TEST REPORT

Report Number: 15496249-E31V2

Applicant	:	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	:	A3257
Brand	:	APPLE
FCC ID	:	BCG-E8950A
EUT Description	:	SMARTPHONE
Test Standard(s)	:	FCC 47 CFR PART 2, PART 27

Date Of Issue:
2025-08-21

Prepared by:
UL Verification Services Inc.
47173 Benicia Street
Fremont, CA 94538, U.S.A.
TEL: (510) 319-4000
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2025-07-30	Initial Review	--
V2	2025-08-21	Updated Section 6	Eric Ting

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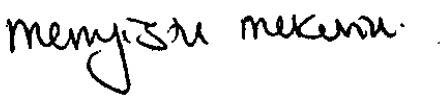
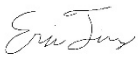
1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	A3257
Brand	APPLE
FCC ID	BCG-E8950A
EUT Description	SMARTPHONE
Serial Number	RADIATED: HM7J7JQX6J, LFJJGD2VPV, GMHVQR27VP CONDUCTED: HVHHH5000AY000122J, HVHHH50002D0000YE7 HVHHD20009U0000YE7
Sample Receipt Date	2025-02-28
Date Tested	2025-03-31 to 2025-07-29
Applicable Standards	FCC 47 CFR PART 2, PART 27
Test Results	COMPLIES

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

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

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

Approved & Released By:	Reviewed By:	Prepared By:
		
Mengistu Mekuria Staff Laboratory Engineer UL Verification Services Inc.	Eric Ting Senior Test Engineer UL Verification Services Inc.	Carlos D. Caudana Laboratory Engineer UL Verification Services Inc.

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2. SUMMARY OF TEST RESULTS

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

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

1. Antenna gain and type (see section 6.4)

Requirement Description	Requirement Clause Number (FCC)	Result	Remarks
Equivalent Isotropic Radiated Power	27.50(k) (3),(j) (3)	Complies	
Occupied Bandwidth	2.1049	Complies	
Band Edge and Emission Mask	2.1051, 27.53(n), 27.53(l)	Complies	
Out of Band Emissions	2.1051, 27.53(n), 27.53(l)	Complies	
Frequency Stability	2.1055, 27.54	Complies	
Peak-to-Average Ratio	27.50(k) (4), 27.50(j) (4)	Complies	
Field Strength of Spurious Radiation	2.1051, 27.53(n), 27.53(l)	Complies	

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3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following.
FCC published lists of measurement procedures for compliance testing

- ANSI C63.26:2015
- ANSI/TIA-603-E (2016)
- FCC 47 CFR Part 2, Part 27
- FCC KDB 971168 D01 : Power Meas License Digital Systems
- FCC KDB 971168 D02: Misc Rev Approv License Devices
- FCC KDB 412172 D01 : Determining ERP and EIRP
- FCC KDB 662911 D01: Multiple Transmitter Output

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☒	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☐	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

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5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

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

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:
Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

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6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

Th The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5GNR1, 5GNR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

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 peak EIRP output powers as follows:

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

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi) (Ant 8)	-0.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
10.0	BPSK	3455.0	3545.0	28.70	28.10	0.646	8.683	8683	8M68G7W
	QPSK			28.61	28.01	0.632	8.691	8691	8M69G7W
	16QAM			27.59	26.99	0.500	8.704	8704	8M70D7W
15.0	BPSK	3457.5	3542.5	28.70	28.10	0.646	12.995	12995	13M0G7W
	QPSK			28.61	28.01	0.632	12.973	12973	13M0G7W
	16QAM			27.58	26.98	0.499	13.007	13007	13M0D7W
20.0	BPSK	3460.0	3540.0	28.70	28.10	0.646	17.997	17997	18M0G7W
	QPSK			28.60	28.00	0.631	17.989	17989	18M0G7W
	16QAM			27.50	26.90	0.490	18.002	18002	18M0D7W
25.0	BPSK	3462.5	3537.5	28.70	28.10	0.646	23.023	23023	23M0G7W
	QPSK			28.60	28.00	0.631	23.018	23018	23M0G7W
	16QAM			27.52	26.92	0.492	23.006	23006	23M0D7W
30.0	BPSK	3465.0	3535.0	28.70	28.10	0.646	26.974	26974	27M0G7W
	QPSK			28.61	28.01	0.632	26.945	26945	26M9G7W
	16QAM			27.58	26.98	0.499	26.979	26979	27M0D7W
40.0	BPSK	3470.0	3530.0	28.70	28.10	0.646	35.926	35926	35M9G7W
	QPSK			28.61	28.01	0.632	35.865	35865	35M9G7W
	16QAM			27.54	26.94	0.494	35.906	35906	35M9D7W
50.0	BPSK	3475.0	3525.0	28.70	28.10	0.646	45.926	45926	45M9G7W
	QPSK			28.62	28.02	0.634	45.925	45925	45M9G7W
	16QAM			27.56	26.96	0.497	45.989	45989	46M0D7W
60.0	BPSK	3480.0	3520.0	28.70	28.10	0.646	58.035	58035	58M0G7W
	QPSK			28.62	28.02	0.634	58.060	58060	58M1G7W
	16QAM			27.51	26.91	0.491	58.064	58064	58M1D7W
70.0	BPSK	3485.0	3515.0	28.70	28.10	0.646	64.668	64668	64M7G7W
	QPSK			28.63	28.03	0.635	64.537	64537	64M5G7W
	16QAM			27.55	26.95	0.495	64.612	64612	64M6D7W
80.0	BPSK	3490.0	3510.0	28.70	28.10	0.646	77.465	77465	77M5G7W
	QPSK			28.62	28.02	0.634	77.389	77389	77M4G7W
	16QAM			27.59	26.99	0.500	77.425	77425	77M4D7W
90.0	BPSK	3495.0	3505.0	28.70	28.10	0.646	86.907	86907	86M9G7W
	QPSK			28.61	28.01	0.632	86.899	86899	86M9G7W
	16QAM			27.40	26.80	0.479	86.948	86948	86M9D7W
100.0	BPSK	3500.0	3500.0	28.70	28.10	0.646	96.750	96750	96M8G7W
	QPSK			28.62	28.02	0.634	96.732	96732	96M7G7W
	16QAM			27.61	27.01	0.502	96.669	96669	96M7D7W

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

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi) (Ant9+8)	-2.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
10.0	BPSK	3455.0	3545.0	31.71	29.11	0.815	8.683	8683	8M68G7W
	QPSK			31.27	28.67	0.736	8.691	8691	8M69G7W
	16QAM			30.54	27.94	0.622	8.704	8704	8M70D7W
15.0	BPSK	3457.5	3542.5	31.71	29.11	0.815	12.995	12995	13M0G7W
	QPSK			31.40	28.80	0.759	12.973	12973	13M0G7W
	16QAM			30.55	27.95	0.624	13.007	13007	13M0D7W
20.0	BPSK	3460.0	3540.0	31.71	29.11	0.815	17.997	17997	18M0G7W
	QPSK			31.28	28.68	0.738	17.989	17989	18M0G7W
	16QAM			30.46	27.86	0.611	18.002	18002	18M0D7W
25.0	BPSK	3462.5	3537.5	31.71	29.11	0.815	23.023	23023	23M0G7W
	QPSK			31.33	28.73	0.746	23.018	23018	23M0G7W
	16QAM			30.60	28.00	0.631	23.006	23006	23M0D7W
30.0	BPSK	3465.0	3535.0	31.65	29.05	0.804	26.974	26974	27M0G7W
	QPSK			31.29	28.69	0.740	26.945	26945	26M9G7W
	16QAM			30.46	27.86	0.611	26.979	26979	27M0D7W
40.0	BPSK	3470.0	3530.0	31.71	29.11	0.815	35.926	35926	35M9G7W
	QPSK			31.55	28.95	0.785	35.865	35865	35M9G7W
	16QAM			30.85	28.25	0.668	35.906	35906	35M9D7W
50.0	BPSK	3475.0	3525.0	31.71	29.11	0.815	45.926	45926	45M9G7W
	QPSK			31.52	28.92	0.780	45.925	45925	45M9G7W
	16QAM			30.89	28.29	0.675	45.989	45989	46M0D7W
60.0	BPSK	3480.0	3520.0	31.71	29.11	0.815	58.035	58035	58M0G7W
	QPSK			31.58	28.98	0.791	58.060	58060	58M1G7W
	16QAM			30.77	28.17	0.656	58.064	58064	58M1D7W
70.0	BPSK	3485.0	3515.0	31.71	29.11	0.815	64.668	64668	64M7G7W
	QPSK			31.26	28.66	0.735	64.537	64537	64M5G7W
	16QAM			30.40	27.80	0.603	64.612	64612	64M6D7W
80.0	BPSK	3490.0	3510.0	31.71	29.11	0.815	77.465	77465	77M5G7W
	QPSK			31.06	28.46	0.701	77.389	77389	77M4G7W
	16QAM			30.47	27.87	0.612	77.425	77425	77M4D7W
90.0	BPSK	3495.0	3505.0	31.71	29.11	0.815	86.907	86907	86M9G7W
	QPSK			31.13	28.53	0.713	86.899	86899	86M9G7W
	16QAM			30.92	28.32	0.679	86.948	86948	86M9D7W
100.0	BPSK	3500.0	3500.0	31.67	29.07	0.807	96.750	96750	96M8G7W
	QPSK			31.12	28.52	0.711	96.732	96732	96M7G7W
	16QAM			30.68	28.08	0.643	96.669	96669	96M7D7W

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

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi) (Ant 8)	-0.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
10.0	BPSK	3705.0	3975.0	28.70	28.10	0.646	8.691	8691	8M69G7W
	QPSK			28.68	28.08	0.643	8.647	8647	8M65G7W
	16QAM			27.67	27.07	0.509	8.658	8658	8M66D7W
15.0	BPSK	3707.5	3972.5	28.70	28.10	0.646	12.938	12938	12M9G7W
	QPSK			28.69	28.09	0.644	12.967	12967	13M0G7W
	16QAM			27.59	26.99	0.500	12.931	12931	12M9D7W
20.0	BPSK	3710.0	3970.0	28.70	28.10	0.646	17.900	17900	17M9G7W
	QPSK			28.68	28.08	0.643	17.946	17946	17M9G7W
	16QAM			27.65	27.05	0.507	17.891	17891	17M9D7W
25.0	BPSK	3712.5	3967.5	28.70	28.10	0.646	22.979	22979	23M0G7W
	QPSK			28.69	28.09	0.644	22.963	22963	23M0G7W
	16QAM			27.64	27.04	0.506	22.919	22919	22M9D7W
30.0	BPSK	3715.0	3965.0	28.70	28.10	0.646	26.886	26886	26M9G7W
	QPSK			28.68	28.08	0.643	26.871	26871	26M9G7W
	16QAM			27.60	27.00	0.501	26.836	26836	26M8D7W
40.0	BPSK	3720.0	3960.0	28.70	28.10	0.646	35.823	35823	35M8G7W
	QPSK			28.68	28.08	0.643	35.722	35722	35M7G7W
	16QAM			27.60	27.00	0.501	35.809	35809	35M8D7W
50.0	BPSK	3725.0	3955.0	28.70	28.10	0.646	45.942	45942	45M9G7W
	QPSK			28.67	28.07	0.641	45.855	45855	45M9G7W
	16QAM			27.63	27.03	0.505	45.910	45910	45M9D7W
60.0	BPSK	3730.0	3950.0	28.70	28.10	0.646	57.891	57891	57M9G7W
	QPSK			28.67	28.07	0.641	57.979	57979	58M0G7W
	16QAM			27.61	27.01	0.502	57.971	57971	58M0D7W
70.0	BPSK	3735.0	3945.0	28.70	28.10	0.646	64.326	64326	64M3G7W
	QPSK			28.69	28.09	0.644	64.392	64392	64M4G7W
	16QAM			27.66	27.06	0.508	64.408	64408	64M4D7W
80.0	BPSK	3740.0	3940.0	28.70	28.10	0.646	77.169	77169	77M2G7W
	QPSK			28.66	28.06	0.640	77.414	77414	77M4G7W
	16QAM			27.57	26.97	0.498	77.264	77264	77M3D7W
90.0	BPSK	3745.0	3935.0	28.70	28.10	0.646	86.794	86794	86M8G7W
	QPSK			28.68	28.08	0.643	86.762	86762	86M8G7W
	16QAM			27.68	27.08	0.511	86.810	86810	86M8D7W
100.0	BPSK	3750.0	3930.0	28.70	28.10	0.646	96.731	96731	96M7G7W
	QPSK			28.68	28.08	0.643	96.579	96579	96M6G7W
	16QAM			27.67	27.07	0.509	96.527	96527	96M5D7W

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

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi) (Ant9+8)	-2.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
10.0	BPSK	3705.0	3975.0	31.71	29.11	0.815	8.691	8691	8M69G7W
	QPSK			31.51	28.91	0.778	8.647	8647	8M65G7W
	16QAM			30.77	28.17	0.656	8.658	8658	8M66D7W
15.0	BPSK	3707.5	3972.5	31.71	29.11	0.815	12.938	12938	12M9G7W
	QPSK			31.56	28.96	0.787	12.967	12967	13M0G7W
	16QAM			30.69	28.09	0.644	12.931	12931	12M9D7W
20.0	BPSK	3710.0	3970.0	31.71	29.11	0.815	17.900	17900	17M9G7W
	QPSK			31.67	29.07	0.807	17.946	17946	17M9G7W
	16QAM			31.00	28.40	0.692	17.891	17891	17M9D7W
25.0	BPSK	3712.5	3967.5	31.71	29.11	0.815	22.979	22979	23M0G7W
	QPSK			31.59	28.99	0.793	22.963	22963	23M0G7W
	16QAM			30.73	28.13	0.650	22.919	22919	22M9D7W
30.0	BPSK	3715.0	3965.0	31.71	29.11	0.815	26.886	26886	26M9G7W
	QPSK			31.54	28.94	0.783	26.871	26871	26M9G7W
	16QAM			31.04	28.44	0.698	26.836	26836	26M8D7W
40.0	BPSK	3720.0	3960.0	31.71	29.11	0.815	35.823	35823	35M8G7W
	QPSK			31.58	28.98	0.791	35.722	35722	35M7G7W
	16QAM			31.06	28.46	0.701	35.809	35809	35M8D7W
50.0	BPSK	3725.0	3955.0	31.71	29.11	0.815	45.942	45942	45M9G7W
	QPSK			31.68	29.08	0.809	45.855	45855	45M9G7W
	16QAM			30.96	28.36	0.685	45.910	45910	45M9D7W
60.0	BPSK	3730.0	3950.0	31.71	29.11	0.815	57.891	57891	57M9G7W
	QPSK			31.54	28.94	0.783	57.979	57979	58M0G7W
	16QAM			30.91	28.31	0.678	57.971	57971	58M0D7W
70.0	BPSK	3735.0	3945.0	31.71	29.11	0.815	64.326	64326	64M3G7W
	QPSK			31.06	28.46	0.701	64.392	64392	64M4G7W
	16QAM			30.45	27.85	0.610	64.408	64408	64M4D7W
80.0	BPSK	3740.0	3940.0	31.71	29.11	0.815	77.169	77169	77M2G7W
	QPSK			31.22	28.62	0.728	77.414	77414	77M4G7W
	16QAM			30.87	28.27	0.671	77.264	77264	77M3D7W
90.0	BPSK	3745.0	3935.0	31.71	29.11	0.815	86.794	86794	86M8G7W
	QPSK			31.12	28.52	0.711	86.762	86762	86M8G7W
	16QAM			30.67	28.07	0.641	86.810	86810	86M8D7W
100.0	BPSK	3750.0	3930.0	31.71	29.11	0.815	96.731	96731	96M7G7W
	QPSK			31.14	28.54	0.714	96.579	96579	96M6G7W
	16QAM			30.33	27.73	0.593	96.527	96527	96M5D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 0.80.00.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

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

SISO MODE

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Conducted Output Power (dBm)	EIRP (dBm)
5G NR n77	3450 – 3550	ANT4	-3.50	27.70	24.20
		ANT7	-2.40	28.70	26.30
		ANT8	-0.60	28.70	**28.10**
		ANT9	-1.60	28.70	27.10
5G NR n77	3700 – 3980	ANT4	-3.50	27.70	24.20
		ANT7	-2.40	28.70	26.30
		ANT8	-0.60	28.70	**28.10**
		ANT9	-1.60	28.70	27.10

MIMO MODE

Bands	Frequency Range (MHz)	Antenna	Maximum Allowed Conducted Power Per Antenna (dBm)		Max Allowed Combined Conducted Output Power (dBm)	Gain (dBi)	EIRP (dBm)
5G NR n77	3450 – 3550	ANT 9+8	28.7	28.7	31.71	-2.60	**29.11**
		ANT 9+4	28.7	27.7	31.24	-4.30	26.94
		ANT 9+7	28.7	28.7	31.71	-3.90	27.81
		ANT 4+8	27.7	28.7	31.24	-2.90	28.34
		ANT 4+7	27.7	28.7	31.24	-5.80	25.44
		ANT 7+8	28.7	28.7	31.71	-2.70	29.01
5G NR n77	3700 – 3980	ANT 9+8	28.7	28.7	31.71	-2.60	**29.11**
		ANT 9+4	28.7	27.7	31.24	-4.30	26.94
		ANT 9+7	28.7	28.7	31.71	-3.90	27.81
		ANT 4+8	27.7	28.7	31.24	-2.90	28.34
		ANT 4+7	27.7	28.7	31.24	-5.80	25.44
		ANT 7+8	28.7	28.7	31.71	-2.70	29.01

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- 5G NR n77

5G NR n77, SISO data were used for OBW, PAR and FS because these measurements are independent of the number of antennas used simultaneously.

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, BPSK were observed as the worst mode to 5G NR bands respectively and set for all conducted and radiated. Output power measurements were measured on BPSK, QPSK, 16QAM, 64QAM, and 256QAM modulations. For testing purposes emissions on section 9 were measured while 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.

5G NR Bands	Worst case Antenna Port
5G NR n77 (SISO)	Ant 9
5G NR n77 (MIMO)	Ant 9 + 8

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

Frequency Range	ANT4	ANT7	ANT8	ANT9	ANT9+8	ANT9+7	ANT4+8	ANT4+7	ANT7+8	ANT9+4
3300 – 3980 MHz	X	X	Y	Z	Y	X	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 30MHz, 30MHz-1GHz and above 18GHz.

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

Refer to Appendix A for description of test setup.

7. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	85723	2026-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2026-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2026-04-30
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2026-01-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	2026-02-28
RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	236726	2025-10-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	80403	2026-08-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	171863	2026-11-30
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	224490	2026-05-06
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2025-07-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2025-07-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262735	2026-03-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231912	2026-04-30
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	172353	2025-08-31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	220194	2026-04-29
Antenna, Horn 26.5-40GHz	A.R.A	MWH-2640/B	81105	2025-08-31
Link File, RF Amplifier Assembly, 26.5-40GHz, 65dB Gain	Amplical	AMP26G40-65	220193	2026-04-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	259079	2026-02-28
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262734	2026-04-30
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230298	2026-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	85943	2026-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262742	2027-02-11
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262741	2027-02-11
Conducted Switch Box	N/A	CSB	221008	2026-04-30
Conducted Switch Box	N/A	CSB	262354	2026-04-30
Filter, BRF 3400-3800MHz, 18GHz max	Micro-Tronics	BRM50711	217364	2025-09-30
Filter, BRF 2305-2315	Micro-Tronics	BRC20553	224186	2026-06-29
Directional Coupler	KRYTAR	152610	254457	10-31-2025
Directional Coupler	KRYTAR	101040010K	254458	10-30-2025
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90718	2026-03-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257704	2026-03-31
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	89097	2025-10-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Power Measurement	Ver 2023.08.14	
Conducted Software	UL	Antenna Port	Ver 8.16	
Conducted Software	UL	Station Tool	Ver. 3.0, 4.8, 5.0, 5.3, 6.1	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

8. RF OUTPUT POWER VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

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

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

In band power measurements for MIMO modes are made by summing the channel power for the individual chains to calculate the total power following the measure and sum method E)1) from KDB 662911 D01.

RESULTS

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

8.1. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO)

Test Engineer ID:	27700	Test Date:	2025-04-19

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.50	25.64	25.52	25.82	25.71	25.84	24.44	24.60	24.51	24.96	25.03	24.99
		1	1	**28.70**	**28.70**	**28.70**	28.69	**28.70**	28.63	27.61	**27.70**	**27.70**	**28.70**	**28.70**	28.66
		1	22	28.45	28.68	28.67	28.59	28.68	28.70	**27.70**	27.67	27.58	28.58	28.59	**28.70**
		1	23	25.19	25.53	25.52	25.79	25.72	25.84	24.46	24.48	24.50	24.98	24.92	25.04
		12	6	28.44	28.64	28.61	**28.70**	28.68	**28.70**	27.58	27.63	27.53	28.61	28.54	28.61
		24	0	28.31	28.41	28.32	28.18	28.10	28.17	27.40	27.41	27.34	27.88	27.87	27.89
	QPSK	1	0	25.48	25.62	25.50	25.81	25.69	25.82	24.42	24.58	24.50	24.95	25.02	24.98
		1	1	28.62	28.68	**28.69**	28.59	28.60	28.53	27.59	**27.69**	27.68	28.68	28.68	28.64
		1	22	28.43	28.67	28.65	28.50	28.58	28.60	27.69	27.66	27.57	28.56	28.57	**28.69**
		1	23	25.18	25.52	25.51	25.78	25.71	25.82	24.45	24.47	24.49	24.97	24.91	25.03
		12	6	28.37	28.62	28.59	**28.61**	28.59	28.61	27.56	27.62	27.52	28.60	28.52	28.60
		24	0	28.17	28.36	28.27	28.03	27.95	28.02	27.35	27.36	27.29	27.85	27.85	27.87
	16QAM	1	0	24.42	24.41	24.24	24.57	24.63	24.78	23.39	23.35	23.25	24.36	24.22	24.36
		1	1	27.41	27.60	27.43	27.44	27.44	27.48	26.45	26.55	**26.65**	27.64	27.63	27.50
		1	22	27.34	**27.66**	27.63	27.35	27.57	27.43	26.45	26.54	26.55	27.46	27.52	**27.65**
		1	23	23.94	24.41	24.42	24.67	24.45	24.62	23.25	23.35	23.30	24.36	24.15	24.25
		12	6	27.33	27.49	27.57	27.43	**27.59**	27.53	26.43	26.45	26.44	27.35	27.45	27.45
		24	0	27.17	27.15	27.02	26.91	26.91	26.85	26.34	26.11	26.02	26.81	26.67	26.71
	64QAM	1	0	24.27	24.35	24.15	24.41	24.43	24.54	23.34	23.09	23.07	24.25	24.25	24.00
		1	1	26.26	26.45	26.35	26.33	26.39	26.23	25.21	25.47	25.44	26.51	**26.62**	26.39
		1	22	26.13	**26.64**	26.53	26.31	26.36	26.34	25.18	**25.53**	25.31	26.32	26.36	26.58
		1	23	24.33	24.23	24.19	24.61	24.23	24.56	23.04	23.17	23.16	24.25	24.15	24.11
		12	6	26.19	26.23	26.51	26.20	26.47	**26.47**	25.36	25.34	25.36	26.13	26.43	26.28
		24	0	26.16	25.92	25.80	25.73	25.89	25.72	25.28	25.04	25.01	25.64	25.49	25.67
	256QAM	1	0	24.12	24.08	24.07	24.40	24.37	24.41	23.20	23.02	23.30	24.25	24.55	24.06
		1	1	24.99	25.20	25.11	25.14	25.30	25.18	24.16	24.20	24.17	25.49	**25.54**	25.20
		1	22	25.12	**25.63**	25.43	25.06	25.36	25.07	24.06	**24.30**	24.22	25.09	25.30	25.48
		1	23	24.30	24.15	23.94	24.46	24.00	24.54	23.22	23.17	23.06	24.00	24.03	24.01
		12	6	24.97	25.14	25.46	25.07	**25.38**	25.23	24.23	24.27	24.10	24.96	25.43	25.28
		24	0	25.01	24.67	24.73	24.49	24.64	24.47	24.03	23.96	23.80	24.52	24.42	24.47

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.57	25.44	25.55	25.51	25.66	25.84	24.46	24.58	24.55	24.95	25.11	24.92
		1	1	**28.70**	28.63	28.64	28.57	**28.70**	**28.70**	27.64	27.64	**27.70**	28.54	28.62	28.53
		1	36	28.63	28.54	28.65	**28.70**	28.58	28.67	27.62	27.65	27.63	28.58	28.69	**28.70**
		1	37	25.52	25.44	25.44	25.56	25.62	25.84	24.52	24.51	24.47	24.98	25.09	24.97
		18	9	28.70	**28.70**	**28.70**	28.43	28.57	28.66	**27.70**	**27.70**	27.68	**28.70**	**28.70**	28.65
		36	0	28.52	28.36	28.40	27.85	28.01	28.07	27.40	27.45	27.34	27.92	28.00	27.92
	QPSK	1	0	25.56	25.43	25.54	25.49	25.64	25.82	24.44	24.56	24.53	24.93	25.09	24.91
		1	1	**28.69**	28.61	28.63	28.48	**28.61**	28.61	27.62	27.63	27.68	28.48	28.58	28.52
		1	36	28.62	28.53	28.64	28.60	28.49	28.58	27.60	27.63	27.61	28.52	28.65	**28.68**
		1	37	25.51	25.43	25.43	25.55	25.61	25.82	24.50	24.50	24.46	24.96	25.07	24.95
		18	9	28.69	28.69	28.69	28.34	28.48	28.58	27.68	**27.69**	27.66	28.61	28.63	28.62
		36	0	28.46	28.31	28.34	27.72	27.87	27.94	27.35	27.40	27.29	27.82	27.89	27.86
	16QAM	1	0	24.47	24.41	24.44	24.22	24.59	24.69	23.20	23.32	23.29	24.47	24.67	24.28
		1	1	**27.64**	27.46	27.54	27.21	27.55	**27.58**	26.39	26.42	26.52	27.23	27.38	27.38
		1	36	27.55	27.52	27.60	27.50	27.41	27.52	26.54	26.49	26.59	27.25	**27.54**	27.50
		1	37	24.50	24.36	24.29	24.45	24.57	24.67	23.47	23.23	23.39	24.42	24.50	24.38
		18	9	27.64	27.61	27.61	27.19	27.26	27.49	26.41	26.55	**26.66**	27.36	27.45	27.48
		36	0	27.42	27.29	27.08	26.57	26.65	26.69	26.13	26.28	26.16	26.60	26.81	26.61
	64QAM	1	0	24.41	24.17	24.33	23.97	24.40	24.66	23.07	23.06	23.19	24.37	24.48	24.12
		1	1	26.49	26.20	26.42	26.10	**26.53**	26.35	25.21	25.24	25.45	26.10	26.13	26.28
		1	36	26.41	26.31	26.58	26.36	26.24	26.41	25.41	25.23	**25.59**	26.18	**26.52**	26.48
		1	37	24.36	24.21	24.02	24.35	24.44	24.50	23.24	23.03	23.27	24.26	24.45	24.33
		18	9	26.37	**26.61**	26.49	26.07	26.26	26.24	25.20	25.33	25.42	26.24	26.34	26.28
		36	0	26.41	26.11	25.95	25.34	25.53	25.44	24.91	25.08	25.08	25.44	25.64	25.61
	256QAM	1	0	24.36	23.94	24.13	23.87	24.40	24.43	22.84	22.87	23.10	24.25	24.22	24.02
		1	1	25.39	25.03	25.20	25.07	**25.51**	25.25	24.01	24.20	24.21	24.83	24.93	25.10
		1	36	25.23	25.25	**25.47**	25.36	25.03	25.21	24.41	24.15	**24.47**	25.12	**25.52**	25.24
		1	37	24.09	23.95	24.01	24.13	24.29	24.25	23.06	23.02	23.01	24.00	24.44	24.13
		18	9	25.15	25.45	25.26	24.96	25.17	25.00	24.11	24.14	24.25	25.16	25.22	25.09
		36	0	25.29	24.88	24.84	24.22	24.32	24.30	23.73	24.04	24.08	24.27	24.62	24.54

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.58	25.59	25.61	25.58	25.53	25.91	24.64	24.61	24.61	25.04	25.06	24.98
		1	1	**28.70**	**28.70**	28.69	28.63	**28.70**	**28.70**	27.67	**27.70**	27.69	28.66	**28.70**	28.55
		1	49	28.56	28.63	**28.70**	**28.70**	28.35	28.63	**27.70**	27.60	**27.70**	**28.70**	28.62	**28.70**
		1	50	25.41	25.50	25.56	25.63	25.55	25.89	24.48	24.43	24.49	25.05	24.88	24.96
		25	12	28.59	28.61	28.66	28.52	28.43	28.60	27.58	27.61	27.60	28.63	28.62	28.52
		50	0	28.64	28.53	28.68	28.08	27.94	28.11	27.59	27.57	27.62	28.07	28.14	28.03
	QPSK	1	0	25.56	25.57	25.60	25.56	25.52	25.89	24.62	24.59	24.59	25.03	25.05	24.95
		1	1	28.68	**28.69**	28.68	28.53	28.59	**28.60**	27.66	**27.69**	27.68	28.59	28.65	28.53
		1	49	28.55	28.61	28.69	28.60	28.26	28.54	27.68	27.58	27.69	28.65	28.57	**28.68**
		1	50	25.40	25.48	25.55	25.62	25.54	25.87	24.47	24.42	24.48	25.04	24.87	24.95
		25	12	28.57	28.59	28.64	28.44	28.35	28.52	27.57	27.60	27.59	28.56	28.56	28.49
		50	0	28.58	28.47	28.63	27.93	27.79	27.96	27.53	27.51	27.57	27.94	28.01	27.94
	16QAM	1	0	24.46	24.54	24.59	24.56	24.51	24.71	23.60	23.37	23.37	24.53	24.75	25.16
		1	1	27.41	27.56	**27.68**	27.50	27.43	**27.50**	26.42	26.56	**26.62**	27.40	27.61	27.44
		1	49	27.55	27.51	27.50	27.41	27.06	27.42	26.55	26.54	26.62	**27.62**	27.31	27.51
		1	50	24.36	24.23	24.38	24.58	24.29	24.68	23.32	23.31	23.46	24.50	24.83	25.10
		25	12	27.40	27.46	27.50	27.34	27.27	27.50	26.47	26.59	26.56	27.33	27.47	27.44
		50	0	27.43	27.47	27.40	26.79	26.67	26.79	26.42	26.38	26.51	26.83	26.94	26.85
	64QAM	1	0	24.38	24.32	24.37	24.39	24.26	24.57	23.41	23.20	23.23	24.49	24.03	24.26
		1	1	26.29	26.48	**26.61**	26.32	26.31	26.27	25.18	25.33	25.54	26.40	**26.57**	26.22
		1	49	26.37	26.32	26.39	26.33	26.00	26.37	25.31	25.34	25.49	26.36	26.25	26.37
		1	50	24.35	24.16	24.15	24.38	24.24	24.65	23.23	23.14	23.40	24.34	24.06	24.25
		25	12	26.40	26.29	26.36	26.11	26.11	**26.46**	25.28	**25.59**	25.48	26.14	26.45	26.28
		50	0	26.19	26.47	26.22	25.56	25.57	25.75	25.42	25.29	25.32	25.78	25.90	25.64
	256QAM	1	0	24.11	24.28	24.14	24.18	24.04	24.14	23.12	23.06	23.22	24.02	24.11	24.00
		1	1	25.02	25.24	**25.42**	25.31	25.31	25.05	24.17	24.07	**24.52**	25.35	**25.35**	25.16
		1	49	25.22	25.20	25.30	25.31	24.77	25.12	24.19	24.22	24.30	25.12	25.16	25.35
		1	50	24.30	24.00	24.15	24.10	23.99	24.11	23.07	23.04	23.12	24.03	24.00	24.12
		25	12	25.28	25.14	25.15	25.04	24.90	**25.44**	24.22	24.38	24.33	24.98	25.32	25.07
		50	0	24.99	25.24	25.21	24.55	24.56	24.54	24.36	24.11	24.11	24.78	24.84	24.63

