TEST REPORT

Report Number: 14040866-E8V5

Applicant	:	APPLE, INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	:	A2651
Brand	:	APPLE
FCC ID	:	579C-E8141A
EUT Description	:	SMARTPHONE
Test Standard(s)	:	FCC CFR47 PART 2, 22H, 24E, 27, 90S, 90R, AND 96

Date Of Issue:
AUGUST 16, 2022

Prepared by:
UL Verification Services Inc.
47173 Benicia Street
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	7/15/2022	Initial Review	Mengistu Mekuria
V2	8/2/2022	Addressed TCB Questions sections 5.4, 6.2, 8.2, 8.8, 8.9, 8.16, 8.17	Binod Sitaula
V3	8/10/2022	Updated section 6.2 and 8.10	Binod Sitaula
V4	8/15/2022	Updated section 9.5.11 and 9.5.12	Binod Sitaula
V5	8/16/2022	Updated Section 9.5.16 and 9.5.17	Binod Sitaula

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TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS 9

2. SUMMARY OF TEST RESULTS 10

3. TEST METHODOLOGY 12

4. FACILITIES AND ACCREDITATION 12

5. DECISION RULES AND MEASUREMENT UNCERTAINTY 13

5.1. METROLOGICAL TRACEABILITY 13
5.2. DECISION RULES 13
5.3. MEASUREMENT UNCERTAINTY 13
5.4. SAMPLE CALCULATION 13

6. EQUIPMENT UNDER TEST 14

6.1. DESCRIPTION OF EUT 14
6.2. MAXIMUM OUTPUT POWER 14
6.3. SOFTWARE AND FIRMWARE 28
6.4. MAXIMUM ANTENNA GAIN 28
6.5. WORST-CASE CONFIGURATION AND MODE 29
6.6. DESCRIPTION OF TEST SETUP 32

7. TEST AND MEASUREMENT EQUIPMENT 34

8. RF OUTPUT POWER VERIFICATION 36

8.1. LTE BAND 5 AND 5G NR n5 38
8.2. LTE BAND 7 AND 5G NR n7 43
8.3. LTE BAND 12 AND 5G NR n12 50
8.4. LTE BAND 13 54
8.5. LTE BAND 14 AND 5G NR n14 55
8.6. LTE BAND 17 57
8.7. LTE BAND 25 AND 5G NR n25 58
8.8. LTE BAND 26 AND 5G NR n26 (FCC PART 90S) 65
8.9. LTE BAND 26 AND 5G NR n26 (FCC PART 22) 69
8.10. LTE BAND 30 AND 5G NR n30 73
8.11. LTE BAND 41 AND 5G NR n41 75
8.12. LTE BAND 48 82

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8.13. LTE BAND 66 AND 5G NR n66 84
8.14. 5G NR n70 90
8.15. LTE BAND 71 AND 5G NR n71 92
8.16. 5G NR n77 (FCC Part 27 3450-3550MHz) 96
8.17. 5G NR n77 (FCC Part 27 3700-3980MHz) 102

9. CONDUCTED TEST RESULTS 108
9.1. OCCUPIED BANDWIDTH 108
9.1.1. LTE BAND 5 AND 5G NR n5 121
9.1.2. LTE BAND 7 AND 5G NR n7 123
9.1.3. LTE BAND 12 AND 5G NR n12 126
9.1.4. LTE BAND 13 128
9.1.5. LTE BAND 14 AND 5G NR n14 129
9.1.6. LTE BAND 17 131
9.1.7. LTE BAND 25 AND 5G NR n25 132
9.1.8. LTE BAND 26 136
9.1.9. LTE BAND 26 138
9.1.10. LTE BAND 30 AND 5G NR n30 140
9.1.12. LTE BAND 41 AND 5G NR n41 142
9.1.13. LTE BAND 48 145
9.1.14. LTE BAND 66 AND 5G NR n66 146
9.1.15. 5G NR n70 150
9.1.16. LTE BAND 71 AND 5G NR n71 151
9.1.17. 5G NR n77 (3450-3550MHz) 153
9.1.18. 5G NR n77 (3700-3980MHz) 155
9.2. EMISSION MASK AND ADJACENT CHANNEL POWER 157
9.2.1. LTE BAND 5 And 5G NR n5 EMISSION MASK 159
9.2.2. LTE BAND 7 AND 5G NR n7 EMISSION MASK 165
9.2.3. LTE BAND 12 AND 5G NR n12 EMISSION MASK 184
9.2.4. LTE BAND 13 EMISSION MASK 196
9.2.5. LTE BAND 14 AND 5G NR n14 EMISSION MASK 199
9.2.6. LTE BAND 17 EMISSION MASK 204
9.2.7. LTE BAND 25 AND 5G NR n25 EMISSION MASK 207
9.2.8. LTE BAND 26 EMISSION MASK (FCC PART 90S) 217
9.2.9. LTE BAND 26 EMISSION MASK (FCC PART 22) 223

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
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9.2.10. LTE BAND 30 AND 5G NR n30 EMISSION MASK AND ADJACENT CHANNEL POWER... 228
9.2.11. LTE BAND 41 AND 5G NR n41 EMISSION MASK ... 241
9.2.12. LTE BAND 48 EMISSION MASK AND ADJACENT CHANNEL POWER ... 262
9.2.13. LTE BAND 66 AND 5G NR n66 EMISSION MASK ... 275
9.2.14. 5G NR n70 EMISSION MASK ... 282
9.2.15. LTE BAND 71 AND 5G NR n71 EMISSION MASK ... 285
9.2.16. 5G NR n77 EMISSION MASK (3450-3550MHz) ... 298
9.2.17. 5G NR n77 EMISSION MASK (3700-3980MHz) ... 314
9.3. OUT OF BAND EMISSIONS ... 332
9.3.1. LTE BAND 5 AND 5G NR ... 333
9.3.2. LTE BAND 7 AND 5G NR n7 ... 338
9.3.3. LTE BAND 12 AND 5G NR n12 ... 345
9.3.4. LTE BAND 13 ... 350
9.3.5. LTE BAND 14 AND 5G NR n14 ... 351
9.3.6. LTE BAND 17 ... 353
9.3.7. LTE BAND 25 AND 5G NR n25 ... 355
9.3.8. LTE BAND 26 ... 363
9.3.9. LTE BAND 26 ... 366
9.3.10. LTE BAND 30 AND 5G NR n30 ... 370
9.3.11. LTE BAND 41 AND 5G NR n41 ... 374
9.3.12. LTE BAND 48 ... 382
9.3.13. LTE BAND 66 AND 5G NR n66 ... 387
9.3.14. 5G NR n70 ... 394
9.3.15. LTE BAND 71 AND 5G NR n71 ... 396
9.3.16. 5G NR n77 (3450-3550MHz) ... 401
9.3.17. 5G NR n77 (3700-3980MHz) ... 407
9.4. FREQUENCY STABILITY ... 413
9.4.1. LTE BAND 5 AND 5G NR n5 ... 414
9.4.2. LTE BAND 7 AND 5G NR n7 ... 416
9.4.3. LTE BAND 12 AND 5G NR n12 ... 418
9.4.4. LTE BAND 13 ... 420
9.4.5. LTE BAND 14 AND 5G NR n14 ... 421
9.4.6. LTE BAND 17 ... 423
9.4.7. LTE BAND 25 AND 5G NR n25 ... 424

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
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9.4.8. LTE BAND 26 426
9.4.9. LTE BAND 26 428
9.4.10. LTE BAND 30 AND 5G NR n30 430
9.4.11. LTE BAND 41 AND 5G NR n41 432
9.4.12. LTE BAND 48 434
9.4.13. LTE BAND 66 AND 5G NR n66 435
9.4.14. 5G NR n70 437
9.4.15. LTE BAND 71 AND 5G NR n71 438
9.4.16. 5G NR n77 (3450-3550MHz) 440
9.4.17. 5G NR n77 (3700-3980MHz) 441
9.5. PEAK-TO-AVERAGE POWER RATIO 442
9.5.1. LTE BAND 5 AND 5G NR n5 443
9.5.2. LTE BAND 7 AND 5G NR n7 446
9.5.3. LTE BAND 12 AND 5G NR n12 451
9.5.4. LTE BAND 13 453
9.5.5. LTE BAND 14 AND 5G NR n14 454
9.5.6. LTE BAND 17 456
9.5.7. LTE BAND 25 AND 5G NR n25 457
9.5.8. LTE BAND 26 463
9.5.9. LTE BAND 26 466
9.5.10. LTE BAND 30 AND 5G NR n30 469
9.5.11. LTE BAND 41 AND 5G NR n41 471
9.5.12. LTE BAND 48 472
9.5.13. LTE BAND 66 AND 5G NR n66 473
9.5.14. 5G NR n70 479
9.5.15. LTE BAND 71 AND 5G NR n71 481
9.5.16. 5G NR n77 (3450-3550MHz) 485
9.5.17. 5G NR n77 (3700-3980MHz) 486

10. RADIATED TEST RESULTS 487
10.1. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 1 492
10.1.1. LTE BAND 5 AND 5G NR n5 493
10.1.2. LTE BAND 7 AND 5G NR n7 496
10.1.3. LTE BAND 12 AND 5G NR n12 499
10.1.4. LTE BAND 13 502

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
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10.1.5. LTE BAND 14 AND 5G NR n14 503
10.1.6. LTE BAND 17 505
10.1.7. LTE BAND 25 AND 5G NR n25 506
10.1.8. LTE BAND 26 AND 5G NR n26 508
10.1.9. LTE BAND 26 510
10.1.10. LTE BAND 30 AND 5G NR n30 512
10.1.11. LTE BAND 41 AND 5G NR n41 514
10.1.12. LTE BAND 66 AND 5G NR n66 516
10.1.13. 5G NR n70 519
10.1.14. LTE BAND 71 AND 5G NR n71 520
10.2. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 2 522
10.2.1. LTE BAND 5 AND 5G NR n5 523
10.2.2. LTE BAND 7 AND 5G NR n7 526
10.2.3. LTE BAND 12 AND 5G NR n12 529
10.2.4. LTE BAND 13 532
10.2.5. LTE BAND 14 AND 5G NR n14 534
10.2.6. LTE BAND 17 536
10.2.7. LTE BAND 25 AND 5G NR n25 537
10.2.8. LTE BAND 26 AND 5G NR n26 539
10.2.9. LTE BAND 26 AND 5G NR n26 541
10.2.11. LTE BAND 30 AND 5G NR n30 543
10.2.12. LTE BAND 41 AND 5G NR n41 545
10.2.13. LTE BAND 66 AND 5G NR n66 547
10.2.14. 5G NR n70 550
10.2.15. LTE BAND 71 AND 5G NR n71 551
10.3. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 3 553
10.3.1. LTE BAND 7 AND 5G NR n7 554
10.3.2. LTE BAND 25 AND 5G NR n25 557
10.3.3. LTE BAND 30 AND 5G NR n30 559
10.3.4. LTE BAND 41 AND 5G NR n41 561
10.3.5. LTE BAND 66 AND 5G NR n66 563
10.3.6. 5G NR n70 566
10.4. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 4 567
10.4.1. LTE BAND 7 AND 5G NR n7 568

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
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10.4.2. LTE BAND 25 AND 5G NR n25 571
10.4.3. LTE BAND 30 AND 5G NR n30 574
10.4.4. LTE BAND 41 AND 5G NR n41 576
10.4.5. LTE BAND 48 579
10.4.6. LTE BAND 66 AND 5G NR n66 580
10.4.7. 5G NR n70 582
10.4.8. 5G NR n77 (3450-3550MHz) 583
10.4.9. 5G NR n77 (3700-3980MHz) 584
10.5. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 7 585
10.5.1. LTE BAND 48 586
10.5.2. 5G NR n77 (3450-3550MHz) 587
10.5.3. 5G NR n77 (3700-3980MHz) 588
10.6. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 8 589
10.6.1. LTE BAND 48 590
10.6.2. 5G NR n77 (3450-3550MHz) 591
10.6.3. 5G NR n77 (3700-3980MHz) 592
10.7. FIELD STRENGTH OF SPURIOUS RADIATION, Ant 9 593
10.7.1. LTE BAND 48 594
10.7.2. 5G NR n77 (3450-3550MHz) 595
10.7.3. 5G NR n77 (3700-3980MHz) 596

11. SETUP PHOTOS 597

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPL 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	A2651
Brand	APPLE
FCC ID	579C-E8141A
EUT Description	SMARTPHONE
Serial Number	CT666X3X0G, C2V3Q7Q7D5 (CONDUCTED), JXM6L16XM3, H7VFKXH4D1 (RADIATED)
Sample Receipt Date	FEBRUARY 22, 2022
Date Tested	MARCH 31, 2022 to JULY 14, 2022
Applicable Standards	FCC CFR47 2, 22H, 24E, 27, 90S, 90R, AND 96
Test Results	COMPLIES

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

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

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released By:	Reviewed By:	Prepared By:
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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 LLC is only responsible for the validity of results after the integration of the data provided by the customer.

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

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

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3. TEST METHODOLOGY

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

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

4. FACILITIES AND ACCREDITATION

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

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☒	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA	US0104	22541	550739
☐	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA	US0104	2324B	550739

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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}
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.84 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB
Occupied Channel Bandwidth	±1.22 %
Temperature	±2.26%
Supply voltages	±0.57 %
Time	±3.39 %

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

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

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6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

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

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

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

ERP/EIRP = PMeas + GT − LC
where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);
PMeas = measured transmitter output power or PSD, in dBm or dBW;
GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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

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

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

Note: The maximum of output powers for FR1 n30 @5M and 10MHz bandwidths are based on the 3GPP NS_01 or NS_254 A-MPR table.

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LTE BAND 5

Part 22H	
ERP Limit (W)	7.00
Antenna Gain (dBi)_(Ant1)	-5.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.70	18.55	0.072	1089	1M09G7W
	16QAM			25.66	18.51	0.071	1096	1M10D7W
3.0	QPSK	825.5	847.5	25.70	18.55	0.072	2699	2M70G7W
	16QAM			25.46	18.31	0.068	2610	2M61D7W
5.0	QPSK	826.5	846.5	25.70	18.55	0.072	4501	4M50G7W
	16QAM			25.46	18.31	0.068	4498	4M50D7W
10.0	QPSK	829.0	844.0	25.70	18.55	0.072	8982	8M98G7W
	16QAM			25.46	18.31	0.068	8979	8M98D7W

5G NR n5

Part 22H	
ERP Limit (W)	7.00
Antenna Gain (dBi)_(Ant1)	-5.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	826.5	846.5	25.58	18.43	0.070	4533	4M53G7W
	QPSK			25.70	18.55	0.072	4495	4M50G7W
	16QAM			25.13	17.98	0.063	4494	4M49D7W
10.0	BPSK	829.0	844.0	25.70	18.55	0.072	8973	8M97G7W
	QPSK			25.69	18.54	0.071	8950	8M95G7W
	16QAM			25.13	17.98	0.063	8942	8M94D7W
15.0	BPSK	831.5	841.5	25.61	18.46	0.070	13452	13M5G7W
	QPSK			25.70	18.55	0.072	13438	13M4G7W
	16QAM			25.13	17.98	0.063	13398	13M4D7W
20.0	BPSK	834.0	839.0	25.70	18.55	0.072	17876	17M9G7W
	QPSK			25.64	18.49	0.071	17859	17M9G7W
	16QAM			25.13	17.98	0.063	17884	17M9D7W

LTE BAND 7

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	-0.50

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2502.5	2567.5	25.00	24.50	0.282	4498	4M50G7W
	16QAM			24.82	24.32	0.270	4514	4M51D7W
10.0	QPSK	2505.0	2565.0	25.00	24.50	0.282	9016	9M02G7W
	16QAM			24.82	24.32	0.270	8991	8M99D7W
15.0	QPSK	2507.5	2562.5	25.00	24.50	0.282	1348	1M35G7W
	16QAM			24.82	24.32	0.270	1348	1M35D7W
20.0	QPSK	2510.0	2560.0	25.00	24.50	0.282	17945	17M9G7W
	16QAM			24.82	24.32	0.270	17931	17M9D7W

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5G NR n7

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	-0.50

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	2502.5	2567.5	24.90	24.40	0.275	4536	4M54G7W
	QPSK			25.00	24.50	0.282	4497	4M50G7W
	16QAM			24.43	23.93	0.247	4814	4M81D7W
10.0	BPSK	2505.0	2565.0	25.00	24.50	0.282	8970	8M97G7W
	QPSK			24.99	24.49	0.281	8969	8M97G7W
	16QAM			24.43	23.93	0.247	8951	8M95D7W
15.0	BPSK	2507.5	2562.5	24.98	24.48	0.281	13455	13M5G7W
	QPSK			25.00	24.50	0.282	13432	13M4G7W
	16QAM			24.51	24.01	0.252	13416	13M4D7W
20.0	BPSK	2510.0	2560.0	24.95	24.45	0.279	17888	17M9G7W
	QPSK			25.00	24.50	0.282	17913	17M9G7W
	16QAM			24.43	23.93	0.247	17872	17M9D7W
25.0	BPSK	2512.5	2557.5	24.94	24.44	0.278	22969	23M0G7W
	QPSK			25.00	24.50	0.282	22914	22M9G7W
	16QAM			24.43	23.93	0.247	22899	22M9D7W
30.0	BPSK	2515.0	2555.0	24.99	24.49	0.281	28602	28M6G7W
	QPSK			25.00	24.50	0.282	28730	28M7G7W
	16QAM			24.43	23.93	0.247	28622	28M6D7W
40.0	BPSK	2520.0	2550.0	24.94	24.44	0.278	38541	38M5G7W
	QPSK			25.00	24.50	0.282	38541	38M5G7W
	16QAM			24.43	23.93	0.247	38563	38M6D7W

LTE BAND 12

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	699.7	715.3	25.70	18.95	0.079	1094	1M09G7W
	16QAM			25.66	18.91	0.078	1095	1M10D7W
3.0	QPSK	700.5	714.5	25.70	18.95	0.079	2702	2M70G7W
	16QAM			25.46	18.71	0.074	2699	2M70D7W
5.0	QPSK	701.5	713.5	25.70	18.95	0.079	4501	4M50G7W
	16QAM			25.46	18.71	0.074	4500	4M50D7W
10.0	QPSK	704.0	711.0	25.70	18.95	0.079	8974	8M97G7W
	16QAM			25.46	18.71	0.074	8980	8M98D7W

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5G NR n12

Part 27								
ERP Limit (W)		3.00						
Antenna Gain (dBi)_(Ant1)		-4.60						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	701.5	713.5	25.64	18.89	0.077	4490	4M49G7W
	QPSK			25.70	18.95	0.079	4518	4M52G7W
	16QAM			25.13	18.38	0.069	4496	4M50D7W
10.0	BPSK	704.0	711.0	25.70	18.95	0.079	8949	8M95G7W
	QPSK			25.63	18.88	0.077	8989	8M99G7W
	16QAM			25.13	18.38	0.069	8923	8M92D7W
15.0	BPSK	706.5	708.5	25.66	18.91	0.078	13480	13M5G7W
	QPSK			25.70	18.95	0.079	13355	13M4G7W
	16QAM			25.13	18.38	0.069	13415	13M4D7W

LTE BAND 13

Part 27								
ERP Limit (W)		3.00						
Antenna Gain (dBi)_(Ant1)		-4.70						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	779.5	784.5	25.70	18.85	0.077	4496	4M50G7W
	16QAM			25.46	18.61	0.073	4510	4M51D7W
10.0	QPSK	782.0	782.0	25.70	18.85	0.077	8966	8M97G7W
	16QAM			25.46	18.61	0.073	8960	8M96D7W

LTE BAND 14

Part 90R								
ERP Limit (W)		3.00						
Antenna Gain (dBi)_(Ant1)		-4.70						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	790.5	795.5	25.70	18.85	0.077	4495	4M50G7W
	16QAM			25.46	18.61	0.073	4501	4M50D7W
10.0	QPSK	793.0	793.0	25.70	18.85	0.077	8960	8M96G7W
	16QAM			25.46	18.61	0.073	8987	8M99D7W

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5G NR n14

Part 90R	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.70

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	790.5	795.5	25.66	18.81	0.076	4535	4M54G7W
	QPSK			25.70	18.85	0.077	4497	4M50G7W
	16QAM			24.82	17.97	0.063	4465	4M47D7W
10.0	BPSK	793.0	793.0	25.69	18.84	0.077	9014	9M01G7W
	QPSK			25.70	18.85	0.077	8953	8M95G7W
	16QAM			24.83	17.98	0.063	8969	8M97D7W

LTE BAND 17

Part 27	
ERP Limit (W)	3.00
Antenna Gain (dBi)_(Ant1)	-4.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	706.5	713.5	25.70	18.95	0.079	4506	4M51G7W
	16QAM			25.46	18.71	0.074	4504	4M50D7W
10.0	QPSK	709.0	711.0	25.70	18.95	0.079	8979	8M98G7W
	16QAM			25.46	18.71	0.074	8974	8M97D7W

LTE BAND 25

Part 24	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	0.80

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1850.7	1914.3	25.50	26.30	0.427	1093	1M09G7W
	16QAM			25.46	26.26	0.423	1100	1M10D7W
3.0	QPSK	1851.5	1913.5	25.50	26.30	0.427	2700	2M70G7W
	16QAM			25.32	26.12	0.409	2704	2M70D7W
5.0	QPSK	1852.5	1912.5	25.50	26.30	0.427	4502	4M50G7W
	16QAM			25.32	26.12	0.409	4505	4M51D7W
10.0	QPSK	1855.0	1910.0	25.50	26.30	0.427	8981	8M98G7W
	16QAM			25.32	26.12	0.409	8979	8M98D7W
15.0	QPSK	1857.5	1907.5	25.50	26.30	0.427	13457	13M5G7W
	16QAM			25.32	26.12	0.409	13480	13M5D7W
20.0	QPSK	1860.0	1905.0	25.50	26.30	0.427	17943	17M9G7W
	16QAM			25.32	26.12	0.409	17956	18M0D7W

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5G NR n25

Part 24	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	0.80

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	1852.5	1912.5	25.50	26.30	0.427	4537	4M54G7W
	QPSK			25.48	26.28	0.425	4499	4M50G7W
	16QAM			25.01	25.81	0.381	4492	4M49D7W
10.0	BPSK	1855.0	1910.0	25.47	26.27	0.424	8990	8M99G7W
	QPSK			25.50	26.30	0.427	8996	9M00G7W
	16QAM			25.01	25.81	0.381	8977	8M98D7W
15.0	BPSK	1857.5	1907.5	25.50	26.30	0.427	13499	13M5G7W
	QPSK			25.50	26.30	0.427	13437	13M4G7W
	16QAM			25.01	25.81	0.381	13403	13M4D7W
20.0	BPSK	1860.0	1905.0	25.47	26.27	0.424	17974	18M0G7W
	QPSK			25.50	26.30	0.427	17866	17M9G7W
	16QAM			25.01	25.81	0.381	17915	17M9D7W
25.0	BPSK	1862.5	1902.5	25.50	26.30	0.427	22947	22M9G7W
	QPSK			25.48	26.28	0.425	22852	22M9G7W
	16QAM			25.01	25.81	0.381	22912	22M9D7W
30.0	BPSK	1865.0	1900.0	25.47	26.27	0.424	28611	28M6G7W
	QPSK			25.50	26.30	0.427	28701	28M7G7W
	16QAM			25.01	25.81	0.381	28637	28M6D7W
40.0	BPSK	1870.0	1895.0	25.48	26.28	0.425	38701	38M7G7W
	QPSK			25.50	26.30	0.427	38725	38M7G7W
	16QAM			25.01	25.81	0.381	38625	38M6D7W

LTE BAND 26 (FCC Part 90S)

Part 90S	
Conducted Limit (W)	100.00
Antenna Gain (dBi)_(Ant1)	-5.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	814.7	823.3	25.70	0.372	1094	1M09G7W
	16QAM			25.66	0.368	1096	1M10D7W
3.0	QPSK	815.5	822.5	25.70	0.372	2708	2M71G7W
	16QAM			25.46	0.352	2705	2M71D7W
5.0	QPSK	816.5	821.5	25.70	0.372	4503	4M50G7W
	16QAM			25.46	0.352	4514	4M51D7W
10.0	QPSK	819.0	819.0	25.70	0.372	8956	8M96G7W
	16QAM			25.46	0.352	8975	8M98D7W

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5G NR n26 (FCC Par 90S)

Part 90S	
Conducted Limit (W)	100.00
Antenna Gain (dBi)_(Ant1)	-5.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	Conducted Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	816.5	821.5	25.70	0.372	4470	4M47G7W
	QPSK			25.68	0.370	4468	4M47G7W
	16QAM			24.82	0.303	4471	4M47D7W
10.0	BPSK	819.0	819.0	25.70	0.372	8931	8M93G7W
	QPSK			25.70	0.372	8931	8M93G7W
	16QAM			25.13	0.326	8892	8M89D7W

LTE BAND 26 (FCC Part 22)

Part 22	
ERP Limit (W)	7.00
Antenna Gain (dBi)_(Ant1)	-5.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.70	18.55	0.072	1091	1M09G7W
	16QAM			25.66	18.51	0.071	1094	1M09D7W
3.0	QPSK	825.5	847.5	25.70	18.55	0.072	2701	2M70G7W
	16QAM			25.46	18.31	0.068	2703	2M70D7W
5.0	QPSK	826.5	846.5	25.70	18.55	0.072	4494	4M49G7W
	16QAM			25.46	18.31	0.068	4504	4M50D7W
10.0	QPSK	829.0	844.0	25.70	18.55	0.072	8977	8M98G7W
	16QAM			25.46	18.31	0.068	8986	8M99D7W

5G NR n26 (FCC Part 22)

Part 22	
ERP Limit (W)	7.00
Antenna Gain (dBi)_(Ant1)	-5.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	826.5	846.5	25.70	18.55	0.072	4478	4M48G7W
	QPSK			25.66	18.51	0.071	4466	4M47G7W
	16QAM			25.13	17.98	0.063	4460	4M46D7W
10.0	BPSK	829.0	844.0	25.69	18.54	0.071	8916	8M92G7W
	QPSK			25.70	18.55	0.072	8945	8M95G7W
	16QAM			25.13	17.98	0.063	8919	8M92D7W

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LTE BAND 30

Part 27	
EIRP Limit (W)	0.25
Antenna Gain (dBi)_(Ant3)	-0.30

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2307.5	2312.5	23.80	23.50	0.224	4503	4M50G7W
	16QAM			23.62	23.32	0.215	4514	4M51D7W
10.0	QPSK	2310.0	2310.0	23.80	23.50	0.224	8910	8M91G7W
	16QAM			23.62	23.32	0.215	9010	9M01D7W

5G NR n30

Part 27	
EIRP Limit (W)	0.25
Antenna Gain (dBi)_(Ant3)	-0.30

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	2307.5	2312.5	23.80	23.50	0.224	4486	4M49G7W
	QPSK			23.66	23.36	0.217	4471	4M47G7W
	16QAM			22.97	22.67	0.185	4468	4M47D7W
10.0	BPSK	2310.0	2310.0	22.50	22.20	0.166	8943	8M94G7W
	QPSK			22.07	21.77	0.150	8932	8M93G7W
	16QAM			21.66	21.36	0.137	8934	8M93D7W

LTE BAND 41

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	-0.10

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2498.5	2687.5	28.00	27.90	0.617	4493	4M49G7W
	16QAM			27.71	27.61	0.577	4498	4M50D7W
10.0	QPSK	2501.0	2685.0	28.00	27.90	0.617	8988	8M99G7W
	16QAM			27.81	27.71	0.590	8973	8M97D7W
15.0	QPSK	2503.5	2682.5	28.00	27.90	0.617	13439	13M4G7W
	16QAM			27.73	27.63	0.579	13457	13M5D7W
20.0	QPSK	2506.0	2680.0	28.00	27.90	0.617	17980	18M0G7W
	16QAM			27.69	27.59	0.574	17952	18M0D7W

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5G NR n41

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant3)	-0.10

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20.0	BPSK	2506.5	2680.0	28.00	27.90	0.617	17887	17M9G7W
	QPSK			27.91	27.81	0.604	17859	17M9G7W
	16QAM			27.47	27.37	0.546	17850	17M9D7W
30.0	BPSK	2511.0	2675.0	27.95	27.85	0.610	26844	26M8G7W
	QPSK			28.00	27.90	0.617	26835	26M8G7W
	16QAM			27.47	27.37	0.546	26828	26M8D7W
40.0	BPSK	2516.0	2670.0	27.89	27.79	0.601	35751	35M8G7W
	QPSK			28.00	27.90	0.617	35708	35M7G7W
	16QAM			27.54	27.44	0.555	35727	35M7D7W
50.0	BPSK	2521.0	2665.0	27.96	27.86	0.611	45773	45M8G7W
	QPSK			28.00	27.90	0.617	45730	45M7G7W
	16QAM			27.44	27.34	0.542	45772	45M8D7W
60.0	BPSK	2526.0	2660.0	27.99	27.89	0.615	57872	57M9G7W
	QPSK			28.00	27.90	0.617	57882	57M9G7W
	16QAM			27.63	27.53	0.566	57912	57M9D7W
70.0	BPSK	2531.0	2655.0	28.00	27.90	0.617	64353	64M4G7W
	QPSK			27.92	27.82	0.605	64387	64M4G7W
	16QAM			27.24	27.14	0.518	64421	64M4D7W
80.0	BPSK	2536.0	2650.0	27.93	27.83	0.607	77119	77M1G7W
	QPSK			28.00	27.90	0.617	77088	77M1G7W
	16QAM			27.29	27.19	0.524	77175	77M2D7W
90.0	BPSK	2541.0	2645.0	27.99	27.89	0.615	86744	86M7G7W
	QPSK			28.00	27.90	0.617	86757	86M8G7W
	16QAM			27.26	27.16	0.520	86741	86M7D7W
100.0	BPSK	2546.0	2640.0	28.00	27.90	0.617	96324	96M3G7W
	QPSK			27.97	27.87	0.612	96479	96M5G7W
	16QAM			27.22	27.12	0.515	96366	96M4D7W

LTE BAND 48

LOW CHANNEL

Part 96	
EIRP Limit (W)/ 10MHz	0.20
Antenna Gain (dBi)_(Ant8)	-2.80

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	25.30	22.50	0.178	4471	4M47G7W
	16QAM			25.12	22.32	0.171	4488	4M49D7W
10.0	QPSK	3555.0	3695.0	25.30	22.50	0.178	8836	8M84G7W
	16QAM			25.12	22.32	0.171	8950	8M95D7W
15.0	QPSK	3557.5	3692.5	25.30	22.50	0.178	13441	13M4G7W
	16QAM			25.12	22.32	0.171	13354	13M4D7W
20.0	QPSK	3560.0	3690.0	25.30	22.50	0.178	17889	17M9G7W
	16QAM			25.12	22.32	0.171	17781	17M8D7W

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MIDDLE CHANNEL

Part 96	
EIRP Limit (W)/ 10MHz	0.20
Antenna Gain (dBi)_(Ant7)	-2.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	25.30	22.40	0.174	4471	4M47G7W
	16QAM			24.94	22.04	0.160	4488	4M49D7W
10.0	QPSK	3555.0	3695.0	25.30	22.40	0.174	8836	8M84G7W
	16QAM			25.07	22.17	0.165	8950	8M95D7W
15.0	QPSK	3557.5	3692.5	25.30	22.40	0.174	13441	13M4G7W
	16QAM			24.93	22.03	0.160	13354	13M4D7W
20.0	QPSK	3560.0	3690.0	25.30	22.40	0.174	17889	17M9G7W
	16QAM			25.13	22.23	0.167	17781	17M8D7W

HIGH CHANNEL

Part 96	
EIRP Limit (W)/ 10MHz	0.20
Antenna Gain (dBi)_(Ant4)	-2.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	24.40	22.40	0.174	4471	4M47G7W
	16QAM			24.22	22.22	0.167	4488	4M49D7W
10.0	QPSK	3555.0	3695.0	24.40	22.40	0.174	8836	8M84G7W
	16QAM			24.22	22.22	0.167	8950	8M95D7W
15.0	QPSK	3557.5	3692.5	24.40	22.40	0.174	13441	13M4G7W
	16QAM			24.22	22.22	0.167	13354	13M4D7W
20.0	QPSK	3560.0	3690.0	24.40	22.40	0.174	17889	17M9G7W
	16QAM			24.00	22.00	0.158	17781	17M8D7W

LTE BAND 66

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant3)	-0.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1710.7	1779.3	25.50	24.60	0.288	1085	1M09G7W
	16QAM			25.46	24.56	0.286	1073	1M07D7W
3.0	QPSK	1711.5	1778.5	25.50	24.60	0.288	2682	2M68G7W
	16QAM			25.32	24.42	0.277	2688	2M69D7W
5.0	QPSK	1712.5	1777.5	25.50	24.60	0.288	4509	4M51G7W
	16QAM			25.32	24.42	0.277	4503	4M50D7W
10.0	QPSK	1715.0	1775.0	25.50	24.60	0.288	8970	8M97G7W
	16QAM			25.32	24.42	0.277	8997	9M00D7W
15.0	QPSK	1717.5	1772.5	25.50	24.60	0.288	13455	13M5G7W
	16QAM			25.32	24.42	0.277	13367	13M4D7W
20.0	QPSK	1720.0	1770.0	25.50	24.60	0.288	17935	17M9G7W
	16QAM			25.32	24.42	0.277	17948	17M9D7W

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5G NR n66

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant3)	-0.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	1712.5	1777.5	25.50	24.60	0.288	4539	4M54G7W
	QPSK			25.49	24.59	0.288	4498	4M50G7W
	16QAM			25.01	24.11	0.258	4496	4M50D7W
10.0	BPSK	1715.0	1775.0	25.50	24.60	0.288	8987	8M99G7W
	QPSK			25.49	24.59	0.288	8963	8M96G7W
	16QAM			25.01	24.11	0.258	8966	8M97D7W
15.0	BPSK	1717.5	1772.5	25.50	24.60	0.288	13424	13M4G7W
	QPSK			25.47	24.57	0.286	13442	13M4G7W
	16QAM			25.01	24.11	0.258	13409	13M4D7W
20.0	BPSK	1720.0	1770.0	25.41	24.51	0.282	17939	17M9G7W
	QPSK			25.50	24.60	0.288	17886	17M9G7W
	16QAM			25.01	24.11	0.258	17882	17M9D7W
30.0	BPSK	1725.0	1765.0	25.42	24.52	0.283	28593	28M6G7W
	QPSK			25.00	24.10	0.257	28694	28M7G7W
	16QAM			25.01	24.11	0.258	28620	28M6D7W
40.0	BPSK	1730.0	1760.0	25.48	24.58	0.287	38591	38M6G7W
	QPSK			25.50	24.60	0.288	38487	38M5G7W
	16QAM			25.01	24.11	0.258	38588	38M6D7W

