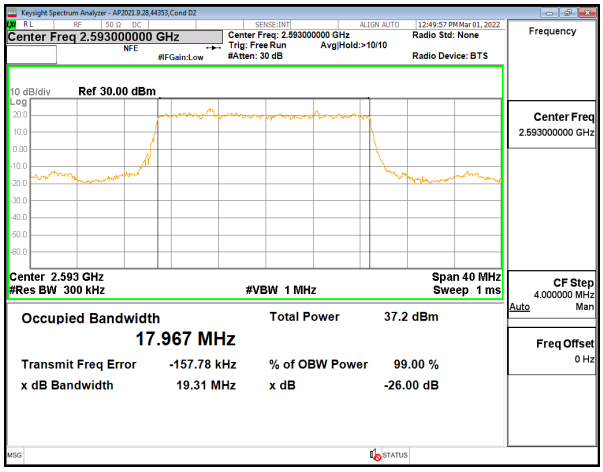


LTE B41 20MHz QPSK Middle Channel RB100-0

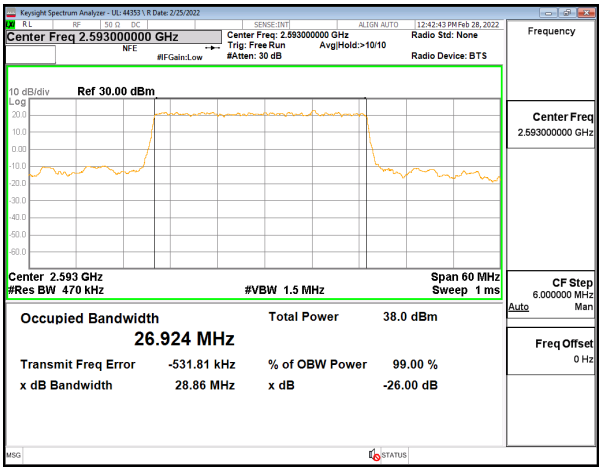


LTE B41 20MHz QPSK Middle Channel RB1-0

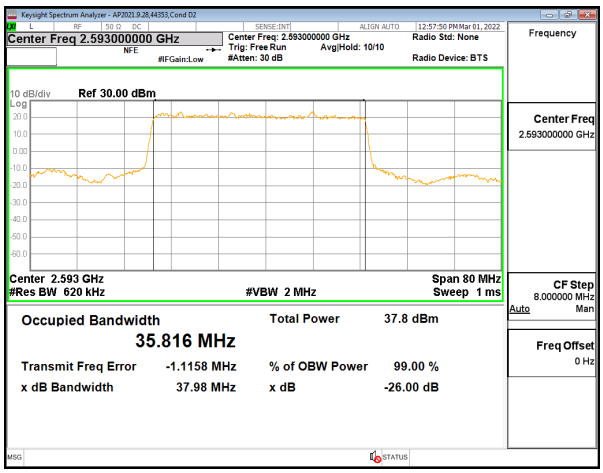
5G NR n41



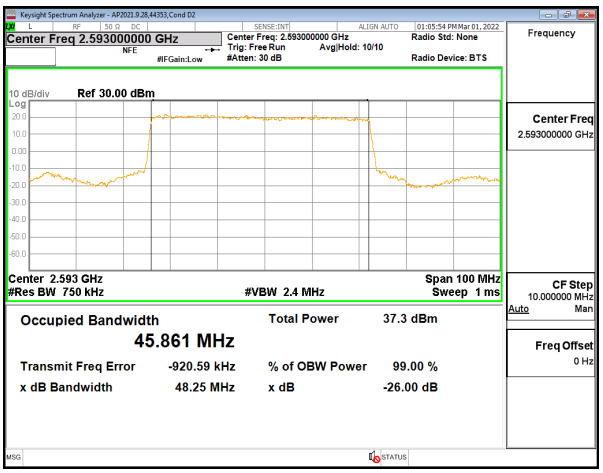
5G NR n41 20MHz BPSK Middle Channel RB24-0



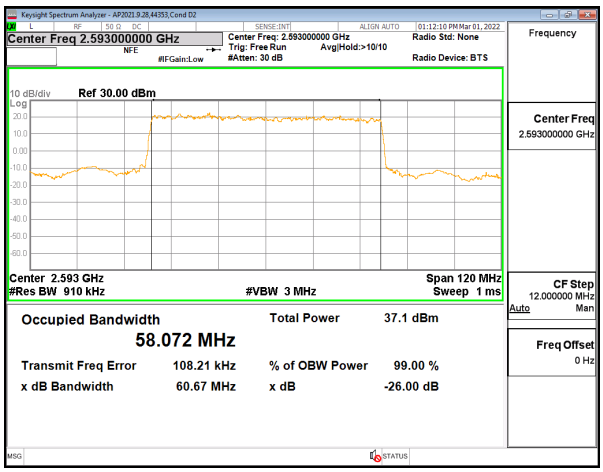
5G NR n41 30MHz BPSK Middle Channel RB50-0