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				630834	633332	635832	630834	633332	635832	630834	633332	635832	630834	633332	635832
				3462.5	3500.0	3537.5	3462.5	3500.0	3537.5	3462.5	3500.0	3537.5	3462.5	3500.0	3537.5
25.0	BPSK	1	0	25.55	25.54	25.49	25.66	25.73	25.91	24.60	24.53	24.53	24.95	25.01	24.88
		1	1	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	28.70	**27.70**	**27.70**	**27.70**	28.67	**28.70**	28.58
		1	63	28.49	28.57	28.58	28.67	28.46	**28.70**	27.61	27.60	27.65	**28.70**	28.55	**28.70**
		1	64	25.35	25.36	25.46	25.69	25.64	25.82	24.45	24.44	24.63	25.01	24.90	24.98
		32	16	28.48	28.45	28.52	28.51	28.51	28.65	27.56	27.44	27.51	28.54	28.45	28.40
		64	0	28.44	28.40	28.53	28.13	28.04	28.19	27.40	27.42	27.46	27.90	27.98	27.91
	QPSK	1	0	25.54	25.53	25.48	25.65	25.71	25.90	24.58	24.51	24.52	24.93	25.00	24.86
		1	1	28.68	**28.69**	28.68	28.59	28.60	28.58	**27.69**	27.68	27.69	28.57	28.63	28.53
		1	63	28.48	28.55	28.57	28.58	28.36	**28.60**	27.59	27.58	27.64	28.63	28.50	**28.66**
		1	64	25.34	25.35	25.45	25.68	25.63	25.81	24.44	24.42	24.60	24.99	24.89	24.96
		32	16	28.47	28.44	28.50	28.42	28.42	28.56	27.54	27.43	27.50	28.47	28.40	28.38
		64	0	28.38	28.34	28.47	27.97	27.90	28.04	27.35	27.36	27.40	27.79	27.88	27.84
	16QAM	1	0	24.29	24.32	24.31	24.46	24.60	24.86	23.39	23.37	23.44	24.40	24.30	24.18
		1	1	27.53	27.45	**27.64**	27.35	**27.52**	27.47	26.52	**26.68**	26.66	27.57	**27.63**	27.43
		1	63	27.43	27.33	27.51	27.50	27.14	27.39	26.47	26.35	26.62	27.40	27.27	27.62
		1	64	24.11	24.32	24.39	24.65	24.63	24.61	23.20	23.28	23.56	24.26	24.13	24.40
		32	16	27.34	27.35	27.32	27.26	27.17	27.42	26.34	26.27	26.39	27.29	27.16	27.16
		64	0	27.24	27.15	27.47	26.90	26.82	26.85	26.20	26.24	26.36	26.54	26.64	26.82
	64QAM	1	0	24.15	24.25	24.29	24.42	24.46	24.81	23.34	23.35	23.40	24.32	24.34	24.22
		1	1	26.42	26.38	26.44	26.24	26.34	26.20	25.27	**25.55**	25.45	26.39	26.44	26.27
		1	63	26.40	26.13	**26.48**	26.26	26.13	**26.39**	25.35	25.32	25.35	26.30	26.23	**26.50**
		1	64	24.00	24.27	24.27	24.59	24.37	24.57	23.17	23.27	23.54	24.41	24.24	24.52
		32	16	26.30	26.24	26.27	26.13	25.93	26.19	25.24	25.20	25.31	26.10	26.11	25.97
		64	0	26.11	26.05	26.28	25.85	25.66	25.63	25.11	25.15	25.10	25.44	25.44	25.73
	256QAM	1	0	24.22	24.33	24.28	24.02	24.04	24.46	23.41	23.47	23.40	24.20	24.15	24.11
		1	1	25.24	25.20	25.30	25.07	25.19	25.00	24.27	**24.45**	24.39	25.16	25.17	25.27
		1	63	**25.35**	25.10	25.23	25.02	24.93	**25.26**	24.21	24.11	24.09	25.18	25.20	**25.44**
		1	64	23.84	24.42	24.21	24.13	24.20	24.05	23.32	23.32	23.48	24.18	24.16	24.34
		32	16	25.07	25.02	25.16	25.13	24.72	24.96	24.23	24.12	24.11	24.94	25.08	24.88
		64	0	24.84	24.82	25.10	24.68	24.48	24.63	23.92	24.08	24.05	24.24	24.22	24.53

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.51	26.75	25.58	25.63	25.74	25.91	24.54	24.62	24.52	24.86	25.02	25.02
		1	1	**28.70**	28.69	**28.70**	28.55	**28.70**	28.63	**27.70**	**27.70**	**27.70**	28.54	**28.70**	**28.70**
		1	76	28.47	**28.70**	28.52	**28.70**	28.46	**28.70**	27.46	27.57	27.51	**28.70**	28.57	28.69
		1	77	25.36	26.51	25.40	25.63	25.59	25.85	24.38	24.41	24.47	24.94	24.86	25.04
		36	18	28.47	28.45	28.50	28.54	28.52	28.51	27.53	27.45	27.50	28.48	28.52	28.55
		75	0	28.42	28.35	28.42	28.01	27.98	28.14	27.44	27.36	27.34	27.91	27.96	28.01
	QPSK	1	0	25.49	26.74	25.56	25.62	25.72	25.89	24.52	24.60	24.51	24.85	25.01	25.00
		1	1	**28.69**	28.66	28.68	28.46	28.61	28.54	27.69	27.69	**27.69**	28.46	28.63	28.65
		1	76	28.44	28.67	28.51	**28.61**	28.35	28.61	27.45	27.55	27.49	28.63	28.52	**28.67**
		1	77	25.34	26.50	25.39	25.62	25.57	25.84	24.36	24.40	24.44	24.92	24.85	25.03
		36	18	28.45	28.44	28.49	28.45	28.43	28.43	27.51	27.43	27.48	28.41	28.45	28.52
		75	0	28.37	28.30	28.37	27.87	27.83	28.00	27.39	27.30	27.29	27.81	27.85	27.94
	16QAM	1	0	24.42	25.51	24.51	24.52	24.58	24.62	23.36	23.60	23.44	24.51	24.79	24.74
		1	1	27.65	27.47	**27.68**	27.30	27.56	27.34	26.48	**26.62**	26.60	27.20	27.53	**27.59**
		1	76	27.32	27.66	27.39	**27.58**	27.29	27.48	26.22	26.51	26.35	27.36	27.42	27.47
		1	77	24.26	25.34	24.38	24.40	24.56	24.61	23.11	23.25	23.24	24.50	24.59	24.63
		36	18	27.34	27.34	27.43	27.38	27.25	27.41	26.26	26.37	26.46	27.31	27.27	27.27
		75	0	27.33	27.22	27.12	26.68	26.82	26.92	26.22	26.22	26.23	26.68	26.81	26.80
	64QAM	1	0	24.19	24.50	24.45	24.49	24.50	24.42	23.18	23.38	23.30	24.30	24.25	24.15
		1	1	26.40	26.27	**26.68**	26.03	26.37	26.08	25.36	25.38	**25.52**	25.93	26.27	**26.50**
		1	76	26.30	26.39	26.23	26.36	26.02	26.24	25.20	25.31	25.24	26.20	26.21	26.31
		1	77	24.30	24.25	24.19	24.22	24.29	24.57	23.05	22.98	23.14	24.50	24.33	24.30
		36	18	26.10	26.21	26.19	26.18	26.16	**26.39**	25.15	25.27	25.29	26.04	26.20	26.10
		75	0	26.26	25.96	25.96	25.68	25.62	25.73	25.01	25.21	24.99	25.53	25.69	25.56
	256QAM	1	0	24.20	24.33	24.27	23.77	22.81	23.77	23.20	23.31	23.38	24.09	24.59	24.42
		1	1	25.28	25.17	**25.45**	24.76	**25.35**	25.07	24.33	24.32	**24.37**	24.71	25.04	**25.31**
		1	76	25.13	25.31	25.15	25.26	24.99	25.19	24.10	24.17	24.18	25.16	24.96	25.27
		1	77	24.17	24.29	24.31	23.53	23.81	23.35	23.24	23.41	23.25	24.39	24.29	23.99
		36	18	25.10	25.02	25.11	25.00	25.11	25.33	23.95	24.11	24.10	24.79	24.30	24.12
		75	0	25.24	24.93	24.89	24.67	24.60	24.54	23.76	23.96	23.76	24.44	24.62	24.50

UL VERIFICATION SERVICES INC.
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OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.54	25.56	25.56	25.44	25.53	25.63	24.63	24.48	24.57	24.94	25.20	24.98
		1	1	**28.70**	**28.70**	**28.70**	28.67	**28.70**	**28.70**	**27.70**	**27.70**	**27.70**	28.51	**28.70**	**28.70**
		1	104	28.46	28.39	28.55	**28.70**	28.47	28.57	27.48	27.43	27.51	**28.70**	28.56	28.53
		1	105	25.38	25.22	25.35	25.46	25.42	25.56	24.34	24.23	24.52	24.87	24.88	24.88
		50	25	28.56	28.57	28.52	28.59	28.66	28.55	27.61	27.43	27.49	28.61	28.66	28.47
		100	0	28.51	28.46	28.63	28.17	28.15	28.11	27.55	27.50	27.51	28.11	28.18	28.06
	QPSK	1	0	25.52	25.54	25.54	25.42	25.52	25.61	24.61	24.46	24.55	24.92	25.17	24.95
		1	1	**28.69**	28.67	28.69	28.56	**28.61**	28.59	27.67	27.68	**27.69**	28.45	28.66	**28.67**
		1	104	28.45	28.37	28.54	28.61	28.36	28.47	27.46	27.41	27.50	28.64	28.53	28.52
		1	105	25.37	25.21	25.33	25.45	25.40	25.54	24.33	24.22	24.49	24.86	24.86	24.87
		50	25	28.55	28.55	28.51	28.51	28.58	28.47	27.60	27.41	27.47	28.56	28.62	28.45
		100	0	28.45	28.40	28.56	28.02	28.00	27.96	27.50	27.43	27.46	28.01	28.08	27.96
	16QAM	1	0	24.49	24.38	24.32	24.25	24.49	24.44	23.58	23.25	23.40	24.66	24.92	24.75
		1	1	**27.62**	27.61	27.59	27.45	27.37	**27.54**	26.55	**26.62**	26.43	27.24	27.39	**27.61**
		1	104	27.45	27.10	27.42	27.49	27.28	27.35	26.41	26.40	26.45	27.50	27.38	27.35
		1	105	24.23	24.12	24.21	24.30	24.25	24.48	23.21	23.00	23.22	24.62	24.60	24.65
		50	25	27.28	27.30	27.36	27.30	27.35	27.40	26.35	26.26	26.29	27.33	27.47	27.43
		100	0	27.36	27.34	27.55	27.01	27.00	26.95	26.34	26.29	26.35	26.85	26.89	26.93
	64QAM	1	0	24.27	24.37	24.30	24.18	24.40	24.31	23.37	23.09	23.22	24.07	24.41	24.20
		1	1	26.43	26.45	26.38	**26.45**	26.37	26.35	25.41	**25.59**	25.40	26.09	26.27	**26.55**
		1	104	26.40	25.99	26.38	26.27	26.15	26.26	25.31	25.33	25.32	26.26	26.19	26.35
		1	105	24.16	24.03	23.97	24.10	24.16	24.40	23.16	22.94	23.22	24.11	23.97	23.99
		50	25	26.09	26.07	26.17	26.07	26.10	26.31	25.14	25.20	25.08	26.26	26.27	26.32
		100	0	26.21	26.17	**26.51**	25.81	25.93	25.84	25.31	25.19	25.35	25.80	25.72	25.72
	256QAM	1	0	24.13	24.10	24.28	24.08	24.29	24.13	23.24	22.86	22.99	24.00	24.24	24.11
		1	1	25.28	25.20	25.18	**25.40**	25.30	25.32	**24.38**	24.32	24.17	24.87	25.25	**25.42**
		1	104	25.25	24.86	25.24	25.05	25.05	25.15	24.19	24.30	24.13	25.04	25.04	25.25
		1	105	24.03	23.96	23.77	24.11	24.06	24.22	23.15	23.00	23.09	24.12	24.30	24.12
		50	25	24.99	25.07	25.08	24.80	24.83	25.31	23.95	24.05	23.90	25.07	25.14	25.09
		100	0	25.05	25.17	**25.48**	24.61	24.87	24.59	24.19	24.15	24.15	24.59	24.51	24.63

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.43	25.65	25.51	25.45	25.89	25.95	24.58	24.42	24.61	24.91	24.97	24.94
		1	1	**28.70**	**28.70**	**28.70**	28.54	**28.70**	28.64	**27.70**	**27.70**	**27.70**	28.58	**28.70**	28.66
		1	131	28.29	28.53	28.50	28.60	28.47	28.56	27.59	27.44	27.55	28.61	28.50	**28.70**
		1	132	25.25	25.31	25.39	25.55	25.82	25.77	24.32	24.36	24.33	24.97	24.73	24.94
		64	32	28.46	28.56	28.56	**28.70**	28.67	**28.70**	27.66	27.50	27.66	**28.70**	28.63	28.63
		128	0	28.33	28.46	28.43	28.10	28.21	28.20	27.47	27.42	27.45	28.10	28.00	28.05
	QPSK	1	0	25.42	25.62	25.50	25.44	25.86	25.92	24.56	24.41	24.59	24.89	24.95	24.92
		1	1	28.68	28.69	**28.69**	28.44	**28.62**	28.56	**27.69**	27.68	27.69	28.50	28.62	28.61
		1	131	28.27	28.51	28.49	28.49	28.38	28.47	27.57	27.42	27.54	28.56	28.46	**28.66**
		1	132	25.22	25.30	25.38	25.54	25.81	25.76	24.31	24.32	24.32	24.95	24.71	24.92
		64	32	28.44	28.55	28.55	28.61	28.60	28.61	27.65	27.49	27.64	28.65	28.58	28.59
		128	0	28.27	28.41	28.38	27.97	28.08	28.06	27.41	27.36	27.40	28.00	27.90	27.96
	16QAM	1	0	24.28	24.35	24.27	24.36	24.61	24.71	23.56	23.39	23.51	24.62	24.88	24.86
		1	1	**27.59**	27.43	27.51	27.21	27.40	27.43	26.57	26.61	**26.67**	27.37	27.48	27.44
		1	131	27.16	27.35	27.34	27.40	27.13	27.41	26.47	26.15	26.54	27.31	27.36	**27.66**
		1	132	24.00	24.26	24.11	24.32	24.81	24.54	23.16	23.24	23.12	24.84	24.63	24.84
		64	32	27.26	27.29	27.47	27.56	**27.56**	27.51	26.53	26.35	26.40	27.40	27.34	27.48
		128	0	27.00	27.41	27.32	26.84	26.91	27.04	26.17	26.20	26.22	26.91	26.87	26.87
	64QAM	1	0	24.05	24.10	24.13	24.25	24.37	24.66	23.53	23.30	23.50	23.57	23.82	23.70
		1	1	**26.49**	26.41	26.24	26.13	26.34	26.18	25.37	**25.58**	25.40	26.35	26.27	26.19
		1	131	25.93	26.14	26.17	26.31	25.98	26.35	25.24	24.97	25.44	26.05	26.10	**26.53**
		1	132	24.30	24.18	24.02	24.15	24.74	24.41	23.15	23.02	23.08	23.78	23.60	23.80
		64	32	26.03	26.12	26.38	**26.55**	26.39	26.38	25.48	25.08	25.32	26.15	26.31	26.45
		128	0	25.80	26.29	26.19	25.83	25.80	26.04	25.15	25.17	25.05	25.70	25.82	25.61
	256QAM	1	0	24.31	24.38	24.53	24.17	24.35	24.46	23.51	23.20	23.45	24.01	24.07	24.03
		1	1	**25.46**	25.15	25.19	25.10	25.29	24.99	24.18	**24.56**	24.13	25.22	25.07	25.01
		1	131	24.83	25.10	24.97	25.09	24.81	25.12	23.98	23.73	24.18	24.98	24.97	25.35
		1	132	24.08	24.48	24.45	24.42	24.61	24.24	23.00	22.82	22.85	24.01	24.25	24.04
		64	32	24.81	25.02	25.37	**25.35**	25.17	25.22	24.40	23.92	24.32	24.94	25.04	**25.45**
		128	0	24.61	25.21	24.94	24.76	24.65	24.83	24.11	23.90	24.05	24.48	24.64	24.45

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)												
				ANT 9			ANT 8			ANT 4			ANT 7			
				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	25.58	25.74	25.72	25.63	25.57	25.50	24.54	24.56	24.59	25.01	25.08	25.07	
		1	1	**28.70**	**28.70**	**28.70**	28.51	**28.70**	**28.70**	**27.70**	**27.70**	27.63	28.63	28.64	**28.70**	
		1	160	28.46	28.57	28.54	28.64	28.36	28.38	27.31	27.27	**27.70**	**28.70**	28.51	28.64	
		1	161	25.29	25.45	25.37	25.60	25.40	25.45	24.16	24.08	24.42	24.99	24.91	25.03	
		81	40	28.40	28.58	28.51	**28.70**	28.65	28.35	27.48	27.29	27.38	28.64	**28.70**	28.50	
		162	0	28.43	28.62	28.47	28.26	28.13	28.06	27.35	27.34	27.49	28.10	28.08	28.08	
	QPSK	1	0	25.56	25.72	25.69	25.61	25.56	25.49	24.52	24.54	24.57	24.99	25.06	25.06	
		1	1	28.68	**28.69**	28.68	28.43	28.61	28.60	27.68	**27.69**	27.59	28.58	28.61	**28.67**	
		1	160	28.43	28.55	28.52	28.53	28.26	28.28	27.30	27.26	27.66	28.66	28.50	28.63	
		1	161	25.27	25.44	25.36	25.59	25.37	25.43	24.14	24.06	24.40	24.97	24.90	25.01	
		81	40	28.39	28.56	28.49	**28.62**	28.57	28.27	27.47	27.28	27.37	28.60	28.66	28.49	
		162	0	28.36	28.56	28.41	28.12	27.99	27.92	27.29	27.28	27.42	28.02	28.01	28.01	
	16QAM	1	0	24.50	24.51	24.46	24.58	24.38	24.30	23.33	23.52	23.48	24.43	24.44	24.29	
		1	1	27.47	27.43	**27.62**	27.43	**27.51**	27.41	26.53	26.52	26.56	27.35	27.51	**27.58**	
		1	160	27.36	27.29	27.29	27.30	27.15	27.12	26.25	26.19	**26.61**	27.53	27.45	27.48	
		1	161	24.14	24.18	24.12	24.58	24.20	24.22	22.87	22.98	23.21	24.29	24.35	24.29	
		81	40	27.20	27.54	27.47	27.44	27.38	27.01	26.36	26.04	26.20	27.53	27.57	27.42	
		162	0	27.20	27.46	27.37	26.98	26.73	26.69	26.29	26.27	26.19	26.96	26.82	26.75	
	64QAM	1	0	24.43	24.29	24.46	24.42	24.13	24.10	23.27	23.43	23.34	23.73	23.92	23.52	
		1	1	26.36	26.34	**26.49**	26.30	**26.45**	26.14	**25.51**	25.43	25.32	26.10	26.42	26.41	
		1	160	26.21	26.20	26.04	26.23	26.05	25.91	25.02	25.03	25.38	26.48	26.38	26.44	
		1	161	24.39	24.53	24.42	24.37	23.95	24.02	22.76	22.96	23.08	23.71	23.84	23.76	
		81	40	26.07	26.42	26.38	26.22	26.12	25.84	25.28	24.93	25.20	**26.50**	26.45	26.42	
		162	0	26.02	26.22	26.17	25.97	25.66	25.55	25.03	25.23	25.18	25.73	25.67	25.70	
	256QAM	1	0	24.22	24.16	24.24	24.30	24.08	24.00	23.10	23.26	23.21	24.00	24.30	23.95	
		1	1	25.20	25.26	25.31	**25.24**	25.20	24.90	**24.49**	24.19	24.06	25.07	25.32	25.37	
		1	160	25.09	24.94	24.88	25.06	24.91	24.67	23.90	24.00	24.35	25.27	25.12	25.29	
		1	161	24.10	24.33	24.12	24.28	23.71	24.02	22.73	22.94	23.05	24.12	24.25	24.13	
		81	40	25.05	**25.42**	25.31	25.20	24.90	24.57	24.08	23.78	23.97	25.26	**25.39**	25.35	
		162	0	24.91	24.95	24.92	24.81	24.58	24.39	23.83	24.09	23.91	24.73	24.62	24.67	

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.66	25.77	25.59	25.96	25.58	26.96	24.83	24.64	24.66	25.33	25.31	25.32
		1	1	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	27.58	**27.70**	**27.70**	28.65	28.66	**28.70**
		1	187	28.23	28.46	28.39	28.52	28.15	28.27	**27.70**	27.36	27.36	**28.70**	**28.70**	28.61
		1	188	25.19	25.41	25.21	25.82	25.29	25.30	24.44	24.20	24.43	25.28	25.31	25.41
		90	45	28.50	28.56	28.46	28.48	28.49	28.32	27.67	27.48	27.49	28.43	28.51	28.23
		180	0	28.38	28.41	28.38	28.33	27.67	27.72	27.61	27.35	27.42	27.97	27.79	28.02
	QPSK	1	0	25.64	25.74	25.57	25.94	25.56	26.80	24.82	24.62	24.64	25.31	25.30	25.31
		1	1	**28.68**	28.68	28.67	**28.63**	28.58	28.53	27.56	**27.68**	27.68	28.54	28.57	28.59
		1	187	28.22	28.44	28.37	28.44	28.04	28.15	27.68	27.34	27.35	**28.60**	28.60	28.51
		1	188	25.18	25.40	25.20	25.80	25.28	25.29	24.43	24.17	24.41	25.27	25.29	25.38
		90	45	28.48	28.54	28.45	28.41	28.38	28.24	27.66	27.46	27.47	28.35	28.41	28.18
		180	0	28.32	28.35	28.32	28.20	27.59	27.62	27.54	27.29	27.37	27.84	27.68	27.88
	16QAM	1	0	24.62	24.47	24.53	24.74	24.43	25.73	23.66	23.50	23.58	24.20	24.15	24.21
		1	1	**27.50**	27.49	27.42	27.53	**27.55**	27.53	26.31	26.63	26.45	27.48	27.40	**27.55**
		1	187	27.22	27.32	27.33	27.34	26.83	27.02	26.53	26.16	26.14	27.46	27.42	27.51
		1	188	24.17	24.39	24.06	24.65	24.01	24.25	23.35	22.90	23.36	24.19	24.21	24.15
		90	45	27.30	27.36	27.26	27.37	27.30	27.22	**26.66**	26.40	26.20	27.22	27.17	27.10
		180	0	27.25	27.24	27.21	27.02	26.39	26.51	26.51	26.06	26.27	26.69	26.61	26.70
	64QAM	1	0	23.60	23.39	23.35	23.61	23.26	24.55	22.46	22.35	22.53	23.06	22.89	23.06
		1	1	26.28	**26.40**	26.20	26.38	**26.50**	26.31	25.26	25.45	25.43	**26.42**	26.38	26.28
		1	187	26.13	26.25	26.18	26.24	25.66	26.01	25.53	25.13	25.14	26.41	26.15	26.39
		1	188	23.11	23.39	23.06	23.53	22.74	23.01	22.33	21.89	22.12	22.94	23.19	23.15
		90	45	26.10	26.17	26.14	26.19	26.12	26.22	**25.54**	25.16	25.19	26.03	26.01	25.85
		180	0	26.13	26.16	26.09	25.83	25.28	25.25	25.43	24.93	25.11	25.63	25.49	25.54
	256QAM	1	0	22.55	22.38	22.30	22.41	22.23	23.52	21.36	21.13	21.46	21.97	21.83	21.80
		1	1	25.09	**25.36**	24.94	25.22	**25.45**	25.22	24.07	24.38	24.16	25.23	25.25	25.26
		1	187	25.12	25.16	25.03	25.21	24.62	24.92	24.40	24.09	23.89	**25.33**	25.04	25.14
		1	188	21.86	22.27	21.83	22.43	21.65	21.74	21.20	20.68	20.97	21.80	21.97	21.96
		90	45	24.99	25.17	24.90	25.07	24.97	25.18	**24.49**	24.14	24.06	24.99	24.89	24.71
		180	0	24.97	25.02	24.82	24.76	24.17	24.09	24.21	23.81	23.95	24.48	24.36	24.41

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.62	25.68	25.49	26.02	25.94	25.62	24.66	24.69	24.48	25.83	25.35	25.35
		1	1	28.67	**28.70**	28.62	28.67	**28.70**	**28.70**	**27.70**	27.69	**27.70**	28.64	**28.70**	**28.70**
		1	215	**28.70**	28.39	28.46	28.36	28.27	28.03	27.39	**27.70**	27.14	**28.70**	28.64	28.42
		1	216	24.99	25.35	25.16	25.72	25.59	25.31	24.14	24.26	24.15	25.77	25.07	25.31
		108	54	28.30	28.42	**28.70**	28.68	28.64	28.21	27.35	27.46	27.28	28.58	27.99	27.95
		216	0	28.27	28.52	28.31	**28.70**	28.58	28.56	27.34	27.37	27.28	28.19	28.09	28.00
	QPSK	1	0	25.58	25.67	25.48	26.00	25.91	25.60	24.64	24.67	24.46	25.81	25.31	25.33
		1	1	28.61	**28.69**	28.59	28.58	28.59	28.60	**27.69**	27.65	27.68	28.55	28.59	28.57
		1	215	28.64	28.37	28.42	28.25	28.16	27.93	27.37	27.66	27.13	**28.59**	28.52	28.33
		1	216	24.97	25.32	25.15	25.70	25.58	25.29	24.12	24.23	24.14	25.74	25.03	25.28
		108	54	28.28	28.40	28.65	**28.62**	28.57	28.15	27.34	27.43	27.26	28.50	27.94	27.93
		216	0	28.20	28.46	28.25	28.52	28.40	28.36	27.29	27.32	27.23	28.04	27.92	27.83
	16QAM	1	0	24.45	24.59	24.27	24.80	24.71	24.33	23.47	23.57	23.45	24.76	24.16	24.22
		1	1	27.50	27.53	27.55	27.56	**27.59**	27.56	**26.68**	26.63	26.45	27.48	27.37	**27.52**
		1	215	27.64	27.19	27.16	27.06	26.93	26.92	26.27	26.41	25.90	27.51	27.28	27.15
		1	216	24.20	24.05	24.30	24.68	24.49	24.26	22.86	23.04	23.09	24.68	23.96	24.19
		108	54	27.08	27.38	**27.64**	27.38	27.48	26.99	26.13	26.33	26.18	27.32	26.84	26.71
		216	0	27.19	27.31	27.17	27.46	27.17	27.19	26.26	26.23	26.23	27.03	26.87	26.79
	64QAM	1	0	24.30	24.03	24.41	24.28	24.14	23.80	23.61	23.15	23.55	24.41	24.28	24.36
		1	1	26.50	26.31	26.28	**26.47**	26.47	26.42	25.41	25.36	**25.41**	26.35	26.34	**26.44**
		1	215	26.37	26.07	26.00	25.97	25.76	25.65	25.04	25.24	24.64	26.40	26.22	25.97
		1	216	24.29	24.30	24.09	24.50	24.15	24.30	23.21	23.14	23.34	24.33	24.15	24.12
		108	54	25.87	26.32	**26.59**	26.21	26.45	25.95	24.86	25.18	25.00	26.28	25.83	25.44
		216	0	26.04	26.23	26.14	26.36	25.98	25.98	25.07	25.02	25.03	25.97	25.77	25.74
	256QAM	1	0	24.20	24.20	23.89	24.38	24.13	23.75	23.11	23.24	22.79	24.12	24.25	24.15
		1	1	25.25	25.27	25.24	25.29	25.25	25.27	24.28	**24.29**	24.22	25.19	25.34	**25.34**
		1	215	25.23	25.00	24.73	24.73	24.63	24.54	24.03	24.17	23.46	25.18	25.03	24.70
		1	216	24.03	24.27	24.00	24.33	24.05	24.30	22.99	23.06	23.29	24.41	24.12	24.24
		108	54	24.68	25.30	**25.42**	25.02	25.26	24.78	23.84	24.00	23.90	25.24	24.69	24.35
		216	0	24.82	25.17	24.88	**25.35**	24.90	24.93	23.98	23.94	23.84	24.85	24.71	24.70