5G NR n70

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant3)	-0.90

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	1697.5	1707.5	25.48	24.58	0.287	4518	4M52G7W
	QPSK			25.50	24.60	0.288	4485	4M49G7W
	16QAM			25.01	24.11	0.258	4485	4M49D7W
10.0	BPSK	1700.0	1705.0	25.43	24.53	0.284	8967	8M97G7W
	QPSK			25.50	24.60	0.288	8963	8M96G7W
	16QAM			25.01	24.11	0.258	8947	8M95D7W
15.0	BPSK	1702.5	1702.5	25.41	24.51	0.282	13476	13M5G7W
	QPSK			25.50	24.60	0.288	13442	13M4G7W
	16QAM			25.01	24.11	0.258	13457	13M5D7W

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LTE BAND 71

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

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	665.5	695.5	25.70	18.65	0.073	4493	4M49G7W
	16QAM			25.46	18.41	0.069	4504	4M50D7W
10.0	QPSK	668.0	693.0	25.70	18.65	0.073	8955	8M96G7W
	16QAM			25.46	18.41	0.069	8965	8M97D7W
15.0	QPSK	670.5	690.5	25.70	18.65	0.073	13411	13M4G7W
	16QAM			25.46	18.41	0.069	13439	13M4D7W
20.0	QPSK	673.0	688.0	25.70	18.65	0.073	17868	17M9G7W
	16QAM			25.46	18.41	0.069	17878	17M9D7W

5G NR n71

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

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	BPSK	665.5	695.5	25.66	18.61	0.073	4534	4M53G7W
	QPSK			25.70	18.65	0.073	4496	4M50G7W
	16QAM			25.13	18.08	0.064	4476	4M48D7W
10.0	BPSK	668.0	693.0	25.53	18.48	0.070	8972	8M97G7W
	QPSK			25.70	18.65	0.073	8947	8M95G7W
	16QAM			25.13	18.08	0.064	8942	8M94D7W
15.0	BPSK	670.5	690.5	25.65	18.60	0.072	13442	13M4G7W
	QPSK			25.70	18.65	0.073	13436	13M4G7W
	16QAM			25.13	18.08	0.064	13424	13M4D7W
20.0	BPSK	673.0	688.0	25.70	18.65	0.073	17871	17M9G7W
	QPSK			25.70	18.65	0.073	17870	17M9G7W
	16QAM			25.13	18.08	0.064	17803	17M8D7W

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

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi)_(Ant7)	-2.60

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
10.0	BPSK	3455.0	3545.0	28.70	26.10	0.407	8661	8M66G7W
	QPSK			28.70	26.10	0.407	8608	8M61G7W
	16QAM			28.13	25.53	0.357	8625	8M63D7W
15.0	BPSK	3457.5	3542.5	28.67	26.07	0.405	12955	13M0G7W
	QPSK			28.70	26.10	0.407	12899	12M9G7W
	16QAM			28.13	25.53	0.357	12876	12M9D7W
20.0	BPSK	3460.0	3540.0	28.61	26.01	0.399	17943	17M9G7W
	QPSK			28.70	26.10	0.407	17890	17M9G7W
	16QAM			28.13	25.53	0.357	17879	17M9D7W
30.0	BPSK	3465.0	3535.0	28.64	26.04	0.402	26839	26M8G7W
	QPSK			28.70	26.10	0.407	26887	26M9G7W
	16QAM			28.13	25.53	0.357	26917	26M9D7W
40.0	BPSK	3470.0	3530.0	28.54	25.94	0.393	35872	35M9G7W
	QPSK			28.70	26.10	0.407	35711	35M7G7W
	16QAM			28.13	25.53	0.357	35796	35M8D7W
50.0	BPSK	3475.0	3525.0	28.70	26.10	0.407	45749	45M7G7W
	QPSK			28.61	26.01	0.399	45754	45M8G7W
	16QAM			28.13	25.53	0.357	45710	45M7D7W
60.0	BPSK	3480.0	3520.0	28.67	26.07	0.405	58090	58M1G7W
	QPSK			28.70	26.10	0.407	57847	57M8G7W
	16QAM			28.13	25.53	0.357	57981	58M0D7W
70.0	BPSK	3485.0	3515.0	28.70	26.10	0.407	64391	64M4G7W
	QPSK			28.59	25.99	0.397	64478	64M5G7W
	16QAM			28.13	25.53	0.357	64332	64M3D7W
80.0	BPSK	3490.0	3510.0	28.70	26.10	0.407	77182	77M2G7W
	QPSK			28.58	25.98	0.396	77115	77M1G7W
	16QAM			28.13	25.53	0.357	77285	77M3D7W
90.0	BPSK	3495.0	3505.0	28.70	26.10	0.407	86662	86M7G7W
	QPSK			28.65	26.05	0.403	86805	86M8G7W
	16QAM			28.13	25.53	0.357	86657	86M7D7W
100.0	BPSK	3500.0	3500.0	28.57	25.97	0.395	96617	96M6G7W
	QPSK			28.70	26.10	0.407	96485	96M5G7W
	16QAM			28.13	25.53	0.357	96645	96M6D7W

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

Part 27	
EIRP Limit (W)	1.00
Antenna Gain (dBi) (Ant7)	-3.50

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
10.0	BPSK	3705.0	3975.0	28.64	25.14	0.327	8645	8M65G7W
	QPSK			28.70	25.20	0.331	8616	8M62G7W
	16QAM			28.13	24.63	0.290	8570	8M57D7W
15.0	BPSK	3707.5	3972.5	28.67	25.17	0.329	12872	12M9G7W
	QPSK			28.70	25.20	0.331	12885	12M9G7W
	16QAM			28.13	24.63	0.290	12835	12M8D7W
20.0	BPSK	3710.0	3970.0	28.70	25.20	0.331	17902	17M9G7W
	QPSK			28.64	25.14	0.327	17931	17M9G7W
	16QAM			28.13	24.63	0.290	17873	17M9D7W
30.0	BPSK	3715.0	3965.0	28.65	25.15	0.327	26966	27M0G7W
	QPSK			28.70	25.20	0.331	26952	27M0G7W
	16QAM			28.13	24.63	0.290	26772	26M8D7W
40.0	BPSK	3720.0	3960.0	28.70	25.20	0.331	35861	35M9G7W
	QPSK			28.64	25.14	0.327	35763	35M8G7W
	16QAM			28.13	24.63	0.290	35784	35M8D7W
50.0	BPSK	3725.0	3955.0	28.54	25.04	0.319	45840	45M8G7W
	QPSK			28.70	25.20	0.331	45892	45M9G7W
	16QAM			28.13	24.63	0.290	45721	45M7D7W
60.0	BPSK	3730.0	3950.0	28.63	25.13	0.326	57916	57M9G7W
	QPSK			28.70	25.20	0.331	57814	57M8G7W
	16QAM			28.13	24.63	0.290	57814	57M8D7W
70.0	BPSK	3735.0	3945.0	28.62	25.12	0.325	64244	64M2G7W
	QPSK			28.70	25.20	0.331	64293	64M3G7W
	16QAM			28.13	24.63	0.290	64447	64M4D7W
80.0	BPSK	3740.0	3940.0	28.66	25.16	0.328	77022	77M0G7W
	QPSK			28.70	25.20	0.331	77058	77M1G7W
	16QAM			28.13	24.63	0.290	77226	77M2D7W
90.0	BPSK	3745.0	3935.0	28.65	25.15	0.327	86588	86M6G7W
	QPSK			28.70	25.20	0.331	86580	86M6G7W
	16QAM			28.13	24.63	0.290	86688	86M7D7W
100.0	BPSK	3750.0	3930.0	28.65	25.15	0.327	96249	96M2G7W
	QPSK			28.70	25.20	0.331	96332	96M3G7W
	16QAM			28.13	24.63	0.290	96063	96M1D7W

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6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version: 0.15.02.

6.4. MAXIMUM ANTENNA GAIN

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

LTE and 5G NR Bands	Frequency Range (MHz)	ANT 1 Antenna Gain (dBi)	ANT 2 Antenna Gain (dBi)	ANT 3 Antenna Gain (dBi)	ANT 4 Antenna Gain (dBi)	ANT 7 Antenna Gain (dBi)	ANT 8 Antenna Gain (dBi)	ANT 9 Antenna Gain (dBi)
LTE Band 2, 5G NR n2	1850 – 1910	-4.0	-2.3	0.8	-2.0			
LTE Band 4	1710 – 1755	-2.8	-5.1	-0.9	-2.2			
LTE Band 5, 5G NR n5	824 – 849	-5.0	-6.2					
LTE Band 7, 5G NR n7	2500 – 2570	-2.4	-3.0	-0.5	-2.2			
LTE Band 12, 5G NR n12	699 – 716	-4.6	-4.8					
LTE Band 13	777 – 787	-4.7	-5.1					
LTE Band 14, 5G NR n14	788 – 798	-4.7	-5.1					
LTE Band 17	704 – 716	-4.6	-4.8					
LTE Band 25, 5G NR n25	1850 – 1915	-4.0	-2.3	0.8	-2.0			
LTE Band 26	814 – 849	-5.0	-6.2					
LTE Band 30, 5G NR n30	2305 – 2315	-1.8	-1.5	-0.3	-1.8			
LTE Band 41, 5G NR n41 (FCC)	2496 – 2690	-2.4	-2.9	-0.1	-2.2			
LTE Band 48, (Low)	3550 – 3600				-2.2	-3.0	-2.8	-6.5
LTE Band 48, (Mid)	3600 – 3650				-2.1	-2.9	-3.0	-6.6
LTE Band 48, (High)	3650 – 3700				-2.0	-4.6	-3.7	-6.5
LTE Band 66, 5G NR n66	1710 – 1780	-2.7	-4.4	-0.9	-2.4			
5G NR n70	1695 – 1710	-2.5	-4.5	-0.9	-2.3			
LTE Band 71, 5G NR n71	663 – 698	-4.9	-5.6					
5G NR n77	3450 – 3550				-3.3	-2.6	-3.1	-5.5
5G NR n77	3700 – 3980				-2.3	-3.5	-3.1	-6.7

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6.5. WORST-CASE CONFIGURATION AND MODE

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

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

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

FCC rule Part 22.905 (824-849MHz) of LTE Band 26 and 5G NR n26 are covered by LTE Band 5 and and 5G NR n5 of same rule since they have the same output power and supported bandwidths.

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

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

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

The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and BPSK were observed as the worst mode to LTE bands and 5G NR bands respectively and set for all conducted and radiated. Output power measurements were measured on BPSK, QPSK, 16QAM, 64QAM, and 256QAM modulations. For testing purposes emissions on sections 8 and 9 were measured while QPSK/BPSK was set at or above target power for all bands. Conducted tests were performed on the worst-case antenna port because it has the highest conducted power. The worst-case antenna port is shown in the table below.

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LTE and 5G NR Bands	Worst case Antenna Port for Conducted Power
5G NR n5	Ant 1
LTE BAND 7 and 5G NR n7	
LTE BAND 12 and 5G NR n12	
LTE BAND 13	
LTE BAND 14 and 5G NR n14	
LTE Band 17	
LTE BAND 25 and 5G NR n25	
LTE BAND 26 and 5G NR n26	
LTE BAND 30 and 5G NR n30	
LTE BAND 66 and 5G NR n66	
5G NR n70	
LTE BAND 71 and 5G NR n71	
5G NR n41	
5G NR n77	Ant 7
LTE BAND 48	

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

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

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

For simultaneous transmission of multiple channels in the 2.4GHz/5GH WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies and widest operation bandwidths. No noticeable new emission was found.

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6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT				
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC
Laptop	Apple	MacBook Pro	HRP082673	BCGA1708
AC/DC adapter	Apple	A1718	C4H64450HH3GN8RA6	--

I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	3	US 115V	Un-shielded	2.0	N/A
2	USB	1	DC	Un-shielded	1.0	N/A
3	RF In/Out	1	EUT	Un-shielded	0.6	N/A
4	RF In/Out	1	Communication Test Set	Un-shielded	1.2	N/A
5	RF In/Out	1	Barrel	N/A	N/A	N/A

I/O CABLES (RF RADIATED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	RF In/Out	1	Antenna	Un-shielded	5.0	N/A

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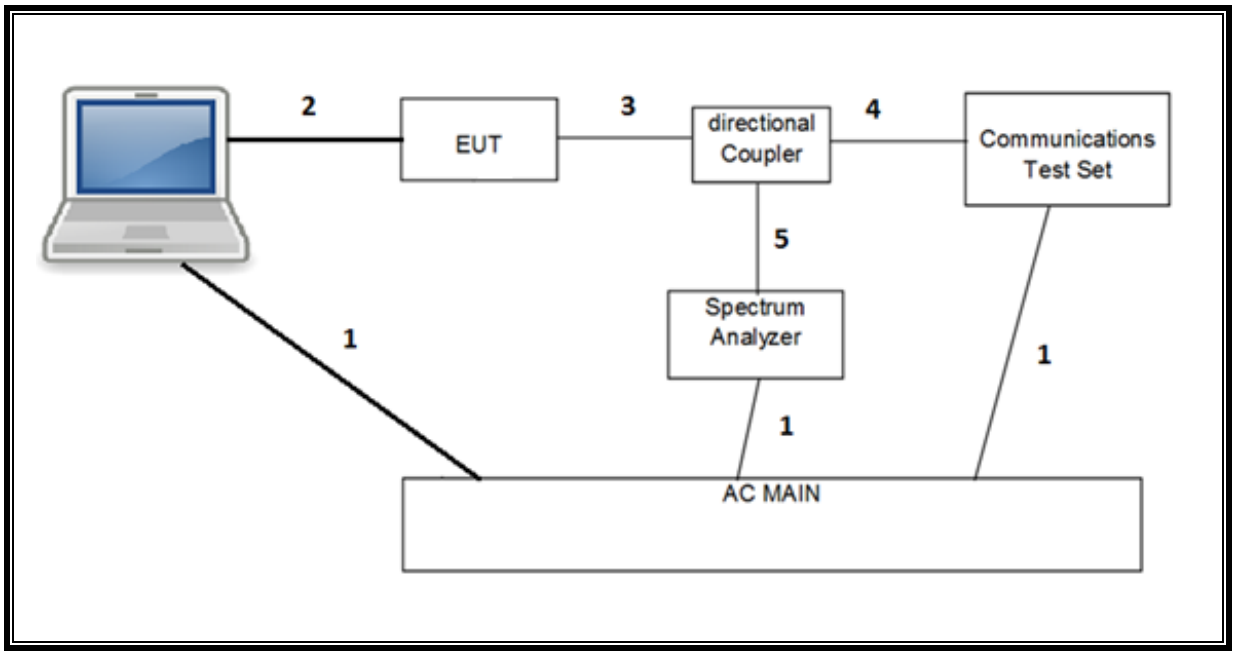
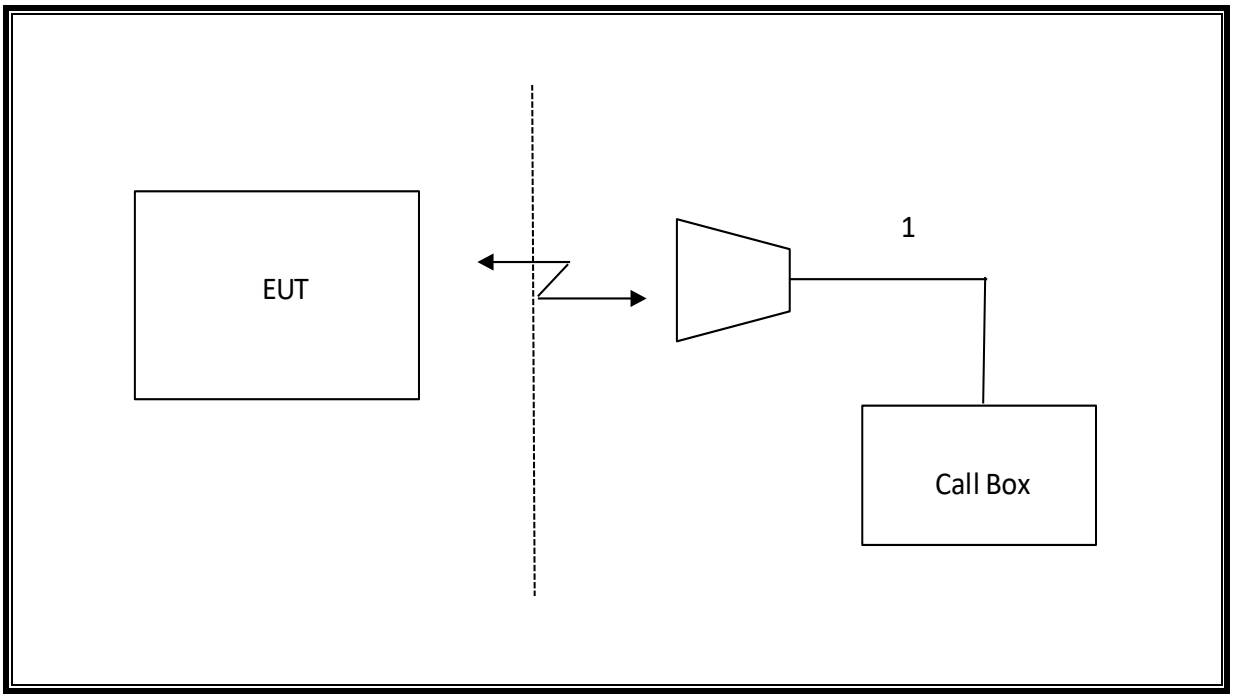
CONDUCTED SETUP



RADIATED SETUP



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7. TEST AND MEASUREMENT EQUIPMENT

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

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

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NOTES:

* Testing is completed before equipment expiration date

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

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8. RF OUTPUT POWER VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

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

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

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

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

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

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS138.521-1 specification.

The allowed MPR for SRS, PUCCH formats 0, 1, 3 and 4, and PRACH shall be as specified for QPSK modulated DFTs-OFDM of equivalent RB allocation. The allowed MPR for PUCCH format 2 shall be as specified for QPSK modulated CP-OFDM of equivalent RB allocation.

Table 6.2.2.3-1: Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5[1]	≤ 1.2[1]	≤ 0.2[1]
		≤ 0.5[2]		0[2]
	Pi/2 BPSK w Pi/2 BPSK DMRS	≤ 0.5[2]		0[2]
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

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Table 6.2.2.3-2: Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

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

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

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

The allowed A-MPR values specified below in Table 6.2.3.3.1-1 of 3GPP TS 38.521-1 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

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8.1. LTE BAND 5 AND 5G NR n5

LTE BAND 5

Test Engineer ID:	28146	Test Date:	6/19/2022

OUTPUT POWER FOR LTE BAND 5 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26797	26915	27033	26797	26915	27033
				824.7	836.5	848.3	824.7	836.5	848.3
1.4	QPSK	1	0	25.64	25.57	25.53	24.65	24.51	24.50
		1	2	25.68	25.66	25.53	24.67	24.60	24.54
		1	5	25.66	25.63	25.53	24.62	24.55	24.52
		3	0	**25.70**	25.63	25.52	24.66	24.58	24.51
		3	1	**25.70**	25.63	25.54	**24.70**	24.60	24.51
		3	2	25.69	25.61	25.54	24.68	24.60	24.52
		6	0	25.46	25.40	25.28	24.36	24.28	24.23
	16QAM	1	0	25.65	25.59	25.55	24.47	24.33	24.28
		1	2	**25.66**	25.63	25.43	24.48	24.36	24.31
		1	5	25.63	25.58	25.45	**24.52**	24.32	24.33
		3	0	25.62	25.57	25.46	24.45	24.37	24.30
		3	1	25.61	25.56	25.48	24.47	24.38	24.29
		3	2	25.61	25.59	25.45	24.48	24.38	24.31
		6	0	24.76	24.64	24.20	23.69	23.59	23.50
	64QAM	1	0	24.41	24.55	24.36	23.62	23.62	23.64
		1	2	24.51	**24.62**	24.28	23.72	23.71	23.64
		1	5	24.43	24.58	23.83	**23.76**	23.74	23.29
		3	0	24.46	24.43	24.13	23.75	23.73	23.47
		3	1	24.52	24.42	24.09	23.73	23.72	23.48
		3	2	24.49	24.41	23.95	23.74	23.65	23.43
		6	0	23.98	23.81	22.50	22.81	22.74	21.60
	256QAM	1	0	20.53	20.74	19.68	19.15	19.88	18.97
		1	2	20.56	20.79	19.69	19.29	19.80	18.94
		1	5	20.49	20.74	19.30	19.32	19.79	18.68
		3	0	20.73	20.71	19.54	19.37	19.95	18.91
		3	1	20.78	20.75	19.50	19.37	19.90	18.83
		3	2	**20.81**	20.73	19.41	19.40	19.92	18.75
		6	0	20.77	20.63	19.32	19.34	**19.96**	18.81

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OUTPUT POWER FOR LTE BAND 5 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26805	26915	27025	26805	26915	27025
				825.5	836.5	847.5	825.5	836.5	847.5
3.0	QPSK	1	0	25.67	25.55	25.49	24.66	24.48	24.49
		1	7	**25.70**	25.64	25.54	**24.70**	24.56	24.53
		1	14	25.63	25.58	25.47	24.63	24.54	24.45
		8	0	25.12	25.05	24.99	24.00	23.84	23.85
		8	4	25.15	25.06	24.99	24.02	23.93	23.88
		8	7	25.12	25.07	24.98	24.00	23.95	23.86
		15	0	25.11	25.04	24.96	24.00	23.93	23.86
	16QAM	1	0	25.39	25.35	25.33	24.28	24.22	24.19
		1	7	25.45	**25.46**	25.32	**24.36**	24.33	24.29
		1	14	25.41	25.35	25.23	24.26	24.29	24.21
		8	0	24.44	24.36	24.26	23.25	23.09	23.13
		8	4	24.50	24.39	24.26	23.29	23.21	23.14
		8	7	24.47	24.39	24.13	23.28	23.18	23.12
		15	0	24.42	24.29	24.11	23.19	23.14	23.11
	64QAM	1	0	24.62	24.45	24.62	23.46	23.39	23.39
		1	7	**24.66**	24.56	24.47	**23.52**	23.41	23.39
		1	14	24.62	24.60	23.81	23.50	23.43	23.03
		8	0	22.74	22.69	21.77	21.21	21.57	20.80
		8	4	22.76	22.71	21.69	21.25	21.69	20.82
		8	7	22.75	22.71	21.59	21.25	21.66	20.77
		15	0	22.74	22.66	21.53	21.24	21.63	20.73
	256QAM	1	0	20.66	20.65	19.70	19.27	**19.96**	18.72
		1	7	20.80	20.63	19.72	19.27	19.94	18.92
		1	14	**20.81**	20.68	19.13	19.49	19.90	18.53
		8	0	20.64	20.59	19.62	19.21	19.94	18.77
		8	4	20.71	20.58	19.54	19.24	19.90	18.82
		8	7	20.72	20.57	19.46	19.27	19.85	18.77
		15	0	20.67	20.54	19.42	19.21	19.82	18.68

OUTPUT POWER FOR LTE BAND 5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26815	26915	27015	26815	26915	27015
				826.5	836.5	846.5	826.5	836.5	846.5
5.0	QPSK	1	0	**25.70**	25.63	25.51	24.66	24.58	24.48
		1	12	25.69	25.67	25.57	**24.70**	24.66	24.57
		1	24	25.67	25.62	25.47	24.63	24.59	24.49
		12	0	25.06	24.91	24.93	23.91	23.80	23.82
		12	6	25.07	24.98	24.92	23.92	23.88	23.80
		12	11	25.02	24.96	24.88	23.89	23.85	23.80
		25	0	25.05	25.00	24.92	23.93	23.85	23.81
	16QAM	1	0	25.44	25.34	25.23	24.35	24.18	24.11
		1	12	**25.46**	25.37	25.30	**24.36**	24.24	24.20
		1	24	25.41	25.31	25.19	24.28	24.20	24.11
		12	0	24.45	24.21	24.34	23.28	23.05	23.11
		12	6	24.47	24.29	24.33	23.26	23.11	23.09
		12	11	24.45	24.26	24.25	23.23	23.10	23.07
		25	0	24.36	24.36	24.21	23.20	23.15	23.12
	64QAM	1	0	**24.66**	24.49	24.47	**23.52**	23.43	23.34
		1	12	24.62	24.50	24.24	23.49	23.45	23.35
		1	24	24.60	24.55	23.50	23.49	23.50	23.04
		12	0	22.76	22.59	21.85	21.21	21.60	20.74
		12	6	22.76	22.69	21.69	21.34	21.69	20.78
		12	11	22.73	22.68	21.53	21.45	21.66	20.78
		25	0	22.71	22.54	21.61	21.20	21.59	20.60
	256QAM	1	0	20.59	20.38	19.99	19.23	**19.96**	18.96
		1	12	20.76	20.42	19.69	19.38	19.90	18.78
		1	24	**20.81**	20.52	19.05	19.54	19.78	18.56
		12	0	20.50	20.41	19.65	19.18	19.90	18.68
		12	6	20.62	20.46	19.51	19.28	19.86	18.73
		12	11	20.70	20.45	19.36	19.40	19.72	18.73
		25	0	20.54	20.32	19.43	19.24	19.70	18.64

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OUTPUT POWER FOR LTE BAND 5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26840	26915	26990	26840	26915	26990
				829.0	836.5	844.0	829.0	836.5	844.0
10.0	QPSK	1	0	**25.70**	25.62	25.62	**24.70**	24.59	24.58
		1	24	25.67	25.67	25.61	24.67	24.62	24.62
		1	49	25.64	25.60	25.59	24.63	24.60	24.56
		25	0	25.12	25.03	24.98	24.05	23.91	23.89
		25	12	25.13	25.12	25.00	24.02	24.01	23.90
		25	24	25.11	25.09	25.06	24.01	23.98	23.95
		50	0	25.13	25.09	24.98	24.02	23.98	23.90
	16QAM	1	0	25.39	25.45	25.42	24.31	24.34	24.32
		1	24	25.33	25.39	25.37	24.24	24.26	24.30
		1	49	25.39	**25.46**	25.39	24.29	**24.36**	24.33
		25	0	24.47	24.37	24.35	23.32	23.17	23.16
		25	12	24.46	24.46	24.36	23.32	23.27	23.17
		25	24	24.43	24.43	24.40	23.29	23.23	23.23
		50	0	24.46	24.42	24.32	23.28	23.24	23.15
	64QAM	1	0	**24.66**	24.61	24.61	**23.52**	23.47	23.47
		1	24	**24.66**	24.59	24.56	23.47	23.43	23.45
		1	49	24.62	24.57	24.09	23.44	23.48	23.18
		25	0	22.75	22.66	22.38	21.37	21.58	21.03
		25	12	22.76	22.69	22.14	21.62	21.69	20.80
		25	24	22.71	22.69	21.85	21.68	21.55	20.74
		50	0	22.72	22.62	22.09	21.53	21.62	20.80
	256QAM	1	0	20.44	20.51	20.44	19.30	19.82	19.42
		1	24	**20.81**	20.51	20.00	19.83	19.85	18.95
		1	49	20.52	20.47	19.01	19.87	19.41	18.46
		25	0	20.60	20.44	20.30	19.34	**19.96**	19.09
		25	12	20.69	20.43	19.98	19.61	19.82	18.85
		25	24	20.61	20.48	19.58	19.87	19.56	18.78
		50	0	20.49	20.36	19.84	19.53	19.63	18.80

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5G NR n5

Test Engineer ID:	28416	Test Date:	6/20/2022

OUTPUT POWER FOR 5G NR n5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				165300	167300	169300	165300	167300	169300
				826.5	836.5	846.5	826.5	836.5	846.5
5.0	BPSK	1	0	25.54	25.44	25.42	24.60	24.45	24.44
		1	1	25.57	25.50	25.38	24.60	24.39	24.31
		1	23	25.54	25.40	25.33	**24.63**	24.53	24.41
		1	24	25.55	25.39	25.30	24.62	24.52	24.37
		12	6	**25.58**	25.39	25.32	24.49	24.52	24.38
		25	0	25.51	25.35	25.27	24.44	24.45	24.30
	QPSK	1	0	25.28	25.11	25.02	24.38	24.30	24.19
		1	1	**25.70**	25.52	25.42	**24.70**	24.52	24.44
		1	23	25.63	25.43	25.37	24.66	24.53	24.41
		1	24	25.20	25.09	24.78	24.30	24.31	24.18
		12	6	25.49	25.43	25.30	24.49	24.53	24.38
		25	0	25.15	25.00	24.93	24.29	24.26	24.17
	16QAM	1	0	24.94	**25.13**	25.03	24.02	24.17	**24.26**
		1	1	23.86	24.05	23.98	21.95	22.12	22.16
		1	23	23.77	24.03	23.85	21.87	22.25	22.07
		1	24	24.76	25.10	24.96	23.75	24.06	23.91
		12	6	23.94	23.83	23.75	22.85	22.80	22.74
		25	0	24.93	24.86	24.70	23.79	23.82	23.71
	64QAM	1	0	23.32	23.15	23.08	**22.56**	22.36	22.32
		1	1	**23.36**	23.18	23.07	22.53	22.39	22.35
		1	23	23.26	23.19	22.99	22.46	22.36	22.28
		1	24	23.25	23.15	22.96	22.36	22.32	22.30
		12	6	23.04	22.95	22.78	22.22	22.26	22.14
		25	0	23.09	23.06	22.88	22.30	22.31	22.10
	256QAM	1	0	21.26	21.10	20.88	20.46	20.33	20.24
		1	1	**21.31**	21.10	20.95	**20.48**	20.30	20.28
		1	23	21.19	20.97	20.92	20.47	20.36	20.21
		1	24	21.21	21.07	20.88	20.45	20.30	20.20
		12	6	21.10	20.97	20.90	20.33	20.31	20.19
		25	0	21.10	21.03	20.96	20.35	20.32	20.21

OUTPUT POWER FOR 5G NR n5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				165800	167300	168800	165800	167300	168800
				829.0	836.5	844.0	829.0	836.5	844.0
10.0	BPSK	1	0	25.66	25.58	25.45	**24.68**	24.48	24.50
		1	1	**25.70**	25.54	25.43	24.54	24.40	24.42
		1	50	25.55	25.45	25.33	24.54	24.52	24.34
		1	51	25.56	25.44	25.35	24.51	24.50	24.45
		25	12	25.63	25.51	25.42	24.58	24.51	24.43
		50	0	25.69	25.54	25.40	24.62	24.55	24.46
	QPSK	1	0	25.28	25.26	25.10	24.38	24.22	24.25
		1	1	**25.69**	25.61	25.53	**24.70**	24.51	24.52
		1	50	25.57	25.46	25.41	24.52	24.50	24.42
		1	51	25.17	25.14	25.00	24.23	24.22	24.09
		25	12	25.64	25.56	25.46	24.63	24.58	24.51
		50	0	25.27	25.15	25.06	24.30	24.26	24.16
	16QAM	1	0	**25.13**	25.11	25.06	**24.28**	24.15	24.14
		1	1	24.05	23.94	23.76	22.25	22.05	22.07
		1	50	23.88	23.81	23.74	22.17	22.15	22.01
		1	51	25.07	24.90	24.88	24.02	23.94	23.80
		25	12	23.73	23.64	23.60	22.69	22.62	22.54
		50	0	24.91	24.81	24.71	23.83	23.76	23.67
	64QAM	1	0	**23.36**	23.24	23.11	22.48	22.39	22.38
		1	1	23.27	23.23	23.10	**22.56**	22.44	22.27
		1	50	23.22	23.19	23.03	22.40	22.34	22.26
		1	51	23.14	23.06	22.99	22.34	22.34	22.18
		25	12	23.20	23.08	23.03	22.27	22.30	22.23
		50	0	23.15	23.09	23.01	22.32	22.34	22.23
	256QAM	1	0	21.30	21.18	21.08	20.43	20.33	20.31
		1	1	21.28	21.24	21.12	20.45	20.33	20.34
		1	50	21.18	21.15	21.00	20.28	20.36	20.30
		1	51	21.18	20.99	21.01	20.29	20.34	20.25
		25	12	21.28	21.16	21.12	20.41	20.38	20.34
		50	0	**21.31**	21.22	21.13	**20.48**	20.44	20.44

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OUTPUT POWER FOR 5G NR n5 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				166300	167300	168300	166300	167300	168300
				831.5	836.5	841.5	831.5	836.5	841.5
15.0	BPSK	1	0	**25.61**	25.58	25.47	**24.66**	24.63	24.54
		1	1	**25.61**	25.52	25.46	24.62	24.52	24.54
		1	77	25.45	25.39	25.31	24.48	24.35	24.38
		1	78	25.39	25.40	25.31	24.45	24.40	24.39
		36	18	25.48	25.40	25.36	24.50	24.47	24.42
		75	0	25.53	25.47	25.43	24.58	24.52	24.46
	QPSK	1	0	25.28	25.23	25.19	24.38	24.34	24.31
		1	1	**25.70**	25.59	25.56	**24.70**	24.64	24.58
		1	77	25.48	25.39	25.33	24.50	24.43	24.40
		1	78	25.05	25.08	24.97	24.14	24.11	24.06
		36	18	25.58	25.48	25.42	24.62	24.51	24.50
		75	0	25.15	25.10	25.06	24.29	24.25	24.16
	16QAM	1	0	**25.13**	25.05	24.59	**24.28**	24.23	24.20
		1	1	24.05	24.00	23.53	22.25	22.12	22.07
		1	77	23.86	23.71	23.36	21.99	21.89	21.87
		1	78	24.96	24.82	24.41	23.95	23.79	23.69
		36	18	23.65	23.58	23.55	22.78	22.60	22.55
		75	0	24.80	24.73	24.66	23.81	23.73	23.71
	64QAM	1	0	**23.36**	23.31	23.21	**22.56**	22.37	22.34
		1	1	23.29	23.27	23.20	22.46	22.45	22.40
		1	77	23.11	22.96	23.02	22.33	22.24	22.24
		1	78	23.08	22.91	22.89	22.24	22.31	22.23
		36	18	23.09	23.04	22.94	22.28	22.28	22.19
		75	0	23.06	22.98	22.95	22.30	22.23	22.19
	256QAM	1	0	21.25	**21.31**	21.20	**20.48**	20.46	20.40
		1	1	21.24	**21.31**	21.22	20.46	20.45	20.39
		1	77	20.94	20.95	20.98	20.24	20.09	20.09
		1	78	20.96	20.98	20.92	20.16	20.03	20.11
		36	18	21.22	21.13	21.07	20.41	20.33	20.29
		75	0	21.18	21.04	21.08	20.37	20.33	20.24