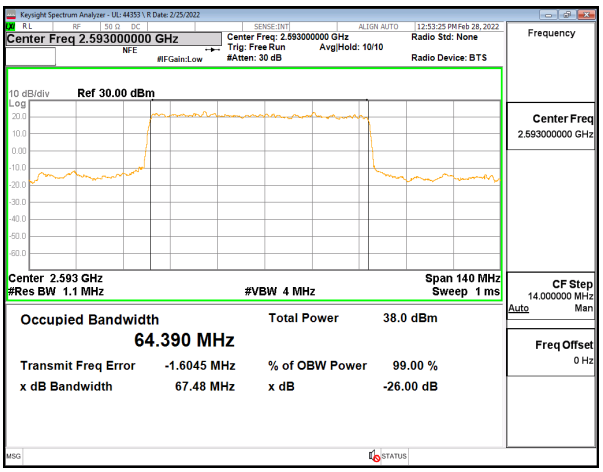
5G NR n41 40MHz BPSK Middle Channel RB75-0



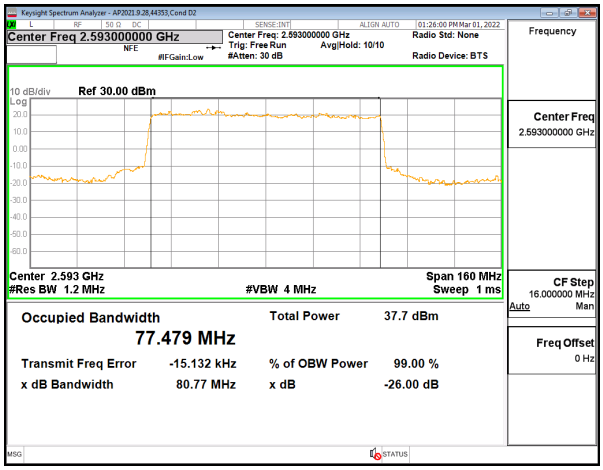
5G NR n41 50MHz BPSK Middle Channel RB100-0



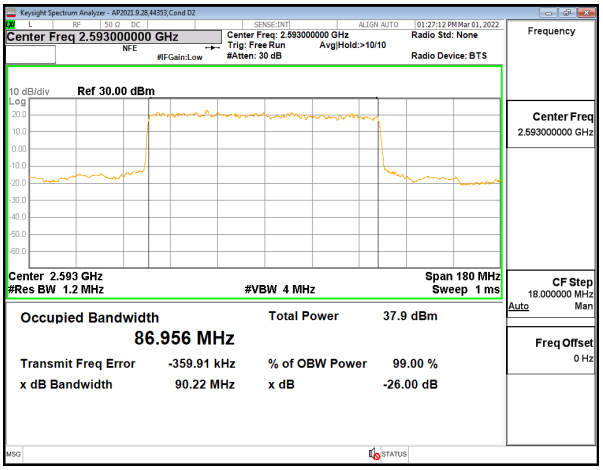
5G NR n41 60MHz BPSK Middle Channel RB128-0



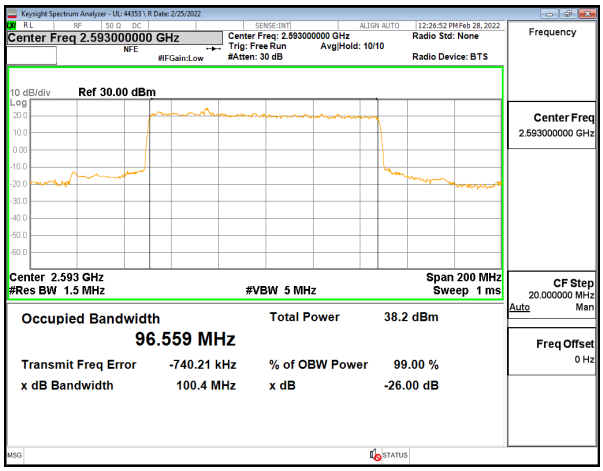
5G NR n41 70MHz BPSK Middle Channel RB161-0



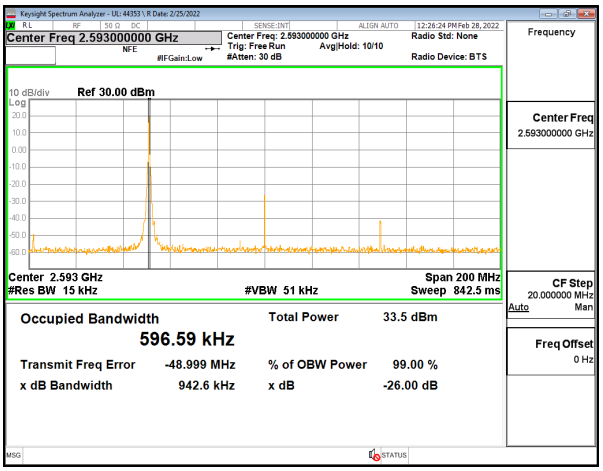
5G NR n41 80MHz BPSK Middle Channel RB180-0



5G NR n41 90MHz BPSK Middle Channel RB216-0



5G NR n41 100MHz BPSK Middle Channel RB243-0



5G NR n41 100MHz BPSK Middle Channel RB1-0