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.52	25.68	25.70	26.04	25.98	25.95	24.60	24.63	24.62	25.20	25.37	25.92
		1	1	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**27.70**	**27.70**	**27.70**	28.65	**28.70**	28.68
		1	243	28.17	28.17	28.41	28.34	28.37	28.41	27.19	27.19	27.14	**28.70**	28.69	**28.70**
		1	244	25.12	24.99	25.23	25.66	25.51	25.68	24.21	24.21	24.16	25.12	25.17	25.87
		120	60	28.26	28.19	28.27	28.49	28.64	28.31	27.34	27.22	27.17	28.18	28.04	28.70
		243	0	28.29	28.23	28.34	27.82	27.58	27.73	27.29	27.23	27.25	27.12	27.51	27.98
	QPSK	1	0	25.50	25.65	25.68	26.02	25.96	25.94	24.59	24.60	24.58	25.18	25.35	25.81
		1	1	28.68	28.68	**28.68**	**28.61**	28.59	28.60	27.68	**27.69**	27.66	28.53	28.55	28.60
		1	243	28.15	28.16	28.37	28.23	28.23	28.30	27.18	27.17	27.12	28.57	28.56	28.62
		1	244	25.09	24.97	25.21	25.64	25.49	25.67	24.19	24.20	24.14	25.10	25.15	25.86
		120	60	28.24	28.18	28.26	28.45	28.54	28.27	27.33	27.20	27.16	28.16	27.98	**28.65**
		243	0	28.23	28.18	28.28	27.75	27.51	27.66	27.23	27.18	27.18	27.07	27.36	27.86
	16QAM	1	0	24.46	24.65	24.53	24.94	24.71	24.68	23.42	23.51	23.33	25.09	25.17	25.62
		1	1	27.58	27.55	**27.64**	27.37	27.36	27.38	26.52	26.46	**26.66**	27.45	27.43	27.43
		1	243	27.12	27.12	27.21	27.10	26.98	27.29	25.94	26.02	25.97	27.34	27.42	27.45
		1	244	25.26	25.08	25.37	24.51	24.23	24.47	22.99	22.94	23.14	24.83	25.09	25.62
		120	60	27.15	26.97	27.04	27.31	**27.40**	27.18	26.11	25.98	26.14	27.16	26.89	**27.61**
		243	0	27.15	27.05	27.20	26.54	26.42	26.54	26.05	26.09	25.93	26.00	26.34	26.77
	64QAM	1	0	24.61	24.77	24.75	24.36	24.81	24.96	24.30	24.21	24.03	24.15	24.43	24.67
		1	1	**26.53**	26.49	26.43	26.15	**26.35**	26.14	25.25	25.33	**25.46**	26.44	26.22	26.19
		1	243	25.97	26.05	26.17	25.99	25.98	26.05	24.86	24.89	24.75	26.21	26.42	26.38
		1	244	24.11	24.08	24.21	24.80	24.39	24.74	24.25	24.12	24.07	24.00	24.20	24.92
		120	60	25.90	25.80	25.87	26.22	26.27	25.93	25.00	24.72	25.10	26.01	25.79	**26.53**
		243	0	26.03	25.99	26.03	25.39	25.17	25.54	24.79	24.83	24.67	24.83	25.30	25.55
	256QAM	1	0	24.14	24.27	24.29	24.06	24.12	24.12	23.23	23.02	22.83	24.18	24.23	24.18
		1	1	25.31	**25.37**	25.16	25.10	**25.25**	25.13	24.09	24.08	**24.19**	25.24	25.00	25.05
		1	243	24.86	25.04	25.00	24.86	24.82	24.92	23.75	23.65	23.51	25.21	25.32	**25.36**
		1	244	24.07	24.22	24.39	24.18	24.00	24.38	23.41	23.19	23.45	24.06	24.31	24.22
		120	60	24.88	24.68	24.66	24.96	25.09	24.74	23.82	23.50	24.02	24.93	24.71	25.31
		243	0	24.85	24.98	24.80	24.36	24.15	24.28	23.63	23.68	23.45	23.61	24.13	24.35

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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		25.65			25.55			24.66			25.22	
		1	1		**28.70**			28.09			**27.70**			28.29	
		1	271		28.24			27.72			27.19			28.39	
		1	272		25.19			25.26			24.18			25.41	
		135	67		28.31			**28.70**			27.27			**28.70**	
		270	0		28.34			27.01			27.28			27.29	
	QPSK	1	0		25.64			25.54			24.65			25.19	
		1	1		**28.69**			27.98			**27.68**			28.18	
		1	271		28.22			27.64			27.17			28.29	
		1	272		25.18			25.23			24.17			25.40	
		135	67		28.30			**28.62**			27.25			**28.59**	
		270	0		28.28			26.96			27.23			27.20	
	16QAM	1	0		24.64			24.51			23.60			24.55	
		1	1		**27.63**			26.95			**26.65**			27.01	
		1	271		26.97			26.53			26.01			27.13	
		1	272		24.15			24.05			23.10			24.65	
		135	67		27.03			**27.61**			26.12			**27.39**	
		270	0		27.02			25.77			26.13			26.08	
	64QAM	1	0		24.12			24.36			23.12			24.36	
		1	1		**26.45**			25.85			**25.47**			25.80	
		1	271		25.87			25.47			24.95			25.99	
		1	272		24.01			24.20			23.33			24.25	
		135	67		25.85			**26.60**			25.03			**26.28**	
		270	0		25.97			24.74			25.06			25.02	
	256QAM	1	0		24.00			24.12			23.00			24.15	
		1	1		**25.41**			24.64			**24.27**			24.76	
		1	271		24.71			24.47			23.80			24.72	
		1	272		24.11			24.00			23.05			24.12	
		135	67		24.73			**25.39**			23.82			**25.09**	
		270	0		24.73			23.48			23.86			23.86	

8.2. 5G NR n77 (FCC Part 27 3450-3550MHz, MIMO)

Test Engineer ID:	28567	Test Date:	2024-01-23

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
10.0	BPSK	1	0	25.20	25.44	25.30	25.64	25.72	25.73	28.44	28.59	28.53
		1	1	28.61	28.66	28.60	28.61	**28.70**	**28.70**	31.62	31.69	31.66
		1	22	**28.70**	**28.70**	**28.70**	**28.70**	28.55	28.63	**31.71**	31.63	31.68
		1	23	25.38	25.60	25.45	25.65	25.72	25.80	28.53	28.67	28.64
		12	6	28.62	28.45	28.37	28.23	28.08	28.40	31.44	31.28	31.40
		24	0	28.60	28.42	28.35	28.21	28.05	28.38	31.42	31.25	31.38
	QPSK	1	0	25.47	25.51	25.41	25.82	25.83	25.78	28.66	28.68	28.61
		1	1	28.68	**28.69**	28.51	27.74	27.79	27.76	31.24	**31.27**	31.16
		1	22	28.63	28.58	28.65	27.72	27.68	**27.79**	31.21	31.17	31.25
		1	23	25.38	25.53	25.53	25.82	25.72	25.82	28.62	28.64	28.69
		12	6	28.20	28.20	28.10	26.83	26.73	26.94	30.58	30.54	30.57
		24	0	28.18	28.17	28.08	26.81	26.70	26.92	30.56	30.51	30.55
	16QAM	1	0	25.38	25.38	25.29	25.79	25.66	25.69	28.60	28.53	28.50
		1	1	27.85	**28.06**	27.98	26.84	26.85	26.88	30.39	30.51	30.47
		1	22	27.92	27.91	28.03	26.79	26.76	**26.97**	30.40	30.38	**30.54**
		1	23	25.37	25.33	25.31	25.63	25.63	25.65	28.51	28.49	28.50
		12	6	26.91	26.97	26.91	26.06	25.85	26.14	29.52	29.46	29.55
		24	0	26.89	26.94	26.89	26.04	25.82	26.12	29.50	29.43	29.53
	64QAM	1	0	25.37	25.34	25.19	25.38	25.46	25.34	28.39	28.41	28.28
		1	1	26.41	26.47	**26.51**	25.57	25.54	25.35	29.02	29.04	28.98
		1	22	26.40	26.48	26.33	25.55	25.43	25.53	29.01	29.00	28.96
		1	23	25.29	25.50	25.31	25.42	25.36	25.34	28.37	28.44	28.33
		12	6	26.39	26.39	26.28	**25.72**	25.45	25.66	**29.08**	28.96	28.99
		24	0	26.37	26.36	26.26	25.70	25.42	25.64	29.06	28.93	28.97
	256QAM	1	0	24.45	24.28	24.27	24.05	24.13	23.94	27.26	27.22	27.12
		1	1	24.23	24.19	24.39	24.17	24.11	24.08	27.21	27.16	27.25
		1	22	24.23	24.27	24.43	24.15	24.01	24.15	27.20	27.15	**27.31**
		1	23	24.11	24.24	24.42	24.07	24.22	24.12	27.10	27.24	27.28
		12	6	24.25	**24.46**	24.35	**24.29**	24.03	24.22	27.28	27.26	27.30
		24	0	24.23	24.43	24.33	24.27	24.00	24.20	27.26	27.23	27.28

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
15.0	BPSK	1	0	25.37	25.38	25.51	25.71	25.59	25.27	28.56	28.49	28.40
		1	1	28.49	**28.70**	28.61	28.58	**28.70**	28.64	31.55	**31.71**	31.63
		1	36	**28.70**	28.43	**28.70**	**28.70**	28.51	**28.70**	**31.71**	31.48	**31.71**
		1	37	25.42	25.18	25.47	25.77	25.43	25.40	28.61	28.32	28.45
		18	9	28.38	28.39	28.40	28.18	27.98	28.02	31.29	31.20	31.22
		36	0	28.36	28.36	28.38	28.16	27.95	28.00	31.27	31.17	31.20
	QPSK	1	0	25.17	25.28	25.37	25.75	25.53	25.32	28.48	28.42	28.36
		1	1	28.53	28.59	28.59	28.02	27.98	27.75	31.29	31.31	31.20
		1	36	**28.62**	28.60	28.59	**28.14**	27.75	27.86	**31.40**	31.20	31.25
		1	37	25.20	25.44	25.65	25.79	25.48	25.41	28.52	28.47	28.54
		18	9	27.95	28.19	27.97	27.15	26.84	26.89	30.58	30.58	30.48
		36	0	27.93	28.16	27.95	27.13	26.81	26.87	30.56	30.55	30.46
	16QAM	1	0	25.33	25.28	25.32	25.61	25.37	25.24	28.48	28.34	28.29
		1	1	27.68	27.77	27.79	**27.27**	27.16	27.09	30.49	30.49	30.47
		1	36	27.74	27.78	**27.82**	27.18	27.01	27.24	30.48	30.42	**30.55**
		1	37	25.24	25.14	25.40	25.47	25.41	25.38	28.37	28.29	28.40
		18	9	26.61	26.99	27.09	26.14	25.91	25.92	29.39	29.49	29.55
		36	0	26.59	26.96	27.07	26.12	25.88	25.90	29.37	29.46	29.53
	64QAM	1	0	25.10	25.36	25.41	25.44	25.33	25.25	28.28	28.36	28.34
		1	1	26.35	26.27	26.19	26.21	25.81	25.51	29.29	29.05	28.88
		1	36	26.39	26.22	26.44	**26.23**	25.54	25.54	**29.32**	28.90	29.02
		1	37	25.37	25.33	25.24	25.95	25.31	25.30	28.68	28.33	28.28
		18	9	26.34	26.51	**26.60**	26.01	25.45	25.51	29.19	29.02	29.10
		36	0	26.32	26.48	26.58	25.99	25.42	25.49	29.17	28.99	29.08
	256QAM	1	0	24.33	24.32	24.31	24.68	24.17	24.07	27.52	27.25	27.20
		1	1	24.32	24.15	24.36	24.74	24.32	24.07	27.55	27.24	27.23
		1	36	24.27	24.02	24.26	**24.80**	24.15	24.19	27.56	27.10	27.23
		1	37	24.22	24.09	24.39	24.77	24.18	24.26	27.51	27.15	27.34
		18	9	**24.47**	23.94	24.39	24.67	23.68	24.16	**27.58**	26.82	27.29
		36	0	24.45	23.91	24.37	24.65	23.65	24.14	27.56	26.79	27.27

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
20.0	BPSK	1	0	25.40	25.16	25.09	25.39	25.57	25.35	28.40	28.38	28.23
		1	1	28.51	**28.70**	**28.70**	28.65	**28.70**	28.59	31.59	**31.71**	31.65
		1	49	**28.70**	28.41	28.44	**28.70**	28.59	**28.70**	**31.71**	31.51	31.58
		1	50	25.67	25.10	25.43	25.36	25.61	25.49	28.53	28.37	28.47
		25	12	28.57	28.56	28.47	28.03	28.23	28.11	31.32	31.41	31.30
		50	0	28.55	28.53	28.45	28.01	28.20	28.09	31.30	31.38	31.28
	QPSK	1	0	25.60	25.50	25.24	25.36	25.83	25.46	28.49	28.68	28.36
		1	1	**28.63**	28.35	28.61	27.66	**28.19**	27.62	31.18	**31.28**	31.15
		1	49	28.48	28.58	28.56	27.58	27.72	27.76	31.07	31.18	31.19
		1	50	25.40	25.31	25.32	25.26	25.44	25.51	28.34	28.39	28.43
		25	12	27.88	27.99	27.93	26.49	26.72	26.60	30.25	30.41	30.32
		50	0	27.86	27.96	27.91	26.47	26.69	26.58	30.23	30.38	30.30
	16QAM	1	0	25.23	25.35	25.29	25.12	25.68	25.26	28.19	28.53	28.28
		1	1	27.78	27.79	27.76	26.59	**26.93**	26.87	30.23	30.39	30.35
		1	49	**27.97**	27.55	27.94	26.75	26.83	26.91	30.41	30.21	**30.46**
		1	50	25.37	24.84	25.19	25.10	25.36	25.35	28.24	28.11	28.28
		25	12	26.93	26.71	26.82	25.75	25.93	25.87	29.39	29.34	29.38
		50	0	26.91	26.68	26.80	25.73	25.90	25.85	29.37	29.31	29.36
	64QAM	1	0	25.48	25.22	25.17	25.31	25.63	25.28	28.41	28.44	28.24
		1	1	26.31	26.13	26.32	25.38	**26.00**	25.39	28.88	**29.07**	28.89
		1	49	26.31	26.06	26.39	25.44	25.62	25.54	28.91	28.86	29.00
		1	50	25.34	25.18	25.33	25.16	25.28	25.26	28.26	28.24	28.30
		25	12	**26.49**	26.15	26.26	25.23	25.44	25.47	28.92	28.82	28.89
		50	0	26.47	26.12	26.24	25.21	25.41	25.45	28.90	28.79	28.87
	256QAM	1	0	24.31	24.10	24.30	23.98	**24.30**	24.01	27.16	**27.21**	27.17
		1	1	24.27	24.06	**24.34**	23.73	24.25	23.99	27.02	27.17	27.18
		1	49	24.29	23.90	23.97	23.90	24.13	24.10	27.11	27.03	27.05
		1	50	24.27	23.99	24.15	24.03	24.07	24.08	27.16	27.04	27.13
		25	12	24.28	24.06	24.11	23.99	24.12	24.01	27.15	27.10	27.07
		50	0	24.26	24.03	24.09	23.97	24.09	23.99	27.13	27.07	27.05

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				630834	633332	635832	630834	633332	635832	630834	633332	635832
				3462.5	3500.0	3537.5	3462.5	3500.0	3537.5	3462.5	3500.0	3537.5
25.0	BPSK	1	0	25.46	25.22	25.66	25.63	25.55	25.58	28.56	28.40	28.63
		1	1	**28.70**	**28.70**	28.67	**28.70**	**28.70**	28.56	**31.71**	**31.71**	31.63
		1	63	28.40	28.70	**28.70**	28.50	28.37	**28.70**	31.46	31.55	**31.71**
		1	64	25.12	25.42	25.74	25.59	25.39	25.68	28.37	28.42	28.72
		32	16	28.55	28.51	28.49	28.21	27.98	28.22	31.40	31.27	31.37
		64	0	28.53	28.48	28.47	28.19	27.95	28.20	31.38	31.24	31.35
	QPSK	1	0	25.54	25.45	25.66	25.57	25.53	25.52	28.57	28.50	28.60
		1	1	**28.70**	28.64	28.63	27.91	27.82	27.57	**31.33**	31.26	31.14
		1	63	28.62	28.41	28.66	**27.96**	27.53	27.76	31.31	31.00	31.24
		1	64	25.25	25.10	25.72	25.63	25.38	25.72	28.45	28.25	28.73
		32	16	27.65	27.89	28.16	27.02	26.71	26.85	30.35	30.35	30.56
		64	0	27.63	27.86	28.14	27.00	26.68	26.83	30.33	30.32	30.54
	16QAM	1	0	25.36	25.08	25.43	25.32	25.56	25.47	28.35	28.34	28.46
		1	1	27.79	27.80	27.79	26.99	27.05	26.72	30.42	30.45	30.30
		1	63	27.84	27.54	**28.11**	**27.08**	26.72	26.99	30.49	30.16	**30.60**
		1	64	25.31	24.90	25.48	25.59	25.34	25.77	28.46	28.14	28.64
		32	16	26.85	26.79	27.22	26.06	25.78	26.09	29.48	29.32	29.70
		64	0	26.83	26.76	27.20	26.04	25.75	26.07	29.46	29.29	29.68
	64QAM	1	0	25.46	25.24	25.57	25.72	25.41	25.48	28.61	28.33	28.54
		1	1	26.07	26.11	26.60	**25.85**	25.73	25.38	28.98	28.93	29.04
		1	63	26.45	26.26	26.46	25.72	25.44	25.72	29.11	28.88	29.12
		1	64	25.21	25.16	25.56	25.52	25.42	25.58	28.38	28.30	28.58
		32	16	26.32	26.34	**26.81**	25.69	25.68	25.70	29.02	29.03	**29.30**
		64	0	26.30	26.31	26.79	25.67	25.65	25.68	29.00	29.00	29.28
	256QAM	1	0	24.35	24.53	**24.75**	24.22	24.50	24.01	27.30	**27.52**	27.41
		1	1	24.52	24.33	24.66	24.37	**24.60**	24.00	27.45	27.47	27.35
		1	63	24.38	24.29	24.48	24.24	24.24	24.34	27.32	27.27	27.42
		1	64	24.30	24.31	24.49	24.30	24.20	24.32	27.31	27.27	27.42
		32	16	24.14	24.32	24.50	24.33	24.09	24.24	27.25	27.22	27.39
		64	0	24.12	24.29	24.48	24.31	24.06	24.22	27.23	27.19	27.37

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
30.0	BPSK	1	0	25.30	25.34	25.37	25.71	25.65	25.67	28.52	28.51	28.53
		1	1	**28.70**	28.51	**28.70**	28.51	**28.70**	28.58	31.62	31.61	**31.65**
		1	76	28.43	**28.70**	28.54	**28.70**	28.41	**28.70**	31.58	31.57	31.63
		1	77	25.26	25.27	25.31	25.67	25.51	25.67	28.48	28.40	28.50
		36	18	28.38	28.49	28.36	27.93	28.02	28.11	31.17	31.27	31.25
		75	0	28.36	28.46	28.34	27.91	27.99	28.09	31.15	31.24	31.23
	QPSK	1	0	25.37	25.40	25.36	25.58	25.73	25.58	28.49	28.58	28.48
		1	1	28.47	**28.68**	28.64	27.58	**27.84**	27.61	31.06	**31.29**	31.17
		1	76	28.33	28.67	28.57	27.65	27.47	27.83	31.01	31.12	31.22
		1	77	25.16	25.35	25.21	25.42	25.51	25.68	28.30	28.44	28.46
		36	18	27.64	27.92	27.95	26.71	26.61	26.73	30.21	30.32	30.39
		75	0	27.62	27.89	27.93	26.69	26.58	26.71	30.19	30.29	30.37
	16QAM	1	0	25.49	25.16	25.29	25.45	25.33	25.48	28.48	28.25	28.40
		1	1	27.66	27.73	27.71	26.91	**27.14**	26.62	30.31	**30.46**	30.21
		1	76	27.65	**27.80**	27.78	27.08	26.79	27.01	30.38	30.33	30.42
		1	77	25.09	25.08	25.16	25.42	25.44	25.70	28.27	28.27	28.45
		36	18	26.75	26.99	27.02	26.01	25.86	25.92	29.41	29.47	29.52
		75	0	26.73	26.96	27.00	25.99	25.83	25.90	29.39	29.44	29.50
	64QAM	1	0	25.34	25.39	25.56	25.66	25.64	25.27	28.51	28.53	28.43
		1	1	26.06	26.25	26.14	25.51	**25.76**	25.43	28.81	29.02	28.81
		1	76	26.32	26.12	26.29	25.69	25.26	25.70	**29.03**	28.72	29.01
		1	77	25.03	24.99	25.22	25.26	25.47	25.38	28.16	28.24	28.31
		36	18	26.12	26.31	**26.50**	25.38	25.35	25.46	28.78	28.87	29.02
		75	0	26.10	26.28	26.48	25.36	25.32	25.44	28.76	28.84	29.00
	256QAM	1	0	24.03	**24.48**	24.25	23.70	24.20	23.97	26.88	**27.35**	27.12
		1	1	24.13	24.16	24.24	23.94	**24.33**	24.07	27.05	27.26	27.17
		1	76	23.91	24.04	24.10	24.20	23.86	24.11	27.07	26.96	27.11
		1	77	23.89	24.03	24.09	24.20	23.96	24.06	27.06	27.00	27.09
		36	18	23.93	24.31	24.34	24.09	24.01	24.08	27.02	27.17	27.22
		75	0	23.91	24.28	24.32	24.07	23.98	24.06	27.00	27.14	27.20

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
40.0	BPSK	1	0	25.29	25.36	25.40	25.53	25.57	25.43	28.42	28.48	28.43
		1	1	**28.70**	28.27	28.58	**28.70**	**28.70**	28.63	**31.71**	31.50	31.62
		1	104	28.26	**28.70**	**28.70**	28.40	28.50	**28.70**	31.34	31.61	**31.71**
		1	105	25.16	25.44	25.40	25.54	25.36	25.40	28.36	28.41	28.41
		50	25	28.50	28.62	28.39	28.22	28.57	28.60	31.37	31.61	31.51
		100	0	28.48	28.59	28.37	28.20	28.54	28.58	31.35	31.58	31.49
	QPSK	1	0	25.48	25.65	25.42	25.65	25.56	25.64	28.58	28.62	28.54
		1	1	**28.60**	28.46	28.46	27.83	28.46	28.34	31.24	31.47	31.41
		1	104	28.55	28.56	28.52	27.69	28.00	**28.56**	31.15	31.30	**31.55**
		1	105	25.15	25.55	25.41	25.42	25.36	25.54	28.30	28.47	28.48
		50	25	27.70	28.26	28.04	26.90	27.35	27.44	30.33	30.84	30.76
		100	0	27.68	28.23	28.02	26.88	27.32	27.42	30.31	30.81	30.74
	16QAM	1	0	25.25	25.48	25.46	25.39	25.42	25.27	28.33	28.46	28.37
		1	1	27.74	27.91	27.90	27.18	**27.77**	27.48	30.48	**30.85**	30.70
		1	104	27.75	27.96	**27.96**	26.99	27.06	27.44	30.40	30.54	30.72
		1	105	25.08	25.32	25.13	24.98	25.25	25.44	28.04	28.29	28.30
		50	25	26.72	27.00	26.71	26.20	26.61	26.66	29.48	29.82	29.69
		100	0	26.70	26.97	26.69	26.18	26.58	26.64	29.46	29.79	29.67
	64QAM	1	0	25.25	25.57	25.22	25.54	25.35	25.27	28.41	28.47	28.26
		1	1	26.34	26.52	26.24	25.75	26.21	26.05	29.07	**29.38**	29.16
		1	104	26.00	**26.53**	26.15	25.51	26.00	26.06	28.77	29.29	29.12
		1	105	25.01	25.17	25.25	25.28	25.18	25.38	28.16	28.18	28.32
		50	25	26.26	26.29	26.40	25.73	26.13	**26.25**	29.02	29.22	29.34
		100	0	26.24	26.26	26.38	25.71	26.10	26.23	29.00	29.19	29.32
	256QAM	1	0	23.95	24.28	24.36	24.14	24.29	24.41	27.06	27.30	27.40
		1	1	24.17	24.39	24.43	24.05	24.42	**24.51**	27.12	27.41	**27.48**
		1	104	23.99	**24.58**	24.35	23.89	24.04	24.38	26.95	27.33	27.37
		1	105	24.12	24.21	24.29	24.01	24.04	24.26	27.08	27.14	27.28
		50	25	24.04	24.48	24.21	24.20	24.22	24.37	27.13	27.36	27.30
		100	0	24.02	24.45	24.19	24.18	24.19	24.35	27.11	27.33	27.28

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
50.0	BPSK	1	0	25.34	25.58	25.56	25.48	25.52	25.48	28.42	28.56	28.53
		1	1	**28.70**	**28.70**	28.69	**28.70**	**28.70**	28.64	**31.71**	**31.71**	31.67
		1	131	28.37	28.61	28.62	28.70	28.60	**28.70**	31.55	31.61	31.67
		1	132	25.37	25.24	25.59	25.33	25.42	25.46	28.36	28.34	28.54
		64	32	28.51	28.46	**28.70**	28.52	28.30	28.49	31.52	31.39	31.61
		128	0	28.49	28.43	28.68	28.50	28.27	28.47	31.50	31.36	31.59
	QPSK	1	0	25.42	25.38	25.67	25.56	25.57	25.38	28.50	28.49	28.54
		1	1	**28.68**	28.44	28.63	**28.32**	28.26	28.12	**31.52**	31.36	31.39
		1	131	28.43	28.61	28.57	28.24	27.95	28.08	31.35	31.31	31.34
		1	132	25.68	25.18	25.38	25.58	25.33	25.48	28.64	28.27	28.44
		64	32	28.03	27.75	27.95	27.59	27.40	27.31	30.83	30.59	30.65
		128	0	28.01	27.72	27.93	27.57	27.37	27.29	30.81	30.56	30.63
	16QAM	1	0	25.33	25.55	25.12	25.63	25.47	25.08	28.49	28.52	28.11
		1	1	28.10	**28.13**	27.92	27.46	**27.61**	27.05	30.80	**30.89**	30.52
		1	131	27.73	27.75	27.59	27.15	27.09	27.08	30.46	30.44	30.35
		1	132	25.50	25.52	25.14	25.14	25.45	25.47	28.33	28.50	28.32
		64	32	26.95	27.12	26.76	26.64	26.71	26.46	29.81	29.93	29.63
		128	0	26.93	27.09	26.74	26.62	26.68	26.44	29.79	29.90	29.61
	64QAM	1	0	25.34	25.84	25.22	25.37	25.72	25.33	28.36	28.79	28.28
		1	1	26.27	**26.93**	26.07	26.18	26.20	25.57	29.24	**29.59**	28.84
		1	131	26.29	26.65	26.04	25.91	25.71	25.85	29.12	29.22	28.96
		1	132	25.68	25.45	25.08	25.55	25.38	25.26	28.63	28.42	28.18
		64	32	26.50	26.73	26.33	**26.27**	26.16	25.92	29.40	29.46	29.14
		128	0	26.48	26.70	26.31	26.25	26.13	25.90	29.38	29.43	29.12
	256QAM	1	0	24.52	24.63	24.22	24.33	24.59	24.02	27.44	**27.62**	27.13
		1	1	24.65	24.53	23.93	24.32	24.46	24.05	27.50	27.51	27.00
		1	131	24.40	**24.71**	24.07	24.35	24.23	24.23	27.39	27.49	27.16
		1	132	24.38	24.28	23.91	**24.62**	24.39	23.99	27.51	27.35	26.96
		64	32	24.56	24.70	24.23	24.49	24.40	24.34	27.54	27.56	27.30
		128	0	24.54	24.67	24.21	24.47	24.37	24.32	27.52	27.53	27.28

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
60.0	BPSK	1	0	25.45	25.38	25.79	25.38	25.49	25.47	28.43	28.44	28.64
		1	1	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**31.71**	**31.71**	**31.71**
		1	160	28.39	28.45	28.56	28.37	28.60	28.56	31.39	31.53	31.57
		1	161	25.50	25.01	25.51	25.31	25.34	25.27	28.41	28.19	28.40
		81	40	28.58	28.45	28.67	28.63	28.46	28.43	31.62	31.46	31.56
		162	0	28.56	28.42	28.68	28.61	28.43	28.41	31.60	31.43	31.56
	QPSK	1	0	25.65	25.51	25.50	25.40	25.65	25.40	28.54	28.59	28.46
		1	1	28.45	**28.67**	28.43	28.25	**28.47**	28.35	31.36	**31.58**	31.40
		1	160	28.61	28.48	28.59	28.07	27.93	28.00	31.36	31.22	31.32
		1	161	25.61	25.35	25.47	25.30	25.32	25.24	28.47	28.35	28.37
		81	40	28.11	27.98	28.14	27.47	27.42	27.25	30.81	30.72	30.73
		162	0	28.09	27.95	28.12	27.45	27.39	27.23	30.79	30.69	30.71
	16QAM	1	0	25.65	25.42	25.60	25.53	25.49	25.35	28.60	28.47	28.49
		1	1	**28.12**	27.81	27.88	27.36	27.27	**27.37**	**30.77**	30.56	30.64
		1	160	28.08	27.76	27.57	26.99	26.91	27.16	30.58	30.36	30.38
		1	161	25.56	25.12	25.17	25.25	25.08	25.27	28.42	28.11	28.23
		81	40	27.00	26.67	26.80	26.60	26.46	26.44	29.82	29.58	29.63
		162	0	26.98	26.64	26.78	26.58	26.43	26.42	29.80	29.55	29.61
	64QAM	1	0	25.38	25.48	25.69	25.41	25.29	25.33	28.40	28.40	28.52
		1	1	**26.61**	26.21	26.18	26.09	26.11	25.72	**29.37**	29.17	28.97
		1	160	26.39	26.30	26.29	25.78	25.66	25.84	29.11	29.00	29.08
		1	161	25.11	25.24	25.19	25.19	25.12	25.14	28.16	28.19	28.17
		81	40	26.40	26.27	26.32	26.20	**26.21**	25.95	29.31	29.25	29.15
		162	0	26.38	26.24	26.30	26.18	26.18	25.93	29.29	29.22	29.13
	256QAM	1	0	24.50	24.49	24.49	24.51	**24.54**	24.13	27.52	**27.52**	27.32
		1	1	24.42	24.63	24.16	24.27	24.33	24.41	27.36	27.50	27.30
		1	160	24.54	24.36	24.50	24.12	24.25	24.16	27.35	27.31	27.34
		1	161	24.30	24.35	**24.72**	24.30	24.08	23.77	27.31	27.23	27.29
		81	40	24.49	24.35	24.43	24.25	24.25	24.07	27.38	27.31	27.26
		162	0	24.47	24.32	24.41	24.23	24.22	24.05	27.36	27.28	27.24