OUTPUT POWER FOR 5G NR n5 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				166800	167300	167800	166800	167300	167800
				834.0	836.5	839.0	834.0	836.5	839.0
20.0	BPSK	1	0	25.67	25.63	25.58	**24.61**	24.58	24.56
		1	1	**25.70**	25.66	25.59	24.58	24.59	24.60
		1	104	25.40	25.33	25.29	24.31	24.27	24.36
		1	105	25.40	25.31	25.30	24.32	24.29	24.34
		50	25	25.50	25.53	25.50	24.56	24.48	24.45
		100	0	25.51	25.55	25.49	24.56	24.50	24.45
	QPSK	1	0	25.28	25.21	25.21	24.38	24.37	24.33
		1	1	**25.64**	25.61	**25.64**	**24.70**	24.61	24.60
		1	104	25.39	25.39	25.36	24.45	24.40	24.29
		1	105	25.05	25.03	24.96	24.15	24.13	24.09
		50	25	25.56	25.56	25.48	24.55	24.56	24.48
		100	0	25.15	25.08	25.11	24.26	24.27	24.20
	16QAM	1	0	**25.13**	24.99	24.96	**24.28**	24.24	24.25
		1	1	24.05	24.05	24.01	22.25	22.21	22.15
		1	104	23.76	23.81	23.74	21.96	21.94	21.83
		1	105	24.67	24.77	24.69	23.84	23.77	23.65
		50	25	23.74	23.66	23.62	22.71	22.75	22.59
		100	0	24.74	24.67	24.61	23.68	23.70	23.63
	64QAM	1	0	23.31	**23.36**	23.34	**22.56**	22.42	22.48
		1	1	23.32	23.29	23.31	22.54	22.49	22.46
		1	104	23.06	22.86	22.81	22.29	22.34	22.13
		1	105	22.99	22.82	22.97	22.23	22.21	22.22
		50	25	23.02	22.97	22.93	22.21	22.25	22.24
		100	0	23.00	23.01	22.94	22.18	22.25	22.18
	256QAM	1	0	**21.31**	21.21	21.28	20.40	**20.48**	20.40
		1	1	21.26	21.22	21.23	20.34	20.34	20.44
		1	104	20.96	20.93	20.94	20.23	20.17	20.14
		1	105	20.99	20.95	21.05	20.15	20.22	20.04
		50	25	21.19	21.14	21.14	20.28	20.29	20.24
		100	0	21.13	21.11	21.10	20.26	20.26	20.24

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8.2. LTE BAND 7 AND 5G NR n7

LTE BAND 7

Test Engineer ID:	25602	Test Date:	6/19/2022

OUTPUT POWER FOR LTE BAND 7 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20775	21100	21425	20775	21100	21425	20775	21100	21425	20775	21100	21425
				2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5
5.0	QPSK	1	0	25.57	25.51	25.41	23.60	23.54	23.55	24.54	24.86	24.66	23.00	23.09	22.97
		1	12	**25.70**	25.59	25.53	**23.70**	23.67	23.67	24.84	24.95	24.82	**23.20**	23.19	23.08
		1	24	25.64	25.54	25.41	23.66	23.56	23.64	**25.00**	24.86	24.76	23.18	23.13	23.05
		12	0	24.90	24.85	24.76	22.78	22.66	22.72	24.14	24.31	24.16	22.64	22.63	22.56
		12	6	25.01	24.92	24.81	22.84	22.73	22.80	24.28	24.31	24.26	22.74	22.72	22.64
		12	11	25.01	24.94	24.75	22.90	22.72	22.82	24.36	24.34	24.29	22.76	22.65	22.65
		25	0	24.96	24.91	24.79	22.86	22.74	22.77	24.29	24.31	24.23	22.74	22.72	22.62
	16QAM	1	0	25.24	25.21	25.09	23.20	23.03	23.03	24.32	24.70	24.59	22.94	23.01	22.92
		1	12	**25.46**	25.36	25.24	**23.36**	23.21	23.23	24.63	**24.82**	24.71	**23.18**	23.17	23.05
		1	24	25.35	25.24	25.07	23.27	23.12	23.17	24.81	24.70	24.65	23.14	23.02	22.96
		12	0	24.46	24.18	24.22	22.21	22.18	22.24	23.35	23.61	23.44	22.34	22.30	22.25
		12	6	24.55	24.22	24.29	22.25	22.25	22.32	23.48	23.62	23.53	22.44	22.38	22.33
		12	11	24.58	24.25	24.22	22.26	22.20	22.34	23.59	23.63	23.55	22.49	22.33	22.37
		25	0	24.37	24.29	24.19	22.06	22.26	22.27	23.55	23.56	23.54	22.38	22.31	22.25
	64QAM	1	0	24.54	24.53	24.36	22.12	22.46	22.35	23.05	23.83	23.72	22.46	22.50	22.32
		1	12	24.64	24.55	24.42	22.21	22.50	22.48	23.71	23.89	23.69	22.59	22.58	22.43
		1	24	**24.66**	24.48	24.32	22.26	22.47	**22.52**	**24.00**	23.83	23.76	**22.66**	22.51	22.53
		12	0	22.67	22.65	22.51	19.98	20.58	20.29	21.21	22.07	21.85	20.29	20.73	20.12
		12	6	22.73	22.73	22.58	20.04	20.66	20.49	21.65	22.05	21.94	20.33	20.81	20.28
		12	11	22.76	22.75	22.52	20.02	20.69	20.58	21.89	22.08	21.97	20.28	20.78	20.45
		25	0	22.76	22.72	22.55	19.80	20.54	20.21	21.42	22.00	21.95	20.13	20.69	20.09
	256QAM	1	0	20.78	20.66	20.47	17.87	18.67	18.23	18.13	19.80	19.42	18.09	**18.96**	18.06
		1	12	**20.81**	20.69	20.49	17.96	18.79	18.33	18.84	19.84	19.66	18.27	18.81	18.18
		1	24	20.79	20.56	20.43	18.21	**18.96**	18.59	19.49	**20.13**	20.06	18.33	18.90	18.49
		12	0	20.55	20.56	20.42	18.00	18.67	18.21	18.55	19.80	19.36	18.32	18.87	18.00
		12	6	20.66	20.61	20.46	18.08	18.75	18.42	19.00	19.92	19.62	18.40	18.86	18.20
		12	11	20.65	20.65	20.41	18.08	18.83	18.52	19.23	19.97	19.83	18.35	18.84	18.32
		25	0	20.63	20.60	20.44	17.86	18.61	18.26	18.81	19.80	19.51	18.18	18.71	18.04

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OUTPUT POWER FOR LTE BAND 7 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20800	21100	21400	20800	21100	21400	20800	21100	21400	20800	21100	21400
				2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0
10.0	QPSK	1	0	25.65	25.61	25.53	23.66	23.49	23.45	24.44	24.72	24.57	22.96	23.03	22.86
		1	24	**25.70**	25.59	25.53	**23.70**	23.51	23.52	24.86	24.76	24.64	23.08	23.01	22.93
		1	49	25.66	25.56	25.49	23.69	23.57	23.59	**25.00**	24.77	24.69	**23.20**	23.01	22.96
		25	0	25.10	25.06	24.96	23.03	22.86	22.85	24.13	24.21	24.11	22.71	22.68	22.56
		25	12	25.04	25.06	24.98	23.00	22.89	22.89	24.23	24.16	24.13	22.72	22.70	22.61
		25	24	25.01	24.97	24.86	23.00	22.81	22.90	24.33	24.14	24.10	22.72	22.60	22.59
		50	0	25.01	25.05	24.97	22.99	22.88	22.89	24.21	24.14	24.10	22.68	22.68	22.59
	16QAM	1	0	25.43	**25.46**	25.38	**23.36**	23.26	23.24	24.18	24.62	24.54	22.94	23.08	22.96
		1	24	25.30	25.39	25.25	23.31	23.17	23.20	24.61	24.58	24.43	23.07	23.02	22.89
		1	49	25.38	25.44	25.32	23.35	23.30	**23.36**	**24.82**	24.63	24.56	**23.18**	23.08	23.03
		25	0	24.51	24.45	24.35	22.15	22.24	21.97	23.43	23.53	23.43	22.34	22.30	22.25
		25	12	24.43	24.45	24.36	22.20	22.27	22.30	23.55	23.50	23.45	22.34	22.33	22.28
		25	24	24.42	24.37	24.24	22.22	22.20	22.33	23.63	23.47	23.44	22.38	22.23	22.25
		50	0	24.39	24.45	24.33	22.01	22.26	22.14	23.49	23.44	23.39	22.30	22.30	22.21
	64QAM	1	0	24.59	24.58	24.58	21.97	22.43	21.92	23.34	23.62	23.63	22.51	22.45	22.32
		1	24	**24.66**	24.63	24.57	22.12	22.46	22.25	23.86	23.67	23.62	**22.66**	22.51	22.28
		1	49	24.64	24.60	24.52	22.15	22.48	**22.52**	**24.00**	23.73	23.68	22.55	22.48	22.42
		25	0	22.76	22.73	22.63	19.78	20.41	19.53	21.57	22.02	21.33	20.41	20.79	20.01
		25	12	22.71	22.73	22.60	19.83	20.56	19.85	21.98	21.99	21.66	20.34	20.81	20.07
		25	24	22.68	22.64	22.48	19.84	20.69	20.17	22.08	21.97	21.93	20.27	20.73	20.29
		50	0	22.66	22.71	22.59	19.63	20.39	19.73	21.63	21.99	21.64	20.14	20.75	19.99
	256QAM	1	0	20.73	20.74	20.67	17.58	18.44	17.61	17.93	19.63	18.63	17.97	18.92	17.97
		1	24	**20.81**	20.77	20.68	17.64	18.44	17.73	19.02	19.61	18.75	18.00	18.66	17.75
		1	49	20.66	20.67	20.56	17.94	**18.96**	18.40	19.43	**20.13**	19.71	18.18	**18.96**	18.40
		25	0	20.66	20.62	20.52	17.78	18.40	17.55	18.67	19.48	18.52	18.21	18.78	17.78
		25	12	20.61	20.64	20.55	17.86	18.56	17.82	19.16	19.65	18.82	18.19	18.72	17.87
		25	24	20.61	20.57	20.46	17.87	18.71	18.16	19.31	19.87	19.29	18.09	18.73	18.09
		50	0	20.58	20.61	20.53	17.65	18.39	17.74	18.80	19.51	18.78	17.99	18.58	17.79

OUTPUT POWER FOR LTE BAND 7 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20825	21100	21375	20825	21100	21375	20825	21100	21375	20825	21100	21375
				2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5
15.0	QPSK	1	0	25.65	25.57	25.55	23.61	23.43	23.44	24.55	24.81	24.61	22.95	22.35	22.96
		1	37	**25.70**	25.64	25.57	**23.70**	23.47	23.49	**25.00**	24.83	24.70	23.16	22.89	23.16
		1	74	25.61	25.57	25.51	23.66	23.50	23.53	24.98	24.79	24.71	23.19	22.92	**23.20**
		36	0	25.13	25.09	25.03	23.02	22.81	22.84	24.27	24.28	24.16	22.81	22.61	22.85
		36	16	25.13	25.10	25.00	22.98	22.86	22.90	24.38	24.30	24.20	22.89	22.66	22.86
		36	35	25.01	25.00	24.89	22.97	22.80	22.91	24.42	24.23	24.12	22.84	22.68	22.87
		75	0	25.05	25.07	24.99	23.01	22.87	22.91	24.33	24.21	24.18	22.80	22.69	22.82
	16QAM	1	0	25.37	25.38	25.29	23.25	23.09	23.09	24.29	24.46	24.34	22.93	22.69	22.94
		1	37	25.37	**25.46**	25.28	**23.36**	23.22	23.25	**24.82**	24.56	24.40	23.13	22.83	**23.18**
		1	74	25.26	25.35	25.20	23.28	23.16	23.22	24.70	24.51	24.44	**23.18**	22.92	23.17
		36	0	24.42	24.39	24.32	22.32	22.28	22.01	23.57	23.61	23.47	22.30	22.31	22.33
		36	16	24.43	24.42	24.33	22.39	22.34	22.16	23.69	23.62	23.51	22.39	22.14	22.32
		36	35	24.34	24.29	24.19	22.46	22.27	22.40	23.75	23.52	23.43	22.32	22.17	22.33
		75	0	24.33	24.37	24.30	22.27	22.34	22.26	23.63	23.53	23.51	22.28	22.17	22.29
	64QAM	1	0	**24.66**	24.57	24.43	21.87	22.39	22.32	22.97	23.70	23.64	22.23	22.16	22.48
		1	37	24.61	24.55	24.49	22.09	22.47	22.24	**24.00**	23.79	23.71	22.42	22.20	22.58
		1	74	24.55	24.50	24.39	22.21	22.48	**22.52**	23.88	23.74	23.65	22.41	22.24	**22.66**
		36	0	22.76	22.76	22.68	19.89	20.42	19.48	21.79	21.91	21.36	20.56	20.81	20.44
		36	16	22.76	22.75	22.69	19.94	20.61	19.64	22.03	21.96	21.38	20.46	20.30	20.37
		36	35	22.66	22.66	22.57	20.04	20.69	20.00	22.08	21.84	21.75	20.40	20.11	20.55
		75	0	22.68	22.74	22.68	19.83	20.51	19.76	21.80	21.87	21.61	20.31	20.25	20.33
	256QAM	1	0	**20.81**	20.71	20.72	17.53	18.26	17.68	18.00	19.52	19.00	18.12	18.93	18.09
		1	37	20.80	20.69	20.74	17.70	18.39	17.50	19.13	19.59	18.56	18.09	18.49	17.93
		1	74	20.75	20.65	20.66	18.10	**18.96**	18.28	19.51	**20.13**	19.62	18.37	17.94	**18.96**
		36	0	20.68	20.68	20.63	17.69	18.22	17.33	18.90	19.37	18.52	18.29	18.40	18.19
		36	16	20.68	20.67	20.61	17.77	18.40	17.44	19.24	19.57	18.52	18.19	18.08	18.12
		36	35	20.59	20.63	20.52	17.85	18.63	17.78	19.27	19.87	18.91	18.11	17.88	18.25
		75	0	20.60	20.68	20.59	17.66	18.34	17.57	18.93	19.56	18.73	18.11	17.99	18.07

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OUTPUT POWER FOR LTE BAND 7 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20850	21100	21350	20850	21100	21350	20850	21100	21350	20850	21100	21350
				2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0
20.0	QPSK	1	0	**25.70**	25.62	25.51	**23.70**	23.51	23.47	24.54	24.87	24.68	22.96	23.04	22.92
		1	49	25.64	25.64	25.58	23.69	23.59	23.57	24.98	24.87	24.77	23.16	23.06	22.99
		1	99	25.64	25.60	25.49	**23.70**	23.61	23.62	**25.00**	24.85	24.76	**23.20**	23.01	22.95
		50	0	25.12	25.08	25.01	22.99	22.84	22.84	24.32	24.30	24.19	22.81	22.81	22.70
		50	24	25.03	25.10	25.03	23.03	22.88	22.89	24.49	24.26	24.23	22.82	22.82	22.75
		50	49	24.98	24.99	24.89	22.94	22.81	22.83	24.41	24.26	24.14	22.83	22.72	22.63
		100	0	25.02	25.07	25.01	22.96	22.87	22.88	24.34	24.23	24.21	22.78	22.79	22.72
	16QAM	1	0	25.30	25.23	25.26	23.28	23.01	22.95	24.24	24.56	24.35	22.90	22.90	22.84
		1	49	25.34	**25.46**	25.28	**23.36**	23.29	23.22	**24.82**	24.66	24.51	23.14	**23.18**	23.00
		1	99	25.30	25.23	25.19	23.24	23.08	23.14	24.65	24.42	24.40	23.13	22.98	22.94
		50	0	24.11	24.10	24.01	22.29	22.30	22.15	23.45	23.42	23.32	22.33	22.29	22.22
		50	24	24.02	24.10	24.00	22.45	22.34	22.01	23.62	23.36	23.32	22.32	22.31	22.25
		50	49	23.99	23.99	23.87	22.38	22.27	22.28	23.56	23.34	23.26	22.33	22.21	22.16
		100	0	24.01	24.07	23.97	22.28	22.34	22.14	23.46	23.34	23.32	22.29	22.28	22.20
	64QAM	1	0	24.30	24.22	24.26	22.18	22.31	22.34	23.03	23.49	23.54	22.48	22.37	22.35
		1	49	**24.66**	24.44	24.53	22.30	**22.52**	21.84	**24.00**	23.65	23.55	22.58	22.49	22.38
		1	99	24.32	24.20	24.21	22.50	22.44	22.45	23.86	23.49	23.63	**22.66**	22.38	22.35
		50	0	22.76	22.73	22.69	19.84	20.36	19.76	21.84	21.93	21.80	20.38	20.78	20.66
		50	24	22.70	22.74	22.71	19.98	20.59	19.60	22.08	21.87	21.41	20.31	20.81	20.18
		50	49	22.65	22.64	22.57	20.15	20.69	19.89	22.08	21.87	21.67	20.49	20.71	20.14
		100	0	22.68	22.74	22.66	19.88	20.49	19.73	21.84	21.86	21.66	20.27	20.79	20.31
	256QAM	1	0	**20.81**	20.74	20.67	17.48	18.22	18.26	18.03	19.60	19.72	17.61	18.71	18.73
		1	49	20.68	20.67	20.70	17.53	18.17	17.21	19.04	19.48	18.21	17.45	18.13	17.38
		1	99	20.69	20.68	20.68	18.37	**18.96**	18.10	19.77	**20.13**	19.39	18.48	**18.96**	17.95
		50	0	20.64	20.62	20.58	17.59	18.09	17.57	18.87	19.25	18.91	17.71	18.43	18.03
		50	24	20.57	20.64	20.60	17.72	18.33	17.35	19.13	19.53	18.47	17.64	18.33	17.53
		50	49	20.57	20.57	20.50	17.91	18.64	17.60	19.24	19.93	18.71	17.77	18.41	17.47
		100	0	20.56	20.65	20.58	17.61	18.22	17.50	18.89	19.47	18.74	17.86	18.31	17.67

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5G NR n7

Test Engineer ID:	19146	Test Date:	4/18/2022

OUTPUT POWER FOR 5G NR n7 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				500500	507000	513500	500500	507000	513500	500500	507000	513500	500500	507000	513500
				2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5
5.0	BPSK	1	0	25.35	25.25	25.38	23.40	23.35	23.37	24.04	24.51	24.66	22.88	22.90	22.90
		1	1	25.61	25.48	25.57	23.59	23.45	23.59	24.34	24.70	24.85	23.08	23.09	23.07
		1	23	**25.65**	25.55	25.63	23.68	23.58	**23.69**	24.72	24.78	24.89	**23.20**	23.15	23.13
		1	24	25.38	25.33	25.47	23.39	23.37	23.46	24.49	24.60	24.68	22.99	22.90	23.01
		12	6	25.59	25.50	25.64	23.49	23.52	23.63	24.40	24.75	**24.90**	23.10	23.06	23.13
		25	0	25.32	25.25	25.26	23.20	23.24	23.38	24.18	24.48	24.61	22.81	22.81	22.84
	QPSK	1	0	25.22	25.15	25.27	23.16	23.18	23.30	23.94	24.39	24.57	22.58	22.71	22.68
		1	1	25.60	25.47	25.66	23.60	23.52	23.59	24.34	24.78	24.92	23.09	23.11	23.11
		1	23	25.69	25.59	**25.70**	23.53	23.59	**23.70**	24.67	24.83	**25.00**	23.17	23.15	**23.18**
		1	24	25.24	25.25	25.27	23.29	23.27	23.38	24.36	24.49	24.58	22.73	22.72	22.78
		12	6	25.56	25.54	25.54	23.52	23.50	23.68	24.34	24.75	24.91	23.02	23.10	23.14
		25	0	25.22	25.16	25.28	23.15	23.18	23.30	24.15	24.43	24.54	22.58	22.62	22.69
	16QAM	1	0	24.62	24.92	25.03	22.76	23.02	23.20	23.48	24.23	24.35	21.98	**22.63**	22.53
		1	1	23.65	23.88	23.99	20.76	21.16	21.25	22.13	22.93	23.05	19.54	20.11	20.12
		1	23	23.57	23.98	24.05	20.78	21.24	21.25	22.60	23.06	23.12	19.76	20.12	20.16
		1	24	24.70	24.98	**25.13**	22.89	23.14	**23.28**	23.91	24.34	**24.43**	22.33	22.56	22.61
		12	6	23.72	23.63	23.64	20.98	20.77	20.96	22.61	23.00	23.13	21.11	21.13	21.25
		25	0	24.74	24.71	24.73	22.89	22.84	22.92	23.77	24.01	24.10	22.27	22.27	22.36
	64QAM	1	0	23.33	23.21	23.32	21.46	21.27	21.45	21.98	22.48	22.50	20.61	20.70	20.72
		1	1	23.28	23.24	23.29	21.51	21.38	21.50	22.06	22.48	22.56	20.66	20.74	20.71
		1	23	**23.36**	23.30	23.32	**21.56**	21.47	21.53	22.62	22.52	22.63	20.80	20.73	20.68
		1	24	23.29	23.23	23.32	21.49	21.48	21.51	22.42	22.54	**22.66**	**20.86**	20.69	20.74
		12	6	23.14	23.09	23.07	21.23	21.20	21.27	22.00	22.22	22.33	20.40	20.55	20.48
		25	0	23.09	23.04	23.18	21.30	21.25	21.38	22.03	22.34	22.41	20.49	20.58	20.59
	256QAM	1	0	21.24	21.06	21.29	19.45	19.23	19.33	20.08	20.36	20.49	18.58	18.65	18.60
		1	1	21.24	21.06	21.25	19.36	19.36	19.25	20.05	20.39	20.55	18.71	18.64	18.57
		1	23	21.28	21.14	21.22	19.46	19.28	19.37	20.35	20.47	**20.61**	**18.81**	18.72	18.70
		1	24	21.30	21.19	21.23	**19.48**	19.27	19.33	20.39	20.47	20.55	18.78	18.74	18.73
		12	6	21.23	21.16	**21.31**	19.35	19.30	19.46	20.20	20.43	**20.61**	18.73	18.78	18.65
		25	0	21.17	21.18	21.21	19.26	19.25	19.33	20.10	20.41	20.53	18.68	18.70	18.66

OUTPUT POWER FOR 5G NR n7 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				501000	507000	513000	501000	507000	513000	501000	507000	513000	501000	507000	513000
				2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0
10.0	BPSK	1	0	25.39	25.35	25.36	23.31	23.28	23.38	24.07	24.61	24.65	22.74	22.86	22.88
		1	1	25.60	25.53	25.63	23.54	23.49	23.56	24.31	24.80	24.91	22.93	23.03	23.01
		1	50	25.64	25.63	**25.70**	23.57	23.59	**23.70**	24.89	24.91	**25.00**	**23.17**	23.12	23.07
		1	51	25.44	25.43	25.53	23.34	23.38	23.46	24.70	24.69	24.80	22.98	22.91	22.92
		25	12	25.58	25.52	25.52	23.46	23.44	23.57	24.56	24.75	24.89	23.04	23.01	23.03
		50	0	25.43	25.33	25.45	23.33	23.28	23.42	24.43	24.59	24.76	22.88	22.96	22.90
	QPSK	1	0	25.24	25.16	25.28	23.24	23.22	23.31	23.94	24.42	24.49	22.61	22.69	22.71
		1	1	25.58	25.55	25.63	23.55	23.54	23.65	24.39	24.73	24.93	22.97	23.07	23.11
		1	50	**25.66**	25.64	25.65	23.56	23.57	**23.69**	24.89	24.92	**24.99**	**23.20**	23.15	23.13
		1	51	25.28	25.24	25.19	23.22	23.22	23.38	24.45	24.47	24.58	22.78	22.74	22.73
		25	12	25.61	25.54	25.59	23.52	23.49	23.65	24.67	24.82	24.95	23.06	23.04	23.10
		50	0	25.21	25.16	25.19	23.19	23.15	23.30	24.23	24.37	24.48	22.68	22.66	22.70
	16QAM	1	0	24.94	24.95	25.10	23.15	23.14	**23.28**	23.67	24.22	24.21	22.31	22.44	22.49
		1	1	23.89	23.96	23.94	21.12	21.14	21.15	22.55	23.07	23.05	19.90	20.05	20.05
		1	50	23.92	23.96	24.05	21.21	21.25	21.23	23.07	23.06	23.10	20.19	20.11	20.19
		1	51	25.10	25.04	**25.13**	23.16	23.20	23.23	24.31	24.35	**24.43**	**22.63**	22.55	22.56
		25	12	23.70	23.52	23.65	20.88	20.82	20.93	22.82	23.02	23.16	21.17	21.27	21.23
		50	0	24.73	24.70	24.84	22.90	22.93	22.96	23.87	24.01	24.07	22.33	22.34	22.31
	64QAM	1	0	23.06	23.25	23.23	21.23	21.39	21.44	21.95	22.64	22.54	20.52	20.64	20.55
		1	1	23.24	23.24	23.24	21.39	21.28	21.27	22.06	22.61	22.52	20.54	20.53	20.68
		1	50	23.23	23.28	**23.36**	21.46	21.42	**21.56**	22.59	22.65	**22.66**	**20.86**	20.69	20.68
		1	51	23.27	23.22	23.25	21.30	21.29	21.40	22.45	22.58	**22.66**	20.77	20.84	20.70
		25	12	23.04	22.98	23.11	21.25	21.13	21.30	22.18	22.38	22.45	20.50	20.52	20.54
		50	0	23.09	22.99	23.12	21.25	21.16	21.28	22.20	22.42	22.45	20.53	20.58	20.54
	256QAM	1	0	21.13	21.14	21.14	19.26	19.29	19.41	19.94	20.48	20.54	18.50	18.62	18.60
		1	1	21.22	21.14	21.24	19.30	19.40	19.34	20.07	20.49	20.53	18.63	18.59	18.72
		1	50	**21.31**	21.16	21.25	19.38	19.35	19.45	20.55	20.60	20.50	18.78	18.68	18.79
		1	51	21.18	21.26	21.21	19.35	19.34	19.46	20.55	20.55	20.49	18.79	18.64	18.78
		25	12	21.15	21.12	21.18	19.32	19.35	19.35	20.24	20.47	20.49	18.68	18.64	18.70
		50	0	21.23	21.19	21.26	19.43	19.43	**19.48**	20.36	20.54	**20.61**	18.76	18.75	**18.81**

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OUTPUT POWER FOR 5G NR n7 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				501500	507000	512500	501500	507000	512500	501500	507000	512500	501500	507000	512500
				2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5
15.0	BPSK	1	0	25.37	25.33	25.42	23.32	23.22	23.41	23.97	24.56	24.69	22.61	22.73	22.87
		1	1	25.58	25.54	**25.66**	23.53	23.48	23.64	24.19	24.77	24.91	22.84	22.88	23.11
		1	77	25.50	25.61	25.65	23.42	23.53	**23.66**	24.75	24.77	**24.98**	23.12	23.04	**23.17**
		1	78	25.29	25.42	25.44	23.20	23.29	23.50	24.55	24.58	24.73	22.87	22.83	22.94
		36	18	25.52	25.43	25.51	23.36	23.39	23.60	24.54	24.67	24.89	22.88	22.85	23.03
		75	0	25.23	25.27	25.35	23.13	23.21	23.38	24.34	24.48	24.70	22.73	22.70	22.90
	QPSK	1	0	25.18	25.03	25.28	23.14	23.27	23.37	23.94	24.56	24.68	22.66	22.77	22.94
		1	1	25.52	25.51	**25.70**	23.43	23.51	23.63	24.17	24.78	24.98	22.93	23.03	23.15
		1	77	25.52	25.66	25.65	23.44	23.53	**23.70**	24.75	24.82	**25.00**	23.08	23.08	**23.20**
		1	78	25.00	25.23	25.20	23.13	23.26	23.48	24.50	24.60	24.74	22.94	22.87	22.93
		36	18	25.46	25.47	25.59	23.50	23.43	23.62	24.56	24.75	24.91	22.93	22.90	23.07
		75	0	25.02	25.05	25.18	23.11	23.16	23.40	24.26	24.47	24.66	22.78	22.74	22.90
	16QAM	1	0	24.87	24.74	25.00	22.92	23.05	23.12	23.88	24.32	24.44	22.43	22.53	22.61
		1	1	23.76	23.68	24.05	21.69	21.82	21.94	22.46	23.01	23.10	20.68	20.73	20.87
		1	77	23.87	23.92	23.97	21.75	21.77	22.05	22.86	23.05	23.09	20.93	20.84	20.89
		1	78	24.75	24.89	**25.13**	22.94	22.99	**23.13**	24.35	24.37	**24.51**	22.60	22.52	**22.71**
		36	18	23.62	23.58	23.67	21.53	21.44	21.72	22.38	22.41	22.66	20.67	20.57	20.76
		75	0	24.63	24.56	24.67	22.69	22.73	22.98	23.83	24.05	24.24	22.32	22.25	22.45
	64QAM	1	0	23.27	23.19	23.24	20.92	20.95	21.15	21.44	21.80	22.07	20.05	19.99	20.23
		1	1	23.14	23.24	23.26	20.98	21.07	21.21	21.25	21.90	**22.16**	19.94	20.11	20.25
		1	77	23.12	23.22	23.32	20.91	21.10	**21.36**	21.85	21.91	22.05	20.35	20.30	**20.36**
		1	78	23.07	23.18	**23.36**	20.92	20.97	21.24	21.83	21.84	22.03	20.35	20.05	**20.36**
		36	18	23.03	22.91	23.07	20.86	20.75	21.01	21.59	21.73	21.87	19.97	20.00	20.11
		75	0	22.94	22.91	23.01	20.70	20.73	20.93	21.48	21.58	21.87	19.89	19.88	20.05
	256QAM	1	0	21.03	20.93	21.15	19.03	19.09	19.25	19.38	19.76	**20.11**	17.95	18.02	18.16
		1	1	21.11	21.02	21.18	19.14	19.18	19.18	19.41	19.85	19.98	17.95	18.05	18.07
		1	77	21.17	21.17	**21.31**	18.96	19.05	19.30	19.80	19.86	20.09	18.19	18.09	**18.31**
		1	78	21.16	21.20	21.25	19.17	19.01	19.20	19.80	19.82	20.06	18.16	18.23	18.21
		36	18	21.12	21.08	21.30	19.15	19.07	19.29	19.77	19.83	20.07	18.10	18.10	18.16
		75	0	21.09	21.10	21.24	19.14	19.08	**19.31**	19.72	19.84	20.05	18.04	18.14	18.23

OUTPUT POWER FOR 5G NR n7 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				502000	507000	512000	502000	507000	512000	502000	507000	512000	502000	507000	512000
				2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0
20.0	BPSK	1	0	25.37	25.36	25.43	23.27	23.20	23.39	24.08	24.60	24.63	22.71	22.87	22.92
		1	1	25.55	25.46	25.59	23.41	23.52	23.63	24.15	24.72	24.89	23.03	23.01	23.09
		1	104	25.48	25.61	**25.64**	23.47	23.52	23.68	24.72	24.80	**24.95**	23.10	23.09	**23.17**
		1	105	25.36	25.40	25.41	23.20	23.32	23.46	24.65	24.65	24.75	22.90	22.88	22.96
		50	25	25.47	25.51	25.58	23.38	23.43	**23.69**	24.68	24.75	24.91	23.06	23.00	23.15
		100	0	25.27	25.34	25.40	23.20	23.24	23.40	24.45	24.53	24.72	22.88	22.83	22.95
	QPSK	1	0	25.15	25.09	25.24	23.13	23.20	23.32	23.75	24.42	24.47	22.57	22.62	22.74
		1	1	25.47	25.47	**25.70**	23.45	23.47	23.56	24.22	24.81	24.93	23.04	23.04	23.19
		1	104	25.55	25.69	25.65	23.49	23.60	**23.70**	24.78	24.87	**25.00**	23.11	23.14	**23.20**
		1	105	25.12	25.20	25.28	23.15	23.23	23.38	24.32	24.50	24.58	22.67	22.67	22.78
		50	25	25.58	25.51	25.62	23.44	23.43	23.62	24.68	24.73	24.93	23.07	22.97	23.16
		100	0	24.98	25.08	25.11	23.10	23.11	23.28	24.24	24.30	24.54	22.62	22.62	22.69
	16QAM	1	0	25.01	24.89	25.02	23.09	23.05	23.19	23.71	24.20	24.40	22.14	22.41	22.60
		1	1	24.05	23.88	24.02	21.12	21.03	21.16	22.45	22.97	23.16	19.76	19.99	20.31
		1	104	23.92	24.01	24.05	20.90	21.15	21.25	23.04	23.08	23.20	19.67	20.13	20.16
		1	105	24.91	24.96	**25.13**	23.09	23.09	**23.28**	24.15	24.23	**24.43**	22.22	22.49	**22.63**
		50	25	23.65	23.61	23.74	20.69	20.79	20.98	22.83	22.90	23.10	21.15	20.98	21.15
		100	0	24.64	24.68	24.81	22.76	22.79	22.99	23.91	24.04	24.21	22.22	22.15	22.29
	64QAM	1	0	23.08	23.24	23.19	21.33	21.11	**21.56**	21.96	22.40	22.52	20.46	20.63	20.62
		1	1	23.17	23.13	23.28	21.09	21.27	21.34	21.93	22.36	22.57	20.61	20.50	20.73
		1	104	23.01	23.16	**23.36**	21.19	21.35	21.39	22.31	22.45	**22.66**	20.72	20.50	**20.86**
		1	105	23.01	23.13	23.34	21.17	21.22	**21.56**	22.40	22.41	22.52	20.63	20.50	20.70
		50	25	23.03	22.97	23.15	20.88	21.04	21.21	22.18	22.17	22.47	20.43	20.42	20.48
		100	0	22.94	22.92	23.15	20.92	21.00	21.18	22.05	22.17	22.41	20.49	20.34	20.45
	256QAM	1	0	21.18	21.11	21.19	19.21	19.19	19.31	19.73	20.51	20.28	18.56	18.79	18.70
		1	1	21.06	21.08	21.25	19.40	19.04	19.36	19.93	20.38	20.45	18.41	18.55	18.65
		1	104	21.08	21.28	**21.31**	19.10	19.20	19.32	20.36	20.41	**20.61**	**18.81**	18.59	18.78
		1	105	21.21	21.18	21.19	19.18	19.19	19.40	20.40	20.35	20.42	18.66	18.63	18.73
		50	25	21.16	21.10	21.26	19.22	19.24	**19.48**	20.35	20.30	20.56	18.68	18.67	18.71
		100	0	21.13	21.10	21.27	19.22	19.20	19.34	20.14	20.27	20.51	18.58	18.63	18.65

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OUTPUT POWER FOR 5G NR n7 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				502500	507000	511500	502500	507000	511500	502500	507000	511500	502500	507000	511500
				2512.5	2535.0	2557.5	2512.5	2535.0	2557.5	2512.5	2535.0	2557.5	2512.5	2535.0	2557.5
25.0	BPSK	1	0	25.33	25.23	25.37	23.21	23.19	23.24	24.04	24.52	24.67	22.67	22.93	22.87
		1	1	25.49	25.50	25.61	23.39	23.40	23.57	24.22	24.67	24.79	22.86	**23.18**	23.09
		1	131	25.52	**25.65**	25.62	23.42	23.52	**23.70**	24.71	24.82	**24.94**	23.01	22.98	23.16
		1	132	25.30	25.44	25.42	23.28	23.38	23.48	24.53	24.58	24.71	22.86	23.01	22.92
		64	32	25.42	25.50	25.63	23.38	23.41	23.55	24.66	24.67	24.86	23.11	22.90	23.12
		128	0	25.19	25.27	25.35	23.12	23.18	23.35	24.41	24.46	24.62	22.82	22.77	22.90
	QPSK	1	0	25.16	25.19	25.26	23.12	23.16	23.22	23.91	24.38	24.52	22.54	22.73	22.67
		1	1	25.66	25.54	25.63	23.46	23.53	23.50	24.25	24.71	24.83	22.94	23.16	23.14
		1	131	25.59	25.66	25.63	23.43	23.60	**23.64**	24.77	24.74	**25.00**	23.06	23.11	**23.20**
		1	132	25.14	25.28	25.27	23.11	23.26	23.38	24.39	24.47	24.58	22.60	22.75	22.78
		64	32	25.47	25.47	**25.70**	23.35	23.45	23.57	24.71	24.67	24.86	23.05	22.96	23.08
		128	0	25.05	25.12	25.20	23.03	23.07	23.22	24.22	24.30	24.48	22.62	22.52	22.64
	16QAM	1	0	**25.13**	24.89	24.96	23.20	23.06	23.21	23.66	24.04	24.16	22.29	22.53	22.61
		1	1	23.86	23.89	24.02	21.13	21.12	21.12	22.60	22.95	23.13	19.91	20.07	20.04
		1	131	23.92	24.04	24.05	21.19	21.12	21.25	22.92	22.98	23.19	20.11	20.08	20.16
		1	132	24.91	25.07	24.99	23.04	23.17	**23.28**	24.15	24.17	**24.43**	22.40	22.42	**22.63**
		64	32	23.62	23.66	23.80	20.73	20.80	20.93	22.86	22.93	23.15	21.27	21.12	21.27
		128	0	24.65	24.68	24.79	22.71	22.76	22.90	23.79	23.84	24.08	22.16	22.17	22.29
	64QAM	1	0	22.98	23.02	23.26	21.32	21.29	21.34	21.84	22.17	22.49	20.59	**20.86**	20.70
		1	1	23.07	23.26	23.10	21.35	21.25	21.28	21.87	22.44	22.43	20.13	20.53	20.61
		1	131	23.21	23.24	23.12	21.28	21.37	**21.56**	22.51	22.51	22.54	20.72	20.51	20.64
		1	132	23.09	23.29	**23.36**	21.45	21.31	21.37	22.23	22.42	**22.66**	20.60	20.46	20.59
		64	32	22.95	22.91	23.07	20.98	21.07	21.28	22.06	22.09	22.28	20.39	20.34	20.41
		128	0	22.89	22.90	23.06	21.04	21.07	21.25	22.05	22.07	22.28	20.44	20.28	20.43
	256QAM	1	0	21.14	21.13	21.15	19.38	19.30	19.29	19.94	20.34	20.42	18.56	18.66	18.66
		1	1	21.12	21.09	21.14	19.33	19.02	19.22	19.89	20.43	20.54	18.56	18.64	18.64
		1	131	21.09	21.22	21.21	19.21	19.46	**19.48**	20.31	20.46	20.60	**18.81**	18.56	18.62
		1	132	21.21	**21.31**	21.28	19.28	19.31	19.43	20.25	20.52	**20.61**	18.45	18.59	18.77
		64	32	21.18	21.10	21.23	19.27	19.18	19.38	20.30	20.36	20.52	18.69	18.65	18.72
		128	0	21.16	21.06	21.19	19.17	19.19	19.35	20.26	20.37	20.48	18.73	18.67	18.69

OUTPUT POWER FOR 5G NR n7 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				503000	507000	511000	503000	507000	511000	503000	507000	511000	503000	507000	511000
				2515.0	2535.0	2555.0	2515.0	2535.0	2555.0	2515.0	2535.0	2555.0	2515.0	2535.0	2555.0
30.0	BPSK	1	0	25.39	25.35	25.49	23.25	23.19	23.36	24.14	24.56	24.77	22.73	22.96	22.98
		1	1	25.56	25.61	**25.66**	23.45	23.51	23.58	24.44	24.87	24.96	22.93	23.18	23.13
		1	158	25.50	25.60	25.56	23.42	23.49	**23.70**	24.80	24.95	**24.99**	23.13	23.04	**23.20**
		1	159	25.34	25.41	25.41	23.24	23.41	23.46	24.61	24.71	24.75	22.96	22.89	22.98
		80	40	25.51	25.54	25.60	23.40	23.48	23.53	24.84	24.81	24.94	23.00	22.96	23.01
		160	0	25.35	25.38	25.42	23.25	23.29	23.36	24.61	24.66	24.75	22.83	22.83	22.85
	QPSK	1	0	25.28	25.18	25.28	23.09	23.13	23.19	24.03	24.43	24.45	22.59	22.78	22.67
		1	1	25.60	25.57	**25.70**	23.52	23.50	23.55	24.39	24.91	**25.00**	22.92	**23.20**	23.12
		1	158	25.61	25.61	25.62	23.51	23.55	**23.56**	24.84	24.91	**25.00**	23.06	23.09	23.09
		1	159	25.27	25.27	25.28	23.06	23.14	23.38	24.34	24.46	24.58	22.73	22.62	22.64
		80	40	25.53	25.53	25.61	23.41	23.44	23.50	24.88	24.83	24.88	23.07	22.97	23.02
		160	0	25.17	25.19	25.25	23.06	23.11	23.13	24.27	24.36	24.43	22.59	22.58	22.64
	16QAM	1	0	25.07	24.98	25.07	23.16	22.98	23.11	23.75	24.20	24.28	22.47	22.60	**22.63**
		1	1	23.93	23.85	23.90	21.03	21.06	21.02	22.50	23.04	22.99	20.01	20.11	20.04
		1	158	23.93	24.05	23.93	21.00	21.25	21.20	23.03	22.98	23.28	20.00	20.02	19.88
		1	159	24.90	25.10	**25.13**	23.02	23.13	**23.28**	24.10	24.18	**24.43**	22.49	22.61	**22.63**
		80	40	23.59	23.61	23.70	20.68	20.76	20.73	22.89	22.87	22.94	21.12	21.15	21.12
		160	0	24.73	24.73	24.78	22.78	22.79	22.87	23.90	23.89	23.98	22.24	22.26	22.29
	64QAM	1	0	**23.36**	23.18	23.32	21.50	21.47	21.45	21.63	22.30	22.57	20.47	20.69	20.75
		1	1	23.30	23.24	23.20	21.44	21.38	21.33	21.77	22.05	22.54	20.61	20.51	20.63
		1	158	23.00	22.98	23.11	21.31	21.38	**21.56**	22.29	22.30	22.52	**20.86**	20.49	20.64
		1	159	23.06	23.06	23.03	21.41	21.27	21.45	22.30	22.34	**22.66**	20.61	20.50	20.64
		80	40	22.90	22.94	23.01	21.07	21.15	21.17	22.12	22.10	22.18	20.37	20.41	20.40
		160	0	22.95	22.95	22.98	21.12	21.14	21.19	22.11	22.14	22.19	20.41	20.40	20.39
	256QAM	1	0	21.06	20.97	21.29	19.44	19.27	19.20	19.90	20.36	20.44	18.45	18.64	18.61
		1	1	21.08	21.20	21.16	19.25	**19.48**	19.47	19.86	20.45	20.59	18.59	18.69	18.67
		1	158	20.93	21.02	**21.31**	19.18	19.35	19.29	**20.61**	20.40	20.55	18.56	18.63	18.75
		1	159	21.12	21.15	21.20	19.34	19.42	19.47	20.35	20.35	20.56	18.66	**18.81**	18.80
		80	40	20.97	21.02	21.12	19.25	19.29	19.36	20.39	20.43	20.47	18.73	18.56	18.61
		160	0	21.02	21.06	21.09	19.29	19.33	19.38	20.40	20.38	20.43	18.64	18.65	18.62

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OUTPUT POWER FOR 5G NR n7 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				504000	507000	510000	504000	507000	510000	504000	507000	510000	504000	507000	510000
				2520.0	2535.0	2550.0	2520.0	2535.0	2550.0	2520.0	2535.0	2550.0	2520.0	2535.0	2550.0
40.0	BPSK	1	0	25.51	25.32	25.40	23.36	23.31	23.20	23.98	24.50	24.64	22.76	22.78	22.87
		1	1	25.64	25.54	25.56	23.53	23.54	23.45	24.17	24.76	24.81	22.98	23.01	23.02
		1	214	**25.67**	**25.67**	25.52	23.60	23.51	**23.70**	24.77	24.81	**24.94**	23.03	22.94	**23.20**
		1	215	25.48	25.50	25.40	23.48	23.50	23.55	24.54	24.57	24.80	22.83	22.87	22.85
		108	54	24.59	25.52	23.59	23.47	23.49	23.50	24.67	24.67	24.82	23.00	22.90	22.99
		216	0	23.99	25.39	23.24	23.34	22.55	23.30	24.46	24.55	24.60	22.84	22.75	21.29
	QPSK	1	0	22.34	25.21	23.17	23.29	21.58	23.24	24.02	24.45	24.54	22.70	22.78	21.42
		1	1	23.12	25.60	23.98	23.55	22.10	23.54	24.27	24.78	24.92	22.84	23.06	22.10
		1	214	23.58	**25.70**	21.96	23.60	20.91	**23.67**	24.89	24.90	**25.00**	23.07	**23.09**	19.88
		1	215	22.82	25.28	21.11	23.38	20.20	23.32	24.56	24.56	24.58	22.76	22.78	19.28
		108	54	25.59	25.59	25.68	23.49	23.56	23.56	24.75	24.76	24.84	23.03	22.95	23.05
		216	0	25.22	25.21	25.21	23.24	23.24	23.32	24.34	24.50	24.54	22.72	22.71	22.74
	16QAM	1	0	25.07	25.04	25.08	23.03	23.09	23.24	23.58	24.24	24.24	22.38	**22.63**	22.36
		1	1	24.05	23.98	23.87	21.10	21.19	21.25	22.72	23.11	23.03	20.02	20.16	20.03
		1	214	24.00	23.86	23.95	21.20	21.23	21.17	22.93	23.32	23.22	20.20	20.32	20.28
		1	215	**25.13**	24.96	25.02	23.15	**23.28**	23.14	24.24	24.32	**24.43**	22.57	22.48	22.61
		108	54	23.69	23.69	23.74	20.89	20.89	20.96	22.83	22.94	22.93	21.23	21.10	21.10
		216	0	24.83	24.84	24.84	22.84	22.82	22.87	23.95	24.09	24.11	22.32	22.27	22.35
	64QAM	1	0	22.92	23.07	23.11	21.31	21.27	21.12	22.00	22.49	22.34	20.41	20.58	**20.86**
		1	1	**23.36**	23.07	23.19	21.30	21.31	21.30	21.75	22.51	22.22	20.49	**20.86**	20.76
		1	214	23.26	23.03	23.23	21.45	21.40	21.42	22.54	**22.66**	22.53	20.55	20.60	20.66
		1	215	23.10	23.19	23.24	21.28	**21.56**	21.49	22.30	22.31	22.41	20.74	20.53	20.70
		108	54	22.88	22.88	22.92	21.01	21.07	21.12	22.01	22.17	22.19	20.43	20.40	20.37
		216	0	22.94	22.91	22.96	21.13	21.15	21.13	22.06	22.21	22.25	20.49	20.42	20.53
	256QAM	1	0	21.08	20.95	20.98	19.34	19.29	19.08	20.00	20.37	20.30	18.48	18.59	18.57
		1	1	21.13	21.09	20.91	19.35	19.10	19.21	19.81	20.38	20.40	18.50	18.73	18.46
		1	214	21.20	21.23	21.13	**19.48**	19.16	19.30	20.35	20.59	**20.61**	18.67	18.77	18.69
		1	215	21.12	20.99	**21.31**	19.28	19.32	19.39	20.49	20.52	20.59	18.67	18.68	**18.81**
		108	54	20.94	20.97	20.96	19.07	19.07	19.22	20.29	20.35	20.40	18.51	18.50	18.56
		216	0	21.00	21.05	20.98	19.14	19.12	19.24	20.27	20.37	20.38	18.53	18.55	18.56

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8.3. LTE BAND 12 AND 5G NR n12

LTE BAND 12

Test Engineer ID:	25602	Test Date:	4/18/2022

OUTPUT POWER FOR LTE BAND 12 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23017	23095	23173	23017	23095	23173
				699.7	707.5	715.3	699.7	707.5	715.3
1.4	QPSK	1	0	25.69	25.47	25.51	24.63	24.65	24.69
		1	2	25.68	25.50	25.52	24.64	**24.70**	24.66
		1	5	25.67	25.47	25.45	24.59	24.60	24.61
		3	0	**25.70**	25.50	25.54	24.63	24.66	24.64
		3	1	25.69	25.50	25.55	24.62	24.66	24.64
		3	2	25.68	25.48	25.50	24.62	24.64	24.62
		6	0	25.46	25.26	25.27	24.36	24.26	24.36
	16QAM	1	0	25.65	25.63	25.51	24.43	24.19	**24.52**
		1	2	25.65	**25.66**	25.56	24.42	24.12	24.50
		1	5	25.65	25.57	25.46	24.37	24.14	24.43
		3	0	**25.66**	25.47	25.44	24.35	24.12	24.39
		3	1	**25.66**	25.47	25.45	24.35	24.09	24.34
		3	2	25.63	25.46	25.41	24.34	24.08	24.33
		6	0	24.76	24.61	24.61	23.69	22.60	23.69
	64QAM	1	0	24.59	24.49	24.43	23.68	22.52	23.74
		1	2	**24.62**	24.57	24.48	**23.76**	22.49	23.64
		1	5	24.52	24.43	24.55	23.62	22.36	23.51
		3	0	24.52	24.31	24.42	23.51	22.48	23.49
		3	1	24.50	24.31	24.42	23.52	22.43	23.52
		3	2	24.48	24.29	24.41	23.52	22.44	23.48
		6	0	23.98	23.31	23.70	22.81	20.75	22.34
	256QAM	1	0	**20.81**	20.00	20.38	19.90	17.37	19.11
		1	2	20.78	20.02	20.41	**19.96**	17.33	19.01
		1	5	20.70	19.86	20.29	19.88	17.31	18.70
		3	0	20.73	19.99	20.29	19.82	17.34	19.02
		3	1	20.70	20.00	20.31	19.85	17.31	18.95
		3	2	20.67	19.96	20.34	19.83	17.34	18.83
		6	0	20.80	20.04	20.10	19.70	17.28	18.91

OUTPUT POWER FOR LTE BAND 12 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23025	23095	23165	23025	23095	23165
				700.5	707.5	714.5	700.5	707.5	714.5
3.0	QPSK	1	0	25.57	25.52	25.62	24.61	24.60	24.63
		1	7	25.61	25.68	**25.70**	24.67	24.69	**24.70**
		1	14	25.46	25.53	25.53	24.53	24.61	24.56
		8	0	24.94	24.92	25.03	23.93	23.88	23.94
		8	4	24.95	25.03	25.06	23.94	23.86	23.91
		8	7	24.92	25.00	25.00	23.89	23.82	23.91
		15	0	24.91	24.97	24.99	23.88	23.80	23.89
	16QAM	1	0	25.16	25.34	25.32	24.21	24.21	24.27
		1	7	25.27	25.44	**25.46**	**24.36**	24.02	24.34
		1	14	25.11	25.28	25.30	24.21	24.00	24.21
		8	0	24.28	24.24	24.36	23.32	22.28	23.31
		8	4	24.28	24.35	24.38	23.34	22.24	23.32
		8	7	24.27	24.31	24.34	23.31	22.18	23.29
		15	0	24.23	24.29	24.32	23.23	22.18	23.26
	64QAM	1	0	24.49	**24.66**	24.47	23.43	22.53	**23.52**
		1	7	24.56	24.52	24.56	23.51	22.25	23.51
		1	14	24.47	24.39	24.49	23.38	22.28	23.34
		8	0	22.76	22.36	22.30	21.65	19.62	21.57
		8	4	22.65	22.30	22.47	21.69	19.56	21.59
		8	7	22.57	22.25	22.52	21.65	19.52	21.47
		15	0	22.53	22.16	22.33	21.58	19.54	21.35
	256QAM	1	0	**20.81**	20.37	20.28	19.84	17.52	19.07
		1	7	20.72	20.36	20.58	**19.96**	17.33	19.43
		1	14	20.50	20.22	20.47	19.62	17.19	18.86
		8	0	20.71	20.25	20.23	19.81	17.37	19.18
		8	4	20.62	20.20	20.38	19.83	17.29	19.28
		8	7	20.52	20.17	20.46	19.76	17.26	19.14
		15	0	20.55	20.15	20.30	19.71	17.26	19.05

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OUTPUT POWER FOR LTE BAND 12 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23035	23095	23155	23035	23095	23155
				701.5	707.5	713.5	701.5	707.5	713.5
5.0	QPSK	1	0	25.54	25.55	25.61	24.57	24.58	24.61
		1	12	25.61	25.69	**25.70**	24.63	**24.70**	24.67
		1	24	25.53	25.60	25.57	24.53	24.60	24.57
		12	0	24.95	24.93	24.95	23.91	23.85	23.86
		12	6	24.99	25.01	24.98	23.90	23.78	23.86
		12	11	24.92	24.97	25.01	23.84	23.76	23.88
		25	0	24.95	24.98	24.95	23.87	23.77	23.83
	16QAM	1	0	25.34	25.31	25.36	24.26	24.21	24.24
		1	12	25.41	**25.46**	25.43	24.31	23.90	**24.36**
		1	24	25.30	25.29	25.27	24.25	24.01	24.18
		12	0	24.30	24.39	24.19	23.27	22.29	23.25
		12	6	24.32	24.47	24.40	23.29	22.16	23.26
		12	11	24.26	24.41	24.41	23.25	22.09	23.29
		25	0	24.39	24.40	24.34	23.22	22.20	23.14
	64QAM	1	0	24.61	24.58	24.32	23.45	22.66	22.98
		1	12	**24.66**	24.61	24.61	**23.52**	22.19	23.45
		1	24	24.36	24.53	24.64	23.42	22.26	23.35
		12	0	22.76	22.61	22.07	21.68	19.95	20.84
		12	6	22.56	22.56	22.41	21.69	19.78	21.43
		12	11	22.38	22.46	22.61	21.27	19.70	21.58
		25	0	22.52	22.34	22.23	21.46	19.66	21.12
	256QAM	1	0	**20.81**	20.31	20.00	**19.96**	18.14	18.64
		1	12	20.57	20.30	20.18	19.72	17.63	19.50
		1	24	20.00	20.25	20.37	18.93	17.72	19.26
		12	0	20.67	20.31	19.81	**19.96**	17.82	18.71
		12	6	20.48	20.27	20.15	19.71	17.66	19.31
		12	11	20.30	20.15	20.37	19.28	17.56	19.47
		25	0	20.37	20.17	20.06	19.46	17.62	19.03

OUTPUT POWER FOR LTE BAND 12 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23060	23095	23130	23060	23095	23130
				704.0	707.5	711.0	704.0	707.5	711.0
10.0	QPSK	1	0	25.66	**25.70**	**25.70**	24.66	24.66	**24.70**
		1	24	25.68	25.69	25.68	24.63	24.68	24.69
		1	49	25.62	25.65	25.68	24.57	24.61	24.64
		25	0	24.89	24.94	24.95	23.82	23.86	23.85
		25	12	24.97	25.01	24.97	23.90	23.93	23.94
		25	24	24.95	25.00	25.00	23.87	23.90	23.89
		50	0	24.95	25.00	24.96	23.89	23.93	23.86
	16QAM	1	0	25.35	**25.46**	25.40	24.22	24.35	**24.36**
		1	24	25.21	25.35	25.31	24.12	24.06	24.26
		1	49	25.26	25.35	25.42	24.09	24.29	24.29
		25	0	24.33	24.33	24.35	23.31	22.77	22.42
		25	12	24.38	24.41	24.18	23.25	22.39	22.96
		25	24	24.36	24.27	24.36	22.56	22.55	23.36
		50	0	24.34	24.24	24.22	23.23	22.61	23.09
	64QAM	1	0	**24.66**	24.61	24.60	**23.52**	23.37	22.68
		1	24	24.59	24.57	24.39	23.51	22.31	22.76
		1	49	24.57	24.31	24.56	22.52	22.61	23.49
		25	0	22.76	22.62	22.51	21.69	20.35	19.88
		25	12	22.60	22.63	22.34	20.94	19.94	20.41
		25	24	22.63	22.42	22.49	20.17	20.03	21.18
		50	0	22.63	22.38	22.34	20.91	20.10	20.53
	256QAM	1	0	**20.81**	20.27	20.28	**19.96**	18.93	18.26
		1	24	20.36	20.43	20.15	18.96	17.90	18.32
		1	49	20.25	19.94	20.26	18.06	18.19	19.16
		25	0	20.45	20.31	20.20	19.67	18.27	17.80
		25	12	20.31	20.33	20.02	18.83	17.83	18.30
		25	24	20.33	20.11	20.15	18.06	17.92	19.09
		50	0	20.33	20.06	20.08	18.81	18.00	18.43

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5G NR n12

Test Engineer ID:	19146	Test Date:	4/18/2022

OUTPUT POWER FOR 5G NR n12 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				140300	141500	142700	140300	141500	142700
				701.5	707.5	713.5	701.5	707.5	713.5
5.0	BPSK	1	0	25.40	25.34	25.35	24.32	24.25	24.22
		1	1	25.61	25.55	25.54	**24.70**	24.64	24.61
		1	23	25.62	25.50	25.45	24.50	24.35	24.36
		1	24	25.40	25.27	25.31	24.27	24.28	24.15
		12	6	**25.64**	25.55	25.44	24.50	24.42	24.42
		25	0	25.35	25.28	25.11	24.22	24.14	24.11
	QPSK	1	0	25.28	25.18	25.20	24.38	24.27	24.29
		1	1	**25.70**	25.58	25.54	24.51	24.48	24.43
		1	23	25.65	25.48	25.44	24.51	24.43	24.36
		1	24	25.28	25.15	25.07	24.36	24.28	24.27
		12	6	25.64	25.56	25.48	**24.54**	24.45	24.44
		25	0	25.27	25.13	25.08	24.34	24.24	24.23
	16QAM	1	0	**25.13**	25.01	24.92	**24.28**	24.16	24.07
		1	1	24.05	23.96	23.87	21.60	21.52	21.61
		1	23	23.94	23.90	23.85	21.55	21.63	21.54
		1	24	25.04	24.95	24.98	24.23	24.25	24.14
		12	6	23.72	23.66	23.64	22.87	22.82	22.85
		25	0	24.82	24.70	24.76	23.98	23.99	23.93
	64QAM	1	0	23.30	23.35	23.32	**22.56**	22.40	22.34
		1	1	23.35	**23.36**	23.35	22.45	22.51	22.43
		1	23	23.27	23.14	23.30	22.50	22.49	22.33
		1	24	**23.36**	23.17	23.23	22.48	22.47	22.33
		12	6	23.21	23.03	23.09	22.24	22.21	22.24
		25	0	23.24	23.09	23.19	22.35	22.26	22.21
	256QAM	1	0	21.27	21.21	21.24	20.46	20.29	20.42
		1	1	**21.31**	21.12	21.16	20.42	20.34	20.30
		1	23	21.17	21.09	21.13	20.36	**20.48**	20.27
		1	24	21.13	21.17	21.13	20.46	20.40	20.32
		12	6	21.27	21.18	21.26	20.40	20.38	20.43
		25	0	21.21	21.13	21.12	20.33	20.34	20.28

OUTPUT POWER FOR 5G NR n12 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				140800	141500	142200	140800	141500	142200
				704.0	707.5	711.0	704.0	707.5	711.0
10.0	BPSK	1	0	25.49	25.45	25.35	24.45	24.40	24.27
		1	1	**25.70**	25.64	25.56	**24.70**	24.58	24.57
		1	50	25.52	25.55	25.48	24.50	24.53	24.48
		1	51	25.31	25.34	25.26	24.27	24.28	24.24
		25	12	25.56	25.48	25.43	24.53	24.48	24.52
		50	0	25.40	25.34	25.29	24.28	24.30	24.31
	QPSK	1	0	25.28	25.28	25.23	24.38	24.31	24.18
		1	1	**25.63**	25.51	25.54	**24.67**	24.64	24.57
		1	50	25.48	25.54	25.50	24.51	24.52	24.44
		1	51	25.20	25.14	25.19	24.16	24.19	24.12
		25	12	25.62	25.56	25.48	24.55	24.51	24.54
		50	0	25.23	25.22	25.14	24.22	24.15	24.21
	16QAM	1	0	**25.13**	24.96	25.01	**24.28**	24.10	24.05
		1	1	24.05	24.02	23.99	22.17	22.25	21.99
		1	50	23.96	23.98	23.86	22.02	22.03	22.10
		1	51	24.88	24.97	24.85	24.16	24.10	24.01
		25	12	23.78	23.72	23.59	22.92	22.83	22.90
		50	0	24.75	24.70	24.66	23.96	23.86	23.93
	64QAM	1	0	23.25	23.29	23.29	22.37	22.26	22.42
		1	1	23.34	**23.36**	23.16	**22.56**	22.45	22.42
		1	50	23.25	23.32	23.07	22.30	22.33	22.33
		1	51	23.09	23.18	23.22	22.26	22.25	22.20
		25	12	23.16	23.08	23.02	22.23	22.11	22.19
		50	0	23.18	23.05	23.01	22.20	22.14	22.18
	256QAM	1	0	21.19	21.02	21.09	20.36	20.36	20.45
		1	1	21.30	21.16	21.15	20.28	20.32	20.30
		1	50	21.20	21.18	21.12	20.42	20.44	20.28
		1	51	21.23	21.24	21.15	20.47	20.40	20.31
		25	12	21.18	21.11	21.21	20.35	20.33	20.39
		50	0	**21.31**	21.19	21.14	**20.48**	20.43	20.46

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OUTPUT POWER FOR 5G NR n12 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				141300	141500	141700	141300	141500	141700
				706.5	707.5	708.5	706.5	707.5	708.5
15.0	BPSK	1	0	25.51	25.48	25.45	24.42	24.41	24.43
		1	1	**25.66**	25.62	25.64	**24.70**	24.64	24.66
		1	77	25.40	25.36	25.38	24.52	24.45	24.54
		1	78	25.20	25.27	25.18	24.35	24.28	24.29
		36	18	25.50	25.46	25.48	24.50	24.47	24.46
		75	0	25.35	25.35	25.32	24.36	24.33	24.30
	QPSK	1	0	25.28	25.20	25.21	24.33	24.38	24.35
		1	1	**25.70**	25.69	25.67	**24.68**	24.64	24.66
		1	77	25.45	25.44	25.43	24.60	24.50	24.57
		1	78	25.01	24.94	25.00	24.25	24.21	24.20
		36	18	25.58	25.54	25.55	24.55	24.53	24.53
		75	0	24.98	24.84	24.97	24.23	24.22	24.25
	16QAM	1	0	**25.13**	25.12	25.05	**24.28**	24.25	24.19
		1	1	24.05	23.96	23.96	22.25	22.24	22.22
		1	77	23.81	23.77	23.71	22.03	22.02	22.03
		1	78	24.87	24.83	24.81	24.07	24.05	24.26
		36	18	23.65	23.59	23.59	22.79	22.79	22.83
		75	0	24.75	24.69	24.71	23.91	23.84	23.88
	64QAM	1	0	23.17	**23.36**	23.15	22.44	22.41	22.38
		1	1	23.22	23.28	23.28	22.34	**22.56**	22.29
		1	77	22.99	22.94	23.00	22.41	22.31	22.29
		1	78	22.95	23.05	23.06	22.39	22.44	22.25
		36	18	22.99	22.99	23.01	22.13	22.22	22.19
		75	0	22.94	22.93	22.91	22.13	22.18	22.16
	256QAM	1	0	**21.31**	21.22	21.19	20.30	**20.48**	20.33
		1	1	21.28	21.21	21.15	20.30	20.31	20.45
		1	77	21.04	20.92	20.91	20.15	20.26	20.22
		1	78	21.01	20.94	20.93	20.13	20.25	20.08
		36	18	21.07	21.06	21.04	20.26	20.25	20.26
		75	0	21.12	21.10	21.07	20.31	20.30	20.26

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8.4. LTE BAND 13

Test Engineer ID:	25602	Test Date:	4/18/2022

OUTPUT POWER FOR LTE BAND 13 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23205	23230	23255	23205	23230	23255
				779.5	782.0	784.5	779.5	782.0	784.5
5.0	QPSK	1	0	25.60	25.55	25.59	24.49	24.52	24.56
		1	12	25.63	25.69	**25.70**	24.57	24.62	**24.70**
		1	24	25.56	25.57	25.60	24.46	24.55	24.54
		12	0	24.99	24.88	24.91	23.68	23.76	23.78
		12	6	25.02	24.99	24.95	23.79	23.85	23.81
		12	11	24.98	24.97	25.00	23.76	23.83	23.85
		25	0	24.99	24.98	24.93	23.79	23.83	23.76
	16QAM	1	0	25.41	25.31	25.36	23.72	24.17	24.19
		1	12	**25.46**	25.43	25.44	24.24	24.31	**24.36**
		1	24	25.36	25.30	25.34	24.13	24.20	24.19
		12	0	24.37	24.43	24.34	22.17	23.22	23.25
		12	6	24.42	24.54	24.38	22.79	23.33	23.29
		12	11	24.37	24.51	24.43	23.25	23.28	22.94
		25	0	24.42	24.40	24.32	22.76	23.23	23.16
	64QAM	1	0	24.18	24.56	24.57	22.24	23.30	23.46
		1	12	24.64	**24.66**	**24.66**	22.95	23.47	**23.52**
		1	24	24.63	24.54	24.58	23.47	23.47	22.84
		12	0	22.05	22.44	22.65	19.68	21.24	21.56
		12	6	22.27	22.67	22.70	20.22	21.69	21.07
		12	11	22.35	22.76	22.73	20.93	21.65	20.59
		25	0	22.11	22.61	22.69	20.33	21.36	20.90
	256QAM	1	0	19.29	20.25	20.77	17.94	19.00	19.88
		1	12	20.10	20.69	20.80	18.59	**19.96**	19.13
		1	24	20.30	20.67	20.60	19.72	19.43	18.50
		12	0	19.85	20.28	20.73	17.84	19.39	19.75
		12	6	20.06	20.54	**20.81**	18.35	19.89	19.26
		12	11	20.14	20.73	20.68	19.05	19.90	18.78
		25	0	19.94	20.43	20.60	18.45	19.54	19.11

OUTPUT POWER FOR LTE BAND 13 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	23230	N/A	N/A	23230	N/A
				N/A	782.0	N/A	N/A	782.0	N/A
10.0	QPSK	1	0		25.69			24.68	
		1	24		**25.70**			**24.70**	
		1	49		25.66			24.66	
		25	0		25.05			23.98	
		25	12		25.14			24.06	
		25	24		25.13			24.02	
		50	0		25.16			24.07	
	16QAM	1	0		**25.46**			23.94	
		1	24		25.38			24.28	
		1	49		25.40			**24.36**	
		25	0		24.31			22.98	
		25	12		24.40			23.22	
		25	24		24.37			23.19	
		50	0		24.40			23.11	
	64QAM	1	0		24.42			22.19	
		1	24		**24.66**			**23.52**	
		1	49		24.64			22.80	
		25	0		22.24			20.84	
		25	12		22.62			21.69	
		25	24		22.76			21.34	
		50	0		22.40			21.01	
	256QAM	1	0		19.60			18.00	
		1	24		20.75			**19.96**	
		1	49		20.50			18.68	
		25	0		20.26			18.77	
		25	12		20.62			19.64	
		25	24		**20.81**			19.35	
		50	0		20.39			18.98	

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8.5. LTE BAND 14 AND 5G NR n14