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
70.0	BPSK	1	0	25.67	25.51	25.72	26.49	26.32	26.27	29.11	28.94	29.02
		1	1	**28.70**	**28.70**	28.47	**28.70**	**28.70**	**28.70**	**31.71**	**31.71**	31.60
		1	187	28.61	28.39	**28.70**	28.30	28.02	28.08	31.47	31.22	31.41
		1	188	25.18	25.47	25.66	26.27	26.29	26.18	28.77	28.91	28.94
		90	45	28.43	28.62	28.67	28.62	28.59	28.25	31.53	31.61	31.47
		180	0	28.41	28.59	28.65	28.66	28.67	28.23	31.55	31.64	31.45
	QPSK	1	0	25.48	25.63	25.62	26.58	26.68	26.58	29.08	29.20	29.13
		1	1	**28.60**	28.58	28.58	27.53	**27.90**	27.79	31.11	**31.26**	31.21
		1	187	28.44	28.54	28.38	27.22	27.30	27.10	30.88	30.98	30.80
		1	188	25.41	25.51	25.65	26.03	26.14	26.15	28.74	28.85	28.92
		90	45	27.81	27.99	28.15	27.07	27.22	27.00	30.47	30.63	30.62
		180	0	27.79	27.96	28.13	27.05	27.19	26.98	30.45	30.60	30.60
	16QAM	1	0	25.52	25.30	25.57	25.80	25.96	26.07	28.67	28.65	28.84
		1	1	27.87	27.84	27.98	26.69	**26.89**	26.62	30.33	**30.40**	30.36
		1	187	27.74	27.30	**28.12**	26.38	26.10	26.18	30.12	29.75	30.27
		1	188	25.08	25.23	25.46	25.25	25.25	25.39	28.18	28.25	28.43
		90	45	26.76	26.67	27.16	25.92	25.80	26.09	29.37	29.27	29.67
		180	0	26.74	26.64	27.14	25.90	25.77	26.07	29.35	29.24	29.65
	64QAM	1	0	25.28	25.40	25.67	25.26	25.11	25.51	28.28	28.27	28.60
		1	1	26.24	26.16	26.61	25.20	25.62	25.95	28.76	28.91	**29.30**
		1	187	26.20	26.24	26.34	24.95	24.93	25.29	28.63	28.64	28.86
		1	188	25.23	24.93	25.69	24.88	24.91	24.99	28.07	27.93	28.36
		90	45	26.34	26.38	**26.70**	**25.98**	25.43	25.61	29.18	28.94	29.20
		180	0	26.32	26.35	26.68	25.96	25.40	25.59	29.16	28.91	29.18
	256QAM	1	0	**24.67**	24.60	24.58	24.01	23.85	**24.61**	27.37	27.26	**27.60**
		1	1	24.36	24.33	24.65	23.98	23.96	24.46	27.18	27.16	27.57
		1	187	24.13	24.11	24.62	23.97	23.48	23.63	27.06	26.81	27.16
		1	188	24.18	23.93	24.49	23.88	23.39	23.75	27.05	26.68	27.15
		90	45	24.25	24.19	24.56	24.12	23.69	23.89	27.19	26.96	27.24
		180	0	24.23	24.16	24.54	24.10	23.66	23.87	27.17	26.93	27.22

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
80.0	BPSK	1	0	25.62	25.45	25.39	26.65	26.26	26.28	29.17	28.89	28.86
		1	1	**28.70**	28.39	**28.70**	**28.70**	**28.70**	**28.70**	**31.71**	31.56	**31.71**
		1	215	28.60	**28.70**	28.07	28.37	27.88	27.83	31.50	31.32	30.96
		1	216	25.39	25.31	25.21	26.39	26.19	26.32	28.93	28.79	28.81
		108	54	28.57	28.14	28.45	28.61	28.35	28.63	31.60	31.26	31.55
		216	0	28.55	28.67	28.43	28.63	28.67	28.68	31.60	31.68	31.57
	QPSK	1	0	25.34	25.59	25.45	26.59	26.27	26.22	29.02	28.95	28.86
		1	1	28.61	28.50	28.41	27.31	27.36	**27.65**	31.02	30.98	**31.06**
		1	215	28.61	**28.62**	28.44	27.34	27.04	26.97	31.03	30.91	30.78
		1	216	25.19	25.48	25.20	26.08	25.99	26.13	28.67	28.75	28.70
		108	54	28.09	28.08	27.85	27.19	27.31	26.89	30.68	30.72	30.41
		216	0	28.07	28.05	27.83	27.17	27.28	26.87	30.66	30.69	30.39
	16QAM	1	0	25.67	25.48	25.21	25.62	25.84	25.73	28.66	28.68	28.48
		1	1	27.85	28.06	27.53	**26.80**	26.75	26.77	30.37	**30.47**	30.18
		1	215	**28.09**	28.07	27.74	26.22	26.39	26.05	30.26	30.32	29.99
		1	216	25.18	25.25	25.05	25.46	25.63	25.15	28.33	28.46	28.11
		108	54	26.84	26.78	26.57	26.32	26.32	26.36	29.60	29.57	29.48
		216	0	26.82	26.75	26.55	26.30	26.29	26.34	29.58	29.54	29.46
	64QAM	1	0	25.59	25.49	25.44	25.39	25.93	25.37	28.50	28.73	28.42
		1	1	26.66	26.36	**26.66**	25.09	25.60	25.46	28.95	29.01	29.11
		1	215	26.17	26.14	26.26	25.09	25.08	24.91	28.67	28.65	28.65
		1	216	25.29	25.02	25.38	24.79	24.85	25.11	28.06	27.95	28.25
		108	54	26.22	26.19	26.32	25.75	26.05	**26.06**	29.00	29.13	**29.20**
		216	0	26.20	26.16	26.30	25.73	26.02	26.04	28.98	29.10	29.18
	256QAM	1	0	24.28	24.35	24.12	23.96	24.18	24.13	27.13	**27.28**	27.13
		1	1	24.15	**24.49**	24.41	**24.25**	23.92	24.06	27.21	27.23	27.25
		1	215	24.18	24.04	24.24	23.90	23.53	23.92	27.06	26.80	27.09
		1	216	24.21	24.39	24.03	23.73	23.84	23.76	26.98	27.13	26.91
		108	54	24.21	24.31	24.23	23.99	24.00	23.79	27.11	27.17	27.02
		216	0	24.19	24.28	24.21	23.97	23.97	23.77	27.09	27.14	27.00

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
90.0	BPSK	1	0	25.56	25.55	26.19	26.34	26.48	26.88	28.98	29.05	29.56
		1	1	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	**31.71**	**31.71**	**31.71**
		1	243	28.53	28.50	28.30	28.06	28.22	28.46	31.31	31.37	31.39
		1	244	25.49	25.10	25.88	26.19	26.21	26.57	28.86	28.70	29.25
		120	60	28.40	28.52	28.27	28.19	28.43	27.81	31.31	31.49	31.06
		243	0	28.38	28.49	28.25	28.17	28.40	27.79	31.29	31.46	31.04
	QPSK	1	0	25.42	25.57	26.12	26.58	26.68	26.59	29.05	29.17	29.37
		1	1	**28.64**	28.37	28.37	27.53	**27.78**	27.76	**31.13**	31.10	31.09
		1	243	28.61	28.13	28.35	27.02	27.23	27.65	30.90	30.71	31.02
		1	244	25.22	24.89	25.82	26.13	26.26	26.60	28.71	28.64	29.24
		120	60	27.85	28.03	28.31	27.53	27.43	27.14	30.71	30.75	30.77
		243	0	27.83	28.00	28.29	27.51	27.40	27.12	30.69	30.72	30.75
	16QAM	1	0	25.28	24.99	25.94	25.87	25.60	26.12	28.59	28.31	29.04
		1	1	27.86	27.60	**28.68**	26.39	26.59	**26.98**	30.20	30.13	**30.92**
		1	243	27.83	27.59	28.23	26.18	26.25	26.67	30.10	29.99	30.53
		1	244	25.44	25.00	25.81	25.13	25.27	25.78	28.30	28.15	28.80
		120	60	26.73	26.47	27.30	26.43	26.29	26.25	29.59	29.39	29.82
		243	0	26.71	26.44	27.28	26.41	26.26	26.23	29.57	29.36	29.80
	64QAM	1	0	25.14	25.10	26.18	25.32	25.18	25.43	28.24	28.15	28.83
		1	1	26.27	26.12	**27.03**	25.24	24.97	25.77	28.79	28.59	**29.46**
		1	243	26.28	25.96	26.71	25.20	24.87	25.47	28.78	28.46	29.14
		1	244	25.31	24.83	25.93	24.96	24.94	25.15	28.15	27.89	28.57
		120	60	26.26	26.01	26.82	**26.46**	25.93	25.77	29.37	28.98	29.34
		243	0	26.24	25.98	26.80	26.44	25.90	25.75	29.35	28.95	29.32
	256QAM	1	0	24.14	24.34	24.96	24.05	23.87	24.36	27.10	27.12	27.68
		1	1	24.14	23.94	25.10	24.06	23.86	24.09	27.11	26.91	27.64
		1	243	24.20	23.94	24.84	23.66	23.32	23.75	26.95	26.65	27.34
		1	244	24.13	23.86	24.61	23.70	23.31	23.83	26.93	26.60	27.25
		120	60	24.17	**28.38**	24.73	23.81	**28.17**	23.94	27.00	**31.29**	27.36
		243	0	24.15	28.35	24.71	23.79	28.14	23.92	26.98	31.26	27.34

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
100.0	BPSK	1	0		26.28			26.97			29.65	
		1	1		**28.70**			28.63			**31.67**	
		1	271		28.32			**28.70**			31.53	
		1	272		25.97			26.56			29.29	
		135	67		28.35			28.06			31.22	
		270	0		28.33			28.04			31.20	
	QPSK	1	0		26.06			26.64			29.37	
		1	1		**28.49**			**27.68**			**31.12**	
		1	271		28.26			27.56			30.93	
		1	272		26.06			26.62			29.36	
		135	67		28.32			27.57			30.97	
		270	0		28.30			27.55			30.95	
	16QAM	1	0		26.38			25.83			29.13	
		1	1		28.25			**26.99**			**30.68**	
		1	271		**28.29**			26.47			30.48	
		1	272		26.03			25.97			29.01	
		135	67		27.39			26.21			29.85	
		270	0		27.37			26.19			29.83	
	64QAM	1	0		26.20			25.73			28.98	
		1	1		**27.18**			25.27			29.34	
		1	271		26.77			25.20			29.07	
		1	272		25.99			25.51			28.77	
		135	67		26.89			**25.97**			**29.47**	
		270	0		26.87			25.95			29.45	
	256QAM	1	0		24.85			24.28			27.58	
		1	1		**25.36**			24.24			**27.85**	
		1	271		24.52			24.04			27.30	
		1	272		24.92			**24.31**			27.64	
		135	67		24.87			23.93			27.44	
		270	0		24.85			23.91			27.42	

8.3. 5G NR n77 (FCC Part 27 3700-3980MHz, SISO)

Test Engineer ID:	16080	Test Date:	2025-04-09

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.47	25.49	25.50	27.52	27.52	27.47	24.51	24.49	24.50	24.94	25.15	24.97
		1	1	**28.70**	28.68	**28.70**	28.63	28.62	28.63	27.69	27.65	27.65	28.60	28.07	28.67
		1	22	28.67	**28.70**	28.69	**28.70**	28.63	**28.70**	**27.70**	**27.70**	**27.70**	**28.70**	27.93	**28.70**
		1	23	25.48	25.43	25.57	27.45	**28.70**	27.55	24.46	24.69	24.55	24.94	25.13	25.03
		12	6	28.67	28.61	28.62	28.61	28.56	28.64	27.67	27.65	27.63	28.64	**28.70**	28.13
		24	0	28.44	28.42	28.49	28.46	28.49	28.52	27.41	27.46	27.48	27.93	28.04	27.52
	QPSK	1	0	25.45	25.47	25.49	27.48	27.51	27.45	24.49	24.47	24.49	24.92	25.14	24.96
		1	1	28.68	28.67	**28.68**	28.59	28.60	28.62	27.66	27.63	27.64	28.54	27.97	28.61
		1	22	28.64	28.68	28.68	28.67	28.50	**28.68**	27.69	27.69	**27.69**	28.63	27.83	**28.63**
		1	23	25.46	25.42	25.56	27.44	28.57	27.53	24.45	24.67	24.53	24.93	25.12	25.02
		12	6	28.65	28.60	28.61	28.59	28.55	28.62	27.66	27.63	27.62	28.62	28.59	28.04
		24	0	28.39	28.37	28.43	28.44	28.46	28.50	27.37	27.41	27.42	27.86	27.91	27.38
	16QAM	1	0	24.25	24.42	24.48	26.26	26.39	26.18	23.34	23.44	23.29	23.84	24.10	23.76
		1	1	27.50	**27.67**	27.43	27.48	27.39	27.38	26.40	26.38	26.59	27.47	26.79	27.50
		1	22	27.41	27.57	27.44	**27.67**	27.35	27.44	**26.62**	26.46	26.60	**27.63**	26.81	27.62
		1	23	24.41	24.42	24.40	26.37	27.49	26.32	23.23	23.67	23.46	23.81	24.06	23.90
		12	6	27.46	27.60	27.54	27.56	27.39	27.37	26.39	26.45	26.43	27.54	27.51	27.02
		24	0	27.27	27.24	27.26	27.19	27.44	27.48	26.16	26.39	26.39	26.60	26.76	26.13
	64QAM	1	0	23.20	23.19	23.44	25.05	25.22	25.10	22.34	22.20	22.04	22.82	22.86	22.62
		1	1	26.25	**26.61**	26.29	26.26	26.33	26.25	25.30	25.35	**25.57**	26.43	25.52	26.38
		1	22	26.30	26.31	26.19	26.53	26.32	26.41	25.52	25.36	25.38	**26.50**	25.62	26.43
		1	23	23.19	23.30	23.22	25.15	26.28	25.17	22.01	22.42	22.30	22.79	22.80	22.66
		12	6	26.41	26.37	26.49	**26.54**	26.16	26.22	25.24	25.29	25.39	26.31	26.36	26.02
		24	0	26.26	25.97	26.20	25.95	26.31	26.44	25.06	25.18	25.32	25.58	25.72	24.87
	256QAM	1	0	22.13	21.92	22.25	23.90	24.22	23.98	21.33	20.93	20.98	21.74	21.67	21.59
		1	1	25.22	25.38	25.19	25.22	25.20	25.20	24.15	24.15	24.34	25.28	24.39	25.24
		1	22	25.18	25.18	25.08	25.27	25.08	25.18	**24.47**	24.13	24.28	**25.39**	24.59	25.20
		1	23	22.16	22.08	21.98	23.98	25.06	23.93	20.74	21.31	21.29	21.77	21.73	21.40
		12	6	25.32	25.28	**25.40**	**25.51**	25.03	25.12	24.01	24.23	24.39	25.14	25.15	24.81
		24	0	25.15	24.95	25.10	24.90	25.15	25.42	23.85	24.11	24.24	24.34	24.54	23.60

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				647166	656000	664833	647166	656000	664833	647166	656000	664833	647166	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	25.55	25.57	25.61	27.48	27.69	27.60	24.60	24.44	24.55	25.11	25.43	24.98
		1	1	**28.70**	28.67	28.67	28.69	**28.70**	28.67	**27.70**	27.61	27.69	28.68	28.52	28.64
		1	36	28.59	**28.70**	**28.70**	28.64	28.70	**28.70**	27.67	**27.70**	**27.70**	**28.70**	28.20	**28.70**
		1	37	25.48	25.48	25.58	27.53	27.58	27.49	24.52	24.59	24.53	25.05	25.32	25.01
		18	9	28.69	28.65	28.69	**28.70**	28.63	28.68	27.69	27.67	27.61	28.63	**28.70**	28.19
		36	0	28.45	28.39	28.47	28.57	28.42	28.46	27.41	27.40	27.44	27.95	28.25	27.51
	QPSK	1	0	25.53	25.55	25.60	27.46	27.66	27.59	24.58	24.43	24.54	25.10	25.41	24.97
		1	1	28.69	28.65	28.66	28.67	28.68	28.66	**27.69**	27.60	27.68	28.64	28.42	28.58
		1	36	28.57	28.68	**28.69**	28.62	28.68	28.68	27.66	27.68	27.68	**28.65**	28.10	28.63
		1	37	25.46	25.46	25.56	27.51	27.55	27.48	24.50	24.57	24.51	25.03	25.30	25.00
		18	9	28.67	28.64	28.68	**28.69**	28.61	28.67	27.67	27.65	27.60	28.62	28.63	28.09
		36	0	28.40	28.33	28.42	28.55	28.40	28.44	27.36	27.35	27.39	27.91	28.12	27.38
	16QAM	1	0	24.50	24.38	24.55	26.23	26.53	26.37	23.56	23.25	23.32	23.83	24.24	23.75
		1	1	27.44	27.44	27.45	**27.59**	27.49	27.57	26.52	26.52	26.47	27.58	27.24	27.45
		1	36	27.41	27.45	27.42	27.44	27.42	27.45	**26.64**	26.45	26.57	27.54	26.91	**27.62**
		1	37	24.31	24.30	24.36	26.30	26.55	26.30	23.50	23.35	23.29	23.92	24.24	23.76
		18	9	**27.59**	27.53	27.44	27.49	27.49	27.57	26.46	26.48	26.49	27.37	27.37	26.92
		36	0	27.37	27.10	27.25	27.33	27.31	27.36	26.27	26.22	26.28	26.91	27.05	26.32
	64QAM	1	0	23.37	23.20	23.52	25.08	25.36	25.37	22.55	22.22	22.20	22.59	23.06	22.69
		1	1	26.20	26.22	26.32	26.42	26.44	26.32	25.26	25.42	25.29	26.36	26.21	26.35
		1	36	26.24	26.33	26.42	26.25	26.35	26.31	25.53	25.35	**25.55**	**26.44**	25.68	26.41
		1	37	23.25	23.04	23.24	25.24	25.47	25.03	22.44	22.10	22.09	22.92	23.11	22.72
		18	9	26.40	**26.44**	26.35	26.24	26.26	**26.51**	25.40	25.48	25.27	26.10	26.24	25.82
		36	0	26.16	25.83	26.23	26.25	26.13	26.11	25.01	25.03	25.02	25.69	26.02	25.27
	256QAM	1	0	22.31	22.12	22.34	23.89	24.13	24.21	21.49	21.10	20.99	21.44	21.97	21.49
		1	1	25.19	25.06	25.09	25.33	25.30	25.28	24.01	24.37	24.02	25.15	25.10	25.14
		1	36	25.01	25.07	25.27	25.07	25.21	25.09	**24.51**	24.27	24.40	25.20	24.56	25.17
		1	37	22.14	22.02	22.05	24.08	24.25	23.91	21.17	21.07	20.83	21.88	22.04	21.47
		18	9	25.20	**25.28**	25.21	25.22	25.07	**25.40**	24.18	24.25	24.02	24.84	**25.24**	24.71
		36	0	25.03	24.66	25.07	25.21	25.01	24.86	24.00	23.99	23.84	24.45	24.77	24.17

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.51	25.50	25.59	27.51	27.46	27.67	24.60	24.01	24.52	24.95	25.40	25.02
		1	1	**28.70**	28.70	28.64	**28.70**	28.58	28.70	**27.70**	**27.70**	27.61	**28.70**	28.52	**28.70**
		1	49	28.57	**28.70**	**28.70**	28.56	**28.70**	**28.70**	27.65	27.38	**27.70**	28.57	27.92	28.62
		1	50	25.40	25.53	25.41	27.46	27.58	27.41	24.50	23.69	24.43	24.85	25.03	24.93
		25	12	28.61	28.62	28.54	28.60	28.56	28.51	27.69	27.51	27.59	28.59	**28.70**	28.19
		50	0	28.68	28.68	28.57	28.69	28.64	28.69	27.67	27.05	27.59	28.14	28.15	27.41
	QPSK	1	0	25.49	25.49	25.57	27.50	27.44	27.65	24.59	24.00	24.51	24.94	25.39	25.00
		1	1	**28.69**	28.69	28.62	**28.68**	28.57	28.67	**27.69**	27.68	27.59	**28.65**	28.42	28.63
		1	49	28.55	28.68	28.68	28.54	28.68	28.67	27.64	27.36	27.68	28.52	27.83	28.55
		1	50	25.39	25.52	25.40	27.45	27.56	27.39	24.49	23.67	24.41	24.84	25.01	24.91
		25	12	28.60	28.61	28.52	28.58	28.54	28.50	27.67	27.50	27.58	28.58	28.61	28.09
		50	0	28.62	28.45	28.51	28.67	28.63	28.66	27.62	26.97	27.54	28.07	28.02	27.28
	16QAM	1	0	24.28	24.34	24.44	26.39	26.21	26.38	23.51	22.88	23.48	23.81	24.36	23.83
		1	1	**27.66**	27.66	27.43	27.58	27.56	27.60	**26.63**	26.47	26.34	27.47	27.33	**27.58**
		1	49	27.35	27.65	27.48	27.44	27.61	**27.65**	26.43	26.14	26.59	27.51	26.72	27.43
		1	50	24.20	24.43	24.38	26.41	26.31	26.13	23.23	22.50	23.34	23.60	23.78	23.81
		25	12	27.38	27.34	27.42	27.54	27.37	27.32	26.49	26.46	26.42	27.57	27.35	26.90
		50	0	27.58	27.18	27.34	27.65	27.51	27.39	26.36	25.74	26.40	26.85	26.90	26.16
	64QAM	1	0	23.12	23.25	23.25	25.27	25.18	25.25	22.30	21.73	22.45	22.69	23.15	22.72
		1	1	26.54	**26.58**	26.18	26.39	26.48	26.60	25.49	25.34	25.22	26.34	26.26	26.35
		1	49	26.19	26.54	26.40	26.34	26.60	26.57	25.21	25.13	**25.55**	26.37	25.60	26.18
		1	50	23.10	23.37	23.26	25.19	25.18	24.88	22.14	21.26	22.26	22.56	22.74	22.70
		25	12	26.11	26.09	26.15	26.42	26.15	26.32	25.39	25.44	25.21	**26.40**	26.34	25.90
		50	0	26.56	26.06	26.32	**26.61**	26.42	26.17	25.27	24.57	25.19	25.79	25.68	24.95
	256QAM	1	0	21.92	22.10	22.22	24.06	24.04	23.99	21.21	20.73	21.20	21.61	22.15	21.53
		1	1	25.36	**25.56**	24.95	25.15	25.23	25.45	24.22	24.19	24.13	25.27	25.11	25.13
		1	49	25.08	25.45	25.34	25.17	**25.60**	25.39	23.94	23.91	**24.29**	25.25	24.38	24.91
		1	50	21.91	22.16	22.24	23.97	23.92	23.73	20.93	20.21	21.14	21.36	21.57	21.51
		25	12	24.87	24.87	24.91	25.33	24.88	25.11	24.12	24.29	24.21	**25.36**	25.30	24.69
		50	0	25.37	24.81	25.20	25.51	25.36	25.03	24.23	23.33	24.01	24.76	24.51	23.72

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				647500	656000	664500	647500	656000	664500	647500	656000	664500	647500	656000	664500
				3712.5	3840.0	3967.5	3712.5	3840.0	3967.5	3712.5	3840.0	3967.5	3712.5	3840.0	3967.5
25.0	BPSK	1	0	25.51	25.47	25.60	27.51	27.38	27.62	24.51	24.48	24.42	27.12	27.10	24.95
		1	1	28.63	28.56	28.63	**28.70**	28.50	**28.70**	27.56	27.61	**27.70**	28.66	28.67	**28.70**
		1	63	**28.70**	**28.70**	**28.70**	28.67	**28.70**	28.58	**27.70**	**27.70**	27.45	**28.70**	**28.70**	28.53
		1	64	25.50	25.55	25.44	27.64	27.55	27.45	24.48	24.51	24.28	26.52	26.37	24.83
		32	16	28.64	28.45	28.43	28.62	28.40	28.38	27.52	27.45	27.36	28.32	28.22	28.26
		64	0	28.55	28.40	28.42	28.57	28.39	28.41	27.43	27.54	27.34	28.24	28.23	27.62
	QPSK	1	0	25.50	25.46	25.58	27.50	27.37	27.61	24.49	24.46	24.40	27.10	27.07	24.94
		1	1	28.62	28.53	28.61	28.68	28.49	28.69	27.55	27.59	27.68	28.60	28.60	**28.63**
		1	63	28.68	**28.69**	28.67	28.66	**28.69**	28.57	27.68	**27.69**	27.43	28.62	28.62	28.47
		1	64	25.49	25.53	25.41	27.62	27.54	27.43	24.46	24.50	24.27	26.50	26.35	24.82
		32	16	28.63	28.44	28.40	28.60	28.39	28.37	27.51	27.44	27.35	28.31	28.21	28.17
		64	0	28.49	28.33	28.35	28.56	28.38	28.40	27.38	27.47	27.26	28.23	28.21	27.50
	16QAM	1	0	24.34	24.25	24.52	26.36	26.27	26.49	23.31	23.29	23.18	25.91	25.99	23.85
		1	1	27.41	27.37	27.61	**27.64**	27.26	27.49	26.31	26.44	26.58	27.43	**27.52**	27.39
		1	63	27.56	27.53	**27.63**	27.58	27.43	27.53	**26.63**	26.58	26.18	27.37	27.49	27.35
		1	64	24.30	24.49	24.35	26.56	26.48	26.32	23.27	23.42	23.01	25.43	25.32	23.79
		32	16	27.42	27.21	27.26	27.46	27.13	27.33	26.28	26.42	26.29	27.22	26.94	27.09
		64	0	27.29	27.17	27.28	27.38	27.17	27.21	26.26	26.23	26.09	27.16	27.10	26.28
	64QAM	1	0	23.18	22.98	23.41	25.35	25.12	25.26	22.11	22.14	21.93	24.80	24.98	22.81
		1	1	26.35	26.33	26.48	**26.50**	26.26	26.27	25.23	25.17	25.57	26.17	**26.41**	26.30
		1	63	**26.55**	26.50	26.38	26.33	26.23	26.45	**25.58**	25.39	25.11	26.20	26.39	26.31
		1	64	23.22	23.40	23.24	25.32	25.21	25.32	22.00	22.36	21.77	24.33	24.22	22.64
		32	16	26.36	26.06	26.13	26.43	26.09	26.16	25.26	25.27	25.14	26.10	25.89	25.99
		64	0	26.24	26.10	26.05	26.38	25.99	26.11	24.99	25.19	25.05	25.89	25.89	25.11
	256QAM	1	0	21.99	21.81	22.14	24.32	23.90	24.08	21.04	20.97	20.71	23.80	23.97	21.65
		1	1	25.31	25.32	25.28	**25.37**	25.20	25.08	24.21	23.97	24.32	25.03	**25.24**	25.23
		1	63	**25.43**	25.24	25.23	25.11	25.21	25.28	**24.48**	24.27	24.00	24.98	25.23	25.04
		1	64	21.99	22.23	22.05	24.08	23.95	24.26	20.99	21.29	20.66	23.24	23.10	21.62
		32	16	25.23	24.93	24.90	25.33	24.99	25.05	24.21	24.16	24.13	25.02	24.82	24.98
		64	0	25.16	24.93	24.82	25.26	24.77	25.11	23.90	24.18	23.82	24.76	24.74	24.03

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.63	25.56	25.64	25.71	27.47	27.54	24.56	24.30	24.55	27.11	27.07	25.45
		1	1	**28.70**	28.62	**28.70**	28.24	28.55	28.62	27.67	27.56	27.63	28.68	**28.70**	28.66
		1	76	28.61	**28.70**	28.41	27.93	**28.70**	**28.70**	**27.70**	**27.70**	**27.70**	**28.70**	28.19	**28.70**
		1	77	25.53	25.62	25.24	25.57	27.59	27.32	24.43	24.49	24.43	26.59	26.52	25.14
		36	18	28.58	28.49	28.32	**28.70**	28.56	28.43	27.50	27.39	27.48	28.52	28.38	28.38
		75	0	28.48	28.42	28.31	28.11	28.51	28.37	27.38	27.30	27.34	28.43	28.34	27.82
	QPSK	1	0	25.61	25.53	25.62	25.66	27.45	27.53	24.55	24.29	24.54	27.09	27.05	25.38
		1	1	28.68	28.60	**28.69**	28.12	28.54	28.59	27.65	27.54	27.61	28.62	28.68	28.65
		1	76	28.60	28.69	28.40	27.81	**28.68**	28.66	27.67	**27.68**	27.66	28.64	28.18	**28.69**
		1	77	25.50	25.59	25.23	25.55	27.57	27.29	24.42	24.47	24.41	26.57	26.50	25.12
		36	18	28.56	28.47	28.31	28.61	28.55	28.41	27.49	27.37	27.47	28.50	28.36	28.30
		75	0	28.42	28.37	28.26	27.96	28.49	28.35	27.33	27.24	27.26	28.42	28.32	27.69
	16QAM	1	0	24.59	24.40	24.48	24.52	26.30	26.33	23.46	23.15	23.36	25.90	26.03	24.36
		1	1	27.45	27.44	27.56	27.02	27.38	27.59	26.49	**26.54**	26.46	27.36	**27.65**	27.42
		1	76	27.54	**27.61**	27.39	26.79	27.41	**27.60**	26.49	26.53	26.46	27.57	27.00	27.64
		1	77	24.44	24.57	24.10	24.34	26.49	26.05	23.42	23.36	23.15	25.41	25.29	23.91
		36	18	27.36	27.46	27.09	27.56	27.38	27.18	26.38	26.32	26.27	27.38	27.32	27.30
		75	0	27.34	27.31	27.11	26.88	27.49	27.20	26.32	26.05	26.06	27.15	27.28	26.63
	64QAM	1	0	23.37	23.20	23.46	23.34	25.24	25.11	22.46	21.93	22.32	24.90	25.03	23.26
		1	1	26.25	26.32	26.44	25.96	26.35	26.56	25.42	25.31	25.38	26.24	26.49	26.18
		1	76	**26.50**	26.48	26.26	25.61	26.31	**26.59**	25.26	**25.45**	25.20	26.45	25.93	**26.63**
		1	77	23.19	23.39	22.95	23.13	25.29	25.05	22.39	22.24	22.14	24.38	24.19	22.82
		36	18	26.09	26.32	26.07	26.56	26.32	26.18	25.28	25.16	25.06	26.18	26.21	26.23
		75	0	26.30	26.22	25.90	25.70	26.49	26.07	25.10	24.92	24.88	25.90	26.25	25.50
	256QAM	1	0	22.32	21.93	22.41	22.33	24.16	24.10	21.31	20.70	21.07	23.88	24.03	22.18
		1	1	24.99	25.11	25.21	24.77	25.24	25.54	24.15	24.13	24.14	25.22	25.44	25.17
		1	76	**25.45**	25.28	25.17	24.34	25.15	**25.57**	24.07	**24.34**	24.12	25.19	24.76	**25.47**
		1	77	22.17	22.17	21.83	21.96	24.11	23.96	21.25	20.98	21.02	23.11	23.16	21.65
		36	18	24.83	25.12	24.94	25.37	25.05	25.15	24.06	24.14	24.04	25.13	25.19	25.12
		75	0	25.15	25.15	24.63	24.51	25.22	25.03	23.95	23.71	23.74	24.64	25.07	24.31