LTE BAND 14

Test Engineer ID:	25602	Test Date:	4/18/2022

OUTPUT POWER FOR LTE BAND 14 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23305	23330	23355	23305	23330	23355
				790.5	793.0	795.5	790.5	793.0	795.5
5.0	QPSK	1	0	25.47	25.57	25.60	24.62	24.60	24.59
		1	12	25.54	25.65	**25.70**	24.67	24.69	**24.70**
		1	24	25.48	25.54	25.53	24.54	24.56	24.52
		12	0	24.94	24.93	24.92	23.90	23.83	23.81
		12	6	24.97	25.02	24.93	23.87	23.90	23.80
		12	11	24.86	24.93	24.92	23.78	23.82	23.80
		25	0	24.91	24.96	24.90	23.83	23.86	23.77
	16QAM	1	0	25.41	25.28	25.31	24.27	24.20	24.22
		1	12	25.45	25.44	**25.46**	24.26	**24.36**	24.31
		1	24	25.32	25.27	25.27	24.19	24.17	24.15
		12	0	24.34	24.38	24.38	23.39	23.35	23.23
		12	6	24.36	24.45	24.39	23.38	23.43	23.12
		12	11	24.27	24.42	24.37	23.30	23.35	22.98
		25	0	24.26	24.35	24.26	23.29	23.26	23.08
	64QAM	1	0	24.52	24.57	24.58	**23.52**	23.48	23.47
		1	12	24.55	**24.66**	24.60	23.46	**23.52**	23.37
		1	24	24.45	24.52	24.54	23.43	23.45	23.16
		12	0	22.44	22.66	22.61	21.69	21.37	20.70
		12	6	22.72	22.76	22.63	21.69	21.11	20.56
		12	11	22.63	22.65	22.45	21.54	20.84	20.42
		25	0	22.59	22.68	22.57	21.37	20.93	20.46
	256QAM	1	0	20.09	20.72	20.79	19.89	19.93	19.26
		1	12	20.40	**20.81**	20.54	**19.96**	19.49	18.95
		1	24	20.66	20.79	20.05	19.64	19.20	18.77
		12	0	20.01	20.65	20.64	19.93	19.66	19.04
		12	6	20.32	20.79	20.42	19.92	19.41	18.85
		12	11	20.53	20.69	20.13	19.77	19.15	18.72
		25	0	20.25	20.57	20.27	19.70	19.29	18.79

OUTPUT POWER FOR LTE BAND 14 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	23330	N/A	N/A	23330	N/A
				N/A	793.0	N/A	N/A	793.0	N/A
10.0	QPSK	1	0		**25.70**			**24.70**	
		1	24		25.66			24.69	
		1	49		25.60			24.63	
		25	0		24.96			23.92	
		25	12		25.04			24.01	
		25	24		25.00			23.95	
		50	0		25.01			23.99	
	16QAM	1	0		**25.46**			**24.36**	
		1	24		25.36			24.27	
		1	49		25.27			24.29	
		25	0		24.28			23.10	
		25	12		24.36			23.20	
		25	24		24.34			23.07	
		50	0		24.34			23.17	
	64QAM	1	0		**24.66**			**23.52**	
		1	24		24.64			23.47	
		1	49		24.58			23.16	
		25	0		22.67			21.69	
		25	12		22.76			21.30	
		25	24		22.70			20.83	
		50	0		22.69			21.15	
	256QAM	1	0		20.38			19.94	
		1	24		**20.81**			19.54	
		1	49		20.14			19.03	
		25	0		20.52			**19.96**	
		25	12		20.79			19.58	
		25	24		20.50			19.12	
		50	0		20.39			19.46	

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5G NR n14

Test Engineer ID:	19146	Test Date:	4/18/2022

OUTPUT POWER FOR 5G NR n14 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				158100	158600	159100	158100	158600	159100
				790.5	793.0	795.5	790.5	793.0	795.5
5.0	BPSK	1	0	23.70	23.66	23.66	22.70	22.65	22.62
		1	1	**25.66**	25.55	25.56	**24.70**	24.55	24.52
		1	23	25.55	25.47	25.45	24.55	24.47	24.55
		1	24	23.60	23.55	23.52	22.60	22.55	22.67
		12	6	25.54	25.50	25.47	24.54	24.49	24.51
		25	0	25.24	25.24	25.17	24.27	24.23	24.11
	QPSK	1	0	23.56	23.50	23.51	22.67	22.63	22.62
		1	1	**25.70**	25.54	25.54	**24.69**	24.60	24.58
		1	23	25.54	25.43	25.44	24.56	24.46	24.60
		1	24	23.45	23.44	23.37	22.53	22.54	22.65
		12	6	25.52	25.51	25.46	24.53	24.51	24.50
		25	0	25.21	25.16	25.14	24.28	24.27	24.22
	16QAM	1	0	23.28	23.19	23.15	22.54	22.42	22.39
		1	1	23.68	24.05	24.01	21.89	22.25	22.22
		1	23	23.64	23.94	23.89	21.76	22.12	22.19
		1	24	23.23	23.11	23.24	22.39	22.32	22.39
		12	6	23.78	23.61	23.67	22.54	22.52	22.43
		25	0	**24.82**	24.77	24.75	**23.64**	23.56	23.56
	64QAM	1	0	23.28	23.19	23.15	22.54	22.42	22.39
		1	1	**23.36**	23.21	23.11	**22.56**	22.48	22.47
		1	23	23.22	23.16	23.17	22.39	22.31	22.41
		1	24	23.23	23.11	23.24	22.39	22.32	22.39
		12	6	23.03	22.98	22.98	22.15	22.20	22.16
		25	0	23.11	23.01	23.01	22.24	22.21	22.19
	256QAM	1	0	21.20	21.04	21.09	20.44	20.25	20.22
		1	1	**21.31**	21.12	21.00	20.44	20.28	20.30
		1	23	21.15	21.04	21.06	**20.48**	20.28	20.43
		1	24	21.19	21.00	21.07	20.46	20.30	20.27
		12	6	21.20	21.11	21.11	20.38	20.29	20.47
		25	0	21.12	21.06	21.01	20.37	20.32	20.37

OUTPUT POWER FOR 5G NR n14 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	158600	N/A	N/A	158600	N/A
				N/A	793.0	N/A	N/A	793.0	N/A
10.0	BPSK	1	0		23.70			22.70	
		1	1		**25.69**			**24.60**	
		1	50		25.53			24.52	
		1	51		23.55			22.57	
		25	12		25.56			24.57	
		50	0		25.38			24.36	
	QPSK	1	0		23.50			22.62	
		1	1		**25.70**			**24.70**	
		1	50		25.55			24.47	
		1	51		23.34			22.45	
		25	12		25.59			24.56	
		50	0		25.15			24.21	
	16QAM	1	0		23.35			22.52	
		1	1		24.05			22.25	
		1	50		23.94			22.06	
		1	51		23.19			22.02	
		25	12		23.74			22.50	
		50	0		**24.83**			**23.63**	
	64QAM	1	0		**23.36**			**22.56**	
		1	1		23.26			22.49	
		1	50		23.31			22.32	
		1	51		23.28			22.24	
		25	12		23.21			22.23	
		50	0		23.11			22.20	
	256QAM	1	0		21.21			20.41	
		1	1		21.14			20.31	
		1	50		21.26			20.41	
		1	51		21.29			20.48	
		25	12		21.27			20.43	
		50	0		**21.31**			**20.48**	

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8.6. LTE BAND 17

Test Engineer ID:	25602	Test Date:	4/18/2022

OUTPUT POWER FOR LTE BAND 17 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23755	23790	23825	23755	23790	23825
				706.5	710.0	713.5	706.5	710.0	713.5
5.0	QPSK	1	0	25.67	**25.70**	25.68	24.69	24.67	24.68
		1	12	**25.70**	25.69	25.69	24.65	**24.70**	24.65
		1	24	25.54	25.54	25.54	24.54	24.54	24.52
		12	0	25.03	25.04	25.03	24.02	23.64	23.94
		12	6	25.06	25.11	24.98	23.80	23.91	23.88
		12	11	24.97	25.01	24.97	23.62	23.91	23.86
		25	0	25.02	25.08	24.96	23.66	23.84	23.87
	16QAM	1	0	25.42	**25.46**	25.44	24.28	23.92	24.34
		1	12	25.43	25.45	25.45	23.91	24.05	**24.36**
		1	24	25.31	25.30	25.30	23.74	24.22	24.19
		12	0	24.42	24.45	24.24	22.51	22.11	23.32
		12	6	24.47	24.48	24.19	22.29	22.38	23.38
		12	11	24.40	24.41	24.20	22.15	22.60	23.36
		25	0	24.30	24.37	24.23	22.20	22.25	23.29
	64QAM	1	0	24.62	24.65	**24.66**	22.78	22.30	23.01
		1	12	24.53	24.61	24.57	22.40	22.35	**23.52**
		1	24	24.47	24.50	24.48	22.17	22.81	23.45
		12	0	22.71	22.72	22.68	20.34	19.84	20.98
		12	6	22.76	22.75	22.62	20.10	20.10	21.58
		12	11	22.69	22.67	22.61	19.93	20.30	21.69
		25	0	22.70	22.72	22.60	19.93	20.07	21.24
	256QAM	1	0	20.77	20.72	20.77	18.77	18.45	18.98
		1	12	20.69	**20.81**	20.67	18.34	18.51	19.87
		1	24	20.64	20.60	20.53	18.00	18.98	19.65
		12	0	20.56	20.57	20.57	18.56	18.13	19.18
		12	6	20.59	20.63	20.51	18.30	18.37	19.79
		12	11	20.51	20.55	20.50	18.12	18.58	**19.96**
		25	0	20.59	20.61	20.47	18.22	18.36	19.49

OUTPUT POWER FOR LTE BAND 17 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23780	23790	23800	23780	23790	23800
				709.0	710.0	711.0	709.0	710.0	711.0
10.0	QPSK	1	0	25.62	25.64	**25.70**	24.64	24.63	24.62
		1	24	25.68	25.69	25.68	24.66	**24.70**	24.69
		1	49	25.57	25.58	25.60	24.57	24.60	24.59
		25	0	24.96	24.99	25.00	23.72	23.68	23.80
		25	12	25.05	25.06	24.98	23.76	23.96	23.97
		25	24	24.96	24.97	24.97	23.94	23.96	23.96
		50	0	25.00	24.93	24.93	23.87	23.93	23.96
	16QAM	1	0	25.35	25.40	**25.46**	24.15	24.19	24.14
		1	24	25.26	25.39	25.32	23.75	24.21	24.35
		1	49	25.23	25.35	25.34	24.22	**24.36**	**24.36**
		25	0	24.34	24.38	24.40	22.15	22.10	22.16
		25	12	24.39	24.46	24.36	22.18	22.38	22.73
		25	24	24.35	24.37	24.36	22.74	23.18	23.36
		50	0	24.38	24.34	24.33	22.35	22.61	22.82
	64QAM	1	0	24.62	24.59	**24.66**	22.80	22.67	22.60
		1	24	24.65	24.61	24.64	22.34	22.65	22.55
		1	49	24.56	24.55	24.55	23.48	**23.52**	23.47
		25	0	22.68	22.67	22.66	20.35	20.27	20.41
		25	12	22.76	22.73	22.67	20.33	20.52	20.89
		25	24	22.66	22.64	22.66	20.88	21.32	21.69
		50	0	22.72	22.57	22.60	20.55	20.76	21.02
	256QAM	1	0	20.72	20.63	20.67	18.88	18.76	18.83
		1	24	**20.81**	20.71	20.76	18.49	18.70	18.88
		1	49	20.70	20.65	20.65	19.46	**19.96**	19.88
		25	0	20.62	20.59	20.60	18.38	18.29	18.39
		25	12	20.71	20.68	20.61	18.35	18.51	18.85
		25	24	20.63	20.57	20.60	18.86	19.27	19.67
		50	0	20.67	20.56	20.55	18.55	18.73	18.98

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8.7. LTE BAND 25 AND 5G NR n25

LTE BAND 25

Test Engineer ID:	25602	Test Date:	4/19/2022

OUTPUT POWER FOR LTE BAND 25 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26047	26365	26683	26047	26365	26683	26047	26365	26683	26047	26365	26683
				1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3
1.4	QPSK	1	0	25.60	25.68	25.60	23.17	23.31	23.36	25.43	25.39	25.44	23.17	23.36	23.23
		1	2	25.65	25.69	25.69	23.17	23.30	23.39	25.48	25.43	**25.50**	23.23	**23.40**	23.26
		1	5	25.61	**25.70**	25.63	23.19	23.32	23.37	25.46	25.42	25.45	23.17	23.35	23.23
		3	0	25.61	25.69	25.59	23.22	23.28	23.39	25.48	25.38	25.46	23.19	23.36	23.25
		3	1	25.62	25.69	25.63	23.21	23.29	**23.40**	25.49	25.39	25.48	23.21	23.37	23.24
		3	2	25.63	25.66	25.64	23.23	23.29	23.37	**25.50**	25.39	**25.50**	23.22	23.37	23.23
		6	0	25.42	25.46	25.43	22.90	22.98	23.06	25.26	25.15	25.25	22.99	23.16	23.02
	16QAM	1	0	25.41	25.54	25.55	22.84	23.14	**23.22**	25.32	25.37	25.37	23.03	23.20	23.18
		1	2	25.42	**25.66**	25.58	22.87	23.09	23.17	25.31	**25.46**	25.38	23.03	23.17	**23.24**
		1	5	25.40	25.59	25.55	22.85	23.12	23.17	25.32	25.36	25.31	23.07	23.16	23.15
		3	0	25.32	25.45	25.37	22.83	22.97	23.01	25.27	25.21	25.29	22.94	23.13	22.99
		3	1	25.36	25.44	25.38	22.86	22.97	23.06	25.29	25.21	25.31	22.93	23.12	23.00
		3	2	25.36	25.44	25.39	22.87	22.99	23.10	25.27	25.23	25.28	22.96	23.13	23.00
		6	0	24.68	24.76	24.69	22.12	21.93	22.39	24.56	24.49	24.54	22.36	22.51	22.32
	64QAM	1	0	24.49	24.56	24.49	22.33	22.05	22.45	24.28	24.41	24.35	22.19	22.46	22.13
		1	2	24.56	**24.62**	24.53	22.25	21.91	22.43	24.40	24.37	**24.42**	22.36	22.43	22.18
		1	5	24.54	24.56	24.43	22.20	21.91	22.18	24.38	24.40	24.18	22.20	22.43	22.02
		3	0	24.36	24.39	24.33	22.14	22.10	**22.46**	24.36	24.28	24.28	22.23	**22.48**	22.25
		3	1	24.35	24.40	24.34	22.13	22.06	**22.46**	24.37	24.29	24.34	22.22	22.46	22.26
		3	2	24.36	24.39	24.36	22.13	22.02	22.39	24.37	24.26	24.31	22.23	22.45	22.17
		6	0	23.98	23.92	23.96	21.07	21.00	21.51	23.78	23.56	23.16	22.18	21.72	21.49
	256QAM	1	0	20.70	**20.81**	20.73	18.19	18.02	18.60	20.53	20.30	19.98	19.63	19.23	18.93
		1	2	20.72	20.74	20.68	18.19	18.02	18.64	**20.61**	20.30	19.99	**19.65**	19.24	18.99
		1	5	20.68	20.75	20.69	18.13	17.94	18.54	20.60	20.16	19.91	**19.65**	19.20	18.94
		3	0	20.66	20.70	20.66	18.17	18.00	**18.66**	20.52	20.30	19.98	19.62	19.26	18.84
		3	1	20.67	20.71	20.69	18.14	17.99	18.65	20.54	20.26	20.02	19.59	19.24	18.87
		3	2	20.65	20.71	20.66	18.14	17.99	18.58	20.52	20.26	19.94	19.57	19.22	18.90
		6	0	20.56	20.74	20.45	18.00	17.91	**18.66**	20.58	20.28	19.87	19.51	19.12	18.76

OUTPUT POWER FOR LTE BAND 25 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26055	26365	26675	26055	26365	26675	26055	26365	26675	26055	26365	26675
				1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5
3.0	QPSK	1	0	25.60	25.59	25.58	23.24	23.20	23.35	25.46	25.32	25.39	23.30	23.32	23.21
		1	7	25.67	**25.70**	25.64	23.27	23.33	**23.40**	**25.50**	25.39	25.46	23.31	**23.40**	23.27
		1	14	25.61	25.61	25.58	23.18	23.24	23.31	25.42	25.36	25.41	23.17	23.34	23.21
		8	0	24.98	24.95	25.01	22.54	22.60	22.65	24.93	24.83	24.92	22.85	22.96	22.82
		8	4	25.02	25.04	25.01	22.56	22.61	22.66	24.94	24.84	24.94	22.85	22.98	22.86
		8	7	25.01	25.05	25.01	22.56	22.61	22.68	24.95	24.85	24.93	22.85	23.00	22.86
		15	0	25.00	25.01	25.00	22.55	22.57	22.65	24.93	24.83	24.92	22.83	22.96	22.83
	16QAM	1	0	25.23	25.35	25.38	22.83	22.89	22.95	25.21	25.14	25.20	23.15	23.24	23.20
		1	7	25.32	**25.46**	25.44	22.87	**23.06**	22.99	25.24	25.24	**25.32**	23.16	**23.38**	23.22
		1	14	25.28	25.38	25.37	22.81	22.91	22.92	25.15	25.17	25.21	23.04	23.26	23.14
		8	0	24.43	24.31	24.40	21.47	21.41	21.91	24.22	24.17	24.23	22.55	22.65	22.34
		8	4	24.44	24.42	24.43	21.44	21.38	21.95	24.24	24.19	24.27	22.57	22.68	22.41
		8	7	24.44	24.41	24.42	21.39	21.41	21.94	24.24	24.18	24.26	22.56	22.65	22.43
		15	0	24.33	24.40	24.34	21.35	21.26	21.88	24.21	24.11	24.21	22.46	22.59	22.33
	64QAM	1	0	24.58	24.61	24.60	21.75	21.69	**22.22**	24.41	24.40	**24.50**	22.73	**22.86**	22.44
		1	7	24.64	**24.66**	24.59	21.57	21.58	**22.22**	24.49	24.40	24.45	22.64	22.75	22.42
		1	14	24.64	24.59	24.54	21.54	21.48	21.97	24.46	24.40	24.28	22.56	22.65	22.34
		8	0	22.65	22.64	22.61	19.82	19.74	20.30	22.56	22.30	21.95	21.01	20.61	20.16
		8	4	22.68	22.75	22.64	19.77	19.72	20.39	22.58	22.32	21.97	20.97	20.54	20.24
		8	7	22.68	22.76	22.64	19.74	19.71	20.37	22.57	22.31	21.96	20.91	20.51	20.27
		15	0	22.63	22.72	22.64	19.67	19.64	20.32	22.40	22.20	21.93	20.82	20.45	20.18
	256QAM	1	0	20.63	20.69	20.62	17.94	17.99	18.41	20.51	20.45	20.10	19.14	18.89	18.36
		1	7	**20.81**	20.78	20.62	17.87	17.88	**18.66**	20.62	20.30	20.05	**19.16**	18.69	18.40
		1	14	20.68	20.70	20.63	17.84	17.88	18.45	**20.63**	20.34	19.96	19.01	18.56	18.42
		8	0	20.57	20.50	20.58	17.98	17.89	18.43	20.53	20.28	19.99	19.08	18.74	18.23
		8	4	20.60	20.65	20.58	17.93	17.85	18.56	20.53	20.31	20.01	19.04	18.72	18.29
		8	7	20.62	20.64	20.60	17.90	17.84	18.59	20.52	20.33	20.01	19.01	18.68	18.34
		15	0	20.58	20.61	20.58	17.86	17.79	18.47	20.47	20.23	19.95	18.94	18.60	18.26

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OUTPUT POWER FOR LTE BAND 25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26065	26365	26665	26065	26365	26665	26065	26365	26665	26065	26365	26665
				1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
5.0	QPSK	1	0	25.59	25.62	25.54	23.24	23.26	23.30	**25.50**	25.35	25.42	23.32	23.36	23.29
		1	12	25.65	**25.70**	25.65	23.22	23.32	**23.40**	**25.50**	25.41	**25.50**	23.25	**23.40**	23.38
		1	24	25.62	25.63	25.52	23.20	23.28	23.26	**25.50**	25.38	25.41	23.18	23.31	23.22
		12	0	24.99	24.93	24.91	22.53	22.57	22.64	24.91	24.81	24.89	22.91	23.03	22.97
		12	6	25.01	25.02	24.97	22.52	22.58	22.62	24.91	24.79	24.90	22.91	23.01	22.95
		12	11	25.00	25.01	24.96	22.51	22.57	22.62	24.90	24.80	24.88	22.87	22.98	22.94
		25	0	24.98	25.02	25.01	22.52	22.57	22.62	24.91	24.79	24.88	22.90	23.00	22.95
	16QAM	1	0	25.40	25.35	25.27	22.90	22.89	23.00	25.27	25.14	25.13	23.24	23.32	23.26
		1	12	25.38	**25.46**	25.37	22.89	22.89	**23.06**	25.28	25.24	**25.32**	23.23	**23.38**	23.33
		1	24	25.38	25.36	25.25	22.86	22.89	22.99	25.27	25.13	25.17	23.17	23.30	23.18
		12	0	24.38	24.44	24.27	21.61	21.50	21.78	24.37	24.14	24.27	22.53	22.73	22.32
		12	6	24.39	24.52	24.35	21.57	21.45	21.97	24.35	24.14	24.28	22.49	22.69	22.37
		12	11	24.38	24.52	24.34	21.52	21.35	21.95	24.34	24.12	24.26	22.43	22.52	22.37
		25	0	24.41	24.38	24.41	21.29	21.32	21.85	24.30	24.18	24.21	22.52	22.48	22.25
	64QAM	1	0	24.59	**24.66**	24.56	21.75	21.81	21.84	24.48	24.34	24.46	22.78	**22.86**	22.64
		1	12	24.62	24.63	24.61	21.57	21.51	**22.22**	24.46	24.35	**24.50**	22.67	22.54	22.58
		1	24	24.61	**24.66**	24.59	21.67	21.46	21.94	24.44	24.39	24.37	22.66	22.37	22.60
		12	0	22.71	22.69	22.55	19.99	19.93	19.90	22.53	22.31	21.99	21.01	20.67	20.18
		12	6	22.71	22.76	22.63	19.95	19.86	20.23	22.55	22.29	22.04	20.91	20.56	20.22
		12	11	22.70	22.74	22.60	19.88	19.72	20.39	22.58	22.29	22.02	20.83	20.41	20.26
		25	0	22.68	22.70	22.64	19.65	19.60	20.12	22.37	22.11	21.87	20.68	20.36	20.06
	256QAM	1	0	20.77	20.77	20.74	18.10	18.20	18.27	20.48	20.46	20.11	19.09	19.03	18.55
		1	12	20.80	**20.81**	20.73	17.88	17.90	18.47	20.43	20.31	19.97	18.90	18.79	18.37
		1	24	20.77	20.79	20.79	18.03	17.89	18.60	**20.63**	20.23	19.94	19.02	18.61	18.51
		12	0	20.67	20.63	20.58	18.07	18.08	18.13	20.52	20.26	19.96	**19.16**	18.89	18.38
		12	6	20.68	20.70	20.67	17.99	18.01	18.44	20.54	20.26	20.02	19.07	18.77	18.38
		12	11	20.67	20.70	20.64	17.94	17.87	**18.66**	20.57	20.21	20.00	19.00	18.67	18.44
		25	0	20.69	20.70	20.62	17.85	17.84	18.32	20.38	20.15	19.92	18.95	18.63	18.34

OUTPUT POWER FOR LTE BAND 25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26090	26365	26640	26090	26365	26640	26090	26365	26640	26090	26365	26640
				1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
10.0	QPSK	1	0	25.65	25.67	25.63	23.23	23.28	23.37	25.48	25.36	**25.50**	23.34	23.38	23.28
		1	24	25.69	**25.70**	25.66	23.26	23.30	**23.40**	**25.50**	25.39	**25.50**	23.23	**23.40**	23.37
		1	49	25.65	25.67	25.63	23.19	23.28	**23.40**	25.43	25.36	25.49	23.08	23.26	23.32
		25	0	25.00	25.01	24.97	22.60	22.58	22.66	24.95	24.90	24.90	22.90	23.06	22.90
		25	12	25.07	25.02	25.07	22.60	22.69	22.68	24.96	24.92	24.92	22.86	23.04	22.94
		25	24	25.05	25.07	25.04	22.59	22.68	22.74	24.94	24.87	24.97	22.77	22.99	22.98
		50	0	25.07	25.00	25.05	22.60	22.66	22.66	24.96	24.89	24.89	22.84	23.02	22.90
	16QAM	1	0	25.40	**25.46**	25.44	22.81	23.02	23.04	25.21	25.26	25.30	23.21	**23.38**	23.20
		1	24	25.26	25.40	25.39	22.78	22.90	22.92	25.12	25.16	25.30	23.00	23.36	23.22
		1	49	25.30	25.37	25.42	22.80	**23.06**	23.04	25.17	25.22	**25.32**	22.95	23.21	23.25
		25	0	24.38	24.39	24.35	21.64	21.79	21.71	24.33	24.22	24.22	22.48	22.70	22.52
		25	12	24.44	24.40	24.45	21.69	21.61	21.75	24.34	24.24	24.23	22.41	22.62	22.37
		25	24	24.42	24.46	24.43	21.91	21.50	22.08	24.33	24.21	24.28	22.36	22.42	22.29
		50	0	24.44	24.37	24.42	21.55	21.47	21.80	24.29	24.21	24.19	22.43	22.44	22.24
	64QAM	1	0	24.59	**24.66**	24.65	21.82	22.17	22.14	**24.50**	24.36	24.42	22.81	**22.86**	22.48
		1	24	24.60	**24.66**	**24.66**	21.59	21.61	21.78	24.49	24.42	24.16	22.69	22.72	22.19
		1	49	24.57	24.64	24.61	**22.22**	21.79	21.96	24.41	24.40	23.86	22.56	22.51	21.95
		25	0	22.66	22.71	22.65	19.97	20.23	20.08	22.47	22.25	22.06	20.98	20.96	20.70
		25	12	22.76	22.71	22.74	19.98	20.00	20.05	22.56	22.19	21.91	20.95	20.73	20.46
		25	24	22.74	22.75	22.71	20.18	19.88	20.39	22.58	22.12	21.87	21.01	20.47	20.33
		50	0	22.75	22.68	22.72	19.90	19.86	20.12	22.38	21.97	21.78	20.78	20.51	20.32
	256QAM	1	0	20.69	20.65	20.60	18.17	18.38	18.56	20.18	20.02	20.10	18.91	18.96	18.86
		1	24	**20.81**	20.76	20.76	17.96	17.79	18.02	20.15	19.75	19.55	18.58	18.50	18.22
		1	49	20.72	20.68	20.65	**18.66**	17.95	18.58	**20.63**	19.95	19.54	**19.16**	18.42	18.24
		25	0	20.59	20.61	20.57	18.01	18.25	18.11	20.12	19.94	19.79	18.88	18.87	18.63
		25	12	20.68	20.60	20.66	18.02	18.02	18.03	20.25	19.90	19.64	18.85	18.65	18.37
		25	24	20.67	20.67	20.65	18.18	17.88	18.36	20.38	19.84	19.60	18.92	18.41	18.25
		50	0	20.65	20.58	20.64	17.87	17.92	18.15	20.09	19.72	19.52	18.68	18.44	18.28

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OUTPUT POWER FOR LTE BAND 25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26115	26365	26615	26115	26365	26615	26115	26365	26615	26115	26365	26615
				1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
15.0	QPSK	1	0	25.67	25.69	25.60	23.27	23.26	23.35	**25.50**	25.40	25.49	23.34	23.33	23.10
		1	37	**25.70**	**25.70**	25.66	23.22	23.30	**23.40**	25.47	25.44	25.49	23.15	**23.40**	23.35
		1	74	25.61	25.63	25.60	23.23	23.25	23.31	25.43	25.35	25.42	23.05	23.11	23.27
		36	0	25.06	25.07	25.00	22.61	22.60	22.68	24.98	24.93	24.90	22.94	23.03	22.87
		36	16	25.14	25.08	25.00	22.63	22.70	22.70	25.00	24.94	24.93	22.86	23.11	22.98
		36	35	25.12	25.14	25.10	22.61	22.72	22.77	24.98	24.93	25.01	22.80	23.03	23.07
		75	0	25.11	25.04	25.08	22.61	22.68	22.70	24.97	24.89	24.92	22.85	23.05	22.91
	16QAM	1	0	25.37	25.37	25.19	22.87	22.93	22.99	25.23	25.08	25.22	23.20	23.29	23.11
		1	37	25.38	25.45	25.34	22.89	23.00	**23.06**	25.29	25.11	**25.32**	23.08	**23.38**	23.34
		1	74	25.28	**25.46**	25.22	22.82	22.90	22.96	25.15	25.04	25.26	22.98	23.06	23.19
		36	0	24.32	24.36	24.29	21.53	21.78	21.95	24.19	24.14	24.11	22.48	22.58	22.42
		36	16	24.42	24.36	24.31	21.80	21.52	21.65	24.20	24.14	24.13	22.41	22.66	22.50
		36	35	24.39	24.43	24.38	21.86	21.44	21.77	24.18	24.15	24.19	22.35	22.48	22.45
		75	0	24.37	24.33	24.34	21.78	21.58	21.83	24.16	24.12	24.12	22.39	22.59	22.50
	64QAM	1	0	**24.66**	24.55	24.58	21.86	22.12	**22.22**	24.40	24.30	24.41	22.82	**22.86**	22.55
		1	37	**24.66**	24.59	24.54	21.89	21.61	21.61	24.42	24.33	**24.50**	22.70	**22.86**	22.67
		1	74	24.63	24.56	24.48	22.02	21.83	21.81	24.38	24.27	24.33	22.56	22.62	22.35
		36	0	22.66	22.68	22.62	19.61	19.99	20.39	22.56	22.31	22.49	20.74	20.79	20.71
		36	16	22.76	22.68	22.65	19.86	19.67	19.76	22.58	22.24	22.20	20.85	20.52	20.50
		36	35	22.75	22.75	22.72	20.38	19.57	19.79	22.57	22.18	21.97	21.01	20.22	20.20
		75	0	22.74	22.64	22.71	19.91	19.74	20.01	22.53	22.18	22.08	20.80	20.43	20.31
	256QAM	1	0	20.69	20.73	20.69	17.35	17.97	**18.66**	20.20	20.25	20.47	18.57	18.74	18.57
		1	37	20.76	**20.81**	20.70	17.40	17.16	17.29	20.37	19.97	19.85	18.44	18.17	18.02
		1	74	20.70	20.74	20.65	18.47	17.49	17.83	**20.63**	20.06	19.79	**19.16**	18.04	17.88
		36	0	20.62	20.62	20.59	17.22	17.64	18.10	20.28	20.06	20.26	18.47	18.56	18.49
		36	16	20.73	20.64	20.59	17.47	17.31	17.43	20.49	19.98	19.95	18.57	18.27	18.28
		36	35	20.70	20.70	20.67	17.96	17.18	17.36	20.62	19.91	19.73	18.88	17.96	17.97
		75	0	20.69	20.63	20.66	17.53	17.40	17.66	20.31	19.93	19.89	18.53	18.16	18.11

OUTPUT POWER FOR LTE BAND 25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26140	26365	26590	26140	26365	26590	26140	26365	26590	26140	26365	26590
				1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0
20.0	QPSK	1	0	25.66	25.69	25.62	23.27	23.30	23.38	25.44	25.44	25.49	23.25	23.32	23.09
		1	49	**25.70**	25.67	25.61	23.26	23.34	**23.40**	25.45	25.43	**25.50**	23.05	**23.40**	23.32
		1	99	25.64	25.62	25.57	23.18	23.38	**23.40**	25.41	25.43	25.49	23.12	23.13	23.32
		50	0	25.06	25.01	24.95	22.53	22.61	22.68	25.03	24.93	24.98	22.75	23.02	22.78
		50	24	25.12	25.01	25.03	22.62	22.73	22.69	25.04	25.01	25.07	22.75	23.08	22.99
		50	49	25.09	25.05	25.00	22.58	22.70	22.74	25.00	24.96	25.04	22.73	22.94	23.00
		100	0	25.10	24.98	25.03	22.60	22.69	22.69	25.01	24.97	25.06	22.76	23.02	22.85
	16QAM	1	0	25.27	25.33	25.20	22.84	22.89	22.91	25.27	25.19	25.30	23.18	23.20	22.96
		1	49	25.41	**25.46**	25.33	22.94	**23.06**	23.05	25.26	25.29	**25.32**	23.02	**23.38**	23.35
		1	99	25.23	25.27	25.13	22.78	22.93	22.90	25.16	25.16	25.22	22.90	22.96	23.16
		50	0	24.20	24.13	24.08	21.63	21.93	21.97	24.13	24.03	24.09	22.38	22.64	22.40
		50	24	24.24	24.14	24.16	21.91	21.58	21.99	24.14	24.11	24.20	22.37	22.72	22.61
		50	49	24.20	24.19	24.11	21.89	21.61	21.81	24.11	24.09	24.14	22.37	22.52	22.60
		100	0	24.22	23.54	24.15	21.88	21.70	21.99	24.10	24.07	24.18	22.39	22.63	22.46
	64QAM	1	0	24.51	24.37	24.48	21.85	22.18	**22.22**	24.27	24.19	24.31	**22.86**	22.81	22.58
		1	49	**24.66**	24.61	24.57	22.08	21.60	22.05	24.31	24.37	**24.50**	22.79	22.73	22.84
		1	99	24.45	24.37	24.43	22.10	22.05	21.72	24.18	24.12	24.01	22.75	22.57	22.39
		50	0	22.67	22.69	22.67	19.27	19.70	20.39	22.55	22.30	22.53	20.74	20.78	20.82
		50	24	22.76	22.68	22.75	19.85	19.21	19.76	22.58	22.24	22.35	21.01	20.48	20.60
		50	49	22.71	22.72	22.72	20.32	19.17	19.40	22.51	22.14	22.05	21.00	20.20	20.32
		100	0	22.72	22.66	22.74	19.75	19.36	19.67	22.48	22.10	22.08	20.90	20.38	20.35
	256QAM	1	0	20.76	**20.81**	20.78	17.31	18.23	18.38	20.33	20.35	20.31	18.67	18.83	18.71
		1	49	20.76	20.77	20.68	17.65	17.00	17.47	20.57	20.02	19.94	18.77	18.22	18.23
		1	99	20.71	20.78	20.68	**18.66**	17.61	17.60	20.50	20.17	19.71	19.02	18.30	17.91
		50	0	20.56	20.57	20.55	17.01	17.56	18.39	20.38	20.16	20.39	18.54	18.60	18.65
		50	24	20.62	20.57	20.61	17.64	17.08	17.63	**20.63**	20.04	20.16	18.87	18.27	18.44
		50	49	20.57	20.61	20.57	18.38	16.99	17.15	20.58	19.97	19.78	**19.16**	17.98	18.04
		100	0	20.59	20.55	20.60	17.58	17.23	17.59	20.29	19.95	19.91	18.67	18.18	18.18