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.51	25.49	25.58	27.38	27.42	27.60	24.62	24.46	24.52	27.07	27.19	24.70
		1	1	28.67	28.60	**28.70**	**28.70**	28.40	28.68	**27.70**	**27.70**	27.68	**28.70**	**28.70**	28.47
		1	104	**28.70**	28.67	28.25	28.57	**28.70**	**28.70**	27.52	27.67	**27.70**	27.90	27.98	**28.70**
		1	105	25.39	25.59	25.15	27.44	27.45	27.25	24.38	24.60	24.42	26.23	26.28	24.96
		50	25	28.50	**28.70**	28.41	28.47	28.67	28.57	27.53	27.68	27.61	28.16	28.28	28.51
		100	0	28.54	28.63	28.45	28.49	28.61	28.58	27.44	27.64	27.59	28.24	28.43	28.02
	QPSK	1	0	25.49	25.48	25.56	27.37	27.39	27.58	24.59	24.44	24.50	27.06	27.17	24.68
		1	1	28.64	28.57	28.68	**28.68**	28.39	28.64	27.68	**27.69**	27.65	28.68	**28.69**	28.44
		1	104	28.67	28.66	28.24	28.55	28.68	28.65	27.50	27.66	27.68	27.89	27.97	28.66
		1	105	25.37	25.58	25.13	27.42	27.44	27.24	24.37	24.59	24.41	26.22	26.26	24.94
		50	25	28.49	**28.69**	28.40	28.46	28.65	28.56	27.51	27.65	27.59	28.15	28.27	28.45
		100	0	28.48	28.57	28.40	28.48	28.60	28.57	27.39	27.59	27.52	28.23	28.41	27.90
	16QAM	1	0	24.31	24.46	24.38	26.32	26.31	26.48	23.54	23.23	23.25	25.85	26.14	23.68
		1	1	27.56	27.42	27.54	27.59	27.15	27.59	26.55	26.61	26.62	27.59	**27.65**	27.38
		1	104	27.55	**27.57**	27.08	27.37	27.43	27.56	26.23	26.47	**26.68**	26.86	26.93	27.47
		1	105	24.30	24.35	23.98	26.15	26.26	26.01	23.12	23.50	23.18	25.21	25.12	23.82
		50	25	27.46	27.51	27.35	27.27	27.48	27.33	26.25	26.53	26.47	26.88	27.15	27.28
		100	0	27.26	27.43	27.30	27.24	**27.60**	27.50	26.17	26.53	26.43	26.98	27.34	26.89
	64QAM	1	0	23.13	23.41	23.29	25.22	25.28	25.32	22.29	22.17	22.14	24.59	25.05	22.55
		1	1	**26.52**	26.25	26.34	26.51	25.99	**26.57**	25.42	25.55	25.51	26.39	**26.60**	26.21
		1	104	26.50	26.45	26.00	26.28	26.26	26.31	25.19	25.47	**25.59**	25.79	25.73	26.22
		1	105	23.27	23.14	22.89	25.12	25.00	24.76	21.97	22.36	22.12	24.01	24.09	22.58
		50	25	26.33	26.30	26.31	26.12	26.48	26.09	25.18	25.30	25.38	25.74	25.89	26.20
		100	0	26.17	26.37	26.26	26.10	26.50	26.29	25.09	25.37	25.42	25.77	26.08	25.68
	256QAM	1	0	22.09	22.20	22.22	24.02	24.20	24.16	21.10	21.16	21.09	23.35	23.98	21.52
		1	1	**25.40**	25.23	25.30	25.36	24.97	**25.52**	24.42	24.34	24.24	25.36	**25.52**	25.05
		1	104	25.34	25.22	24.81	25.24	25.11	25.31	24.08	24.28	**24.48**	24.66	24.53	25.18
		1	105	22.11	22.01	21.70	24.12	23.92	23.60	20.96	21.35	21.12	22.92	22.84	21.43
		50	25	25.24	25.19	25.27	24.85	25.26	24.93	24.12	24.29	24.26	24.57	24.82	25.20
		100	0	24.93	25.11	25.09	24.99	25.36	25.14	24.00	24.33	24.38	24.74	24.88	24.58

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.60	25.65	25.62	27.36	27.36	27.54	24.60	24.37	24.53	27.15	27.05	25.05
		1	1	28.68	**28.70**	**28.70**	**28.70**	**28.70**	28.61	**27.70**	27.38	27.67	28.65	28.59	**28.70**
		1	131	**28.70**	28.67	28.24	28.70	28.69	**28.70**	27.59	**27.70**	**27.70**	**28.70**	**28.70**	28.59
		1	132	25.56	25.59	25.12	27.58	27.63	27.16	24.56	24.57	24.32	25.92	26.04	24.92
		64	32	28.58	28.56	28.51	28.45	28.69	28.49	27.50	27.61	27.59	28.16	28.16	28.49
		128	0	28.50	28.50	28.35	28.38	28.59	28.31	27.43	27.42	27.48	28.12	28.08	27.85
	QPSK	1	0	25.58	25.61	25.60	27.35	27.35	27.53	24.57	24.35	24.51	27.13	27.04	25.03
		1	1	28.67	**28.69**	28.69	28.66	28.67	28.55	**27.68**	27.37	27.64	28.53	28.48	**28.68**
		1	131	28.68	28.66	28.23	28.66	28.66	28.65	27.57	27.68	27.66	28.57	28.59	28.56
		1	132	25.54	25.57	25.11	27.56	27.62	27.15	24.55	24.56	24.31	25.91	26.02	24.90
		64	32	28.57	28.55	28.50	28.44	**28.67**	28.48	27.49	27.59	27.58	28.15	28.14	28.42
		128	0	28.43	28.44	28.29	28.37	28.58	28.30	27.37	27.36	27.39	28.11	28.07	27.77
	16QAM	1	0	24.46	24.50	24.37	26.23	26.13	26.42	23.33	23.35	23.33	25.96	25.88	23.92
		1	1	27.53	**27.69**	27.42	27.42	27.44	27.28	26.45	26.31	26.41	27.47	27.30	**27.67**
		1	131	27.63	27.40	27.08	27.58	**27.63**	27.55	26.30	**26.57**	26.46	27.55	27.41	27.34
		1	132	24.41	24.43	24.04	26.35	26.45	25.88	23.41	23.52	23.11	24.65	24.99	23.85
		64	32	27.40	27.55	27.40	27.37	27.46	27.45	26.46	26.38	26.33	27.15	26.90	27.18
		128	0	27.38	27.18	27.24	27.11	27.40	27.19	26.21	26.34	26.19	26.87	27.01	26.62
	64QAM	1	0	23.23	23.43	23.29	25.22	25.08	25.21	22.11	22.13	22.28	24.80	24.80	22.74
		1	1	26.45	26.43	26.38	26.23	26.42	26.16	25.28	25.10	25.14	26.24	26.21	**26.52**
		1	131	**26.57**	26.40	25.97	26.43	**26.50**	26.46	25.20	25.40	**25.44**	26.32	26.21	26.26
		1	132	23.27	23.38	22.80	25.34	25.38	24.83	22.38	22.40	21.88	23.51	23.76	22.78
		64	32	26.34	26.35	26.23	26.36	26.34	26.40	25.36	25.23	25.23	26.05	25.68	26.06
		128	0	26.15	26.07	26.12	25.98	26.36	26.08	25.13	25.08	25.05	25.87	25.86	25.40
	256QAM	1	0	21.99	22.42	22.21	24.03	23.90	24.15	20.84	20.88	21.23	23.65	23.75	21.72
		1	1	25.26	25.21	25.33	24.97	25.38	25.15	24.27	23.94	24.09	25.15	24.95	**25.37**
		1	131	25.33	**25.39**	24.77	25.27	25.40	**25.46**	24.19	24.18	**24.39**	25.16	24.95	25.22
		1	132	22.01	22.29	21.69	24.16	24.29	23.79	21.23	21.37	20.78	22.25	22.60	21.57
		64	32	25.28	25.33	25.14	25.12	25.13	25.30	24.15	24.01	24.11	24.82	24.55	24.84
		128	0	24.90	24.98	24.96	24.89	25.34	25.06	23.93	24.00	23.79	24.67	24.81	24.25

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.52	25.29	25.57	27.38	27.50	27.61	24.56	24.52	24.53	27.14	27.13	26.81
		1	1	28.59	28.32	**28.70**	**28.70**	**28.70**	28.67	**27.70**	**27.70**	**27.70**	28.66	28.69	28.39
		1	160	**28.70**	**28.70**	28.00	28.57	28.67	**28.70**	27.69	27.70	27.45	**28.70**	**28.70**	28.46
		1	161	25.47	25.56	25.10	27.59	27.59	27.12	24.64	24.63	24.22	25.82	26.21	26.24
		81	40	28.44	28.43	28.38	28.41	28.67	28.43	27.52	27.51	27.47	28.11	28.17	27.98
		162	0	28.47	28.43	28.34	28.54	28.64	28.37	27.56	27.53	27.45	28.20	28.15	28.06
	QPSK	1	0	25.50	25.28	25.56	27.37	27.48	27.60	24.55	24.49	24.51	27.13	27.11	26.80
		1	1	28.58	28.31	**28.68**	**28.67**	28.66	28.61	**27.68**	27.66	27.67	28.53	28.58	28.32
		1	160	28.67	28.67	27.99	28.54	28.66	28.63	27.68	27.67	27.44	28.56	**28.59**	28.39
		1	161	25.46	25.54	25.08	27.56	27.58	27.10	24.62	24.61	24.20	25.81	26.18	26.23
		81	40	28.43	28.42	28.37	28.40	28.65	28.42	27.51	27.49	27.45	28.09	28.16	27.96
		162	0	28.42	28.37	28.28	28.52	28.63	28.36	27.50	27.46	27.39	28.17	28.14	28.04
	16QAM	1	0	24.47	24.15	24.31	26.27	26.30	26.44	23.45	23.28	23.31	26.04	25.85	25.60
		1	1	27.48	27.12	**27.57**	27.61	27.58	27.47	26.48	26.57	**26.66**	27.31	27.45	27.25
		1	160	27.53	27.55	26.73	27.46	27.46	**27.61**	26.66	26.51	26.33	**27.50**	27.40	27.28
		1	161	24.32	24.34	23.87	26.37	26.35	26.01	23.56	23.44	23.14	24.69	25.01	25.00
		81	40	27.31	27.32	27.37	27.28	27.52	27.35	26.47	26.39	26.37	26.92	26.92	26.88
		162	0	27.21	27.17	27.18	27.36	27.45	27.31	26.36	26.20	26.16	26.90	27.05	26.93
	64QAM	1	0	23.25	23.01	23.30	25.24	25.16	25.17	22.23	22.20	22.26	25.02	24.68	24.56
		1	1	26.47	25.97	**26.50**	26.34	26.55	26.33	25.35	25.52	25.62	26.22	26.30	26.22
		1	160	26.45	26.39	25.62	26.33	26.44	**26.57**	**25.66**	25.40	25.18	**26.41**	26.18	26.18
		1	161	23.28	23.18	22.65	25.27	25.08	24.76	22.49	22.18	22.00	23.55	23.90	23.87
		81	40	26.07	26.32	26.10	26.28	26.29	26.34	25.27	25.30	25.27	25.69	25.92	25.70
		162	0	26.15	26.07	26.01	26.21	26.39	26.21	25.28	25.10	24.92	25.73	25.81	25.72
	256QAM	1	0	22.01	21.74	22.16	24.09	24.03	23.98	21.08	21.02	21.03	24.02	23.53	23.42
		1	1	25.28	24.88	**25.44**	25.25	25.34	25.25	24.32	24.26	**24.54**	25.19	25.24	25.00
		1	160	25.40	25.14	24.43	25.07	25.27	**25.55**	24.42	24.27	23.96	**25.31**	24.96	25.13
		1	161	22.08	22.00	21.63	24.21	23.81	23.70	21.43	21.05	20.97	22.53	22.74	22.76
		81	40	24.97	25.31	24.86	25.20	25.14	25.07	24.10	24.21	24.17	24.42	24.88	24.57
		162	0	24.97	24.97	24.91	25.09	25.34	25.08	24.24	24.10	23.80	24.69	24.64	24.54

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.31	25.36	25.64	27.29	27.61	27.61	24.64	24.48	24.66	27.19	25.81	25.39
		1	1	**28.70**	28.42	**28.70**	28.23	28.55	28.48	**27.70**	**27.70**	**27.70**	28.64	27.05	27.74
		1	187	28.36	**28.70**	28.29	**28.70**	28.68	**28.70**	27.54	27.54	27.56	**28.70**	26.17	27.74
		1	188	25.62	25.62	25.23	27.59	27.54	26.95	24.46	24.70	24.49	26.03	24.77	25.55
		90	45	28.60	28.50	28.66	28.45	**28.70**	28.30	27.65	27.63	27.68	28.04	**28.70**	**28.70**
		180	0	28.22	28.39	28.50	28.36	28.63	28.25	27.58	27.56	27.60	28.05	28.13	28.09
	QPSK	1	0	25.30	25.34	25.62	27.28	27.56	27.58	24.62	24.46	24.64	27.17	25.65	25.38
		1	1	28.64	28.40	**28.69**	28.21	28.50	28.42	**27.68**	27.67	27.68	28.52	26.96	27.63
		1	187	28.34	28.68	28.27	28.66	28.66	28.58	27.51	27.53	27.54	28.57	26.06	27.67
		1	188	25.56	25.60	25.20	27.56	27.53	26.94	24.44	24.69	24.47	26.02	24.67	25.52
		90	45	28.56	28.49	28.65	28.44	**28.69**	28.29	27.63	27.61	27.66	28.03	**28.64**	28.63
		180	0	28.20	28.33	28.44	28.33	28.62	28.23	27.52	27.50	27.54	28.03	28.02	27.98
	16QAM	1	0	24.18	24.23	24.62	26.10	26.33	26.34	23.43	23.31	23.60	26.05	24.61	24.31
		1	1	27.44	27.37	27.44	27.04	27.49	27.15	26.54	26.54	**26.63**	27.43	25.80	26.57
		1	187	27.14	27.46	27.23	27.44	**27.66**	27.45	26.41	26.44	26.44	27.31	24.99	26.45
		1	188	24.54	24.34	24.17	26.31	26.45	25.91	23.20	23.47	23.40	24.90	23.47	24.48
		90	45	27.36	27.29	**27.60**	27.17	27.56	27.08	26.53	26.58	26.44	27.01	**27.46**	27.40
		180	0	27.17	27.10	27.28	27.28	27.51	27.13	26.48	26.36	26.40	26.95	26.91	26.91
	64QAM	1	0	22.96	22.99	23.58	25.09	25.08	25.28	22.17	22.25	22.46	24.84	23.40	23.12
		1	1	26.19	26.22	26.34	25.80	26.45	25.94	25.39	**25.44**	25.37	26.19	24.59	25.47
		1	187	25.88	26.20	26.21	26.34	**26.59**	26.20	25.37	25.40	25.24	26.15	23.80	25.39
		1	188	23.43	23.17	23.14	25.12	25.34	24.89	21.96	22.29	22.20	23.87	22.21	23.44
		90	45	26.22	26.07	**26.46**	26.17	26.47	25.86	25.26	25.35	25.17	25.74	**26.35**	26.32
		180	0	26.01	26.02	26.03	26.07	26.24	25.94	25.25	25.34	25.16	25.92	25.88	25.66
	256QAM	1	0	21.92	21.84	22.31	23.93	24.06	24.08	21.07	21.00	21.37	23.84	22.24	22.00
		1	1	25.07	25.04	25.24	24.62	**25.42**	24.85	24.22	24.22	24.13	25.17	23.54	24.22
		1	187	24.75	24.97	25.01	25.09	25.32	25.03	24.25	24.14	23.99	24.91	22.62	24.32
		1	188	22.39	21.95	22.09	24.09	24.31	23.82	20.74	21.16	21.06	22.71	20.99	22.21
		90	45	25.21	25.02	**25.42**	24.95	25.38	24.86	24.16	**24.33**	23.95	24.54	**25.34**	25.29
		180	0	24.76	24.75	25.03	24.90	25.00	24.82	24.25	24.25	24.08	24.67	24.78	24.52

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.44	25.39	25.61	27.22	27.33	27.72	24.03	24.33	24.61	27.18	26.88	26.86
		1	1	**28.70**	28.44	**28.70**	28.40	28.40	28.67	27.25	27.58	27.69	28.66	**28.70**	**28.70**
		1	215	28.60	**28.70**	28.23	**28.70**	**28.70**	**28.70**	27.60	**27.70**	**27.70**	**28.70**	27.94	27.88
		1	216	25.44	25.51	25.03	27.70	27.66	27.07	24.78	24.60	23.96	26.12	26.29	26.18
		108	54	28.28	28.29	28.46	28.41	28.54	28.48	**27.70**	27.51	27.47	28.07	28.13	28.01
		216	0	28.31	28.36	28.39	28.48	28.51	28.47	20.36	27.47	27.44	28.15	28.08	28.05
	QPSK	1	0	25.42	25.37	25.59	27.20	27.27	27.70	24.01	24.32	24.59	27.17	26.87	26.83
		1	1	28.67	28.43	28.68	28.38	28.33	28.59	27.23	27.56	27.62	28.56	28.65	**28.66**
		1	215	28.58	**28.68**	28.20	**28.66**	28.66	28.64	27.56	**27.67**	27.63	28.61	27.90	27.82
		1	216	25.42	25.50	25.00	27.66	27.61	27.06	24.76	24.59	23.94	26.11	26.27	26.17
		108	54	28.27	28.28	28.45	28.39	28.52	28.46	27.66	27.49	27.45	28.05	28.11	28.00
		216	0	28.26	28.31	28.33	28.44	28.50	28.46	19.95	27.41	27.37	28.14	28.07	28.02
	16QAM	1	0	24.29	24.30	24.43	25.96	26.02	26.56	22.95	23.12	23.34	26.00	25.75	25.60
		1	1	27.47	27.43	**27.64**	27.29	27.23	27.38	26.19	26.48	26.35	27.46	27.50	27.39
		1	215	27.42	27.51	27.11	27.42	27.41	**27.57**	26.56	26.49	**26.63**	**27.52**	26.90	26.82
		1	216	24.38	24.32	23.90	26.66	26.51	25.92	23.76	23.52	22.70	25.10	25.09	25.03
		108	54	27.12	27.03	27.28	27.37	27.39	27.37	26.41	26.35	26.24	26.91	27.01	26.97
		216	0	27.16	27.13	27.09	27.37	27.34	27.41	18.76	26.38	26.11	27.12	26.84	26.93
	64QAM	1	0	23.14	23.28	23.17	24.85	24.77	25.46	21.78	21.98	22.34	24.98	24.58	24.35
		1	1	26.27	26.33	**26.56**	26.22	26.21	26.19	24.94	25.26	25.12	26.39	26.40	26.20
		1	215	26.39	26.46	25.85	26.36	**26.39**	26.37	25.49	25.49	**25.57**	**26.50**	25.73	25.66
		1	216	23.35	23.20	22.70	25.51	25.45	24.79	22.66	22.31	21.43	24.03	24.00	23.87
		108	54	26.02	25.78	26.02	26.13	26.29	26.12	25.26	25.16	25.22	25.65	25.89	25.78
		216	0	26.00	25.89	26.04	26.35	26.22	26.17	17.51	25.11	24.92	26.04	25.58	25.71
	256QAM	1	0	22.14	22.18	22.12	23.77	23.55	24.31	20.53	20.84	21.28	23.74	23.50	23.15
		1	1	25.00	25.31	25.29	24.99	25.18	24.93	23.67	24.05	24.01	**25.36**	25.25	25.13
		1	215	25.12	**25.34**	24.75	25.17	**25.32**	25.13	**24.44**	24.40	24.39	25.36	24.48	24.51
		1	216	22.20	22.17	21.61	24.41	24.19	23.59	21.50	21.05	20.35	22.79	22.84	22.73
		108	54	24.90	24.64	24.98	24.95	25.12	25.10	24.16	23.95	24.12	24.42	24.62	24.57
		216	0	24.84	24.77	24.78	25.17	24.96	24.93	16.31	23.95	23.73	24.81	24.53	24.48

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.58	25.38	25.50	27.43	27.49	27.49	24.50	24.55	24.77	27.11	27.12	26.89
		1	1	**28.70**	28.37	**28.70**	28.61	28.52	**28.70**	**27.70**	**27.70**	27.70	**28.70**	28.68	**28.70**
		1	243	28.48	**28.70**	27.87	**28.70**	**28.70**	28.02	27.59	27.69	**27.70**	27.56	**28.70**	27.74
		1	244	25.44	25.60	24.69	27.80	27.52	26.94	24.49	24.61	23.96	25.64	26.18	26.06
		120	60	28.32	28.39	28.25	28.45	28.31	28.42	27.29	27.39	27.49	27.44	28.11	27.70
		243	0	28.39	28.42	28.20	28.60	28.39	28.42	27.32	27.35	27.37	27.44	28.12	27.67
	QPSK	1	0	25.55	25.36	25.48	27.40	27.43	27.33	24.46	24.54	24.73	27.03	27.09	26.85
		1	1	28.63	28.36	28.66	28.56	28.46	**28.68**	27.66	27.67	27.63	**28.63**	28.60	28.59
		1	243	28.44	**28.68**	27.85	28.66	28.68	28.01	27.57	**27.68**	27.63	27.52	28.55	27.69
		1	244	25.40	25.58	24.66	27.75	27.49	26.87	24.48	24.59	23.94	25.63	26.16	26.04
		120	60	28.27	28.37	28.24	28.44	28.30	28.41	27.28	27.38	27.47	27.43	28.10	27.69
		243	0	28.29	28.36	28.13	28.56	28.37	28.40	27.26	27.30	27.31	27.43	28.09	27.64
	16QAM	1	0	24.36	24.18	24.22	26.35	26.38	26.08	23.21	23.50	23.50	25.84	26.08	25.59
		1	1	27.38	27.16	27.45	27.46	27.43	27.48	26.42	26.59	26.40	27.54	**27.55**	27.52
		1	243	27.18	**27.58**	26.70	27.43	**27.68**	26.90	26.52	**26.66**	26.42	26.31	27.39	26.63
		1	244	24.38	24.44	23.56	26.63	26.48	25.78	23.36	23.41	22.94	24.43	24.99	25.00
		120	60	27.11	27.11	27.06	27.41	27.08	27.21	26.07	26.38	26.24	26.34	27.01	26.62
		243	0	27.12	27.25	26.98	27.52	27.13	27.39	26.15	26.19	26.12	26.21	26.88	26.41
	64QAM	1	0	23.19	23.11	23.13	25.34	25.32	24.84	21.94	22.40	22.45	24.69	24.98	24.35
		1	1	26.31	26.05	26.27	26.41	26.33	26.29	25.16	25.32	25.31	26.34	**26.55**	26.34
		1	243	26.18	**26.42**	25.53	26.38	**26.55**	25.83	25.25	**25.53**	25.37	25.30	26.38	25.55
		1	244	23.26	23.19	22.50	25.49	25.28	24.66	22.22	22.25	21.93	23.16	23.74	23.97
		120	60	25.90	25.99	25.98	26.19	25.93	26.03	24.90	25.38	25.17	25.31	26.00	25.46
		243	0	25.95	26.14	25.71	26.35	25.97	26.31	25.13	25.17	24.85	25.17	25.67	25.27
	256QAM	1	0	21.96	22.08	21.97	24.28	24.19	23.72	20.91	21.25	21.43	23.63	23.85	23.33
		1	1	25.08	25.04	25.03	25.15	25.25	25.11	23.95	24.20	24.18	25.21	**25.46**	25.28
		1	243	24.99	**25.27**	24.46	25.27	**25.30**	24.59	24.19	**24.52**	24.20	24.27	25.25	24.53
		1	244	22.23	22.01	21.47	24.32	24.27	23.62	20.96	20.99	20.69	21.92	22.63	22.93
		120	60	24.88	24.76	24.80	25.14	24.84	24.85	23.72	24.15	24.03	24.05	24.83	24.31
		243	0	24.70	24.90	24.53	25.14	24.89	25.04	24.03	24.17	23.80	23.93	24.53	24.18

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 9			ANT 8			ANT 4			ANT 7		
				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	25.67	25.66	25.79	27.69	27.76	27.95	24.70	24.49	24.62	27.33	27.16	25.58
		1	1	**28.70**	**28.70**	**28.70**	**28.70**	**28.70**	28.62	27.70	**27.70**	27.59	28.64	**28.70**	27.75
		1	271	28.59	28.56	27.96	28.64	28.68	**28.70**	**27.70**	27.68	**27.70**	**28.70**	27.73	28.00
		1	272	25.46	25.51	24.98	27.66	27.58	27.28	24.49	24.72	24.07	26.17	26.23	25.84
		135	67	28.31	28.03	28.30	28.64	28.37	28.70	27.45	27.19	27.49	27.86	27.96	28.68
		270	0	28.29	28.11	28.22	28.64	28.45	28.62	27.45	27.17	27.43	27.95	27.96	28.33
	QPSK	1	0	25.64	25.64	25.77	27.67	27.68	27.90	24.67	24.46	24.61	27.30	27.13	25.55
		1	1	28.67	**28.69**	28.68	28.67	28.63	28.61	**27.68**	27.66	27.53	28.52	**28.67**	27.65
		1	271	28.57	28.54	27.95	28.59	28.65	28.62	27.65	27.64	27.63	28.59	27.69	27.89
		1	272	25.45	25.49	24.95	27.62	27.57	27.25	24.47	24.70	24.06	26.14	26.20	25.81
		135	67	28.29	28.02	28.29	28.62	28.36	**28.68**	27.44	27.17	27.48	27.84	27.94	28.61
		270	0	28.27	28.06	28.16	28.62	28.43	28.61	27.40	27.11	27.37	27.94	27.94	28.19
	16QAM	1	0	24.43	24.53	24.61	26.54	26.64	26.82	23.57	23.46	23.37	26.10	26.06	24.33
		1	1	**27.64**	27.51	27.52	**27.67**	27.48	27.34	**26.67**	26.41	26.50	27.30	**27.66**	26.38
		1	271	27.53	27.34	26.83	27.49	27.65	27.52	26.39	26.63	26.58	27.33	26.56	26.71
		1	272	24.26	24.47	23.80	26.37	26.41	26.11	23.35	23.69	23.05	25.07	25.16	24.68
		135	67	27.15	26.93	27.03	27.36	27.10	27.63	26.28	26.12	26.38	26.69	26.88	27.54
		270	0	27.04	27.02	26.90	27.40	27.35	27.58	26.33	25.85	26.14	26.90	26.81	27.05
	64QAM	1	0	23.30	23.45	23.41	25.47	25.37	25.59	22.57	22.28	22.12	24.89	24.98	23.31
		1	1	**26.44**	26.38	26.43	26.42	26.30	26.22	25.47	25.24	25.44	26.29	26.40	25.34
		1	271	26.29	26.27	25.79	26.44	**26.64**	26.29	25.15	**25.59**	25.37	26.20	25.51	25.68
		1	272	23.23	23.36	22.69	25.20	25.32	25.10	22.35	22.67	21.81	23.90	24.16	23.65
		135	67	26.00	25.72	25.77	26.26	26.00	26.59	25.15	24.86	25.13	25.46	25.88	**26.47**
		270	0	25.83	25.77	25.74	26.28	26.09	26.53	25.10	24.62	25.08	25.89	25.69	25.78
	256QAM	1	0	22.11	22.26	22.24	24.27	24.15	24.38	21.57	21.24	20.86	23.67	23.90	22.19
		1	1	**25.42**	25.20	25.25	25.37	25.30	25.09	**24.47**	23.99	24.38	25.07	25.26	24.21
		1	271	25.24	25.08	24.64	25.27	**25.62**	25.08	24.14	24.46	24.12	24.95	24.40	24.57
		1	272	22.06	22.30	21.43	23.97	24.17	23.90	21.23	21.67	20.71	22.69	22.89	22.42
		135	67	24.73	24.53	24.69	25.19	24.89	25.47	24.10	23.63	24.01	24.22	24.64	**25.32**
		270	0	24.65	24.71	24.61	25.21	25.02	25.46	23.86	23.57	23.86	24.76	24.69	24.73

8.4. 5G NR n77 (FCC Part 27 3700-3980MHz, MIMO)