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5G NR n25

Test Engineer ID:	50822	Test Date:	4/18/2022

OUTPUT POWER FOR 5G NR n25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				370500	376500	382500	370500	376500	382500	370500	376500	382500	370500	376500	382500
				1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
5.0	BPSK	1	0	25.58	**25.70**	25.55	**23.40**	23.33	23.30	**25.50**	25.31	25.45	**23.40**	23.29	23.25
		1	1	25.66	25.62	25.54	23.38	23.38	23.30	**25.50**	25.30	25.37	23.34	23.28	23.18
		1	23	25.64	25.67	25.50	23.39	23.33	23.26	25.46	25.35	25.38	23.37	23.31	23.15
		1	24	25.62	25.60	25.54	23.35	23.30	23.30	25.45	25.28	25.40	23.30	23.27	23.19
		12	6	25.58	25.61	25.55	23.33	23.31	23.30	25.33	25.29	25.45	23.28	23.29	23.24
		25	0	25.50	25.56	25.52	23.26	23.26	23.25	25.29	25.22	25.37	23.24	23.24	23.16
	QPSK	1	0	25.21	25.28	25.15	23.34	23.32	23.29	25.22	25.17	25.24	23.22	23.22	23.09
		1	1	25.67	25.67	25.58	**23.40**	23.39	23.28	**25.48**	25.34	25.43	23.30	23.33	23.23
		1	23	25.62	**25.70**	25.60	23.36	23.36	23.27	25.44	25.37	25.43	23.32	**23.36**	23.21
		1	24	25.13	25.25	24.90	23.38	23.32	23.25	25.16	25.15	25.22	23.21	23.22	23.15
		12	6	25.53	25.59	25.61	23.33	23.32	23.31	25.30	25.32	25.39	23.29	23.26	23.21
		25	0	25.14	25.21	25.19	23.31	23.33	23.27	25.13	25.14	25.24	23.15	23.17	23.11
	16QAM	1	0	24.64	**25.13**	25.00	**23.28**	23.27	23.23	24.66	24.99	**25.01**	**22.98**	22.90	22.72
		1	1	23.59	24.04	24.00	21.23	21.20	21.15	23.06	23.35	23.41	21.14	21.16	21.01
		1	23	23.60	24.05	23.90	21.22	21.25	21.10	23.01	23.33	23.40	21.14	21.09	21.01
		1	24	24.69	25.11	25.03	23.22	23.27	23.19	24.58	24.99	**25.01**	22.84	22.87	22.77
		12	6	23.70	23.75	23.73	20.92	21.02	21.04	23.07	23.02	23.18	21.55	21.55	21.46
		25	0	24.74	24.85	24.83	23.03	23.01	22.97	24.76	24.69	24.86	22.60	22.68	22.54
	64QAM	1	0	23.20	23.31	23.13	21.41	21.38	21.33	22.65	22.57	**22.66**	20.85	20.82	20.65
		1	1	**23.36**	23.32	23.23	21.42	**21.56**	21.39	22.65	22.60	22.63	**20.86**	20.83	20.73
		1	23	23.29	23.26	23.13	21.43	21.41	21.27	22.64	22.51	22.65	20.77	20.75	20.67
		1	24	23.25	23.20	23.14	21.40	21.38	21.22	22.60	22.57	22.58	20.81	20.69	20.64
		12	6	23.08	23.05	23.07	21.31	21.29	21.16	22.47	22.33	22.47	20.62	20.59	20.59
		25	0	23.12	23.11	23.03	21.21	21.29	21.28	22.43	22.37	22.54	20.63	20.59	20.61
	256QAM	1	0	21.23	21.24	21.15	**19.48**	19.36	19.36	20.58	20.50	**20.61**	18.72	18.71	18.72
		1	1	21.25	21.20	**21.31**	19.43	19.43	19.33	20.58	20.40	20.59	**18.81**	18.70	18.68
		1	23	21.20	21.11	21.25	19.39	19.37	19.42	20.48	20.50	20.57	18.74	18.70	18.61
		1	24	21.16	21.15	21.21	19.37	19.40	19.32	20.49	20.40	20.59	18.73	18.66	18.63
		12	6	21.15	21.16	21.22	19.39	19.38	19.34	20.50	20.46	20.53	18.74	18.75	18.68
		25	0	21.12	21.11	21.29	19.37	19.35	19.29	20.40	20.49	20.59	18.73	18.70	18.61

OUTPUT POWER FOR 5G NR n25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				371000	376500	382000	371000	376500	382000	371000	376500	382000	371000	376500	382000
				1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
10.0	BPSK	1	0	25.62	25.55	25.58	23.29	23.28	23.34	25.40	25.35	25.41	23.30	23.27	23.27
		1	1	25.61	25.62	25.63	23.36	23.31	23.30	25.36	25.38	25.40	23.31	23.31	23.26
		1	50	25.65	25.57	25.63	23.31	23.26	23.26	25.33	25.36	25.42	23.31	23.22	23.23
		1	51	25.59	25.57	25.62	23.29	23.22	23.23	25.28	25.34	**25.47**	23.28	23.21	23.26
		25	12	25.59	25.59	25.59	23.31	23.31	23.30	25.34	25.35	25.36	**23.34**	23.28	23.27
		50	0	**25.66**	25.63	25.61	**23.37**	23.33	23.28	25.37	25.40	25.39	**23.34**	23.33	23.30
	QPSK	1	0	25.26	25.26	24.58	22.97	23.35	23.32	25.13	25.08	25.17	23.22	23.21	23.16
		1	1	25.66	25.65	**25.70**	23.37	**23.40**	23.37	25.43	25.37	25.41	**23.40**	23.35	23.34
		1	50	25.66	25.63	25.23	23.33	23.33	23.26	25.33	25.33	**25.50**	23.30	23.26	23.31
		1	51	25.25	25.06	23.80	23.11	22.90	23.35	25.06	25.06	25.24	23.11	23.11	22.42
		25	12	25.67	25.66	25.63	23.37	23.37	23.32	25.39	25.36	25.36	23.38	23.36	23.31
		50	0	25.28	25.26	25.23	23.33	23.38	23.30	25.11	25.12	25.15	23.14	23.15	23.10
	16QAM	1	0	25.04	**25.13**	25.11	23.14	**23.28**	23.19	24.87	24.87	24.82	**22.98**	22.97	**22.98**
		1	1	24.01	24.05	23.93	21.20	21.25	21.15	23.38	23.34	23.44	21.15	21.15	21.10
		1	50	23.99	23.92	23.90	21.11	21.17	21.13	23.37	23.34	23.40	21.01	21.06	20.92
		1	51	25.05	25.04	24.94	23.21	23.09	23.14	24.79	24.83	**25.01**	22.88	22.78	22.89
		25	12	23.85	23.72	23.83	20.97	20.99	20.99	23.16	23.09	23.20	21.29	21.28	21.20
		50	0	24.89	24.86	24.85	22.96	22.89	22.92	24.69	24.59	24.77	22.72	22.70	22.71
	64QAM	1	0	**23.36**	23.23	23.31	21.46	21.42	21.49	22.62	22.63	22.55	20.82	20.78	**20.86**
		1	1	23.33	23.24	23.24	21.45	21.47	**21.56**	22.65	22.58	22.61	20.82	20.73	20.85
		1	50	23.28	23.15	23.34	21.44	21.40	21.34	22.55	22.57	**22.66**	**20.86**	20.72	20.83
		1	51	**23.36**	23.32	23.29	21.31	21.48	21.40	22.61	22.47	22.61	20.84	20.76	20.77
		25	12	23.19	23.19	23.22	21.30	21.34	21.29	22.51	22.50	22.61	20.73	20.72	20.64
		50	0	23.18	23.16	23.15	21.33	21.35	21.33	22.53	22.50	22.62	20.71	20.69	20.66
	256QAM	1	0	21.20	21.25	21.21	19.39	19.37	19.40	20.49	20.45	20.48	18.69	18.64	18.71
		1	1	21.24	21.17	21.22	19.34	19.46	19.39	20.50	20.43	20.36	18.74	18.65	18.59
		1	50	21.29	21.22	21.23	19.35	19.33	19.34	20.42	20.40	20.53	18.75	18.70	18.64
		1	51	21.21	21.18	21.14	19.26	19.39	19.29	20.35	20.34	20.52	18.71	18.60	18.65
		25	12	21.22	21.24	21.20	19.38	19.47	19.34	20.52	20.46	20.57	18.73	18.71	18.67
		50	0	**21.31**	21.25	21.25	19.44	19.47	**19.48**	20.56	20.50	**20.61**	**18.81**	18.74	18.73

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OUTPUT POWER FOR 5G NR n25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				371500	376500	381500	371500	376500	381500	371500	376500	381500	371500	376500	381500
				1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
15.0	BPSK	1	0	**25.57**	25.54	25.49	23.32	23.22	23.10	25.47	25.31	25.28	23.34	23.31	23.14
		1	1	**25.57**	25.53	25.48	**23.37**	23.29	23.11	**25.50**	25.31	25.26	23.31	23.30	23.16
		1	77	25.56	25.49	25.42	23.28	23.20	23.11	25.40	25.23	25.21	23.35	23.25	23.14
		1	78	25.49	25.53	25.43	23.21	23.21	23.15	25.41	25.21	25.24	**23.36**	23.24	23.21
		36	18	25.51	25.42	25.43	23.20	23.10	23.08	25.27	25.13	25.15	23.16	23.16	23.02
		75	0	25.56	25.47	25.49	23.25	23.17	23.15	25.32	25.18	25.23	23.22	23.24	23.14
	QPSK	1	0	25.28	25.22	25.18	22.99	23.14	23.01	25.24	25.18	25.15	23.11	23.14	23.01
		1	1	**25.70**	25.60	25.54	**23.40**	23.31	23.18	**25.50**	25.32	25.30	**23.40**	23.37	23.17
		1	77	25.63	25.57	25.54	23.35	23.28	23.21	25.36	25.33	25.29	23.26	23.26	23.17
		1	78	25.23	25.16	24.72	23.18	23.04	23.05	25.18	25.14	25.08	23.09	23.00	22.58
		36	18	25.56	25.52	25.50	23.27	23.14	23.11	25.33	25.22	25.23	23.22	23.21	23.13
		75	0	25.17	25.09	25.05	23.15	23.07	23.05	25.17	25.04	25.09	22.97	23.02	22.89
	16QAM	1	0	25.11	25.08	25.04	**22.41**	22.37	22.23	24.72	24.95	**25.01**	22.77	**22.91**	22.66
		1	1	24.04	24.04	23.90	21.75	21.71	21.56	23.12	23.30	23.33	21.53	21.68	21.42
		1	77	24.05	24.05	23.85	21.67	21.66	21.65	22.99	23.38	23.24	21.58	21.48	21.17
		1	78	**25.13**	24.97	24.86	22.37	22.22	22.27	24.64	24.85	24.45	22.86	22.76	22.52
		36	18	23.76	23.73	23.69	21.49	21.35	21.27	23.14	23.01	22.98	20.90	20.88	20.64
		75	0	24.83	24.80	24.74	22.09	22.02	21.93	24.72	24.53	24.66	22.52	22.57	22.40
	64QAM	1	0	23.20	23.24	23.11	20.95	20.84	20.65	22.64	22.61	22.48	20.37	20.41	20.30
		1	1	23.14	23.14	23.06	**21.06**	20.83	20.68	**22.66**	22.58	22.58	**20.56**	20.55	20.34
		1	77	**23.36**	22.96	23.06	20.82	20.92	20.78	22.60	22.45	22.41	20.51	20.33	20.27
		1	78	23.14	23.05	23.02	20.84	20.71	20.66	**22.66**	22.51	22.51	20.54	20.37	20.38
		36	18	22.95	22.90	22.86	20.65	20.61	20.64	22.40	22.30	22.38	20.23	20.25	20.17
		75	0	22.96	22.86	22.84	20.72	20.58	20.60	22.42	22.27	22.36	20.20	20.20	20.09
	256QAM	1	0	**21.31**	21.10	21.20	**19.01**	18.93	18.80	20.60	20.44	20.40	18.30	18.45	18.29
		1	1	21.24	21.21	21.14	19.00	18.99	18.90	**20.61**	20.41	20.47	18.47	18.39	18.21
		1	77	21.20	20.99	20.94	18.96	18.78	18.80	20.46	20.39	20.33	**18.51**	18.29	18.30
		1	78	21.20	21.16	21.14	18.93	18.83	18.80	20.53	20.37	20.39	18.39	18.26	18.23
		36	18	21.21	21.16	21.12	**19.01**	18.88	18.87	20.50	20.39	20.48	18.37	18.40	18.23
		75	0	21.18	21.13	21.07	18.94	18.86	18.84	20.49	20.35	20.44	18.44	18.35	18.21

OUTPUT POWER FOR 5G NR n25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				372000	376500	381000	372000	376500	381000	372000	376500	381000	372000	376500	381000
				1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0
20.0	BPSK	1	0	25.65	25.61	25.58	**23.40**	23.33	23.24	**25.47**	25.34	25.35	23.28	23.32	23.25
		1	1	**25.67**	25.63	25.54	23.39	23.25	23.25	25.38	25.31	25.37	23.28	**23.34**	23.16
		1	104	25.60	25.52	25.57	23.28	23.20	23.19	25.35	25.24	25.40	23.29	23.23	23.24
		1	105	25.63	25.56	25.55	23.35	23.27	23.27	25.36	25.24	25.40	**23.34**	23.23	23.26
		50	25	**25.67**	25.56	25.57	23.37	23.26	23.21	25.40	25.28	25.32	23.26	23.31	23.14
		100	0	25.65	25.63	23.39	21.46	23.27	21.07	25.38	25.31	25.39	23.09	23.30	20.91
	QPSK	1	0	21.90	25.28	21.90	20.15	23.38	20.07	25.24	25.11	22.40	19.82	23.22	19.99
		1	1	23.38	**25.70**	23.52	21.02	**23.39**	21.08	**25.50**	25.39	23.87	20.88	**23.40**	20.94
		1	104	23.29	25.60	22.35	20.79	23.24	19.94	25.42	25.25	22.69	20.78	23.28	19.90
		1	105	21.66	25.19	20.63	19.88	23.21	18.96	25.20	25.06	21.50	19.60	23.15	18.70
		50	25	25.63	25.58	25.54	**23.39**	23.29	23.25	25.41	25.29	25.34	23.25	23.29	23.21
		100	0	25.23	25.17	25.14	23.36	23.28	23.22	25.14	25.05	25.11	23.10	23.15	23.02
	16QAM	1	0	**25.13**	25.01	24.97	23.24	**23.28**	23.14	24.93	24.81	**25.01**	22.89	**22.98**	22.93
		1	1	24.05	23.87	23.86	21.25	21.14	20.99	23.53	23.29	23.37	21.08	21.02	20.93
		1	104	23.92	23.96	23.40	21.18	21.05	20.72	23.42	23.24	23.20	21.08	21.02	20.85
		1	105	25.11	25.05	24.48	**23.28**	23.15	22.66	24.78	24.82	24.33	22.97	22.92	22.62
		50	25	23.70	23.62	23.62	20.90	20.87	20.79	22.97	22.86	22.94	21.24	21.28	21.10
		100	0	24.87	24.77	24.80	23.01	22.89	22.88	24.71	24.65	24.65	22.65	22.76	22.60
	64QAM	1	0	**23.36**	23.24	23.19	**21.56**	21.23	21.14	**22.66**	22.53	22.55	20.80	20.82	20.77
		1	1	23.31	23.18	23.20	21.43	21.17	21.23	22.62	22.65	22.61	20.74	20.78	20.76
		1	104	23.28	23.23	23.11	21.12	21.29	21.17	22.57	22.47	22.57	20.77	20.82	20.81
		1	105	23.17	23.08	23.19	21.31	21.26	20.93	22.53	22.48	22.64	**20.86**	20.82	20.76
		50	25	23.17	23.06	23.04	21.19	21.16	21.10	22.49	22.34	22.45	20.58	20.65	20.51
		100	0	23.16	23.10	23.05	21.19	21.16	21.10	22.52	22.41	22.43	20.59	20.65	20.55
	256QAM	1	0	21.16	**21.31**	21.21	**19.48**	19.33	19.27	20.55	20.38	20.36	18.66	18.73	18.67
		1	1	21.27	21.20	21.25	19.40	19.40	19.27	20.46	20.47	**20.61**	**18.81**	18.74	18.68
		1	104	21.23	21.13	21.02	19.35	19.31	19.31	20.47	20.42	20.43	18.61	18.60	18.64
		1	105	21.05	21.06	21.03	19.36	19.34	19.36	20.51	20.24	20.41	18.71	18.63	18.58
		50	25	21.28	21.12	21.14	19.47	19.40	19.38	20.51	20.41	20.43	18.69	18.72	18.70
		100	0	21.21	21.15	21.11	19.43	19.38	19.36	20.48	20.45	20.42	18.73	18.67	18.66

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OUTPUT POWER FOR 5G NR n25 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				372500	376500	380500	372500	376500	380500	372500	376500	380500	372500	376500	380500
				1862.5	1882.5	1902.5	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5	1862.5	1882.5	1902.5
25.0	BPSK	1	0	**25.68**	25.65	25.56	23.35	23.30	23.23	25.49	25.35	25.35	**23.35**	23.28	23.17
		1	1	25.65	25.65	25.63	**23.40**	23.25	23.23	**25.50**	25.39	25.38	23.25	23.27	23.15
		1	132	25.61	25.48	25.57	23.24	23.18	23.13	25.30	25.37	25.44	23.29	23.16	23.17
		1	131	25.59	25.52	25.55	23.29	23.21	23.21	25.36	25.37	25.49	23.30	23.21	23.17
		64	32	25.62	25.54	25.59	23.29	23.25	23.15	25.36	25.29	25.37	23.21	23.23	23.12
		128	0	25.66	25.55	25.62	22.01	23.22	21.44	25.37	25.31	24.27	23.30	23.22	21.27
	QPSK	1	0	25.28	25.23	22.02	20.75	**23.38**	20.48	25.24	25.18	22.70	23.16	23.14	20.03
		1	1	**25.70**	25.65	23.72	21.59	23.33	21.32	**25.48**	25.43	24.05	23.33	23.30	21.17
		1	132	**25.70**	25.57	22.84	21.66	23.24	20.41	25.32	25.43	23.18	**23.40**	23.17	20.18
		1	131	25.20	25.08	21.11	20.88	23.37	19.82	25.10	25.16	21.93	23.22	22.99	19.15
		64	32	**25.70**	25.57	25.58	23.26	23.27	23.18	25.41	25.33	25.36	23.25	23.22	23.13
		128	0	25.17	25.05	25.11	23.36	23.31	23.23	25.10	25.08	25.11	23.18	23.05	22.92
	16QAM	1	0	25.05	25.09	25.05	**23.28**	23.15	23.21	24.99	**25.01**	24.97	22.93	22.88	22.89
		1	1	24.05	23.89	23.89	21.25	21.23	21.15	23.46	23.35	23.42	21.09	21.02	20.95
		1	132	23.99	23.83	23.74	21.14	21.20	21.13	23.46	23.44	23.43	21.08	20.98	20.93
		1	131	**25.13**	24.81	24.76	23.17	23.08	23.16	24.93	**25.01**	24.98	**22.98**	22.73	22.82
		64	32	23.73	23.71	23.69	21.01	20.92	20.84	23.06	22.99	23.02	21.24	21.23	21.14
		128	0	24.88	24.78	24.81	23.03	22.98	22.89	24.73	24.67	24.71	22.70	22.59	22.51
	64QAM	1	0	23.33	**23.36**	23.07	21.49	21.37	21.31	22.60	22.45	**22.66**	20.66	20.74	20.51
		1	1	23.26	23.15	23.16	**21.56**	21.45	21.32	22.57	22.41	22.51	20.73	**20.86**	20.64
		1	132	23.33	23.11	23.15	21.45	21.24	21.23	22.49	22.42	22.56	20.81	20.59	20.62
		1	131	23.20	23.16	23.04	21.40	21.21	21.23	22.50	22.50	22.40	20.85	20.49	20.51
		64	32	23.15	23.01	23.07	21.20	21.15	21.06	22.33	22.25	22.35	20.53	20.47	20.35
		128	0	23.15	23.00	23.05	21.27	21.18	21.10	22.36	22.28	22.30	20.58	20.44	20.36
	256QAM	1	0	21.22	21.10	21.10	**19.48**	19.42	19.31	20.57	20.48	**20.61**	**18.81**	18.70	18.74
		1	1	**21.31**	21.14	21.11	19.38	19.32	19.20	20.48	20.59	20.46	18.74	18.69	18.66
		1	132	21.21	21.07	21.02	19.34	19.34	19.21	20.45	20.41	20.45	18.59	18.62	18.72
		1	131	21.14	21.01	21.03	19.29	19.29	19.43	20.39	20.47	20.58	18.78	18.68	18.54
		64	32	21.13	21.02	21.08	19.30	19.23	19.27	20.40	20.39	20.39	18.73	18.65	18.62
		128	0	21.11	21.03	21.09	19.29	19.25	19.20	20.45	20.37	20.38	18.68	18.61	18.61

OUTPUT POWER FOR 5G NR n25 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				373000	376500	380000	373000	376500	380000	373000	376500	380000	373000	376500	380000
				1865.0	1882.5	26.0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0	1865.0	1882.5	1900.0
30.0	BPSK	1	0	25.66	25.58	25.61	23.30	23.27	23.30	**25.47**	25.33	25.33	23.29	23.29	23.33
		1	1	25.62	25.62	25.66	23.38	23.26	23.30	25.40	25.36	25.38	23.36	23.25	23.29
		1	158	25.47	25.52	25.58	23.33	23.30	23.29	25.42	25.44	25.30	**23.40**	23.30	23.27
		1	159	25.55	25.55	25.54	23.23	23.30	23.34	25.39	25.46	25.38	23.36	23.25	23.30
		80	40	25.55	25.60	25.65	23.31	23.35	23.26	25.34	25.38	25.43	23.24	23.29	23.22
		160	0	25.59	**25.70**	25.68	21.70	**23.39**	21.21	25.39	25.41	25.45	23.33	23.34	23.03
	QPSK	1	0	25.18	25.22	25.21	20.45	23.38	20.01	25.15	25.01	22.11	23.20	23.16	19.87
		1	1	25.61	25.66	25.64	21.24	23.34	20.95	25.43	25.33	23.71	23.31	23.27	20.76
		1	158	25.59	25.68	**25.70**	20.97	23.39	20.26	**25.50**	25.47	22.95	23.31	23.24	20.17
		1	159	25.20	25.18	24.77	20.21	23.33	19.36	25.21	25.24	21.74	23.17	23.20	19.14
		80	40	25.58	25.66	25.65	23.31	**23.40**	23.27	25.38	25.38	25.44	**23.32**	**23.32**	23.23
		160	0	25.14	25.20	25.28	23.31	23.19	22.85	25.10	25.12	25.16	23.22	23.22	23.13
	16QAM	1	0	**25.13**	25.12	25.10	23.15	**23.28**	22.33	**25.01**	24.85	24.96	22.66	22.90	**22.98**
		1	1	24.01	24.05	24.05	21.21	21.25	20.42	23.58	23.56	23.52	20.78	21.11	21.19
		1	158	24.05	24.00	23.66	21.14	21.18	20.23	23.49	23.39	23.60	20.88	21.30	20.89
		1	159	**25.13**	25.01	24.64	23.10	23.20	22.09	24.94	24.92	24.70	22.53	22.93	22.55
		80	40	23.75	23.79	23.83	20.94	21.02	20.93	22.96	22.97	23.07	21.27	21.29	21.17
		160	0	24.85	24.95	24.99	22.95	22.93	22.95	24.67	24.76	24.78	22.72	22.73	22.63
	64QAM	1	0	23.34	23.25	23.24	21.53	21.35	21.45	22.49	22.52	22.48	20.50	20.83	**20.86**
		1	1	23.13	23.31	23.27	**21.56**	21.51	21.44	22.46	22.35	22.46	20.80	20.64	20.72
		1	158	23.15	**23.36**	23.26	21.36	21.50	21.52	22.45	22.53	22.35	20.73	20.66	20.58
		1	159	23.29	23.19	23.15	21.30	21.28	21.33	22.49	**22.66**	22.55	20.85	20.78	20.64
		80	40	23.04	23.06	23.11	21.28	21.18	21.20	22.18	22.15	22.22	20.53	20.58	20.41
		160	0	23.03	23.11	23.18	21.28	21.24	21.26	22.17	22.25	22.28	20.57	20.63	20.49
	256QAM	1	0	21.13	21.17	21.28	19.43	19.28	19.40	20.49	20.36	20.38	18.71	**18.81**	18.67
		1	1	21.25	21.14	**21.31**	19.45	19.40	19.38	20.50	20.34	20.47	18.73	18.79	18.70
		1	158	21.23	21.05	21.23	19.32	19.24	19.41	20.44	20.37	20.28	18.70	18.70	18.65
		1	159	21.25	21.13	21.06	**19.48**	19.31	19.16	**20.61**	20.47	20.30	18.73	18.66	18.69
		80	40	21.08	21.11	21.15	19.23	19.28	19.17	20.30	20.30	20.38	18.68	18.68	18.55
		160	0	21.11	21.12	21.21	19.27	19.32	19.29	20.37	20.36	20.41	18.69	18.73	18.65

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OUTPUT POWER FOR 5G NR n25 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				374000	376500	379000	374000	376500	379000	374000	376500	379000	374000	376500	379000
				1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0	1870.0	1882.5	1895.0
40.0	BPSK	1	0	25.62	25.54	25.45	23.32	23.26	23.19	25.43	25.34	25.42	23.25	23.31	23.31
		1	1	25.63	25.57	**25.56**	**23.40**	23.30	23.33	25.47	25.32	25.41	23.26	23.34	23.30
		1	214	**25.64**	25.57	25.51	**23.40**	23.32	23.35	25.37	25.45	25.46	23.30	23.21	23.33
		1	215	25.62	25.62	25.54	23.32	23.24	23.32	25.38	25.47	25.42	**23.38**	23.23	23.31
		108	54	25.55	25.57	25.52	23.27	23.31	23.28	25.30	25.35	**25.48**	23.27	23.33	23.27
		216	0	25.54	24.51	23.77	22.19	23.37	21.21	25.35	25.42	24.09	23.32	23.37	21.37
	QPSK	1	0	25.28	22.33	22.34	20.70	23.32	20.55	25.15	25.08	22.71	23.16	23.22	20.42
		1	1	**25.70**	24.07	23.98	21.45	23.28	21.37	25.48	25.33	24.22	23.28	23.29	21.60
		1	214	25.63	23.40	22.80	20.93	23.29	20.17	25.39	25.44	22.99	23.35	23.31	20.29
		1	215	25.19	22.01	20.95	20.14	23.25	19.26	25.15	25.19	21.81	23.06	23.08	19.21
		108	54	25.56	25.62	**25.58**	23.33	**23.38**	23.34	25.35	25.43	**25.50**	23.35	**23.40**	23.30
		216	0	24.58	25.07	25.20	23.33	21.73	**23.38**	25.08	24.89	25.24	23.12	22.87	23.18
	16QAM	1	0	24.66	**25.13**	**25.05**	**23.28**	20.37	23.11	25.00	24.75	**25.01**	22.97	22.97	**22.98**
		1	1	23.72	23.90	24.05	21.07	18.56	21.06	23.48	23.51	23.48	21.17	21.30	21.10
		1	214	23.36	23.96	23.62	21.06	18.13	21.25	23.34	23.59	23.48	20.71	21.17	21.13
		1	215	24.22	24.98	24.68	23.04	20.06	23.23	24.33	24.54	24.83	22.36	22.82	22.77
		108	54	23.79	23.74	23.79	20.92	20.89	20.92	23.00	23.04	23.15	21.21	21.27	21.19
		216	0	24.80	24.86	24.84	22.92	23.03	22.96	24.64	24.72	24.79	22.74	22.77	22.74
	64QAM	1	0	23.21	23.12	23.20	**21.56**	21.39	21.23	22.41	22.36	22.49	20.64	**20.86**	20.57
		1	1	23.08	23.21	23.28	21.32	21.17	21.24	22.45	22.56	22.57	20.71	20.53	20.39
		1	214	23.26	**23.36**	**23.30**	21.34	21.44	21.36	**22.66**	22.41	22.23	20.78	20.55	20.51
		1	215	23.18	23.25	23.23	21.50	21.17	21.12	22.58	22.41	22.36	20.84	20.60	20.66
		108	54	22.97	23.08	23.03	21.22	21.22	21.19	22.21	22.30	22.35	20.45	20.50	20.46
		216	0	23.04	23.11	23.05	21.24	21.30	21.21	22.26	22.34	22.43	20.50	20.51	20.54
	256QAM	1	0	**21.31**	21.13	20.96	19.15	19.27	18.98	20.34	20.17	20.39	18.63	18.66	18.57
		1	1	21.10	21.15	21.17	19.38	19.39	19.19	20.29	20.22	20.40	18.72	18.58	18.55
		1	214	21.15	21.21	21.18	**19.48**	19.44	19.29	20.31	20.52	20.53	18.71	18.66	**18.81**
		1	215	21.23	21.25	**21.25**	19.30	19.43	19.36	20.41	**20.61**	20.45	18.80	18.76	18.74
		108	54	21.07	21.09	21.06	19.16	19.20	19.19	20.16	20.19	20.32	18.56	18.61	18.56
		216	0	21.08	21.12	21.10	19.21	19.23	19.22	20.18	20.23	20.31	18.62	18.66	18.66

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

LTE BAND 26

Test Engineer ID:	25602	Test Date:	4/25/2022

OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26697	26740	26783	26697	26740	26783
				814.7	819.0	823.3	814.7	819.0	823.3
1.4	QPSK	1	0	25.47	25.42	25.63	24.64	24.62	24.55
		1	2	25.55	25.47	25.67	24.67	24.66	24.59
		1	5	25.53	25.44	25.63	24.63	24.63	24.64
		3	0	25.57	25.46	25.67	24.68	24.59	24.57
		3	1	25.60	25.47	**25.70**	24.68	24.62	24.66
		3	2	25.62	25.48	25.68	**24.70**	24.61	24.67
		6	0	25.36	25.25	25.46	24.36	24.24	24.34
	16QAM	1	0	25.44	25.46	25.62	24.44	**24.52**	24.41
		1	2	25.51	25.52	25.65	24.41	24.49	24.47
		1	5	25.53	25.49	25.61	24.42	24.48	**24.52**
		3	0	25.49	25.45	25.63	24.33	24.38	24.28
		3	1	25.38	25.48	**25.66**	24.36	24.40	24.37
		3	2	25.49	25.47	**25.66**	24.37	24.36	24.36
		6	0	24.76	24.72	24.66	23.45	23.69	23.58
	64QAM	1	0	24.34	24.45	24.28	23.08	**23.76**	23.55
		1	2	24.41	**24.62**	24.47	23.44	23.69	23.60
		1	5	24.46	24.59	24.60	23.72	23.51	23.48
		3	0	24.24	24.48	24.21	23.14	23.66	23.56
		3	1	24.24	24.51	24.35	23.31	23.67	23.59
		3	2	24.24	24.49	24.44	23.48	23.68	23.57
		6	0	23.98	23.93	23.44	22.03	22.81	22.25
	256QAM	1	0	20.76	20.58	19.89	18.84	**19.96**	19.43
		1	2	20.80	20.71	20.06	19.16	19.87	19.43
		1	5	20.80	20.21	20.20	19.39	19.76	19.37
		3	0	20.77	20.68	19.91	18.70	19.89	19.39
		3	1	**20.81**	20.71	20.02	18.89	19.88	19.37
		3	2	**20.81**	20.73	20.14	19.07	19.86	19.35
		6	0	20.78	20.62	20.06	18.99	19.57	19.46

OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26705	26740	26775	26705	26740	26775
				815.5	819.0	822.5	815.5	819.0	822.5
3.0	QPSK	1	0	25.60	25.51	25.59	24.63	24.57	24.53
		1	7	**25.70**	25.63	25.67	**24.70**	24.65	24.66
		1	14	25.60	25.53	25.57	24.60	24.57	24.59
		8	0	25.09	25.01	25.07	23.96	23.87	23.88
		8	4	25.12	25.06	25.11	23.99	23.91	23.91
		8	7	25.13	25.06	25.08	23.98	23.92	23.89
		15	0	25.08	25.02	25.06	23.93	23.87	23.85
	16QAM	1	0	25.33	25.31	25.36	24.25	24.21	24.20
		1	7	25.42	25.38	**25.46**	**24.36**	24.31	24.33
		1	14	25.29	25.28	25.38	24.21	24.23	24.24
		8	0	24.54	24.45	24.49	23.37	23.28	23.23
		8	4	24.57	24.49	24.53	23.41	23.34	23.29
		8	7	24.55	24.47	24.51	23.37	23.30	23.28
		15	0	24.46	24.39	24.45	23.29	23.23	23.22
	64QAM	1	0	24.50	24.56	24.60	23.50	23.43	23.41
		1	7	24.55	24.64	**24.66**	23.51	23.51	**23.52**
		1	14	24.58	24.64	24.63	23.43	23.46	23.38
		8	0	22.69	22.67	22.64	21.46	21.63	21.54
		8	4	22.72	22.68	22.76	21.68	21.67	21.56
		8	7	22.75	22.69	22.75	21.69	21.68	21.59
		15	0	22.52	22.66	22.72	21.64	21.59	21.47
	256QAM	1	0	20.63	20.51	20.00	18.99	19.82	19.50
		1	7	**20.81**	20.74	20.58	19.85	19.95	19.57
		1	14	20.78	20.49	20.64	**19.96**	19.56	19.38
		8	0	20.60	20.54	20.08	19.18	19.83	19.31
		8	4	20.72	20.52	20.34	19.58	19.76	19.33
		8	7	20.76	20.46	20.42	19.74	19.65	19.36
		15	0	20.64	20.43	20.25	19.48	19.65	19.31

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OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26715	26740	26765	26715	26740	26765
				816.5	819.0	821.5	816.5	819.0	821.5
5.0	QPSK	1	0	25.57	25.62	25.64	24.64	24.56	24.48
		1	12	**25.70**	25.67	**25.70**	**24.70**	24.62	24.59
		1	24	25.58	25.58	25.61	24.58	24.52	24.48
		12	0	24.97	25.04	25.02	23.99	23.89	23.79
		12	6	25.06	25.05	25.03	23.99	23.91	23.85
		12	11	25.01	25.03	25.04	23.95	23.89	23.87
		25	0	25.02	25.02	25.04	23.97	23.90	23.89
	16QAM	1	0	25.38	25.28	25.35	**24.36**	24.24	24.18
		1	12	25.42	25.43	**25.46**	24.35	24.34	24.35
		1	24	25.34	25.30	25.31	24.31	24.22	24.17
		12	0	24.38	24.45	24.51	23.42	23.14	23.17
		12	6	24.47	24.46	24.51	23.43	23.15	23.29
		12	11	24.45	24.45	24.48	23.40	23.13	23.25
		25	0	24.46	24.40	24.47	23.34	23.21	23.20
	64QAM	1	0	24.63	24.56	24.63	**23.52**	23.46	23.45
		1	12	**24.66**	24.58	24.62	**23.52**	23.39	23.48
		1	24	24.59	24.55	24.57	23.48	23.34	23.44
		12	0	22.39	22.55	22.75	21.65	21.61	21.61
		12	6	22.50	22.57	22.76	21.69	21.63	21.64
		12	11	22.48	22.51	22.70	21.65	21.62	21.60
		25	0	22.60	22.52	22.61	21.66	21.59	21.46
	256QAM	1	0	20.32	20.62	19.99	19.13	**19.96**	19.73
		1	12	20.54	20.60	20.48	19.89	19.87	19.23
		1	24	**20.81**	20.67	20.58	19.80	19.67	19.47
		12	0	20.50	20.56	20.23	19.40	19.82	19.46
		12	6	20.67	20.51	20.53	19.84	19.63	19.40
		12	11	20.72	20.50	20.53	19.88	19.52	19.29
		25	0	20.54	20.43	20.29	19.57	19.60	19.29

OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	26740	N/A	N/A	26740	N/A
				N/A	819.0	N/A	N/A	819.0	N/A
10.0	QPSK	1	0		**25.70**			**24.70**	
		1	24		25.67			24.66	
		1	49		25.62			24.47	
		25	0		25.20			24.06	
		25	12		25.17			24.06	
		25	24		25.17			24.03	
		50	0		25.17			24.06	
	16QAM	1	0		**25.46**			24.35	
		1	24		25.38			24.27	
		1	49		25.40			**24.36**	
		25	0		24.42			23.35	
		25	12		24.40			23.33	
		25	24		24.39			23.30	
		50	0		24.42			23.34	
	64QAM	1	0		**24.66**			**23.52**	
		1	24		24.56			23.47	
		1	49		24.57			23.49	
		25	0		22.76			21.69	
		25	12		22.75			21.69	
		25	24		22.72			21.67	
		50	0		22.74			21.67	
	256QAM	1	0		20.15			19.27	
		1	24		20.58			**19.96**	
		1	49		**20.81**			19.68	
		25	0		20.49			19.85	
		25	12		20.59			19.85	
		25	24		20.65			19.59	
		50	0		20.45			19.63	

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5G NR n26

Test Engineer ID:	50822	Test Date:	Click or tap to enter a date.

OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				163300	163800	164300	163300	163800	164300
				816.5	819.0	821.5	816.5	819.0	821.5
5.0	BPSK	1	0	24.20	24.11	24.08	23.15	23.19	23.20
		1	1	**25.70**	25.60	25.60	**24.66**	24.57	24.58
		1	23	25.63	25.64	25.62	24.60	24.56	24.56
		1	24	24.11	24.12	24.14	23.20	23.14	23.11
		12	6	25.65	25.62	**25.70**	24.50	24.58	24.57
		25	0	25.55	25.52	25.60	24.25	24.28	24.16
	QPSK	1	0	23.78	23.69	23.63	23.14	23.14	23.18
		1	1	**25.68**	25.60	25.64	**24.70**	24.54	24.53
		1	23	25.67	**25.68**	25.67	24.51	24.58	24.56
		1	24	23.71	23.74	23.76	23.06	23.14	23.18
		12	6	25.66	25.61	**25.68**	24.48	24.57	24.55
		25	0	25.18	25.16	25.25	24.28	24.35	24.35
	16QAM	1	0	23.58	23.51	23.49	22.73	22.98	23.08
		1	1	23.93	23.98	23.89	21.87	22.16	22.21
		1	23	23.87	24.05	23.97	21.86	22.25	22.22
		1	24	23.45	23.63	23.52	22.39	22.61	22.60
		12	6	23.80	23.65	23.78	22.61	22.61	22.59
		25	0	24.74	24.77	**24.82**	**23.69**	23.63	23.65
	64QAM	1	0	21.86	21.83	21.74	21.29	21.25	21.26
		1	1	**23.34**	23.29	23.23	22.52	22.45	22.47
		1	23	23.33	23.32	23.32	**22.56**	22.42	22.36
		1	24	21.72	21.83	21.77	21.31	21.17	21.21
		12	6	23.21	23.26	23.11	22.31	22.27	22.20
		25	0	23.10	23.21	23.22	22.31	22.23	22.20
	256QAM	1	0	19.72	19.77	19.78	19.28	19.10	19.06
		1	1	21.25	21.22	21.30	**20.48**	20.28	20.34
		1	23	21.14	**21.31**	21.12	20.36	20.25	20.31
		1	24	19.68	19.75	19.74	19.15	19.08	18.95
		12	6	21.23	21.28	21.23	20.26	20.21	20.27
		25	0	21.18	21.26	21.23	20.36	20.33	20.28

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OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				NA	163800	NA	NA	163800	NA
				NA	819.0	NA	NA	819.0	NA
10.0	BPSK	1	0		25.63			24.45	
		1	1		25.62			**24.70**	
		1	50		25.64			24.59	
		1	51		25.61			24.38	
		25	12		25.59			24.58	
		50	0		**25.70**			24.40	
	QPSK	1	0		25.28			24.38	
		1	1		**25.70**			24.55	
		1	50		25.61			**24.56**	
		1	51		25.21			24.31	
		25	12		25.64			**24.56**	
		50	0		25.16			24.37	
	16QAM	1	0		**25.13**			**24.28**	
		1	1		24.05			22.25	
		1	50		24.05			22.13	
		1	51		25.10			23.94	
		25	12		23.73			22.57	
		50	0		25.00			23.73	
	64QAM	1	0		**23.36**			22.45	
		1	1		23.34			**22.56**	
		1	50		23.13			22.46	
		1	51		23.14			22.41	
		25	12		23.03			22.33	
		50	0		23.20			22.35	
	256QAM	1	0		21.22			20.40	
		1	1		21.26			**20.48**	
		1	50		21.23			20.30	
		1	51		21.18			20.28	
		25	12		21.27			20.41	
		50	0		**21.31**			20.33	

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8.9. LTE BAND 26 AND 5G NR n26 (FCC PART 22)

LTE BAND 26

Test Engineer ID:	50822	Test Date:	4/20/2022

OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26797	26915	27033	26797	26915	27033
				824.7	836.5	848.3	824.7	836.5	848.3
1.4	QPSK	1	0	25.65	25.57	25.63	24.56	24.63	24.66
		1	2	25.67	25.69	25.68	24.61	24.66	**24.70**
		1	5	25.65	25.65	25.64	24.57	24.62	24.66
		3	0	25.69	25.61	25.65	24.59	24.65	24.65
		3	1	**25.70**	25.61	25.65	24.59	24.65	24.68
		3	2	**25.70**	25.69	25.68	24.61	24.67	24.68
		6	0	25.46	25.35	25.24	24.26	24.35	24.36
	16QAM	1	0	25.61	25.5	**25.66**	24.24	24.33	24.46
		1	2	25.60	25.61	25.51	24.19	24.37	**24.52**
		1	5	25.56	25.55	25.28	23.99	24.31	24.46
		3	0	25.53	25.44	25.43	24.15	24.21	24.29
		3	1	25.53	25.44	25.38	24.12	24.24	24.29
		3	2	25.55	25.5	25.23	24.03	24.24	24.27
		6	0	24.76	24.69	23.49	22.62	23.69	23.36
	64QAM	1	0	24.60	24.44	23.45	22.61	23.68	23.21
		1	2	**24.62**	24.6	23.39	22.50	**23.76**	23.15
		1	5	24.58	24.5	23.07	22.35	23.69	23.25
		3	0	24.46	24.44	23.45	22.55	23.52	23.26
		3	1	24.49	24.46	23.40	22.55	23.56	23.26
		3	2	24.49	24.51	23.29	22.45	23.53	23.26
		6	0	23.95	23.98	22.39	21.28	22.81	22.07
	256QAM	1	0	20.60	**20.81**	19.32	18.45	**19.96**	19.07
		1	2	20.78	20.78	19.23	18.43	19.94	19.20
		1	5	20.79	20.73	19.05	18.27	19.87	19.17
		3	0	20.61	20.61	19.26	18.40	19.84	19.05
		3	1	20.65	20.6	19.20	18.33	19.84	19.04
		3	2	20.68	20.58	19.10	18.31	19.78	19.06
		6	0	20.72	20.47	19.22	18.17	19.66	18.94

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OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26805	26915	27025	26805	26915	27025
				825.5	836.5	847.5	825.5	836.5	847.5
3.0	QPSK	1	0	25.61	25.51	25.51	24.58	24.56	24.58
		1	7	**25.70**	25.64	25.57	**24.70**	24.67	**24.70**
		1	14	25.63	25.54	25.50	24.58	24.58	24.63
		8	0	25.05	24.91	24.96	23.91	23.84	23.94
		8	4	25.08	24.93	24.99	23.91	23.94	23.96
		8	7	25.07	25.02	24.98	23.92	23.94	23.95
		15	0	25.05	24.91	24.94	23.88	23.91	23.94
	16QAM	1	0	25.32	25.27	25.23	24.16	24.22	24.19
		1	7	25.38	**25.46**	25.38	24.29	24.32	**24.36**
		1	14	25.30	25.33	25.24	24.13	24.25	24.26
		8	0	24.44	24.25	24.31	23.25	23.20	23.33
		8	4	24.47	24.29	24.33	23.28	23.31	23.34
		8	7	24.45	24.34	24.31	23.28	23.27	23.33
		15	0	24.39	24.21	24.26	23.18	23.21	23.25
	64QAM	1	0	24.49	24.50	24.48	23.25	23.37	23.45
		1	7	24.53	**24.66**	24.41	23.36	**23.52**	23.46
		1	14	24.50	24.62	23.80	22.94	23.50	23.45
		8	0	22.73	22.67	21.97	20.60	21.58	21.31
		8	4	22.75	22.70	21.90	20.66	21.69	21.32
		8	7	22.76	22.75	21.80	20.64	21.68	21.30
		15	0	22.72	22.65	21.73	20.55	21.58	21.26
	256QAM	1	0	20.55	20.50	19.55	18.53	19.90	19.19
		1	7	20.74	20.59	19.46	18.63	19.95	19.37
		1	14	**20.81**	20.60	18.95	18.38	19.91	19.32
		8	0	20.55	20.50	19.37	18.43	19.95	19.17
		8	4	20.59	20.50	19.32	18.53	**19.96**	19.17
		8	7	20.61	20.50	19.25	18.48	19.92	19.18
		15	0	20.55	20.42	19.19	18.40	19.86	19.12

OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26815	26915	27015	26815	26915	27015
				826.5	836.5	846.5	826.5	836.5	846.5
5.0	QPSK	1	0	25.60	25.57	25.58	24.56	24.57	24.57
		1	12	**25.70**	25.67	25.63	24.64	24.64	**24.70**
		1	24	25.62	25.56	25.52	24.53	24.57	24.56
		12	0	25.02	24.92	24.97	23.87	23.78	23.83
		12	6	25.07	24.94	24.98	23.90	23.89	23.94
		12	11	25.01	24.97	24.93	23.86	23.85	23.87
		25	0	25.03	24.90	24.95	23.86	23.87	23.88
	16QAM	1	0	25.35	25.29	25.31	24.27	24.14	24.19
		1	12	25.42	**25.46**	25.43	24.30	24.24	**24.36**
		1	24	25.35	25.27	25.23	24.19	24.14	24.16
		12	0	24.45	24.33	24.37	23.33	23.27	23.35
		12	6	24.48	24.35	24.38	23.28	23.37	23.42
		12	11	24.42	24.41	24.34	23.27	23.34	23.41
		25	0	24.42	24.29	24.35	23.20	23.28	23.36
	64QAM	1	0	24.58	24.61	24.50	23.44	23.44	23.50
		1	12	**24.66**	24.63	24.53	23.23	23.49	**23.52**
		1	24	24.59	24.58	24.01	22.97	23.47	23.47
		12	0	22.73	22.69	22.31	20.73	21.59	21.36
		12	6	22.72	22.73	22.01	20.63	21.69	21.42
		12	11	22.71	22.76	21.82	20.62	21.68	21.47
		25	0	22.72	22.67	22.00	20.61	21.64	21.33
	256QAM	1	0	20.59	20.59	20.26	18.80	**19.96**	19.14
		1	12	20.66	20.55	19.61	18.36	19.91	19.21
		1	24	**20.81**	20.73	19.19	18.30	19.92	19.43
		12	0	20.61	20.44	19.85	18.51	19.79	19.13
		12	6	20.68	20.52	19.57	18.40	19.86	19.17
		12	11	20.75	20.53	19.37	18.38	19.78	19.24
		25	0	20.58	20.43	19.50	18.37	19.69	19.10

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OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26840	26915	26990	26840	26915	26990
				829.0	836.5	844.0	829.0	836.5	844.0
10.0	QPSK	1	0	**25.70**	25.60	25.60	24.69	24.66	24.67
		1	24	25.69	25.60	25.63	**24.70**	24.67	**24.70**
		1	49	25.64	25.60	25.57	24.62	24.66	**24.70**
		25	0	25.06	24.99	24.98	23.85	23.88	23.86
		25	12	25.11	24.98	24.97	23.87	23.93	23.93
		25	24	25.11	25.04	25.03	23.92	23.94	23.94
		50	0	25.11	24.99	24.97	23.86	23.95	23.96
	16QAM	1	0	25.38	**25.46**	25.41	**24.36**	24.33	24.32
		1	24	25.37	25.39	25.34	24.19	24.26	24.19
		1	49	25.36	25.41	25.39	24.29	24.32	24.32
		25	0	24.44	24.38	24.39	23.25	23.26	23.27
		25	12	24.50	24.36	24.36	23.23	23.33	23.30
		25	24	24.50	24.41	24.42	23.30	23.32	23.31
		50	0	24.48	24.35	24.32	23.24	23.31	23.31
	64QAM	1	0	24.64	24.58	**24.66**	23.44	**23.52**	23.37
		1	24	**24.66**	24.57	24.64	23.41	23.46	23.37
		1	49	**24.66**	24.56	24.21	23.00	23.47	23.29
		25	0	22.68	22.64	22.64	21.43	21.60	21.35
		25	12	22.76	22.65	22.62	21.01	21.69	21.52
		25	24	22.73	22.71	22.11	20.74	21.67	21.62
		50	0	22.74	22.63	22.47	21.00	21.68	21.48
	256QAM	1	0	20.69	20.78	20.69	19.69	**19.96**	19.32
		1	24	**20.81**	20.68	20.26	18.97	19.94	19.51
		1	49	20.62	20.76	19.22	18.53	19.66	19.66
		25	0	20.66	20.54	20.62	19.29	19.90	19.17
		25	12	20.71	20.54	20.26	18.88	19.88	19.38
		25	24	20.65	20.64	19.70	18.59	19.76	19.61
		50	0	20.55	20.49	20.04	18.85	19.72	19.32

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5G NR n26

Test Engineer ID:	50822	Test Date:	4/20/2022

OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				165300	167300	169300	165300	167300	169300
				826.5	836.5	846.5	826.5	836.5	846.5
5.0	BPSK	1	0	**25.70**	25.63	25.60	24.66	24.61	**24.70**
		1	1	25.65	25.57	25.59	24.63	24.61	24.68
		1	23	25.59	25.63	25.50	24.58	24.67	24.63
		1	24	25.60	25.61	25.51	24.57	24.63	24.61
		12	6	25.61	25.58	25.55	24.61	24.58	24.68
		25	0	25.53	25.52	25.49	24.56	24.64	24.57
	QPSK	1	0	25.27	25.21	25.22	24.36	24.38	24.37
		1	1	**25.66**	25.60	25.61	24.61	24.60	24.66
		1	23	25.63	25.65	25.56	24.63	24.66	24.66
		1	24	25.21	25.28	24.91	24.34	24.36	24.37
		12	6	25.61	25.60	25.55	24.61	24.60	**24.68**
		25	0	25.17	25.16	25.14	24.28	24.36	24.35
	16QAM	1	0	25.08	25.11	25.05	24.20	24.19	**24.28**
		1	1	24.01	23.99	23.93	22.25	22.17	22.22
		1	23	24.00	24.05	23.89	22.14	22.24	22.24
		1	24	25.10	**25.13**	24.98	23.91	23.96	23.91
		12	6	23.76	23.74	23.72	22.63	22.73	22.58
		25	0	24.79	24.82	24.77	23.72	23.77	23.73
	64QAM	1	0	23.26	23.29	23.23	**22.56**	22.46	22.48
		1	1	23.30	23.23	23.22	22.54	22.47	22.51
		1	23	23.21	**23.36**	23.20	22.44	22.51	22.53
		1	24	23.22	23.32	23.24	22.40	22.43	22.50
		12	6	23.19	23.09	23.10	22.32	22.43	22.37
		25	0	23.16	23.09	23.10	22.32	22.43	22.39
	256QAM	1	0	21.22	21.22	21.26	20.42	20.39	20.46
		1	1	**21.31**	21.30	21.25	20.37	20.36	**20.48**
		1	23	21.27	21.25	21.19	20.37	20.44	20.36
		1	24	21.29	21.23	21.22	20.39	20.41	20.39
		12	6	21.26	21.18	21.14	20.38	20.42	20.44
		25	0	21.25	21.15	21.19	20.31	20.42	20.40

OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				165800	167300	168800	165800	167300	168800
				829.0	836.5	844.0	829.0	836.5	844.0
10.0	BPSK	1	0	25.68	25.66	25.64	24.57	24.60	24.56
		1	1	25.63	25.66	25.60	24.56	24.59	24.57
		1	50	25.61	25.64	25.53	24.54	24.54	24.60
		1	51	25.59	25.67	25.51	24.54	24.55	24.60
		25	12	25.66	25.59	25.51	24.48	24.57	24.60
		50	0	**25.69**	25.62	25.60	**24.65**	24.63	24.62
	QPSK	1	0	25.21	25.21	25.17	24.31	24.31	24.32
		1	1	**25.70**	25.64	25.66	24.61	24.64	24.59
		1	50	25.59	25.62	25.54	24.62	24.59	24.60
		1	51	25.17	25.21	24.99	24.30	24.30	24.34
		25	12	25.68	25.62	25.57	24.54	24.64	**24.70**
		50	0	25.28	25.15	25.13	24.28	24.38	24.38
	16QAM	1	0	25.12	**25.13**	**25.13**	**24.24**	24.23	24.18
		1	1	24.05	23.96	23.98	22.16	22.21	22.25
		1	50	23.92	23.97	23.91	22.19	22.23	22.22
		1	51	25.09	25.12	25.03	23.91	23.96	24.05
		25	12	23.78	23.70	23.70	22.61	22.64	22.74
		50	0	25.00	24.84	24.84	23.71	23.76	23.81
	64QAM	1	0	23.30	23.28	**23.36**	22.43	22.39	22.40
		1	1	23.32	23.29	23.33	22.46	22.35	22.45
		1	50	23.25	23.29	23.29	22.42	22.48	**22.56**
		1	51	23.30	23.27	23.21	22.45	22.41	22.43
		25	12	23.30	23.05	23.20	22.25	22.36	22.36
		50	0	23.30	23.11	23.18	22.19	22.26	22.37
	256QAM	1	0	21.21	21.16	21.12	20.41	20.35	20.43
		1	1	21.25	21.20	21.21	20.33	20.41	20.40
		1	50	21.16	21.15	21.01	20.35	20.31	20.42
		1	51	21.18	21.12	21.04	20.28	20.40	20.43
		25	12	21.26	21.08	21.16	20.28	20.36	20.44
		50	0	**21.31**	21.14	21.03	20.42	20.42	**20.48**

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8.10. LTE BAND 30 AND 5G NR n30

LTE BAND 30

Test Engineer ID:	25602	Test Date:	4/19/2022

OUTPUT POWER FOR LTE BAND 30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				27685	27710	27735	27685	27710	27735	27685	27710	27735	27685	27710	27735
				2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5
5.0	QPSK	1	0	25.09	25.07	25.06	23.55	23.60	23.61	23.71	23.70	23.68	23.09	23.09	23.10
		1	12	**25.20**	**25.20**	**25.17**	**23.63**	**23.68**	**23.70**	**23.78**	**23.80**	**23.79**	**23.18**	**23.20**	**23.20**
		1	24	25.12	25.08	25.08	23.57	23.60	23.59	23.66	23.65	23.72	23.10	23.12	23.13
		12	0	24.45	24.42	24.39	22.78	22.86	22.84	23.10	23.01	23.02	22.71	22.72	22.66
		12	6	24.50	24.47	24.46	22.85	22.89	22.91	23.14	23.12	23.06	22.74	22.75	22.73
		12	11	24.45	24.41	24.41	22.80	22.86	22.86	23.08	23.07	23.10	22.68	22.72	22.77
		25	0	24.45	24.43	24.42	22.82	22.84	22.86	23.10	23.08	23.01	22.70	22.74	22.69
	16QAM	1	0	24.80	24.79	24.78	23.14	23.11	23.20	23.46	23.40	23.46	23.08	23.08	23.09
		1	12	**24.96**	**24.87**	**24.92**	**23.32**	**23.27**	**23.36**	**23.62**	**23.57**	**23.61**	**23.20**	**23.20**	**23.20**
		1	24	24.75	24.75	24.78	23.13	23.16	23.23	23.38	23.41	23.52	23.08	23.11	23.14
		12	0	23.90	23.91	23.93	22.31	22.31	22.19	22.56	22.50	22.43	22.35	22.50	22.45
		12	6	23.94	23.96	23.94	22.37	22.35	22.23	22.61	22.61	22.46	22.41	22.55	22.52
		12	11	23.89	23.92	23.93	22.34	22.31	22.21	22.55	22.56	22.51	22.41	22.51	22.56
		25	0	23.83	23.79	23.80	22.21	22.25	22.24	22.44	22.45	22.38	22.43	22.38	22.37
	64QAM	1	0	24.07	**24.08**	**24.16**	22.42	22.45	22.45	**22.80**	22.71	22.64	22.60	22.51	22.62
		1	12	24.11	24.05	24.15	**22.50**	**22.49**	**22.52**	**22.80**	**22.80**	**22.75**	**22.68**	**22.60**	**22.69**
		1	24	**24.13**	23.98	24.13	22.41	22.45	22.44	22.71	22.68	22.73	22.60	22.55	22.65
		12	0	22.05	22.13	22.21	20.30	20.46	20.69	20.81	20.67	20.62	20.51	20.77	20.69
		12	6	22.10	22.20	22.26	20.43	20.56	20.62	20.88	20.75	20.65	20.67	20.84	20.74
		12	11	22.04	22.15	22.20	20.51	20.54	20.42	20.84	20.71	20.71	20.75	20.78	20.62
		25	0	22.11	22.18	22.15	20.36	20.47	20.48	20.70	20.67	20.64	20.47	20.72	20.66
	256QAM	1	0	20.00	20.15	**20.31**	18.66	18.80	**18.96**	18.47	18.58	18.91	18.58	18.74	18.98
		1	12	19.89	20.00	**20.31**	18.62	18.78	18.88	18.48	18.68	18.86	18.66	18.83	**18.99**
		1	24	**20.05**	**20.26**	20.21	**18.78**	18.77	18.59	**18.64**	**18.93**	18.67	**18.87**	**18.97**	18.65
		12	0	19.79	19.99	20.22	18.50	18.68	18.86	18.20	18.51	18.86	18.41	18.76	18.90
		12	6	19.87	19.99	20.24	18.62	18.80	18.83	18.33	18.71	**18.92**	18.55	18.86	18.92
		12	11	19.92	20.10	20.16	18.69	**18.81**	18.66	18.44	18.80	18.83	18.68	18.94	18.78
		25	0	19.80	19.95	20.06	18.53	18.68	18.68	18.22	18.62	18.75	18.44	18.72	18.71

OUTPUT POWER FOR LTE BAND 30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A
				N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A
10.0	QPSK	1	0		25.19			23.64			**23.80**			23.13	
		1	24		**25.20**			23.69			**23.80**			**23.20**	
		1	49		25.14			**23.70**			23.77			23.14	
		25	0		24.63			23.03			23.17			22.81	
		25	12		24.67			23.05			23.26			22.82	
		25	24		24.62			23.03			23.19			22.80	
		50	0		24.62			23.02			23.23			22.80	
	16QAM	1	0		24.93			23.34			**23.62**			23.14	
		1	24		24.90			23.29			23.55			23.09	
		1	49		**24.96**			**23.36**			23.61			**23.18**	
		25	0		23.88			22.29			22.49			22.49	
		25	12		23.88			22.31			22.55			22.52	
		25	24		23.87			22.29			22.50			22.52	
		50	0		23.85			22.27			22.47			22.48	
	64QAM	1	0		**24.16**			**22.52**			**22.80**			22.63	
		1	24		24.12			22.51			22.70			22.64	
		1	49		24.12			22.50			22.79			**22.66**	
		25	0		22.26			20.52			20.79			20.60	
		25	12		22.26			20.69			20.88			20.81	
		25	24		22.25			20.63			20.84			20.77	
		50	0		22.25			20.46			20.86			20.56	
	256QAM	1	0		**20.31**			18.85			18.63			18.76	
		1	24		20.17			18.88			18.81			18.93	
		1	49		20.29			18.77			**18.93**			18.82	
		25	0		20.09			18.78			18.44			18.71	
		25	12		20.23			**18.96**			18.77			18.95	
		25	24		20.30			18.94			18.91			**18.96**	
		50	0		20.11			18.76			18.62			18.74	

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5G NR n30

Test Engineer ID:	50822	Test Date:	4/21/2022

OUTPUT POWER FOR 5G NR n30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				461500	462000	462500	461500	462000	462500	461500	462000	462500	461500	462000	462500
				2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5
5.0	BPSK	1	0	20.49	20.49	20.61	18.22	18.34	18.36	19.96	19.87	19.87	17.64	17.62	17.63
		1	1	20.50	20.47	20.62	18.20	18.33	18.35	19.95	19.84	19.88	17.51	17.60	17.60
		1	23	20.65	20.62	20.65	18.28	18.32	18.31	19.91	19.90	19.98	17.65	17.62	17.58
		1	24	20.59	20.57	20.65	18.25	18.20	18.20	19.87	19.90	19.96	17.59	17.59	17.58
		12	6	20.59	20.67	20.70	18.26	18.38	18.40	19.93	20.00	20.00	17.68	17.69	17.70
		25	0	**25.13**	**25.20**	**25.08**	**23.67**	**23.67**	**23.70**	**23.79**	**23.78**	**23.80**	**23.12**	**23.20**	**23.12**
	QPSK	1	0	20.17	20.08	20.28	18.02	18.08	18.16	19.68	19.65	19.70	16.97	17.00	17.07
		1	1	20.55	20.46	20.65	18.21	18.38	18.36	19.99	19.93	19.93	17.53	17.57	17.59
		1	23	20.50	20.64	20.66	18.30	18.31	18.28	19.87	19.93	19.99	17.55	17.67	17.60
		1	24	20.27	20.25	20.28	18.05	18.07	18.05	19.61	19.71	19.80	17.13	17.17	17.12
		12	6	20.58	20.64	20.70	18.27	18.40	18.40	19.89	20.00	19.93	17.55	17.70	17.67
		25	0	**25.06**	**25.14**	**25.20**	**23.44**	**23.57**	**23.57**	**23.55**	**23.62**	**23.66**	**22.58**	**22.72**	**22.69**
	16QAM	1	0	20.51	20.54	20.69	18.27	18.30	18.40	19.52	19.72	19.76	16.50	16.66	16.61
		1	1	19.45	19.45	19.62	17.19	17.27	17.32	15.54	15.74	15.76	17.53	17.66	17.61
		1	23	19.36	19.49	19.60	17.14	17.22	17.24	15.37	15.84	15.92	17.70	17.67	17.64
		1	24	20.59	20.62	20.70	18.28	18.29	18.35	19.36	19.87	20.00	16.68	16.64	16.61
		12	6	19.22	19.43	19.49	17.03	17.22	17.18	17.96	18.03	17.99	17.52	17.54	17.47
		25	0	**24.90**	**24.92**	**25.04**	**22.90**	**23.03**	**23.01**	**22.97**	**22.91**	**22.93**	**21.77**	**21.72**	**21.73**
	64QAM	1	0	20.56	20.50	20.64	18.24	18.37	18.38	19.89	19.89	19.90	17.63	17.58	17.67
		1	1	20.47	20.52	20.70	18.28	18.39	18.37	20.00	19.91	19.93	17.62	17.70	17.65
		1	23	20.55	20.61	20.66	18.26	18.39	18.40	19.77	19.94	19.91	17.68	17.63	17.68
		1	24	20.64	20.61	20.62	18.34	18.22	18.36	19.77	19.87	19.96	17.64	17.61	17.66
		12	6	20.42	20.52	20.56	18.22	18.30	18.29	19.76	19.78	19.78	17.52	17.65	17.59
		25	0	**23.15**	**23.18**	**23.29**	**21.21**	**21.29**	**21.35**	**21.96**	**21.97**	**21.98**	**21.24**	**21.22**	**21.20**
	256QAM	1	0	20.51	20.53	20.63	19.28	19.30	19.33	20.00	19.85	19.82	17.58	17.60	17.54
		1	1	20.65	20.47	20.61	19.30	19.31	19.31	19.90	19.85	19.86	17.61	17.62	17.59
		1	23	20.66	20.62	20.66	19.26	19.27	19.25	19.88	19.97	19.92	17.54	17.60	17.65
		1	24	20.50	20.61	20.62	19.18	19.24	19.30	19.81	19.85	19.97	17.63	17.61	17.64
		12	6	20.65	20.68	20.70	19.26	19.30	19.33	19.90	19.81	19.80	17.70	17.62	17.67
		25	0	**21.30**	**21.35**	**21.34**	**19.39**	**19.37**	**19.36**	**20.10**	**20.03**	**20.11**	**19.11**	**19.13**	**19.09**

OUTPUT POWER FOR 5G NR n30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A	N/A	462000	N/A
				N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A
10.0	BPSK	1	0		20.53			18.40			19.99			17.13	
		1	1		20.56			18.38			19.96			17.70	
		1	50		20.70			18.30			20.00			17.66	
		1	51		20.66			18.35			19.96			17.11	
		25	12		20.63			18.33			19.83			17.53	
		50	0		**23.20**			**21.20**			**22.50**			**20.70**	
	QPSK	1	0		19.17			17.24			19.69			16.70	
		1	1		20.70			18.40			19.97			17.70	
		1	50		20.60			18.32			20.00			17.46	
		1	51		19.20			17.48			19.74			16.45	
		25	12		20.70			18.40			19.82			17.69	
		50	0		**23.20**			**21.20**			**22.07**			**20.18**	
	16QAM	1	0		20.46			18.40			19.91			16.73	
		1	1		19.50			17.29			15.96			17.70	
		1	50		19.62			17.32			15.89			17.64	
		1	51		20.70			18.38			20.00			16.66	
		25	12		19.36			17.08			17.96			17.69	
		50	0		**22.57**			**20.46**			**21.66**			**19.15**	
	64QAM	1	0		20.61			18.40			19.83			17.70	
		1	1		20.50			18.38			19.86			17.68	
		1	50		20.70			18.26			**20.00**			17.69	
		1	51		20.63			18.27			19.89			17.68	
		25	12		20.45			18.18			19.60			17.50	
		50	0		**21.05**			**18.84**			19.28			**18.65**	
	256QAM	1	0		20.49			**19.31**			19.92			17.64	
		1	1		20.43			19.25			**20.00**			17.67	
		1	50		20.60			19.25			19.87			17.60	
		1	51		**20.70**			19.13			19.77			17.56	
		25	12		20.56			19.30			19.95			**17.70**	
		50	0		19.17			17.00			17.54			16.64	

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8.11. LTE BAND 41 AND 5G NR n41