Test Engineer ID:	27342	Test Date:	2024-01-11

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
10.0	BPSK	1	0	25.36	25.45	25.24	25.44	25.45	25.46	28.41	28.46	28.36
		1	1	28.42	**28.70**	28.51	**28.70**	28.67	28.64	31.57	31.70	31.58
		1	22	**28.70**	28.63	**28.70**	28.56	**28.70**	**28.70**	31.64	31.68	**31.71**
		1	23	25.39	25.50	25.31	25.42	25.42	25.48	28.42	28.47	28.40
		12	6	28.38	28.38	28.19	28.40	28.42	28.37	31.40	31.41	31.29
		24	0	28.36	28.35	28.17	28.38	28.39	28.35	31.38	31.38	31.27
	QPSK	1	0	25.41	25.39	25.17	25.33	25.45	25.35	28.38	28.43	28.27
		1	1	28.58	28.64	28.48	27.97	28.16	**28.43**	31.30	31.42	31.46
		1	22	**28.65**	28.55	28.60	27.93	28.03	28.39	31.31	31.31	**31.51**
		1	23	25.45	25.55	25.34	25.43	25.47	25.47	28.45	28.52	28.42
		12	6	28.00	27.96	27.93	27.19	27.72	27.50	30.62	30.86	30.73
		24	0	27.98	27.93	27.91	27.17	27.69	27.48	30.60	30.83	30.71
	16QAM	1	0	25.37	25.30	25.15	25.31	25.42	25.32	28.35	28.37	28.25
		1	1	27.96	**27.97**	27.69	27.13	27.30	27.58	30.58	30.66	30.64
		1	22	27.93	27.94	27.80	27.12	27.15	**27.71**	30.55	30.57	**30.77**
		1	23	25.40	25.22	25.25	25.31	25.37	25.34	28.37	28.31	28.31
		12	6	26.82	26.90	26.79	26.47	26.83	26.72	29.66	29.87	29.77
		24	0	26.80	26.87	26.77	26.45	26.80	26.70	29.64	29.84	29.75
	64QAM	1	0	25.26	25.28	25.11	25.39	25.38	25.25	28.34	28.34	28.19
		1	1	26.41	26.42	26.20	25.73	26.00	26.47	29.09	29.22	29.35
		1	22	**26.47**	26.44	26.27	25.80	25.82	**26.57**	29.16	29.15	**29.43**
		1	23	25.35	25.31	25.19	25.41	25.36	25.33	28.39	28.34	28.27
		12	6	26.32	26.38	26.30	25.92	26.40	26.39	29.13	29.40	29.36
		24	0	26.30	26.35	26.28	25.90	26.37	26.37	29.11	29.37	29.34
	256QAM	1	0	**24.45**	24.31	24.08	24.14	24.29	24.30	27.30	27.31	27.20
		1	1	24.32	24.32	24.23	24.24	24.23	24.40	27.29	27.29	27.33
		1	22	24.36	24.29	24.27	24.15	24.17	24.48	27.27	27.24	27.39
		1	23	24.27	24.36	24.27	24.12	24.15	**24.50**	27.21	27.27	**27.40**
		12	6	24.34	24.38	24.24	24.30	24.36	24.35	27.33	27.38	27.30
		24	0	24.32	24.35	24.22	24.28	24.33	24.33	27.31	27.35	27.28

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				647166	656000	664833	647166	656000	664833	647166	656000	664833
				3707.5	3840.0	3972.5	3707.5	3840.0	3972.5	3707.5	3840.0	3972.5
15.0	BPSK	1	0	22.98	22.95	22.93	22.87	23.14	22.88	25.93	26.06	25.92
		1	1	**28.70**	28.57	**28.70**	**28.70**	28.65	**28.70**	**31.71**	31.62	**31.71**
		1	36	28.64	**28.70**	28.65	28.24	**28.70**	28.65	31.46	**31.71**	31.66
		1	37	22.86	22.72	22.91	22.79	22.98	22.82	25.84	25.86	25.87
		18	9	28.57	28.54	28.60	28.43	28.34	28.63	31.51	31.45	31.62
		36	0	26.86	26.78	26.75	26.79	26.97	26.77	29.83	29.89	29.77
	QPSK	1	0	22.41	22.49	22.34	22.38	22.70	22.40	25.41	25.61	25.38
		1	1	28.64	28.40	28.60	27.59	27.82	**28.51**	31.16	31.13	**31.56**
		1	36	28.54	28.48	**28.68**	27.51	27.51	28.31	31.07	31.03	31.51
		1	37	22.35	22.19	22.27	22.36	22.46	22.40	25.36	25.34	25.35
		18	9	28.68	28.59	28.56	27.81	28.43	28.33	31.28	31.52	31.46
		36	0	26.35	26.39	26.43	26.47	26.59	26.39	29.42	29.50	29.42
	16QAM	1	0	22.22	22.43	22.35	22.15	22.51	22.73	25.19	25.48	25.55
		1	1	27.36	**27.51**	27.49	26.64	27.10	**27.86**	30.02	30.32	**30.69**
		1	36	27.32	27.31	27.45	26.53	26.64	27.69	29.95	30.00	30.58
		1	37	22.24	22.20	22.29	22.25	22.37	22.71	25.25	25.30	25.52
		18	9	27.28	27.29	27.49	26.88	27.55	27.51	30.09	30.43	30.51
		36	0	25.29	25.38	25.37	25.25	25.49	25.83	28.28	28.44	28.61
	64QAM	1	0	22.26	22.39	22.41	22.17	22.48	22.98	25.23	25.44	25.72
		1	1	25.30	25.27	25.46	25.17	25.37	**26.08**	28.24	28.33	**28.79**
		1	36	25.36	25.16	**25.47**	25.13	25.06	25.88	28.26	28.12	28.69
		1	37	22.13	22.03	22.32	22.26	22.17	22.81	25.21	25.11	25.58
		18	9	25.25	25.19	25.45	25.25	25.36	25.85	28.26	28.29	28.67
		36	0	24.71	24.67	24.95	24.69	24.93	25.36	27.71	27.81	28.17
	256QAM	1	0	22.23	22.22	22.54	22.19	22.45	**22.99**	25.22	25.35	**25.78**
		1	1	22.46	22.33	**22.57**	22.27	22.48	22.93	25.38	25.42	25.77
		1	36	22.18	22.22	22.44	22.15	22.41	22.81	25.18	25.33	25.64
		1	37	22.34	22.11	22.42	22.25	22.26	22.93	25.30	25.20	25.69
		18	9	22.20	22.16	22.36	22.09	22.33	22.81	25.16	25.26	25.60
		36	0	22.18	22.11	22.49	22.10	22.37	22.91	25.15	25.25	25.71

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
20.0	BPSK	1	0	22.52	26.00	25.87	22.78	25.55	25.50	25.66	28.79	28.70
		1	1	**28.70**	28.62	28.63	**28.70**	**28.70**	**28.70**	**31.71**	31.67	31.68
		1	49	28.63	**28.70**	**28.70**	27.74	28.29	28.66	31.22	31.51	31.69
		1	50	22.49	24.79	25.16	22.57	24.87	25.09	25.54	27.84	28.13
		25	12	26.66	28.55	28.57	26.80	28.19	28.32	29.74	31.39	31.46
		50	0	26.64	28.52	28.55	26.78	28.16	28.30	29.72	31.36	31.44
	QPSK	1	0	23.05	25.31	25.27	23.13	25.13	25.25	26.10	28.23	28.27
		1	1	**28.69**	28.56	28.42	27.90	28.00	28.44	31.32	31.30	31.44
		1	49	28.69	28.45	28.51	**28.63**	27.82	28.30	**31.67**	31.16	31.42
		1	50	22.82	25.00	25.48	23.05	24.83	25.15	25.95	27.92	28.33
		25	12	27.23	27.92	28.16	27.34	27.25	27.67	30.29	30.61	30.94
		50	0	27.21	27.89	28.14	27.32	27.22	27.65	30.27	30.58	30.92
	16QAM	1	0	22.45	25.21	25.60	22.52	24.83	25.34	25.50	28.03	28.48
		1	1	27.57	**28.19**	27.90	26.84	27.57	**28.00**	30.23	30.90	30.96
		1	49	27.41	28.00	28.00	26.80	27.25	27.97	30.13	30.65	**31.00**
		1	50	22.30	25.44	24.95	22.49	24.94	25.08	25.40	28.21	28.02
		25	12	25.52	26.91	27.15	25.61	26.53	26.90	28.58	29.73	30.03
		50	0	25.50	26.88	27.13	25.59	26.50	26.88	28.56	29.70	30.01
	64QAM	1	0	22.16	25.50	25.67	22.56	25.04	25.37	25.37	28.29	28.53
		1	1	25.44	26.45	**26.64**	25.38	25.80	26.26	28.42	29.15	29.46
		1	49	25.46	26.15	26.59	25.23	25.73	**26.40**	28.36	28.95	**29.51**
		1	50	22.24	24.69	25.51	22.48	24.50	25.25	25.37	27.61	28.39
		25	12	24.98	26.11	26.50	25.07	26.02	26.29	28.04	29.08	29.40
		50	0	24.96	26.08	26.48	25.05	25.99	26.27	28.02	29.05	29.38
	256QAM	1	0	22.46	23.71	24.45	22.63	23.74	24.28	25.56	26.74	27.38
		1	1	22.40	24.14	24.55	22.61	23.90	24.20	25.51	27.03	27.39
		1	49	22.49	23.96	24.57	22.53	23.60	24.23	25.52	26.80	27.41
		1	50	22.44	24.12	**24.76**	22.42	23.43	24.32	25.44	26.80	27.56
		25	12	22.33	24.43	24.69	22.51	24.02	**24.43**	25.43	27.24	**27.57**
		50	0	22.31	24.40	24.67	22.49	23.99	24.41	25.41	27.21	27.55

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				647500	656000	664500	647500	656000	664500	647500	656000	664500
				3712.5	3840.0	3967.5	3712.5	3840.0	3967.5	3712.5	3840.0	3967.5
25.0	BPSK	1	0	25.55	24.99	24.69	25.43	25.58	25.05	28.50	28.30	27.88
		1	1	28.64	**28.70**	27.84	28.62	28.49	**28.70**	31.64	31.60	31.30
		1	63	**28.70**	28.34	**28.70**	**28.70**	28.22	28.50	**31.71**	31.29	31.61
		1	64	25.56	25.02	25.14	25.54	25.35	25.49	28.56	28.20	28.33
		32	16	28.56	28.46	28.30	28.59	**28.70**	28.41	31.58	31.59	31.37
		64	0	28.54	28.43	28.28	28.57	28.67	28.39	31.56	31.56	31.35
	QPSK	1	0	25.53	25.33	24.79	25.48	26.05	25.11	28.51	28.71	27.97
		1	1	28.22	**28.52**	27.76	28.29	**28.63**	28.04	31.26	**31.59**	30.92
		1	63	28.34	28.28	28.04	28.56	28.10	28.26	31.47	31.20	31.16
		1	64	25.68	25.22	25.01	25.61	25.65	25.41	28.66	28.45	28.23
		32	16	28.16	27.92	27.29	27.90	27.94	27.48	31.04	30.94	30.40
		64	0	28.14	27.89	27.27	27.88	27.91	27.46	31.02	30.91	30.38
	16QAM	1	0	25.64	25.02	24.36	25.58	25.89	24.95	28.62	28.49	27.68
		1	1	**28.02**	27.23	26.72	27.38	26.88	27.10	30.72	30.07	29.93
		1	63	27.97	26.95	27.20	**27.45**	26.82	27.29	**30.73**	29.89	30.25
		1	64	24.75	24.85	24.44	25.00	25.37	24.87	27.89	28.13	27.67
		32	16	26.78	26.70	26.13	26.44	27.11	26.41	29.62	29.92	29.28
		64	0	26.76	26.67	26.11	26.42	27.08	26.39	29.60	29.89	29.26
	64QAM	1	0	25.20	25.26	24.41	25.20	25.82	24.80	28.21	28.56	27.62
		1	1	26.20	25.66	25.69	25.40	25.85	25.75	28.83	28.76	28.73
		1	63	**26.26**	25.69	25.77	25.79	25.77	26.03	29.04	28.74	28.91
		1	64	25.29	24.65	24.84	25.21	25.37	25.00	28.26	28.03	27.93
		32	16	26.20	25.98	25.58	25.91	**26.46**	25.95	29.07	**29.24**	28.78
		64	0	26.18	25.95	25.56	25.89	26.43	25.93	29.05	29.21	28.76
	256QAM	1	0	24.12	24.12	23.65	23.68	24.43	23.90	26.92	**27.29**	26.79
		1	1	23.85	24.04	23.52	23.50	**24.47**	23.79	26.69	27.27	26.67
		1	63	24.08	23.53	23.70	23.90	24.24	24.08	27.00	26.91	26.91
		1	64	**24.12**	23.77	23.53	23.83	24.12	24.01	26.99	26.96	26.78
		32	16	24.00	23.85	23.62	23.86	24.37	24.08	26.94	27.12	26.87
		64	0	23.98	23.82	23.60	23.84	24.34	24.06	26.92	27.09	26.85

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
30.0	BPSK	1	0	25.15	25.48	24.98	25.33	25.48	24.89	28.25	28.49	27.95
		1	1	28.39	**28.70**	28.14	28.61	**28.70**	28.25	31.52	**31.71**	31.21
		1	76	**28.70**	28.36	**28.70**	**28.70**	28.34	**28.70**	**31.71**	31.36	**31.71**
		1	77	25.44	24.93	25.22	25.44	24.93	25.16	28.45	27.94	28.20
		36	18	28.24	28.29	28.38	28.36	28.18	28.20	31.31	31.25	31.31
		75	0	28.22	28.26	28.36	28.34	28.15	28.18	31.29	31.22	31.29
	QPSK	1	0	24.92	25.39	25.18	25.22	25.36	25.19	28.08	28.39	28.20
		1	1	28.40	28.40	28.25	27.69	27.87	28.44	31.07	31.15	31.36
		1	76	**28.61**	28.07	28.58	27.93	27.31	**28.47**	31.30	30.71	**31.54**
		1	77	25.34	25.00	25.40	25.46	24.78	25.43	28.41	27.91	28.42
		36	18	27.61	27.76	28.06	27.32	27.19	27.99	30.47	30.49	31.04
		75	0	27.59	27.73	28.04	27.30	27.16	27.97	30.45	30.46	31.02
	16QAM	1	0	25.19	25.40	24.93	25.34	25.17	25.44	28.28	28.30	28.20
		1	1	27.47	27.82	27.88	27.08	27.03	**28.17**	30.29	30.46	**31.04**
		1	76	27.67	27.23	**27.99**	27.34	26.54	27.84	30.52	29.91	30.93
		1	77	25.56	24.82	25.40	25.61	24.57	25.22	28.60	27.70	28.32
		36	18	26.76	26.47	26.78	26.59	26.35	26.72	29.68	29.42	29.76
		75	0	26.74	26.44	26.76	26.57	26.32	26.70	29.66	29.39	29.74
	64QAM	1	0	25.12	24.99	25.05	25.13	25.15	25.18	28.14	28.08	28.12
		1	1	26.05	26.17	25.88	25.53	25.37	25.98	28.81	28.80	28.94
		1	76	**26.36**	25.84	26.05	25.75	25.29	26.04	29.07	28.59	29.05
		1	77	25.24	24.87	24.83	25.41	24.75	25.11	28.34	27.82	27.98
		36	18	26.25	25.98	26.04	26.15	**26.20**	26.02	**29.21**	29.10	29.04
		75	0	26.23	25.95	26.02	26.13	26.17	26.00	29.19	29.07	29.02
	256QAM	1	0	**24.31**	24.15	23.80	24.05	23.92	24.05	27.19	27.05	26.94
		1	1	24.09	24.03	23.96	24.21	23.87	24.21	27.16	26.96	27.10
		1	76	24.12	23.25	24.11	24.20	23.59	24.17	27.17	26.43	27.15
		1	77	24.20	23.79	24.18	24.25	23.35	24.32	27.23	26.58	27.26
		36	18	24.20	23.85	24.01	**24.36**	23.67	24.08	**27.29**	26.77	27.05
		75	0	24.18	23.82	23.99	24.34	23.64	24.06	27.27	26.74	27.03

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
40.0	BPSK	1	0	25.37	25.57	25.14	25.48	25.48	25.30	28.43	28.53	28.23
		1	1	**28.70**	**28.70**	28.47	28.59	**28.70**	28.53	31.66	**31.71**	31.51
		1	104	28.54	28.12	**28.70**	**28.70**	27.97	**28.70**	31.63	31.06	**31.71**
		1	105	25.31	24.59	25.61	25.33	24.41	25.52	28.33	27.51	28.57
		50	25	28.55	28.54	28.65	28.56	28.38	28.69	31.56	31.47	31.68
		100	0	28.53	28.51	28.63	28.54	28.35	28.68	31.54	31.44	31.67
	QPSK	1	0	25.05	25.41	25.26	25.31	25.24	25.32	28.20	28.33	28.30
		1	1	28.53	**28.69**	28.36	28.32	28.37	**28.61**	31.43	31.54	31.50
		1	104	28.62	27.96	28.58	28.51	27.65	28.54	**31.58**	30.82	31.57
		1	105	25.35	24.98	25.36	25.51	24.62	25.40	28.44	27.81	28.39
		50	25	28.02	27.90	27.92	27.98	27.47	28.05	31.01	30.70	30.99
		100	0	28.00	27.87	27.90	27.96	27.44	28.03	30.99	30.67	30.97
	16QAM	1	0	24.96	25.56	25.21	25.56	25.22	25.19	28.28	28.40	28.21
		1	1	27.94	27.97	27.69	27.52	27.51	27.92	30.74	30.76	30.81
		1	104	**28.08**	27.63	28.07	27.71	27.08	**28.02**	30.91	30.37	**31.06**
		1	105	25.24	24.80	25.59	25.36	24.58	25.42	28.31	27.70	28.51
		50	25	26.57	26.85	26.92	27.07	26.73	26.98	29.83	29.80	29.96
		100	0	26.55	26.82	26.90	27.05	26.70	26.96	29.81	29.77	29.94
	64QAM	1	0	25.20	25.56	25.24	25.51	25.49	25.24	28.37	28.53	28.25
		1	1	26.10	26.44	26.12	26.04	26.04	26.33	29.08	29.26	29.24
		1	104	26.65	25.82	**26.66**	26.27	25.33	26.40	29.47	28.59	29.54
		1	105	25.56	24.76	25.46	25.64	24.34	25.55	28.61	27.57	28.51
		50	25	26.57	26.27	26.48	**26.54**	26.10	26.48	**29.57**	29.20	29.49
		100	0	26.55	26.24	26.46	26.52	26.07	26.46	29.55	29.17	29.47
	256QAM	1	0	24.49	24.44	24.23	24.48	24.38	24.11	27.49	27.42	27.18
		1	1	24.14	**24.58**	24.24	24.24	24.23	24.19	27.20	27.42	27.22
		1	104	24.46	23.69	24.55	24.55	23.64	24.49	27.52	26.68	27.53
		1	105	24.50	23.96	24.47	24.54	23.59	**24.58**	27.53	26.79	**27.54**
		50	25	24.51	24.22	24.40	24.45	23.98	24.41	27.49	27.11	27.41
		100	0	24.49	24.19	24.38	24.43	23.95	24.39	27.47	27.08	27.39

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
50.0	BPSK	1	0	25.52	25.49	25.42	25.52	25.45	25.39	28.53	28.48	28.42
		1	1	**28.70**	**28.70**	28.59	28.64	**28.70**	**28.70**	31.68	**31.71**	31.65
		1	131	28.61	27.96	**28.70**	**28.70**	27.85	28.60	31.67	30.92	31.66
		1	132	25.38	24.65	25.46	25.55	24.51	25.57	28.48	27.59	28.53
		64	32	28.57	28.24	28.64	28.66	28.10	28.58	31.63	31.18	31.62
		128	0	28.55	28.21	28.62	28.68	28.07	28.56	31.63	31.15	31.60
	QPSK	1	0	25.37	25.40	25.33	25.57	25.43	25.46	28.48	28.43	28.41
		1	1	28.61	28.42	28.57	28.26	28.17	28.66	31.45	31.31	31.63
		1	131	**28.68**	27.78	28.64	28.46	27.45	**28.69**	31.58	30.63	**31.68**
		1	132	25.52	24.42	25.44	25.45	24.46	25.48	28.50	27.45	28.47
		64	32	28.16	27.43	28.08	28.01	27.23	27.97	31.09	30.34	31.04
		128	0	28.14	27.40	28.06	27.99	27.20	27.95	31.07	30.31	31.02
	16QAM	1	0	25.11	25.30	24.95	25.42	25.41	25.17	28.28	28.37	28.07
		1	1	27.95	27.84	27.60	27.50	27.49	27.67	30.74	30.68	30.64
		1	131	**28.15**	26.81	27.63	27.74	26.84	**27.75**	**30.96**	29.84	30.70
		1	132	25.11	24.48	25.07	25.25	24.41	24.97	28.19	27.46	28.03
		64	32	27.01	26.38	26.73	27.03	26.33	26.59	30.03	29.37	29.67
		128	0	26.99	26.35	26.71	27.01	26.30	26.57	30.01	29.34	29.65
	64QAM	1	0	25.56	25.39	25.13	25.50	25.24	24.98	28.54	28.33	28.07
		1	1	26.37	26.29	26.24	26.18	25.85	26.22	29.29	29.09	29.24
		1	131	**26.65**	25.53	26.27	26.42	25.18	26.23	**29.55**	28.37	29.26
		1	132	25.32	24.51	25.20	25.59	24.39	25.16	28.46	27.46	28.19
		64	32	26.45	25.78	26.41	**26.50**	25.73	26.38	29.49	28.76	29.41
		128	0	26.43	25.75	26.39	26.48	25.70	26.36	29.47	28.73	29.39
	256QAM	1	0	24.37	23.90	24.07	24.54	24.06	24.31	27.47	26.99	27.20
		1	1	24.24	24.10	24.41	24.39	24.23	24.16	27.32	27.18	27.29
		1	131	**24.74**	23.54	24.57	**24.76**	23.28	24.44	**27.76**	26.42	27.51
		1	132	24.36	23.49	24.61	24.15	23.56	24.57	27.27	26.54	27.60
		64	32	24.44	23.76	24.52	24.46	23.69	24.50	27.46	26.74	27.52
		128	0	24.42	23.73	24.50	24.44	23.66	24.48	27.44	26.71	27.50

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
60.0	BPSK	1	0	25.33	25.14	24.90	25.31	25.58	25.03	28.33	28.38	27.98
		1	1	28.47	**28.70**	28.28	28.60	**28.70**	28.47	31.55	**31.71**	31.38
		1	160	**28.70**	27.68	**28.70**	**28.70**	27.79	**28.70**	**31.71**	30.74	**31.71**
		1	161	25.74	24.73	25.41	25.58	24.87	25.36	28.67	27.81	28.39
		81	40	28.63	28.14	28.59	28.64	28.49	28.54	31.65	31.33	31.58
		162	0	28.68	28.11	28.68	28.62	28.46	28.52	31.66	31.30	31.61
	QPSK	1	0	25.48	25.61	25.20	25.47	25.74	25.45	28.49	28.69	28.33
		1	1	28.66	28.61	28.22	28.09	28.04	27.92	31.40	31.35	31.08
		1	160	**28.67**	28.07	28.49	**28.39**	27.27	28.01	**31.54**	30.70	31.27
		1	161	25.69	24.86	25.28	25.67	25.20	25.27	28.69	28.05	28.28
		81	40	28.29	27.52	28.01	28.03	27.29	27.36	31.17	30.42	30.71
		162	0	28.27	27.49	27.99	28.01	27.26	27.34	31.15	30.39	30.69
	16QAM	1	0	25.56	25.27	24.94	25.32	25.36	25.02	28.45	28.32	27.99
		1	1	27.85	27.55	27.65	27.25	26.61	27.30	30.57	30.12	30.49
		1	160	**28.21**	26.88	27.90	27.57	25.84	**27.66**	**30.91**	29.40	30.79
		1	161	25.68	24.25	25.22	25.47	24.63	24.86	28.58	27.45	28.05
		81	40	26.84	26.32	26.71	26.83	26.28	26.61	29.84	29.31	29.67
		162	0	26.82	26.29	26.69	26.81	26.25	26.59	29.82	29.28	29.65
	64QAM	1	0	25.53	25.21	24.75	25.48	25.32	25.10	28.52	28.28	27.94
		1	1	26.42	26.24	25.74	26.26	25.48	25.94	29.35	28.88	28.85
		1	160	26.49	25.74	25.89	26.03	25.03	25.83	29.27	28.41	28.87
		1	161	25.26	24.48	25.21	25.23	24.76	25.11	28.25	27.63	28.17
		81	40	**26.51**	25.93	25.99	**26.49**	26.18	25.85	**29.51**	29.07	28.93
		162	0	26.49	25.90	25.97	26.47	26.15	25.83	29.49	29.04	28.91
	256QAM	1	0	24.30	**24.37**	23.96	**24.51**	24.29	24.01	**27.42**	27.34	27.00
		1	1	24.19	24.26	23.57	24.07	24.15	24.10	27.14	27.22	26.85
		1	160	23.77	23.26	23.72	23.94	23.53	23.94	26.87	26.41	26.84
		1	161	24.16	23.39	23.82	23.90	23.23	23.91	27.04	26.32	26.88
		81	40	24.22	23.41	23.92	24.16	23.79	23.99	27.20	26.62	26.96
		162	0	24.20	23.38	23.90	24.14	23.76	23.97	27.18	26.59	26.94

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
70.0	BPSK	1	0	25.25	25.43	24.84	26.45	26.92	26.65	28.90	29.25	28.85
		1	1	28.15	**28.70**	27.90	**28.70**	**28.70**	28.08	31.44	**31.71**	31.00
		1	187	**28.70**	27.84	**28.70**	26.96	26.37	**28.70**	30.93	30.17	**31.71**
		1	188	25.32	24.52	25.13	26.45	26.09	26.72	28.93	28.38	29.01
		90	45	28.57	28.63	28.30	27.17	27.50	28.48	30.94	31.11	31.40
		180	0	28.68	28.60	28.28	28.68	28.67	28.68	31.69	31.64	31.50
	QPSK	1	0	25.03	25.44	24.82	25.56	25.70	26.32	28.31	28.58	28.65
		1	1	28.00	**28.39**	27.92	26.37	26.62	27.10	30.27	30.61	30.54
		1	187	28.07	27.50	28.39	26.50	25.50	27.62	30.36	29.62	31.03
		1	188	25.38	24.69	25.11	25.77	24.76	26.68	28.59	27.74	28.98
		90	45	28.18	27.79	27.58	27.92	28.16	**28.21**	**31.06**	30.99	30.92
		180	0	28.16	27.76	27.56	27.90	28.13	28.19	31.04	30.96	30.90
	16QAM	1	0	25.19	25.60	24.97	24.95	25.07	25.62	28.08	28.35	28.31
		1	1	27.36	**27.79**	27.28	25.61	26.06	26.34	29.59	30.02	29.84
		1	187	27.57	27.19	27.40	25.83	25.03	26.60	29.80	29.25	30.03
		1	188	25.29	24.75	24.84	25.17	24.19	26.18	28.24	27.49	28.57
		90	45	27.15	26.53	26.44	27.25	27.22	**28.25**	30.21	29.90	**30.45**
		180	0	27.13	26.50	26.42	27.23	27.19	28.23	30.19	29.87	30.43
	64QAM	1	0	25.32	25.38	25.01	24.63	24.24	25.11	28.00	27.86	28.07
		1	1	26.24	26.20	25.77	24.57	24.87	25.21	28.49	28.60	28.51
		1	187	**26.31**	25.56	25.90	24.73	23.82	25.78	28.60	27.79	28.85
		1	188	24.90	24.61	24.95	24.44	23.46	25.74	27.68	27.08	28.38
		90	45	26.25	26.08	26.01	26.42	26.95	**27.70**	29.35	29.55	**29.95**
		180	0	26.23	26.05	25.99	26.40	26.92	27.68	29.33	29.52	29.93
	256QAM	1	0	23.77	24.43	23.70	22.70	22.84	23.97	26.28	26.72	26.85
		1	1	24.10	24.37	23.64	23.06	22.95	23.85	26.62	26.73	26.76
		1	187	24.28	23.56	24.03	23.29	22.35	24.51	26.82	26.01	**27.29**
		1	188	24.42	23.34	23.80	23.51	22.81	**24.59**	27.00	26.09	27.23
		90	45	**24.44**	24.17	23.68	23.14	22.99	24.30	26.85	26.63	27.01
		180	0	24.42	24.14	23.66	23.12	22.96	24.28	26.83	26.60	26.99

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
80.0	BPSK	1	0	25.22	25.34	24.90	26.36	26.92	26.38	28.84	29.21	28.72
		1	1	28.45	**28.70**	28.15	26.85	**28.70**	28.07	30.73	**31.71**	31.12
		1	215	**28.70**	28.09	**28.70**	**28.70**	26.58	**28.70**	**31.71**	30.41	**31.71**
		1	216	25.14	24.70	25.47	26.41	25.95	26.73	28.84	28.38	29.15
		108	54	28.67	28.53	28.69	27.31	27.55	28.45	31.05	31.08	31.58
		216	0	28.65	28.50	28.67	28.68	28.67	28.68	31.68	31.60	31.68
	QPSK	1	0	24.83	25.52	25.23	25.21	26.28	26.04	28.04	28.93	28.66
		1	1	27.93	28.42	28.33	26.10	26.75	27.13	30.12	30.68	30.78
		1	215	28.17	27.55	**28.67**	26.17	25.74	27.70	30.29	29.75	**31.22**
		1	216	25.36	24.34	25.26	25.61	25.26	26.70	28.50	27.83	29.05
		108	54	27.67	27.52	27.79	27.15	**28.04**	27.85	30.42	30.80	30.83
		216	0	27.65	27.49	27.77	27.13	28.01	27.83	30.40	30.77	30.81
	16QAM	1	0	24.70	25.57	25.10	24.15	24.56	25.05	27.45	28.11	28.09
		1	1	27.29	27.10	27.37	25.21	25.78	26.36	29.38	29.50	29.90
		1	215	26.96	26.60	**28.25**	25.11	24.71	27.43	29.14	28.77	**30.87**
		1	216	24.87	24.35	25.47	24.69	24.41	26.53	27.79	27.39	29.04
		108	54	26.65	26.57	26.58	26.47	27.53	**27.89**	29.57	30.09	30.29
		216	0	26.63	26.54	26.56	26.45	27.50	27.87	29.55	30.06	30.27
	64QAM	1	0	25.06	25.42	24.78	24.38	24.54	24.75	27.74	28.01	27.78
		1	1	25.52	**26.36**	25.73	24.25	24.43	24.85	27.94	28.52	28.32
		1	215	26.05	25.09	26.26	24.37	23.72	26.09	28.30	27.47	29.19
		1	216	24.91	24.37	25.65	24.23	23.78	26.01	27.59	27.09	28.84
		108	54	26.07	25.96	25.73	26.08	**27.14**	26.64	29.08	**29.60**	29.22
		216	0	26.05	25.93	25.71	26.06	27.11	26.62	29.06	29.57	29.20
	256QAM	1	0	23.97	24.38	23.98	22.68	23.31	23.40	26.38	26.89	26.71
		1	1	24.35	**24.59**	23.81	22.94	23.32	23.76	26.71	27.01	26.79
		1	215	24.44	23.40	24.39	23.11	22.63	**24.67**	26.84	26.04	**27.54**
		1	216	24.11	23.31	24.30	23.21	22.44	24.33	26.70	25.91	27.33
		108	54	23.91	23.55	23.89	22.48	22.55	24.10	26.26	26.09	27.00
		216	0	23.89	23.52	23.87	22.46	22.52	24.08	26.24	26.06	26.98

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
90.0	BPSK	1	0	25.25	25.83	25.25	26.75	27.05	26.34	29.07	29.49	28.84
		1	1	28.57	**28.70**	28.25	27.37	**28.70**	27.91	31.02	**31.71**	31.09
		1	243	**28.70**	27.95	**28.70**	**28.70**	26.68	**28.70**	**31.71**	30.37	**31.71**
		1	244	25.40	25.07	24.86	26.90	26.04	26.52	29.23	28.60	28.78
		120	60	28.55	28.48	28.40	27.59	27.78	28.13	31.10	31.16	31.28
		243	0	28.53	28.45	28.38	28.68	28.67	28.68	31.61	31.57	31.54
	QPSK	1	0	25.40	26.12	25.10	25.78	25.63	25.93	28.60	28.89	28.55
		1	1	28.25	**28.61**	28.36	26.61	26.81	27.03	30.52	30.81	30.75
		1	243	28.15	27.75	28.48	26.71	25.73	27.71	30.50	29.87	**31.12**
		1	244	25.07	24.45	25.19	25.65	24.92	26.39	28.38	27.70	28.84
		120	60	27.72	27.76	27.77	27.63	27.86	**28.07**	30.69	30.82	30.93
		243	0	27.70	27.73	27.75	27.61	27.83	28.05	30.67	30.79	30.91
	16QAM	1	0	24.75	25.21	24.96	24.46	24.40	24.70	27.62	27.83	27.84
		1	1	27.19	27.59	27.62	25.70	26.04	26.19	29.52	29.89	29.97
		1	243	27.29	27.52	**27.74**	25.75	25.38	27.58	29.60	29.59	**30.67**
		1	244	24.53	24.69	25.39	25.17	24.41	26.44	27.88	27.56	28.95
		120	60	26.66	26.87	26.48	27.02	**27.65**	27.37	29.86	30.29	29.96
		243	0	26.64	26.84	26.46	27.00	27.62	27.35	29.84	30.26	29.94
	64QAM	1	0	24.93	26.22	24.10	24.65	24.46	25.25	27.80	28.44	27.72
		1	1	25.53	**26.50**	26.06	24.51	24.65	25.24	28.06	28.69	28.68
		1	243	26.24	25.57	26.39	24.70	23.97	26.45	28.54	27.85	29.43
		1	244	24.83	24.42	25.09	24.81	24.12	25.84	27.83	27.28	28.49
		120	60	26.17	25.95	25.86	26.44	**26.91**	26.72	29.32	**29.47**	29.32
		243	0	26.15	25.92	25.84	26.42	26.88	26.70	29.30	29.44	29.30
	256QAM	1	0	24.01	24.58	24.18	23.20	23.06	24.19	26.63	26.90	27.19
		1	1	23.88	**24.68**	24.02	23.10	23.34	24.23	26.52	27.07	27.14
		1	243	23.90	23.50	24.42	23.24	23.13	25.18	26.59	26.33	27.83
		1	244	24.21	23.59	24.45	23.16	22.99	**25.35**	26.72	26.31	**27.93**
		120	60	24.08	24.23	23.99	23.22	23.06	24.78	26.68	26.70	27.41
		243	0	24.06	24.20	23.97	23.20	23.03	24.76	26.66	26.67	27.39

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)								
				ANT 9			ANT 8			ANT 9+8		
				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
100.0	BPSK	1	0	25.39	25.75	25.70	26.27	26.53	25.94	28.86	29.17	28.83
		1	1	28.45	**28.70**	28.61	**28.70**	**28.70**	27.94	31.59	**31.71**	31.30
		1	271	**28.70**	27.70	**28.70**	27.92	27.31	**28.70**	31.34	30.52	**31.71**
		1	272	25.39	24.18	25.54	26.56	24.95	25.61	29.03	27.59	28.59
		135	67	28.42	27.80	28.26	28.13	27.93	28.46	31.29	30.88	31.37
		270	0	28.40	27.77	28.24	28.68	28.67	28.44	31.55	31.25	31.35
	QPSK	1	0	25.37	25.49	25.30	26.25	26.25	25.67	28.84	28.90	28.50
		1	1	28.34	**28.67**	28.56	27.03	27.27	26.61	30.74	31.04	30.70
		1	271	28.20	27.29	28.37	26.65	26.50	**27.88**	30.50	29.92	**31.14**
		1	272	25.18	24.34	24.93	25.98	25.55	25.83	28.61	28.00	28.41
		135	67	27.72	27.64	27.82	27.46	27.22	27.53	30.60	30.45	30.68
		270	0	27.70	27.61	27.80	27.44	27.19	27.51	30.58	30.42	30.66
	16QAM	1	0	25.25	25.66	25.07	25.03	25.20	25.01	28.15	28.44	28.05
		1	1	27.40	**27.82**	27.47	26.17	26.38	25.85	29.84	30.17	29.75
		1	271	27.46	27.00	27.60	25.84	25.67	**27.01**	29.73	29.39	**30.33**
		1	272	25.32	24.16	24.97	25.06	24.80	25.58	28.20	27.50	28.30
		135	67	26.79	26.42	26.52	26.74	26.68	26.59	29.77	29.56	29.56
		270	0	26.77	26.39	26.50	26.72	26.65	26.57	29.75	29.53	29.54
	64QAM	1	0	25.42	25.81	25.16	24.85	24.84	24.56	28.15	28.36	27.88
		1	1	26.22	**26.53**	26.22	24.91	24.96	24.70	28.62	28.82	28.53
		1	271	26.38	25.23	26.10	24.96	24.32	26.18	28.74	27.81	29.15
		1	272	25.42	24.20	24.99	25.33	24.44	25.86	28.39	27.33	28.46
		135	67	26.41	25.93	26.09	**26.45**	26.23	26.25	**29.44**	29.10	29.19
		270	0	26.39	25.90	26.07	26.43	26.20	26.23	29.42	29.07	29.17
	256QAM	1	0	24.21	24.44	24.44	23.40	23.62	23.34	26.84	27.06	26.94
		1	1	23.83	**24.78**	24.32	23.61	23.50	23.06	26.73	27.20	26.75
		1	271	24.31	23.59	24.07	23.47	23.07	24.51	26.92	26.35	**27.31**
		1	272	24.20	23.46	24.04	23.80	22.92	**24.52**	27.01	26.21	27.30
		135	67	24.32	23.90	23.83	23.63	23.12	24.15	27.00	26.54	27.00
		270	0	24.30	23.87	23.81	23.61	23.09	24.13	26.98	26.51	26.98

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.

UL VERIFICATION SERVICES INC.
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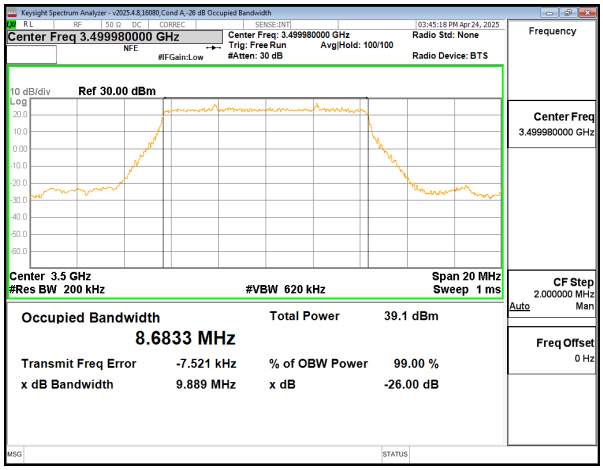
5G NR n77(FCC Part 27 3450-3550MHz)

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	3500.0	8.683	9.89
	10MHz, QPSK			8.691	10.26
	10MHz, 16QAM			8.704	10.04
	15MHz, BPSK	36/0		12.995	14.55
	15MHz, QPSK			12.973	14.74
	15MHz, 16QAM			13.007	14.64
	20MHz, BPSK	50/0		17.997	19.66
	20MHz, QPSK			17.989	19.88
	20MHz, 16QAM			18.002	19.91
	25MHz, BPSK	64/0		23.023	24.87
	25MHz, QPSK			23.018	25.10
	25MHz, 16QAM			23.006	24.98
	30MHz, BPSK	75/0		26.974	29.14
	30MHz, QPSK			26.945	29.14
	30MHz, 16QAM			26.979	29.34
	40MHz, BPSK	100/0		35.926	38.38
	40MHz, QPSK			35.865	38.48
	40MHz, 16QAM			35.906	38.42
	50MHz, BPSK	128/0		45.926	48.76
	50MHz, QPSK			45.925	48.97
	50MHz, 16QAM			45.989	48.99
	60MHz, BPSK	162/0		58.035	61.44
	60MHz, QPSK			58.060	61.34
	60MHz, 16QAM			58.064	61.57
	70MHz, BPSK	180/0		64.668	67.98
	70MHz, QPSK			64.537	68.01
	70MHz, 16QAM			64.612	68.24
	80MHz, BPSK	216/0		77.465	81.21
	80MHz, QPSK			77.389	81.51
	80MHz, 16QAM			77.425	81.40
	90MHz, BPSK	243/0		86.907	90.85
	90MHz, QPSK			86.899	91.10
	90MHz, 16QAM			86.948	91.04
	100MHz, BPSK	270/0		96.750	101.60
	100MHz, QPSK			96.732	101.80
	100MHz, 16QAM			96.669	101.90
	100MHz, BPSK	1/0		0.597	1.06

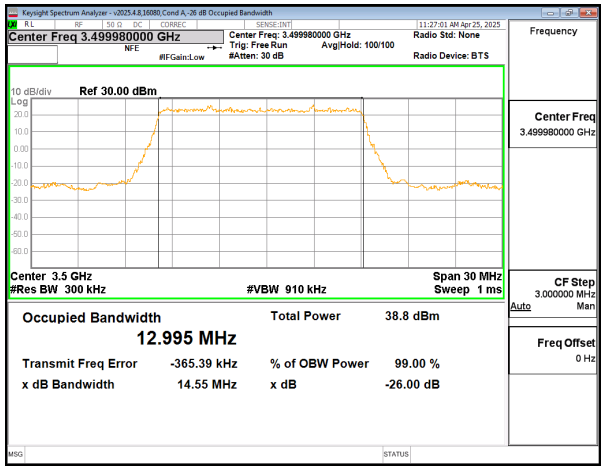
5G NR n77(FCC Part 27 3700-3980MHz)

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	3840.0	8.691	9.81
	10MHz, QPSK			8.647	9.91
	10MHz, 16QAM			8.658	9.96
	15MHz, BPSK	36/0		12.938	14.03
	15MHz, QPSK			12.967	14.23
	15MHz, 16QAM			12.931	14.26
	20MHz, BPSK	50/0		17.900	19.78
	20MHz, QPSK			17.946	19.51
	20MHz, 16QAM			17.891	19.40
	25MHz, BPSK	64/0		22.979	24.52
	25MHz, QPSK			22.963	24.51
	25MHz, 16QAM			22.919	24.73
	30MHz, BPSK	75/0		26.886	28.85
	30MHz, QPSK			26.871	28.60
	30MHz, 16QAM			26.836	28.75
	40MHz, BPSK	100/0		35.823	38.08
	40MHz, QPSK			35.722	38.07
	40MHz, 16QAM			35.809	37.88
	50MHz, BPSK	128/0		45.942	48.03
	50MHz, QPSK			45.855	48.52
	50MHz, 16QAM			45.910	48.36
	60MHz, BPSK	162/0		57.891	61.00
	60MHz, QPSK			57.979	60.93
	60MHz, 16QAM			57.971	60.83
	70MHz, BPSK	180/0		64.326	68.12
	70MHz, QPSK			64.392	68.00
	70MHz, 16QAM			64.408	67.93
	80MHz, BPSK	216/0		77.169	81.34
	80MHz, QPSK			77.414	81.41
	80MHz, 16QAM			77.264	81.13
	90MHz, BPSK	243/0		86.794	90.86
	90MHz, QPSK			86.762	90.85
	90MHz, 16QAM			86.810	90.68
	100MHz, BPSK	270/0		96.731	101.50
	100MHz, QPSK			96.579	101.60
	100MHz, 16QAM			96.527	101.50
	100MHz, BPSK	1/0		0.598	1.11

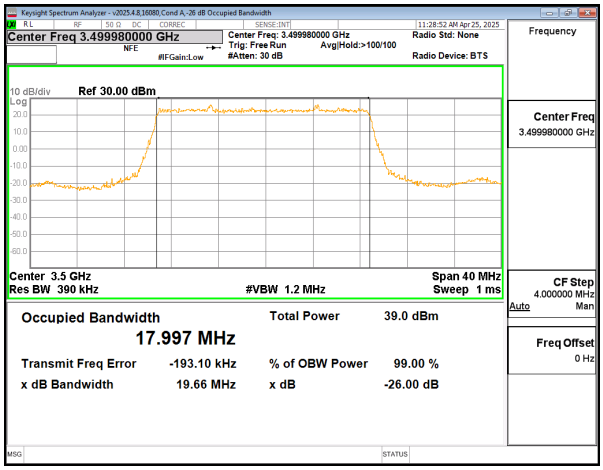
9.1.1. 5G NR n77 (FCC Part 27 3450-3550MHz)



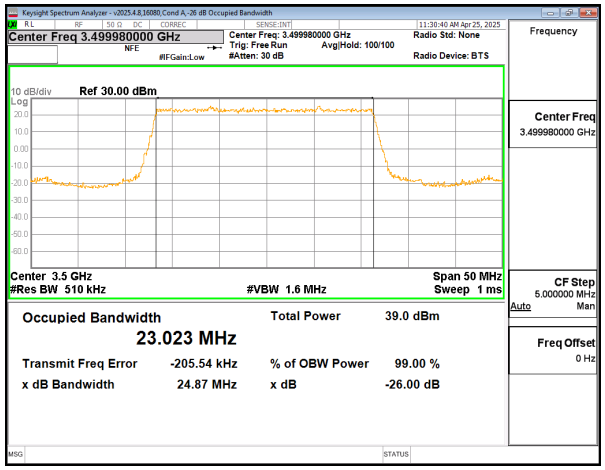
5G NR n77 10MHz BPSK Middle Channel RB24-0



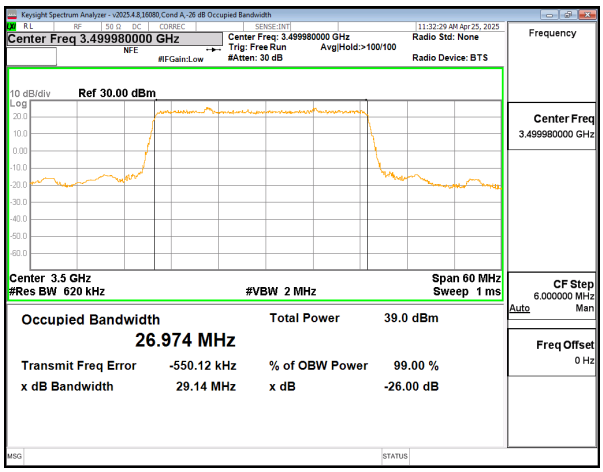
5G NR n77 15MHz BPSK Middle Channel RB36-0



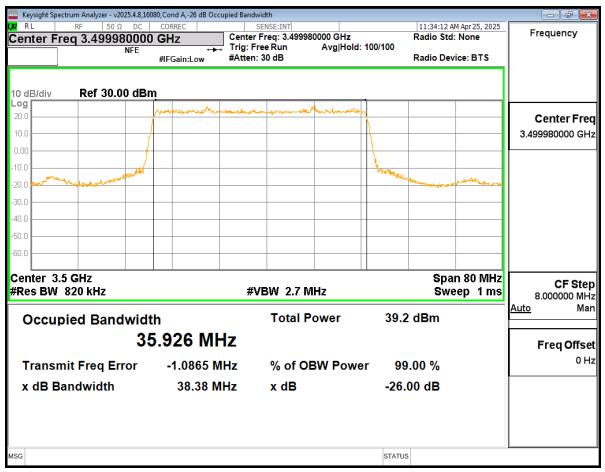
5G NR n77 20MHz BPSK Middle Channel RB50-0



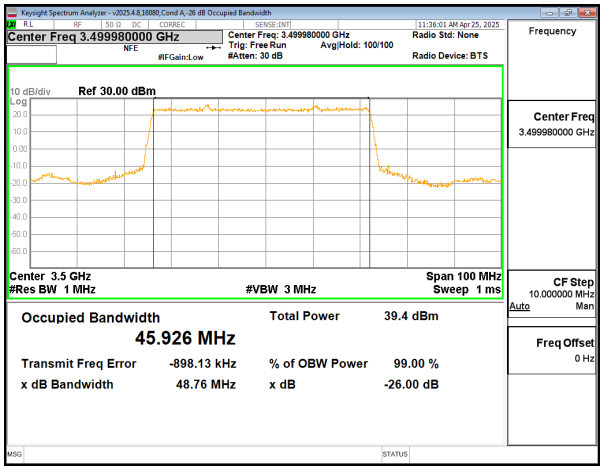
5G NR n77 25MHz BPSK Middle Channel RB64-0



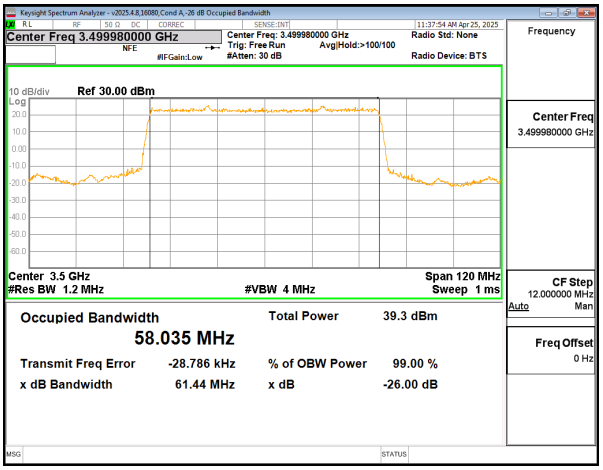
5G NR n77 30MHz BPSK Middle Channel RB75-0



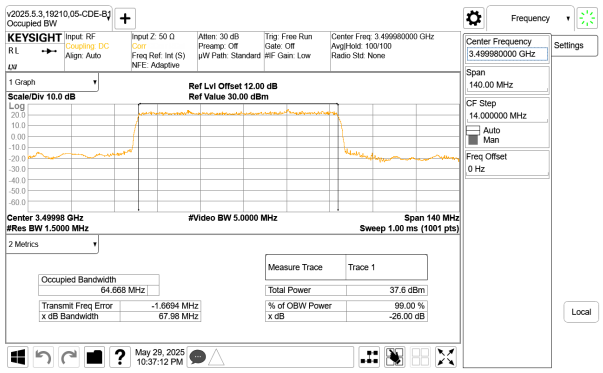
5G NR n77 40MHz BPSK Middle Channel RB100-0



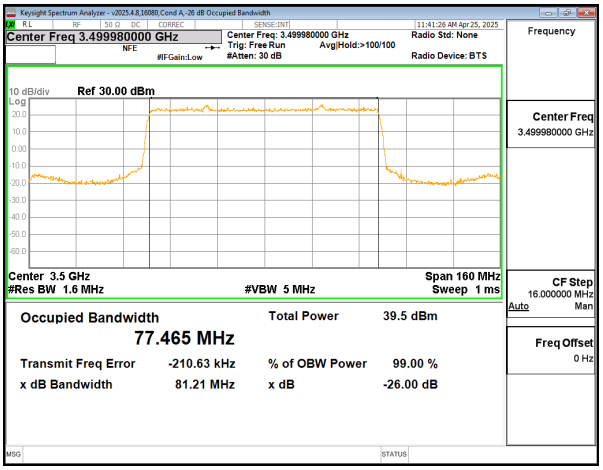
5G NR n77 50MHz BPSK Middle Channel RB128-0



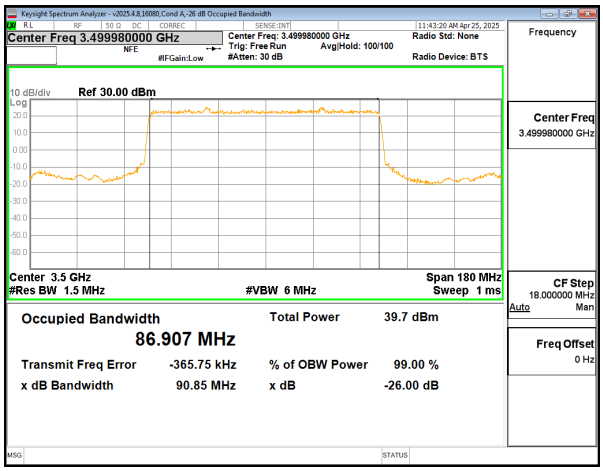
5G NR n77 60MHz BPSK Middle Channel RB162-0



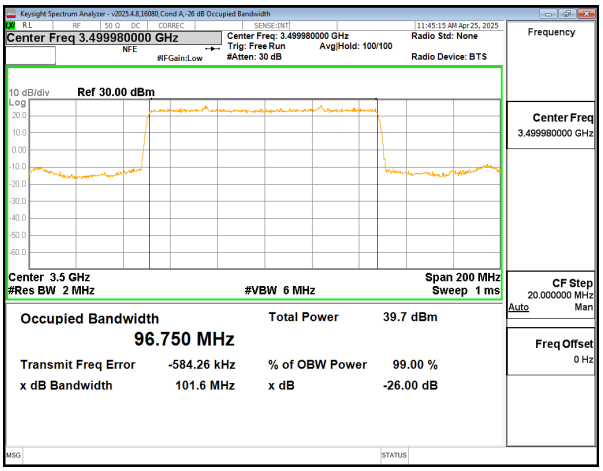
5G NR n77 70MHz BPSK Middle Channel RB180-0



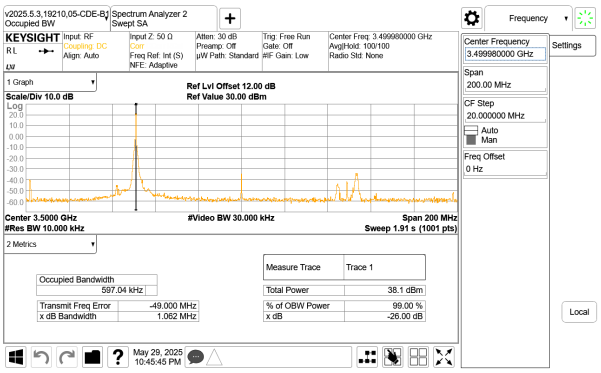
5G NR n77 80MHz BPSK Middle Channel RB216-0



5G NR n77 90MHz BPSK Middle Channel RB243-0



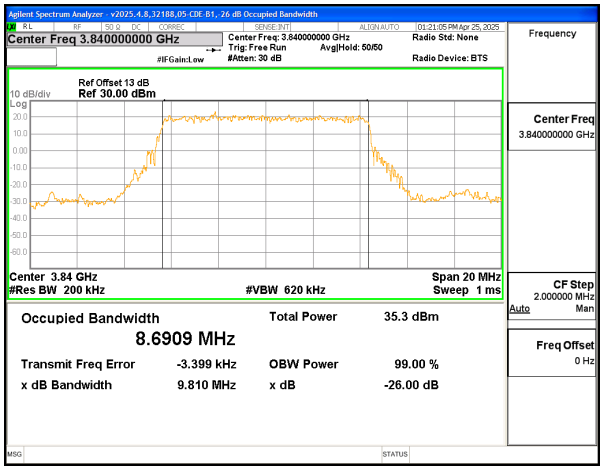
5G NR n77 100MHz BPSK Middle Channel RB270-0



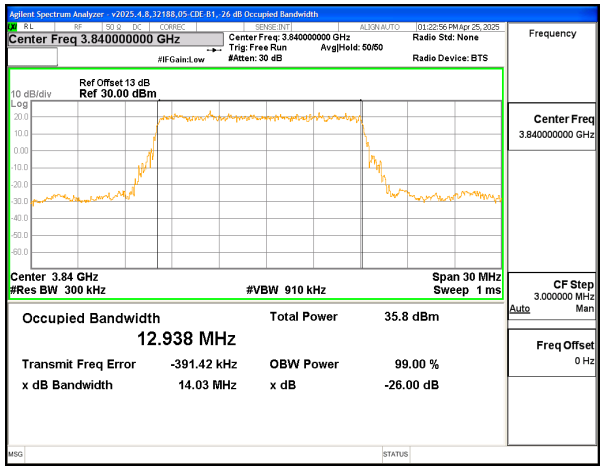
5G NR n77 100MHz BPSK Middle Channel RB1-0

Intentionally Blank

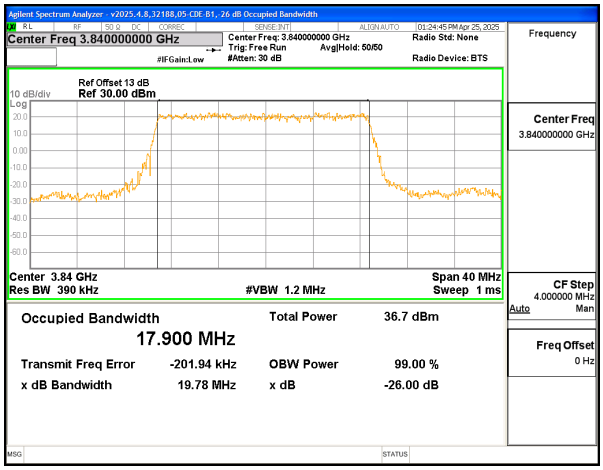
9.1.2. 5G NR n77 (FCC Part 27 3700-3980MHz)



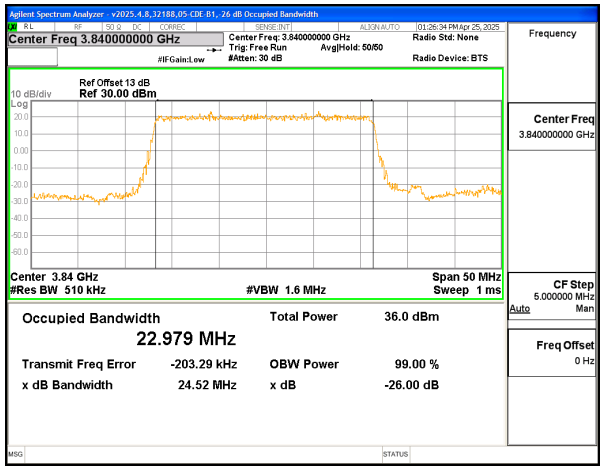
5G NR n77 10MHz BPSK Middle Channel RB24-0



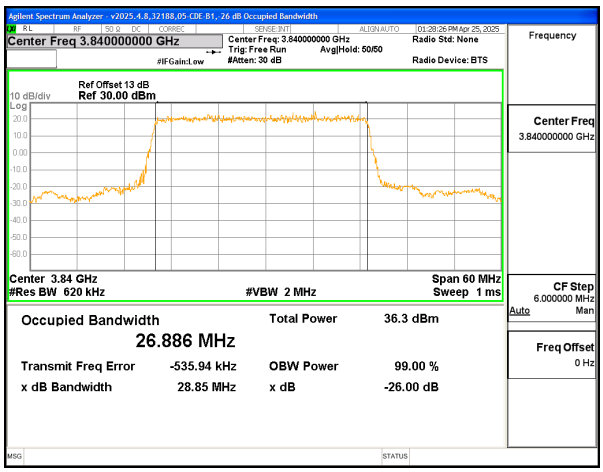
5G NR n77 15MHz BPSK Middle Channel RB36-0



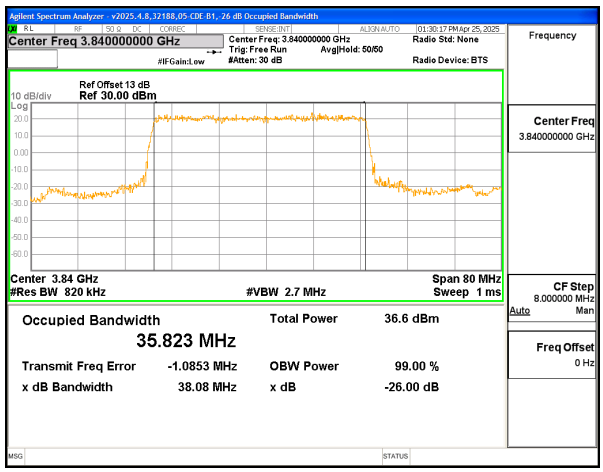
5G NR n77 20MHz BPSK Middle Channel RB50-0



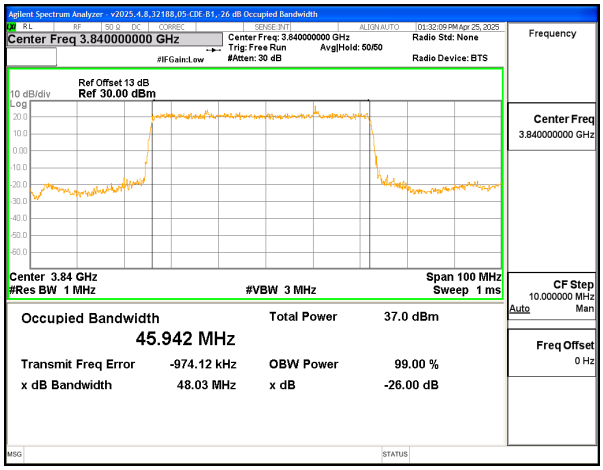
5G NR n77 25MHz BPSK Middle Channel RB64-0



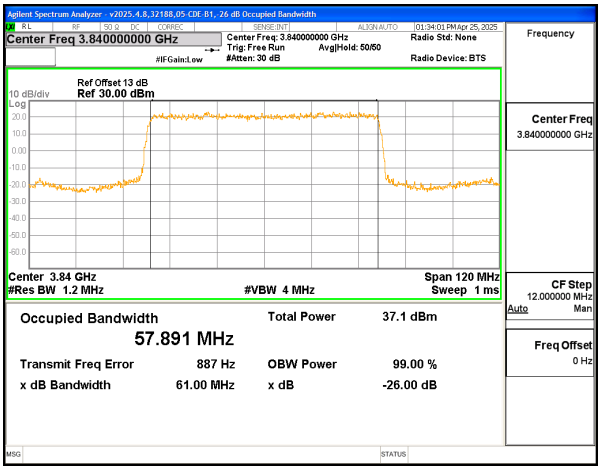
5G NR n77 30MHz BPSK Middle Channel RB75-0



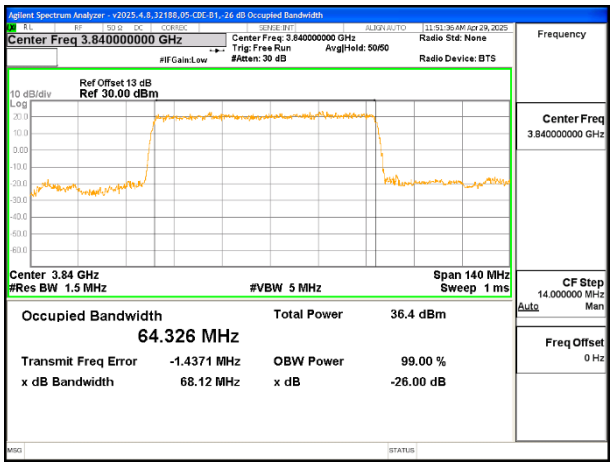
5G NR n77 40MHz BPSK Middle Channel RB100-0



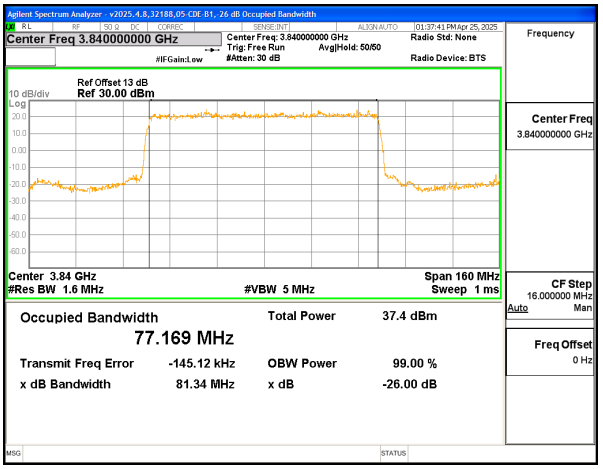
5G NR n77 50MHz BPSK Middle Channel RB128-0



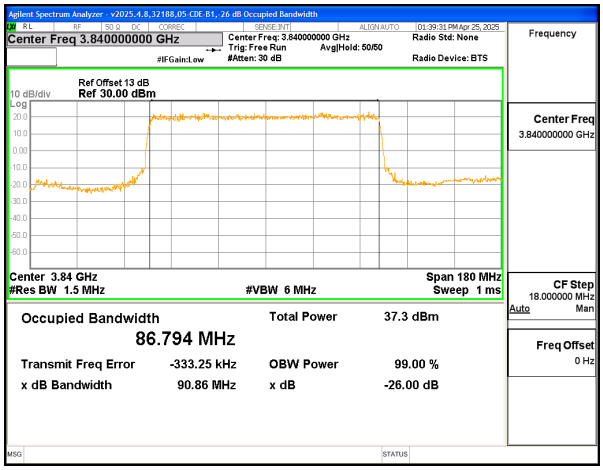
5G NR n77 60MHz BPSK Middle Channel RB162-0



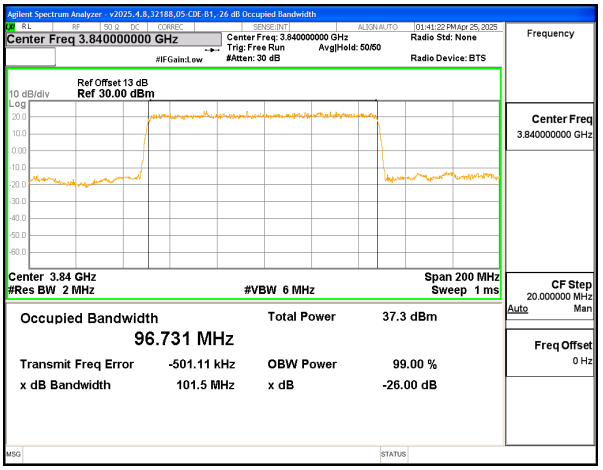
5G NR n77 70MHz BPSK Middle Channel RB180-0



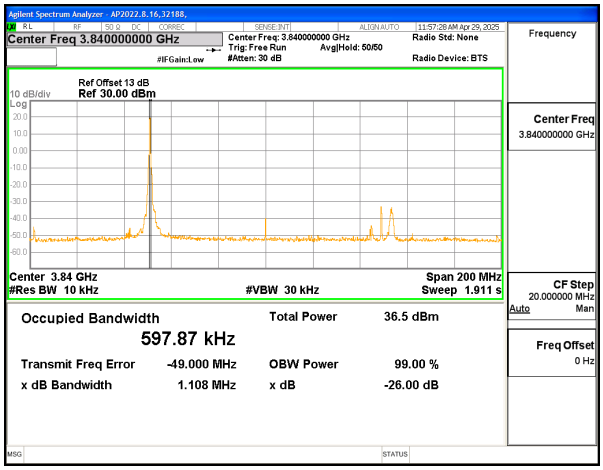
5G NR n77 80MHz BPSK Middle Channel RB216-0



5G NR n77 90MHz BPSK Middle Channel RB243-0



5G NR n77 100MHz BPSK Middle Channel RB270-0



5G NR n77 100MHz BPSK Middle Channel RB1-0

Intentionally Blank

9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53
(n) 3.45 GHz Service. The following emission limits apply to stations transmitting in the 3450-3550 MHz band:

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC: §27.53
(l) 3.7 GHz Service.The following emission limits apply to stations transmitting in the 3700-3980 MHz band:
(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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TEST PROCEDURE

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

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

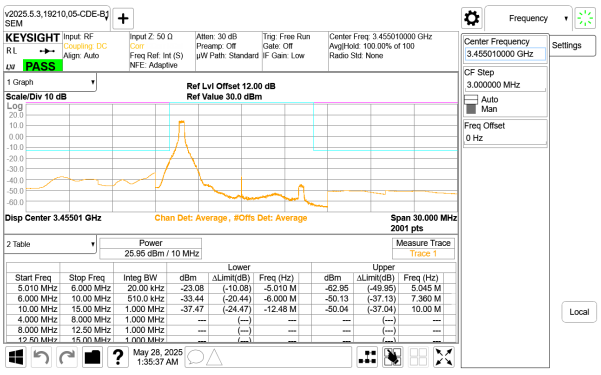
For each band edge measurement:

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

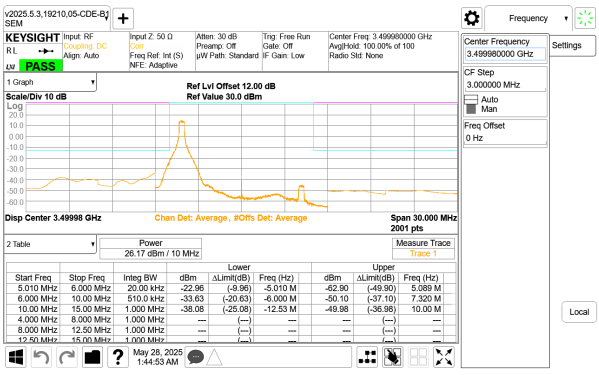
For MIMO modes are made using the measure and sum the spectra method E3)a)ii) / E)2)a) from KDB 662911 D01. The measurements for each antenna are stored in separate traces (i.e. trace 1 and trace 2). The spectrum analyzer's math function is used to perform a linear sum of powers of the two traces and store the result in trace 3. Trace 3 is compared to the in-band or out of band limit as applicable.

RESULTS

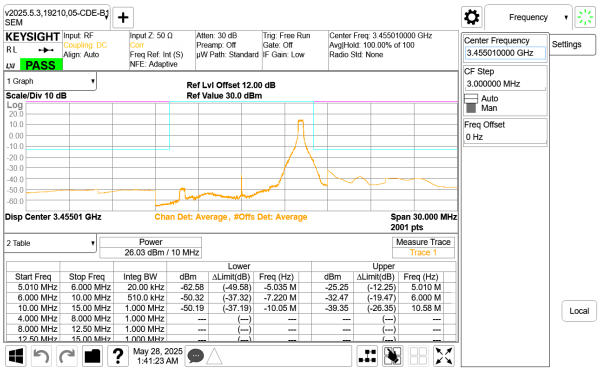
9.2.1. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO)



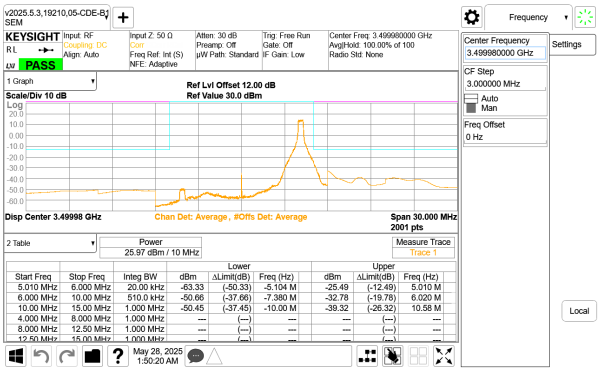
5G NR n77 10MHz BPSK Low Channel RB1-0



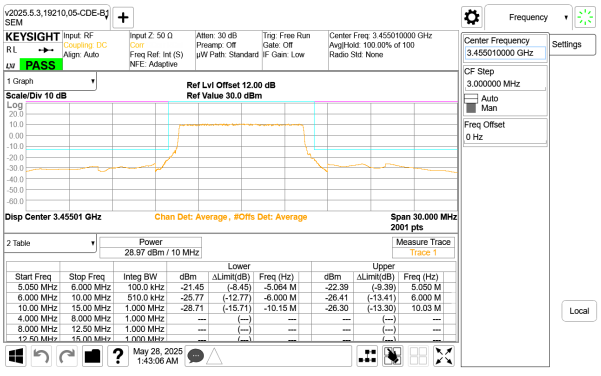
5G NR n77 10MHz BPSK Middle Channel RB1-0



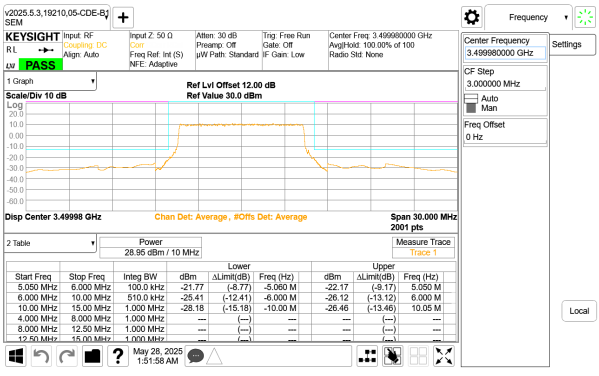
5G NR n77 10MHz BPSK Low Channel RB1-23



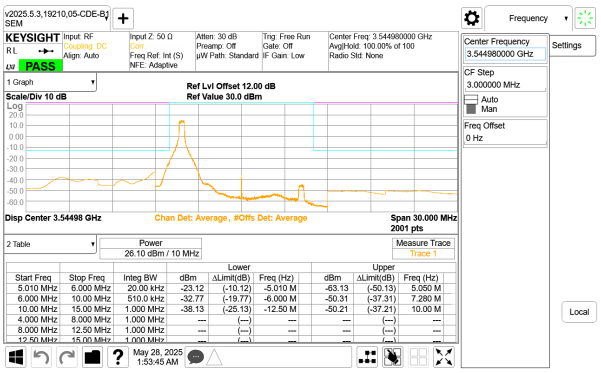
5G NR n77 10MHz BPSK Middle Channel RB1-23



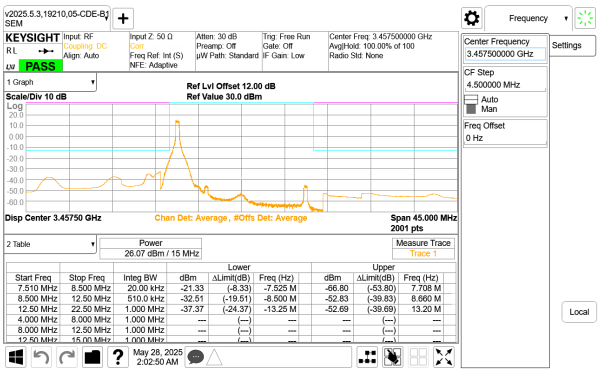
5G NR n77 10MHz BPSK Low Channel RB24-0



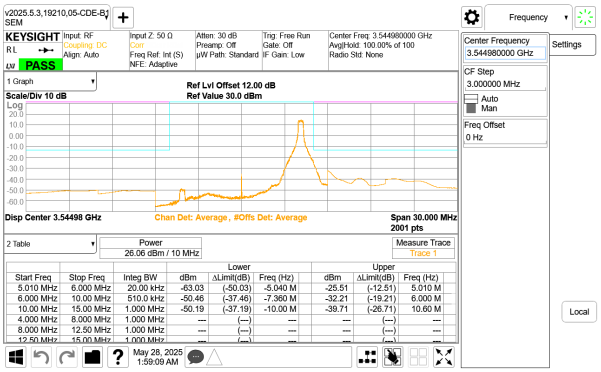
5G NR n77 10MHz BPSK Middle Channel RB24-0



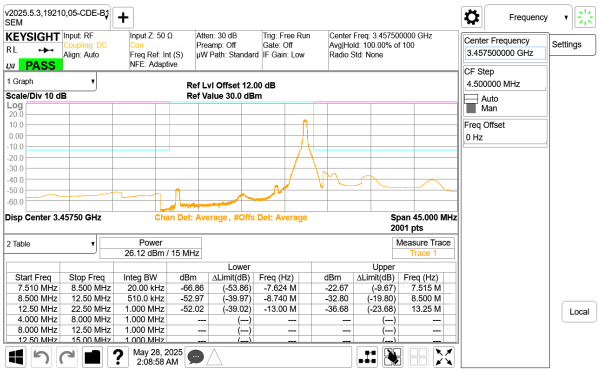
5G NR n77 10MHz BPSK High Channel RB1-0



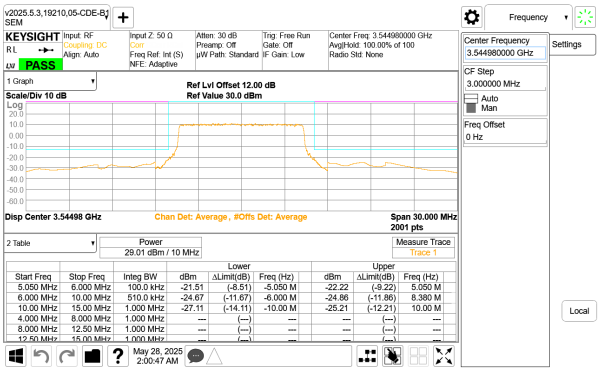
5G NR n77 15MHz BPSK Low Channel RB1-0



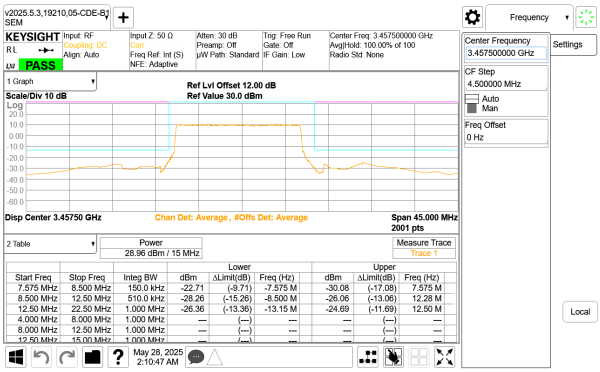
5G NR n77 10MHz BPSK High Channel RB1-23



5G NR n77 15MHz BPSK Low Channel RB1-37



5G NR n77 10MHz BPSK High Channel RB24-0



5G NR n77 15MHz BPSK Low Channel RB36-0

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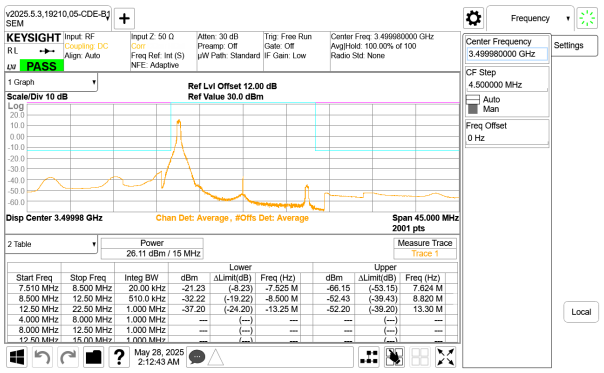
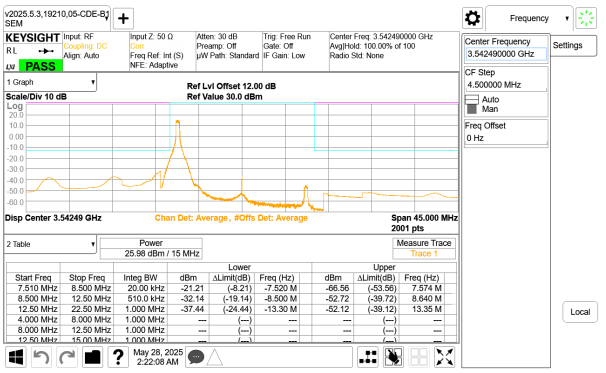


5G NR n77 15MHz BPSK Middle Channel RB1-0



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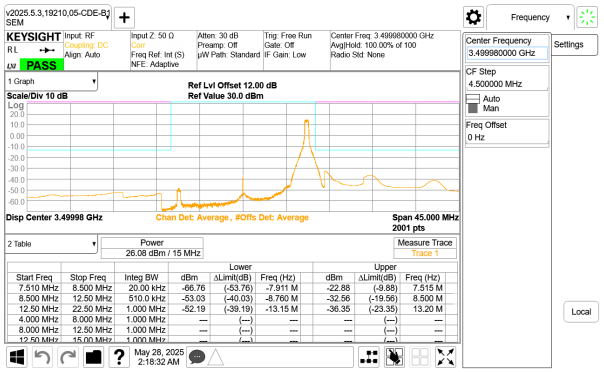

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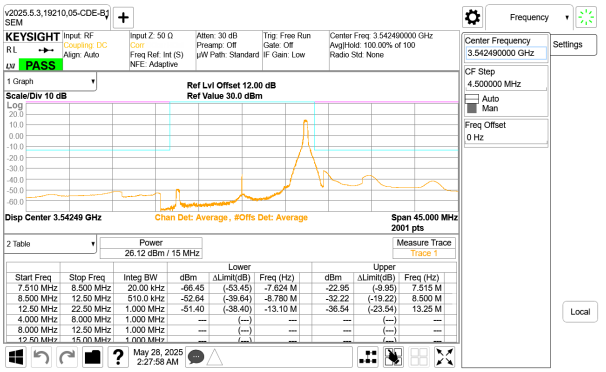

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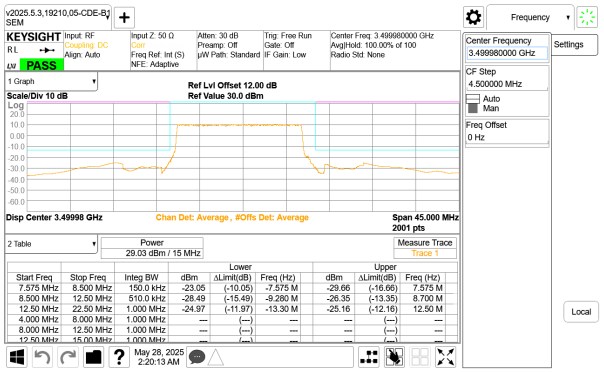

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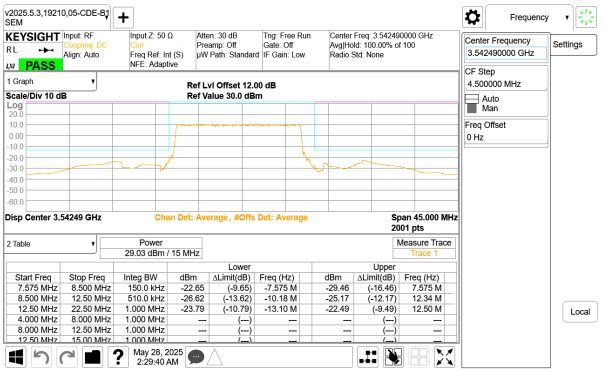

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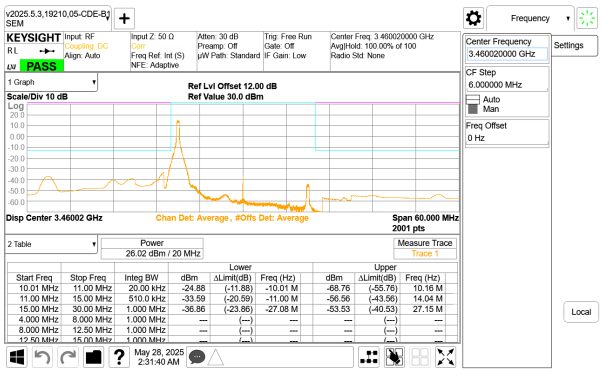
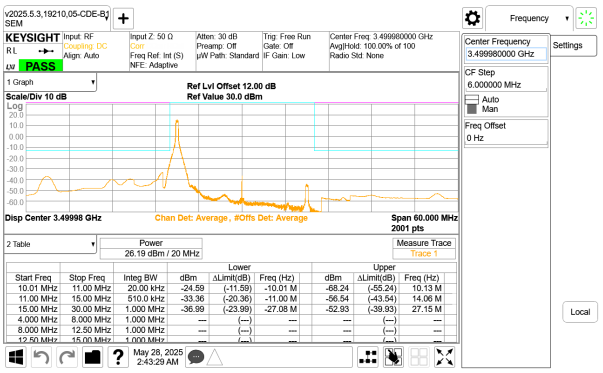


5G NR n77 20MHz BPSK Low Channel RB1-0



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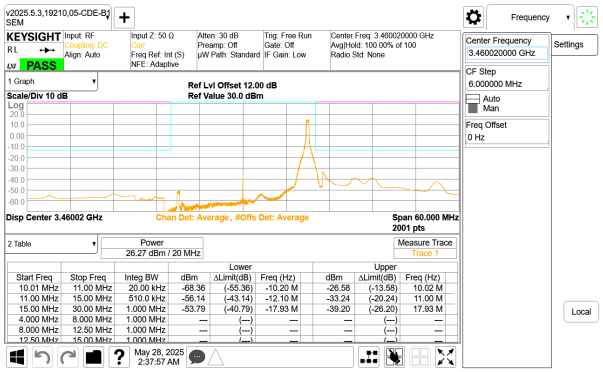

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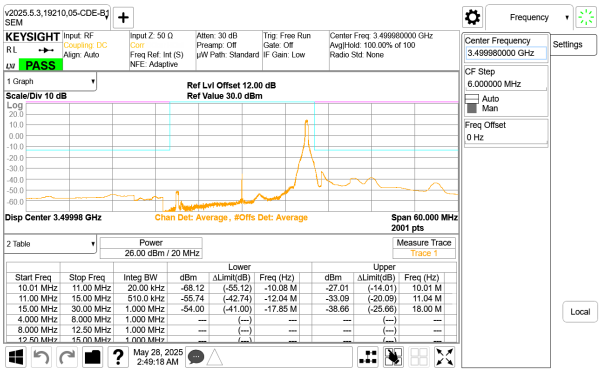

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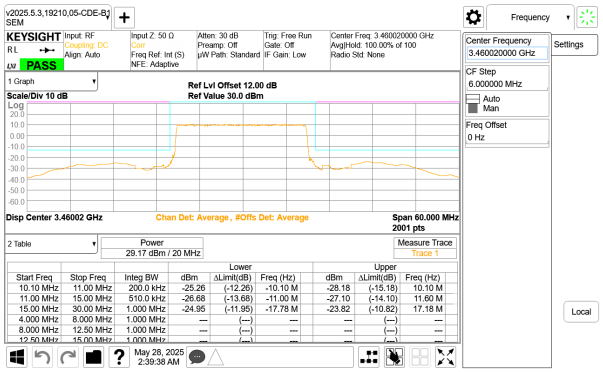

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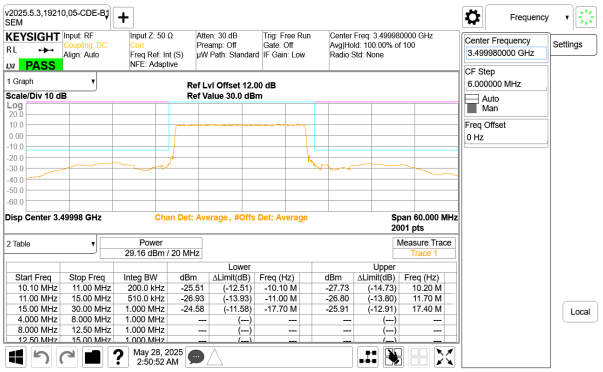

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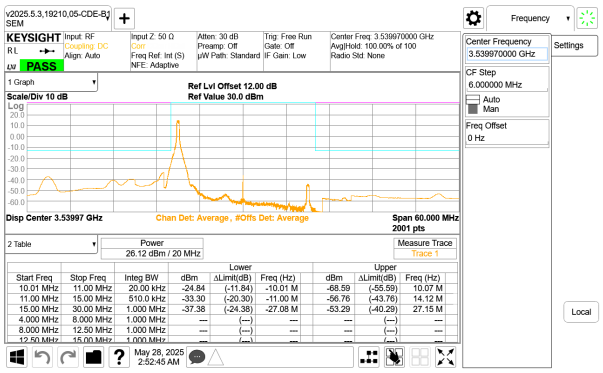
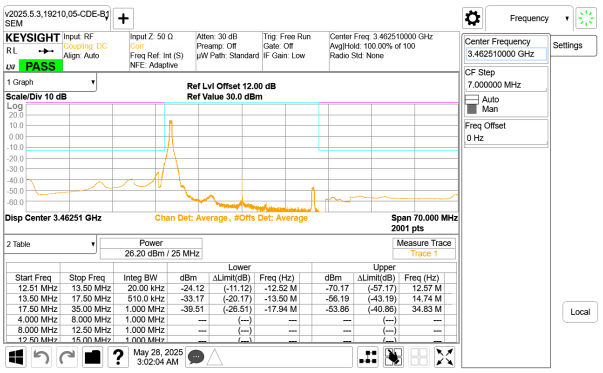
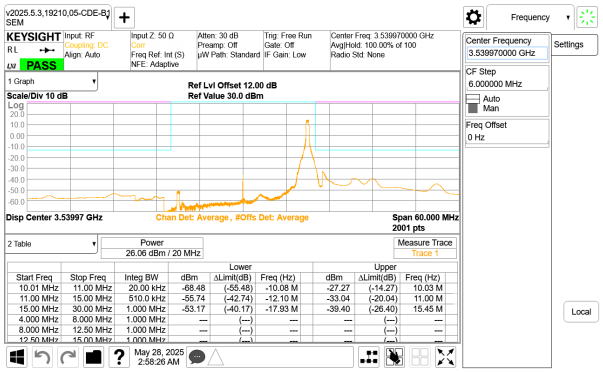


5G NR n77 20MHz BPSK High Channel RB1-0



5G NR n77 25MHz BPSK Low Channel RB1-0



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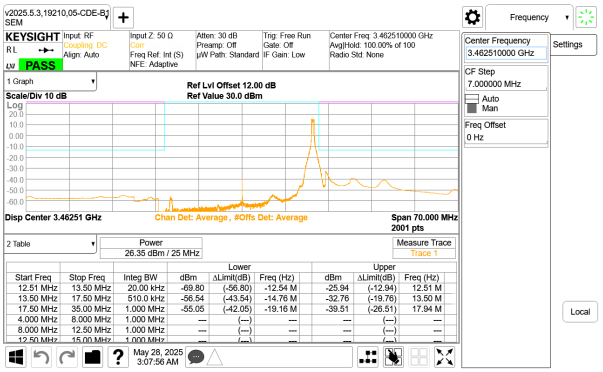
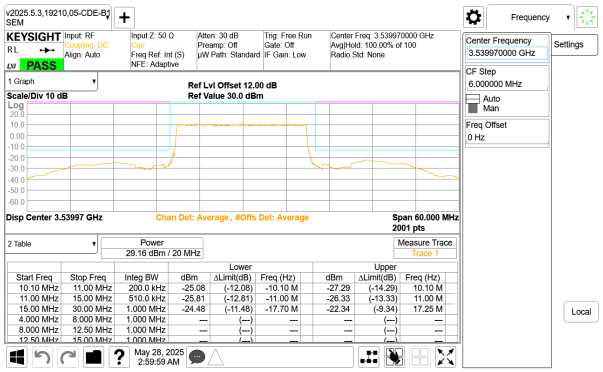
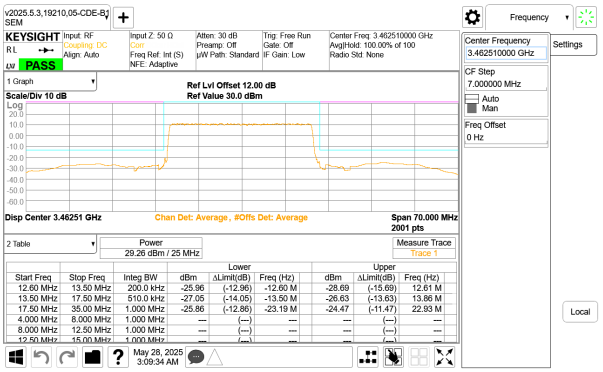


5G NR n77 25MHz BPSK Low Channel RB1-64



5G NR n77 20MHz BPSK High Channel RB50-0



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