LTE BAND 41

Test Engineer ID:	25780	Test Date:	4/16/2022

OUTPUT POWER FOR LTE BAND 41 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39675	40620	41565	39675	40620	41565	39675	40620	41565	39675	40620	41565
				2498.5	2593.0	2687.5	2498.5	2593.0	2687.5	2498.5	2593.0	2687.5	2498.5	2593.0	2687.5
5.0	QPSK	1	0	24.18	28.54	27.13	24.85	28.59	27.84	22.13	27.91	26.35	25.82	27.22	26.16
		1	12	27.29	**28.70**	27.12	28.00	**28.70**	27.90	25.60	27.98	26.36	26.18	27.58	26.29
		1	24	27.20	28.55	27.12	27.80	28.59	28.00	25.75	**28.00**	26.28	26.30	**27.70**	26.30
		12	0	22.79	27.29	25.72	23.38	27.60	26.46	20.95	26.66	25.09	25.64	27.04	25.88
		12	6	22.75	27.39	25.81	23.45	27.73	26.41	21.11	26.64	25.08	25.85	27.25	25.85
		12	11	25.89	27.28	25.69	26.30	27.47	26.32	24.15	26.62	25.15	25.80	27.20	25.83
		25	0	22.73	27.25	25.73	23.33	27.63	26.35	20.98	26.62	25.10	25.76	27.16	25.82
	16QAM	1	0	24.64	28.10	27.61	25.37	27.99	27.45	22.62	27.60	26.90	25.48	26.88	25.65
		1	12	27.70	28.18	27.69	27.61	28.12	27.55	26.11	**27.71**	26.96	25.62	27.02	25.78
		1	24	27.69	28.19	27.70	27.56	28.07	27.54	26.20	27.69	27.00	25.74	**27.14**	25.81
		12	0	23.69	28.24	26.72	24.39	28.11	27.35	21.89	27.52	26.01	25.66	27.06	25.78
		12	6	23.72	28.22	26.75	24.45	**28.15**	27.38	22.14	27.57	26.06	25.71	27.11	25.84
		12	11	26.76	**28.25**	26.71	27.34	28.10	27.34	25.11	27.58	26.05	25.74	**27.14**	25.85
		25	0	23.73	28.23	26.71	24.30	28.12	27.37	21.99	27.54	26.05	25.68	27.08	25.85
	64QAM	1	0	22.85	27.27	25.89	23.59	27.71	26.51	20.95	26.72	25.18	25.77	27.17	25.99
		1	12	25.95	**27.47**	25.90	26.64	27.79	26.58	24.25	26.77	25.27	25.96	**27.36**	26.17
		1	24	26.00	27.36	25.90	26.54	**27.82**	26.66	24.37	**26.78**	25.17	25.94	27.34	26.20
		12	0	21.74	26.23	24.75	22.39	26.64	25.37	19.93	25.55	24.08	25.64	27.04	25.87
		12	6	21.79	26.27	24.75	22.43	26.70	25.38	20.13	25.61	24.13	25.67	27.07	25.96
		12	11	24.79	26.25	24.74	25.33	26.65	25.36	23.13	25.58	24.07	25.74	27.14	25.84
		25	0	21.76	26.26	24.71	22.32	26.61	25.38	19.99	25.58	24.05	25.69	27.09	25.86
	256QAM	1	0	19.76	24.33	22.79	20.32	24.58	23.31	17.78	**23.64**	22.02	25.62	27.02	25.79
		1	12	22.94	**24.35**	22.86	23.52	**24.74**	23.49	21.19	23.57	22.13	25.83	27.23	25.92
		1	24	22.93	24.33	22.90	23.37	24.65	23.34	21.37	23.60	22.14	25.94	**27.34**	25.94
		12	0	19.75	24.25	22.75	20.39	24.62	23.35	17.91	23.58	22.06	25.67	27.07	25.80
		12	6	19.81	24.28	22.78	20.41	24.66	23.39	18.14	23.59	22.11	25.74	27.14	25.85
		12	11	22.80	24.30	22.74	23.33	24.61	23.35	21.14	23.56	22.08	25.76	27.16	25.82
		25	0	19.75	24.25	22.72	20.28	24.61	23.34	17.98	23.57	22.05	25.74	27.14	25.82

OUTPUT POWER FOR LTE BAND 41 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39700	40620	41540	39700	40620	41540	39700	40620	41540	39700	40620	41540
				2501.0	2593.0	2685.0	2501.0	2593.0	2685.0	2501.0	2593.0	2685.0	2501.0	2593.0	2685.0
10.0	QPSK	1	0	21.98	**28.70**	27.07	22.84	28.69	27.99	19.71	27.98	26.36	26.05	**27.70**	26.27
		1	24	27.12	28.69	27.15	28.00	**28.70**	28.00	25.27	**28.00**	26.37	26.29	**27.70**	26.27
		1	49	27.04	28.59	27.04	27.96	28.63	27.92	25.51	27.98	26.29	26.30	27.56	26.30
		25	0	22.77	27.35	25.78	23.61	27.83	26.55	20.73	26.74	25.11	25.91	27.48	26.02
		25	12	25.76	27.45	25.84	26.68	27.90	26.61	23.92	26.76	25.13	26.00	27.48	26.09
		25	24	24.73	27.45	25.83	25.57	27.90	26.49	23.07	26.74	25.07	26.02	27.51	26.11
		50	0	22.66	27.37	25.80	23.51	27.90	26.57	20.89	26.71	25.09	25.90	27.43	26.05
	16QAM	1	0	22.61	28.26	27.64	23.53	28.25	27.68	20.29	27.75	26.92	25.61	27.26	25.83
		1	24	27.70	28.29	27.70	27.82	28.32	27.76	25.89	**27.81**	27.00	25.87	27.35	25.92
		1	49	27.67	28.22	27.70	27.78	28.26	27.68	26.20	27.77	26.96	25.90	27.22	25.91
		25	0	23.69	28.34	26.76	24.60	28.34	27.56	21.76	27.71	26.07	25.87	27.42	26.02
		25	12	26.69	28.35	26.78	27.65	**28.39**	27.61	24.87	27.75	26.07	25.92	**27.50**	26.06
		25	24	25.70	**28.39**	26.82	26.53	28.34	27.53	24.04	27.70	26.03	25.96	27.47	26.06
		50	0	23.63	28.33	26.78	24.51	**28.39**	27.58	21.86	27.69	26.08	25.91	27.46	26.05
	64QAM	1	0	20.92	27.47	25.89	21.75	27.94	26.72	18.51	26.73	25.20	25.89	27.55	26.15
		1	24	26.01	**27.54**	25.88	26.82	**28.01**	26.84	24.14	26.82	25.27	26.14	**27.61**	26.24
		1	49	25.94	27.47	25.90	26.69	27.95	26.67	24.44	**26.87**	25.08	26.17	27.51	26.21
		25	0	21.73	26.35	24.78	22.61	26.89	25.54	19.79	25.73	24.09	25.88	27.44	26.03
		25	12	24.71	26.39	24.82	25.64	26.92	25.58	22.91	25.78	24.13	25.94	27.49	26.09
		25	24	23.70	26.41	24.86	24.54	26.87	25.54	22.06	25.71	24.08	25.97	27.46	26.09
		50	0	21.68	26.34	24.81	22.53	26.86	25.57	19.87	25.74	24.10	25.88	27.43	26.05
	256QAM	1	0	17.76	24.46	22.88	18.70	**24.89**	23.51	15.51	23.78	22.14	25.82	27.47	25.93
		1	24	22.80	**24.52**	22.85	23.74	24.86	23.67	21.07	**23.88**	22.17	26.07	27.44	26.06
		1	49	22.73	24.36	22.87	23.52	24.66	23.45	21.30	23.74	22.08	25.98	27.30	26.09
		25	0	19.71	24.35	22.75	20.58	24.86	23.56	17.75	23.73	22.07	25.88	27.43	25.99
		25	12	22.69	24.40	22.80	23.62	24.87	23.59	20.93	23.78	22.11	25.91	27.44	26.05
		25	24	21.72	24.41	22.83	22.55	24.83	23.53	20.06	23.70	22.05	25.99	**27.48**	26.08
		50	0	19.67	24.38	22.79	20.52	**24.89**	23.54	17.86	23.75	22.08	25.89	27.43	26.05

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OUTPUT POWER FOR LTE BAND 41 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39725	40620	41515	39725	40620	41515	39725	40620	41515	39725	40620	41515
				2503.5	2593.0	2682.5	2503.5	2593.0	2682.5	2503.5	2593.0	2682.5	2503.5	2593.0	2682.5
15.0	QPSK	1	0	22.03	**28.70**	27.01	22.97	**28.70**	27.87	19.73	**28.00**	26.39	25.95	**27.70**	26.28
		1	37	27.08	**28.70**	27.07	27.90	28.57	28.00	25.43	27.91	26.35	26.17	27.58	26.30
		1	74	27.07	28.66	27.05	28.00	28.60	27.85	25.66	27.92	26.41	26.20	27.63	26.23
		36	0	21.72	27.33	25.74	22.62	27.83	26.67	19.85	26.65	25.09	25.85	27.35	26.03
		36	16	25.71	27.33	25.75	26.62	27.89	26.68	24.13	26.67	25.10	25.97	27.36	26.06
		36	35	22.66	27.28	25.75	23.58	27.85	26.61	21.20	26.60	25.03	25.92	27.26	26.09
		75	0	21.69	27.29	25.73	22.59	27.83	26.67	20.02	26.64	25.08	25.87	27.32	26.05
	16QAM	1	0	22.58	28.20	27.57	23.51	28.19	27.78	20.34	**27.73**	26.93	25.60	27.22	25.86
		1	37	27.70	28.29	27.60	27.77	28.28	27.85	26.00	27.72	26.97	25.84	27.21	25.93
		1	74	27.64	28.29	27.70	27.71	28.30	27.86	26.20	27.72	27.00	25.91	27.17	25.93
		36	0	22.70	28.32	26.70	23.62	28.32	27.68	20.84	27.65	26.06	25.84	27.33	26.03
		36	16	26.69	**28.33**	26.71	27.58	28.34	27.67	25.14	27.67	26.05	25.97	**27.34**	26.05
		36	35	23.65	28.28	26.73	24.59	28.29	27.61	22.17	27.61	25.99	25.93	27.25	26.05
		75	0	22.63	28.27	26.69	23.59	**28.35**	27.67	21.00	27.61	26.07	25.89	27.30	26.05
	64QAM	1	0	20.94	**27.56**	25.81	21.61	27.89	26.82	18.37	26.69	25.07	26.05	27.53	26.10
		1	37	25.83	27.29	25.82	26.84	**28.03**	26.89	24.12	26.46	25.18	26.09	**27.63**	26.07
		1	74	25.73	27.48	25.74	26.70	28.01	26.82	24.52	**26.76**	25.21	26.30	**27.63**	26.09
		36	0	20.71	26.29	24.72	21.62	26.83	25.66	18.84	25.61	24.06	25.85	27.35	26.01
		36	16	24.70	26.29	24.72	25.60	26.83	25.66	23.11	25.67	24.08	25.96	27.36	26.03
		36	35	21.66	26.23	24.73	22.56	26.80	25.58	20.21	25.60	24.01	25.95	27.27	26.06
		75	0	20.67	26.30	24.70	21.60	26.82	25.66	19.03	25.63	24.07	25.87	27.35	26.03
	256QAM	1	0	18.06	**24.49**	22.99	18.74	**24.99**	23.76	15.46	**23.73**	22.09	25.98	**27.37**	26.10
		1	37	22.89	24.46	22.65	23.85	24.74	23.76	20.97	**23.73**	22.16	26.12	27.35	26.09
		1	74	22.86	24.39	22.76	23.62	24.78	23.55	21.63	23.49	22.23	26.11	27.36	25.95
		36	0	18.73	24.28	22.71	19.67	24.82	23.64	16.82	23.62	22.09	25.85	27.34	26.02
		36	16	22.69	24.27	22.71	23.62	24.85	23.67	21.10	23.66	22.10	25.94	27.31	26.04
		36	35	19.67	24.22	22.71	20.59	24.75	23.60	18.18	23.59	22.03	25.93	27.24	26.05
		75	0	18.66	24.28	22.69	19.59	24.84	23.63	17.01	23.65	22.08	25.87	27.33	26.06

OUTPUT POWER FOR LTE BAND 41 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39750	40620	41490	39750	40620	41490	39750	40620	41490	39750	40620	41490
				2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0
20.0	QPSK	1	0	21.98	28.55	27.04	22.97	28.00	27.82	19.67	27.83	26.36	25.93	27.65	25.96
		1	49	27.10	**28.70**	27.25	28.00	28.38	28.00	25.59	**28.00**	26.44	26.21	**27.70**	26.30
		1	99	27.03	28.64	27.09	27.09	**28.70**	27.80	25.59	27.84	26.44	26.30	27.67	26.17
		50	0	21.76	27.33	25.76	22.57	26.78	26.27	19.88	26.54	25.05	25.88	27.43	25.68
		50	24	25.79	27.33	25.75	26.33	26.97	26.35	24.20	26.57	25.06	25.92	27.41	25.72
		50	49	22.69	27.27	25.71	22.96	27.07	26.21	21.19	26.55	25.01	25.94	27.30	25.62
		100	0	21.70	27.31	25.75	22.25	26.98	26.31	20.10	26.56	25.05	25.88	27.40	25.70
	16QAM	1	0	22.59	28.23	27.68	23.64	27.53	27.02	20.25	27.68	26.91	25.53	27.28	25.58
		1	49	27.70	28.16	27.63	27.26	27.71	27.21	26.14	27.66	27.00	25.86	27.29	25.60
		1	99	27.67	28.23	27.70	26.57	**28.36**	27.13	26.20	**27.69**	26.99	25.93	27.31	25.66
		50	0	22.76	28.24	26.74	23.58	27.79	27.22	20.85	27.54	26.03	25.85	27.40	25.66
		50	24	26.80	28.28	26.76	27.32	27.86	27.34	25.16	27.55	26.07	25.93	**27.44**	25.70
		50	49	23.68	28.19	26.66	23.94	27.97	27.21	22.19	27.53	25.99	25.96	27.33	25.63
		100	0	22.67	**28.29**	26.73	23.26	27.98	27.31	21.10	27.54	26.04	25.86	27.39	25.69
	64QAM	1	0	20.82	**27.48**	25.85	21.87	26.79	26.31	18.46	26.69	25.24	25.94	**27.49**	25.82
		1	49	25.87	27.41	25.79	26.42	26.92	26.44	24.52	**26.88**	25.28	26.08	27.40	25.69
		1	99	25.68	27.35	25.86	25.70	**27.35**	26.32	24.41	26.68	25.18	26.12	27.46	25.95
		50	0	20.74	26.28	24.73	21.54	25.78	25.29	18.86	25.52	24.01	25.89	27.41	25.65
		50	24	24.78	26.30	24.74	25.30	25.93	25.34	23.16	25.59	24.03	25.92	27.42	25.68
		50	49	21.68	26.24	24.65	21.95	26.03	25.25	20.22	25.51	23.98	25.95	27.35	25.64
		100	0	20.69	26.27	24.73	21.24	25.96	25.33	19.10	25.55	24.02	25.87	27.42	25.67
	256QAM	1	0	18.03	**24.53**	22.81	18.75	23.72	23.16	15.59	23.71	22.15	25.90	27.52	25.78
		1	49	22.95	24.39	22.71	23.52	23.92	23.40	21.42	23.69	22.30	26.17	**27.53**	25.81
		1	99	22.95	24.41	22.85	22.69	**24.20**	23.23	21.40	**23.73**	22.23	26.20	27.44	25.81
		50	0	18.74	24.28	22.71	19.56	23.76	23.29	16.87	23.52	22.02	25.87	27.41	25.66
		50	24	22.77	24.28	22.74	23.30	23.94	23.38	21.13	23.59	22.08	25.91	27.42	25.72
		50	49	19.67	24.21	22.66	19.92	24.05	23.28	18.19	23.50	21.99	25.93	27.33	25.64
		100	0	18.67	24.27	22.70	19.23	23.96	23.33	17.08	23.56	22.04	25.86	27.38	25.71

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5G NR n41

Test Engineer ID:	12482	Test Date:	6/23/2022

OUTPUT POWER FOR 5G NR n41 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				501200	518600	536000	501200	518600	536000	501200	518600	536000	501200	518600	536000
				2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0
20.0	BPSK	1	0	22.63	24.90	24.64	22.03	25.26	23.89	20.41	24.05	22.70	19.51	24.50	23.43
		1	1	22.74	28.63	28.00	22.02	28.53	27.45	20.32	**27.68**	26.22	19.56	27.77	26.98
		1	49	28.00	**28.70**	27.54	27.65	**28.70**	27.60	26.28	27.46	26.22	26.15	**28.00**	27.00
		1	50	24.92	25.05	24.60	24.09	25.36	24.01	22.77	24.07	22.71	22.54	24.68	23.49
		25	12	24.73	28.57	27.77	24.03	28.57	27.49	22.62	27.60	26.22	22.26	27.85	26.93
		50	0	24.76	28.19	27.28	24.03	28.41	26.87	22.60	26.99	25.78	22.26	27.71	26.41
	QPSK	1	0	22.23	25.07	24.64	21.45	25.30	23.91	19.81	24.12	22.72	19.04	24.55	23.42
		1	1	22.24	**28.36**	27.18	21.46	28.53	27.49	19.95	**27.70**	26.30	19.03	27.84	26.98
		1	49	27.99	28.21	26.95	26.76	**28.68**	27.55	26.29	26.81	25.66	26.09	**27.91**	26.99
		1	50	24.83	25.12	24.65	24.04	25.39	24.01	22.73	24.11	22.68	22.55	24.78	23.51
		25	12	23.77	28.11	27.05	22.99	28.56	27.54	21.60	27.34	26.28	21.33	27.90	26.96
		50	0	23.70	27.29	26.28	22.99	27.88	26.45	21.61	26.57	25.16	21.35	27.21	25.95
	16QAM	1	0	21.87	25.16	24.83	21.36	25.49	24.27	20.14	24.30	22.90	19.19	24.89	23.64
		1	1	22.17	**27.62**	26.65	21.17	28.05	26.68	20.18	**26.65**	25.33	19.36	27.36	26.23
		1	49	27.18	27.52	26.40	25.84	**28.06**	26.77	25.43	26.53	25.27	25.29	**27.47**	26.26
		1	50	24.59	24.92	24.79	23.89	25.66	24.19	22.90	24.25	22.94	22.84	24.93	23.66
		25	12	23.24	27.51	26.30	22.52	27.86	26.55	21.09	26.51	25.25	20.86	27.11	25.81
		50	0	23.26	26.50	25.48	22.50	26.85	25.44	21.06	25.54	24.27	20.84	26.15	24.85
	64QAM	1	0	21.87	25.61	24.88	21.12	25.54	24.22	19.65	24.09	22.85	18.76	24.72	23.55
		1	1	21.92	**26.46**	25.55	21.05	26.53	25.16	19.66	**25.27**	23.93	18.86	25.71	24.67
		1	49	26.02	26.32	25.22	24.82	**26.65**	25.22	23.89	25.22	23.88	23.75	**25.89**	24.64
		1	50	25.16	25.32	24.58	24.13	25.54	24.19	23.07	24.18	22.88	22.65	24.90	23.52
		25	12	23.26	26.06	25.15	22.57	26.30	24.91	21.21	25.02	23.69	20.87	25.70	24.39
		50	0	23.22	26.07	25.20	22.51	26.35	24.93	21.06	25.01	23.66	20.78	25.65	24.39
	256QAM	1	0	20.30	24.04	23.37	19.39	24.16	22.74	17.89	22.94	21.62	16.92	23.45	22.49
		1	1	20.16	24.03	23.66	19.52	24.25	22.92	17.92	**23.02**	21.55	17.03	23.55	22.21
		1	49	23.86	23.91	23.56	23.00	24.23	23.05	21.42	22.89	21.54	21.42	23.62	22.34
		1	50	23.90	**24.06**	23.61	23.10	24.29	22.99	21.52	22.84	21.72	21.52	**23.66**	22.44
		25	12	21.77	23.90	23.49	20.97	24.25	22.93	19.66	23.01	21.59	19.27	23.53	22.32
		50	0	21.67	23.94	23.44	21.02	**24.33**	22.91	19.60	22.92	21.66	19.16	23.55	22.40

OUTPUT POWER FOR 5G NR n41 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				502200	518600	525000	502200	518600	525000	502200	518600	525000	502200	518600	525000
				2511.0	2593.0	2675.0	2511.0	2593.0	2675.0	2511.0	2593.0	2675.0	2511.0	2593.0	2675.0
30.0	BPSK	1	0	22.56	24.94	24.70	21.94	25.49	23.90	20.28	24.00	22.59	19.46	24.69	23.25
		1	1	22.44	28.61	28.00	22.01	**28.69**	27.45	20.41	**27.61**	26.25	19.58	**27.95**	26.74
		1	76	27.96	**28.70**	27.63	27.65	**28.69**	27.60	26.29	**27.61**	26.30	26.10	**27.95**	26.90
		1	77	24.64	25.13	24.77	24.13	25.49	24.10	22.71	24.06	22.72	22.57	24.73	23.42
		36	18	24.54	28.41	27.70	23.97	28.58	27.48	22.61	27.53	26.25	22.35	27.84	26.80
		75	0	24.58	28.17	27.29	23.98	28.39	27.00	22.62	27.03	25.75	22.33	27.72	26.24
	QPSK	1	0	22.07	25.07	24.74	21.45	25.39	23.83	19.87	24.14	22.73	18.92	24.75	23.27
		1	1	22.03	**28.31**	27.29	21.40	28.67	27.46	19.86	**27.70**	26.27	19.04	27.95	26.85
		1	76	28.00	28.22	26.97	26.69	**28.70**	27.59	26.24	26.87	25.70	26.15	**28.00**	27.00
		1	77	24.62	25.18	24.76	24.09	25.55	24.06	22.73	24.11	22.76	22.67	24.71	23.49
		36	18	23.52	27.96	27.04	23.04	28.59	27.44	21.57	27.26	26.26	21.36	27.90	26.77
		75	0	23.54	27.29	26.26	23.00	27.93	26.52	21.55	26.55	25.17	21.31	27.17	25.79
	16QAM	1	0	22.30	25.21	25.03	21.68	25.74	24.20	20.16	24.45	22.98	19.28	24.87	23.50
		1	1	22.33	27.69	26.80	21.94	**28.10**	26.60	20.16	**26.92**	25.30	19.37	27.45	25.84
		1	76	27.50	**27.89**	26.52	26.26	28.01	26.79	25.47	26.45	25.12	25.32	**27.47**	26.13
		1	77	25.02	25.32	24.84	24.27	25.75	24.20	22.95	24.39	22.99	22.75	25.06	23.61
		36	18	23.03	27.41	26.32	22.53	27.91	26.48	21.00	26.55	25.24	20.81	27.17	25.73
		75	0	23.03	26.56	25.55	22.44	26.83	25.43	21.04	25.57	24.18	20.78	26.10	24.71
	64QAM	1	0	21.68	25.27	24.91	21.08	25.63	24.18	19.46	24.35	22.80	18.52	25.05	23.47
		1	1	21.46	**26.40**	25.69	21.05	26.48	24.88	19.34	**25.24**	23.95	18.55	25.85	24.64
		1	76	25.79	26.31	25.43	24.75	**26.63**	25.27	23.76	**25.24**	23.97	23.69	**25.92**	24.69
		1	77	24.89	25.15	24.88	24.23	25.58	24.21	22.94	24.21	23.04	22.67	24.78	23.45
		36	18	23.08	26.06	25.14	22.44	26.31	24.86	21.01	24.97	23.63	20.78	25.59	24.29
		75	0	23.09	25.92	25.30	22.45	26.36	24.91	21.07	25.01	23.68	20.80	25.60	24.34
	256QAM	1	0	20.10	23.91	23.72	19.53	24.43	22.93	17.67	23.04	21.61	16.90	23.66	22.21
		1	1	20.25	23.77	23.81	19.39	24.44	22.92	17.88	23.06	21.58	17.12	**23.73**	22.28
		1	76	23.65	**24.10**	23.61	23.06	**24.50**	22.84	21.47	**23.15**	21.66	21.51	23.72	22.32
		1	77	23.57	23.98	23.86	23.06	24.41	23.03	21.69	22.96	21.67	21.54	23.53	22.28
		36	18	21.49	23.92	23.61	20.96	24.34	22.80	19.48	22.85	21.62	19.29	23.48	22.27
		75	0	21.50	23.88	23.60	20.91	24.35	22.83	19.49	22.93	21.71	19.24	23.51	22.25

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OUTPUT POWER FOR 5G NR n41 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				503200	518600	534000	503200	518600	534000	503200	518600	534000	503200	518600	534000
				2516.0	2593.0	2670.0	2516.0	2593.0	2670.0	2516.0	2593.0	2670.0	2516.0	2593.0	2670.0
40.0	BPSK	1	0	22.43	25.11	25.24	21.99	25.28	23.88	20.32	23.99	22.74	19.48	24.69	23.30
		1	1	22.56	28.64	28.00	21.98	**28.61**	27.52	20.39	**27.52**	26.30	19.58	27.84	26.83
		1	104	27.93	**28.70**	27.56	27.65	28.50	27.60	26.19	27.32	24.42	26.15	**27.89**	27.00
		1	105	24.74	24.99	25.37	24.08	25.32	23.99	22.72	23.94	22.71	22.61	24.69	23.48
		50	25	24.54	28.44	27.65	24.03	28.36	27.30	22.50	27.32	25.36	22.54	27.77	26.78
		100	0	24.62	28.12	27.28	24.05	28.24	26.94	22.56	26.93	24.97	22.48	27.60	26.32
	QPSK	1	0	22.09	25.06	25.49	21.57	25.35	23.94	19.81	24.00	22.81	19.10	24.62	23.27
		1	1	21.94	**28.43**	27.54	21.56	**28.70**	26.57	19.86	**27.70**	25.42	19.04	**28.00**	26.85
		1	104	28.00	28.18	26.88	26.98	28.40	26.32	26.29	26.61	23.59	26.14	27.81	26.97
		1	105	24.71	25.13	25.33	24.10	25.31	24.18	22.66	23.98	22.72	22.66	24.71	23.50
		50	25	23.54	27.82	27.03	23.00	28.38	27.35	21.51	27.10	24.71	21.48	27.77	26.79
		100	0	23.60	27.26	26.32	23.02	27.77	26.40	21.54	26.33	23.98	21.42	27.11	25.84
	16QAM	1	0	22.26	25.35	25.63	21.85	25.47	24.18	19.65	24.49	22.93	19.25	24.87	23.63
		1	1	22.23	**27.71**	26.93	21.81	**28.16**	26.80	19.67	**26.71**	25.01	19.30	27.38	26.14
		1	104	27.53	27.63	26.38	26.36	27.73	26.96	25.05	26.11	23.44	25.33	**27.54**	26.26
		1	105	25.16	25.22	25.58	24.46	25.65	24.23	22.43	24.06	22.39	23.05	25.04	23.72
		50	25	23.02	27.03	26.24	22.41	27.71	26.30	20.99	26.39	24.06	21.01	27.08	25.70
		100	0	23.19	26.50	25.62	22.50	26.72	25.34	20.88	25.42	23.33	21.02	26.13	24.74
	64QAM	1	0	21.77	25.18	25.80	21.20	25.49	24.15	19.29	24.41	22.79	18.80	24.85	23.54
		1	1	21.71	26.32	25.96	21.21	**26.46**	25.20	19.66	**25.37**	23.73	18.87	**25.90**	24.54
		1	104	25.80	**26.33**	25.36	24.79	26.32	25.21	24.07	25.18	22.16	23.82	25.86	24.52
		1	105	24.81	25.29	25.33	24.40	25.43	24.15	22.85	24.18	22.20	22.93	24.89	23.52
		50	25	23.13	26.01	25.16	22.49	26.16	24.83	20.98	24.90	23.09	21.00	25.48	24.27
		100	0	23.02	26.00	25.22	22.56	26.19	24.85	20.98	24.85	23.10	21.00	25.56	24.25
	256QAM	1	0	20.17	23.69	**24.41**	19.36	**24.47**	22.99	17.84	22.98	21.73	17.03	23.57	22.28
		1	1	20.32	23.97	24.22	19.41	24.36	22.87	17.82	**23.18**	21.42	17.06	**23.74**	22.25
		1	104	23.81	24.11	23.43	23.15	24.42	23.05	21.84	22.96	20.70	21.60	23.56	22.41
		1	105	23.72	23.85	23.92	23.07	24.23	23.12	21.61	22.78	21.15	21.65	23.67	22.39
		50	25	21.49	23.78	23.79	20.99	24.18	22.83	19.48	22.82	21.64	19.42	23.50	22.18
		100	0	21.50	23.92	23.97	20.91	24.24	22.74	19.50	22.94	21.62	19.42	23.46	22.24

OUTPUT POWER FOR 5G NR n41 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				504200	518600	533000	504200	518600	533000	504200	518600	533000	504200	518600	533000
				2521.0	2593.0	2665.0	2521.0	2593.0	2665.0	2521.0	2593.0	2665.0	2521.0	2593.0	2665.0
50.0	BPSK	1	0	22.53	25.03	25.30	21.95	25.39	23.98	20.44	24.11	22.67	19.55	24.55	23.22
		1	1	22.52	28.66	27.79	22.05	28.44	27.54	20.47	**27.65**	26.30	19.66	27.80	26.87
		1	131	28.00	**28.70**	27.91	27.65	**28.68**	27.59	26.28	27.58	24.73	26.14	**27.96**	26.90
		1	132	24.84	25.13	25.33	23.98	25.35	24.09	22.73	24.01	22.90	22.61	24.54	23.30
		64	32	24.62	28.43	27.88	23.97	28.58	27.55	22.71	27.48	25.77	22.53	27.91	26.74
		128	0	24.60	28.27	27.55	24.04	28.40	27.03	22.63	27.01	25.33	22.35	27.68	26.30
	QPSK	1	0	22.05	25.28	25.47	21.47	25.36	24.04	19.97	24.08	22.87	19.12	24.73	23.21
		1	1	22.01	**28.61**	28.00	21.51	**28.70**	27.60	20.00	**27.70**	25.79	19.17	27.99	26.84
		1	131	27.92	28.21	26.99	27.55	28.52	27.41	26.29	26.78	23.94	26.15	**28.00**	27.00
		1	132	24.69	25.17	25.46	24.08	25.43	24.04	22.82	23.99	22.94	22.53	24.65	23.33
		64	32	23.57	27.67	27.11	23.01	28.32	27.58	21.71	27.13	25.08	21.54	27.88	26.77
		128	0	23.49	27.28	26.51	22.98	27.32	26.29	21.63	26.45	24.26	21.34	27.00	25.72
	16QAM	1	0	22.45	25.48	25.34	21.73	25.48	24.12	20.27	24.28	22.95	19.30	24.73	23.62
		1	1	22.02	**27.95**	27.81	21.63	**27.86**	26.54	20.07	**26.79**	25.23	19.20	**27.44**	26.08
		1	131	27.67	27.59	26.65	25.95	27.22	26.65	25.42	26.39	23.42	25.32	27.01	26.29
		1	132	24.87	25.44	25.75	24.21	25.58	24.35	22.90	24.21	22.72	22.82	24.90	23.61
		64	32	22.98	27.02	26.40	22.47	27.49	26.52	21.11	26.45	24.36	21.05	27.20	25.72
		128	0	22.99	26.48	25.84	22.49	26.64	25.50	21.15	25.44	23.60	20.86	26.13	24.72
	64QAM	1	0	21.68	25.29	25.40	21.24	25.51	23.92	19.75	23.97	22.88	18.59	24.82	23.59
		1	1	22.01	26.24	**26.54**	21.10	**26.58**	24.97	19.49	25.05	24.20	18.82	**26.04**	24.46
		1	131	26.03	26.23	25.91	25.06	26.33	25.28	23.94	**25.22**	22.54	23.50	25.97	24.71
		1	132	25.10	25.41	25.50	24.06	25.61	24.28	23.04	24.25	22.66	22.91	24.92	23.36
		64	32	23.01	25.95	25.37	22.47	26.27	24.86	21.15	24.90	23.36	21.01	25.57	24.18
		128	0	23.05	26.10	25.54	22.49	26.07	24.93	21.16	24.88	23.38	20.84	25.56	24.16
	256QAM	1	0	19.95	24.22	**24.48**	19.36	24.39	22.77	17.90	23.01	21.83	16.93	**23.76**	22.11
		1	1	20.24	24.10	24.39	19.25	24.26	22.87	17.72	**23.15**	21.82	17.15	23.55	22.16
		1	131	23.66	23.94	24.25	22.76	24.15	22.82	21.65	22.97	21.46	21.49	23.69	22.34
		1	132	23.74	24.02	24.14	22.83	24.34	22.96	21.58	22.81	21.17	21.82	23.57	22.34
		64	32	21.55	23.96	24.14	20.97	**24.41**	22.99	19.60	22.96	21.72	19.53	23.57	22.32
		128	0	21.49	23.93	24.27	20.93	24.37	23.02	19.63	22.91	21.77	19.36	23.53	22.32

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OUTPUT POWER FOR 5G NR n41 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				505200	518600	532000	505200	518600	532000	505200	518600	532000	505200	518600	532000
				2526.0	2593.0	2660.0	2526.0	2593.0	2660.0	2526.0	2593.0	2660.0	2526.0	2593.0	2660.0
60.0	BPSK	1	0	22.42	25.00	25.33	21.85	25.40	22.59	20.55	24.01	22.74	19.50	24.77	23.63
		1	1	22.47	28.54	27.77	21.98	28.65	22.43	20.51	**27.70**	26.30	19.64	27.85	26.75
		1	160	27.88	**28.70**	27.79	27.46	**28.70**	27.60	26.24	27.51	24.85	26.07	27.93	27.00
		1	161	24.52	25.02	25.41	23.85	25.28	24.38	22.66	23.98	22.72	22.53	24.60	23.77
		81	40	24.57	28.37	27.97	23.98	28.67	24.59	22.76	27.56	26.08	22.60	**27.99**	26.88
		162	0	24.60	28.24	27.71	23.97	28.07	24.55	22.75	27.05	25.55	22.55	27.81	26.68
	QPSK	1	0	21.97	25.07	25.37	21.56	25.35	21.89	19.91	24.10	22.63	19.10	24.74	23.65
		1	1	21.97	**28.63**	27.81	21.44	27.81	21.95	20.04	**27.69**	25.81	19.15	27.98	26.95
		1	160	28.00	28.04	27.15	27.65	27.74	27.37	26.29	26.97	24.10	26.15	27.91	26.78
		1	161	24.65	25.11	25.28	23.91	25.43	24.58	22.78	24.05	22.74	22.55	24.66	23.78
		81	40	23.55	27.78	27.33	23.00	**28.02**	23.57	21.75	27.30	25.40	21.59	**28.00**	26.69
		162	0	23.54	27.37	26.74	23.00	26.63	23.59	21.77	26.57	24.54	21.58	27.08	25.63
	16QAM	1	0	22.22	25.46	25.61	21.91	25.60	22.29	20.08	24.28	22.91	19.15	25.09	23.79
		1	1	21.99	27.84	**28.00**	21.74	27.02	22.27	20.14	**26.94**	25.29	19.48	**27.63**	25.93
		1	160	27.45	27.79	26.68	26.73	26.84	26.55	25.55	26.29	23.77	25.22	26.97	25.75
		1	161	25.14	25.21	25.67	24.25	25.72	24.72	22.99	24.23	22.88	22.74	25.04	24.04
		81	40	22.98	27.33	26.63	22.47	**27.51**	23.10	21.21	26.46	24.67	21.10	27.23	26.02
		162	0	22.99	26.55	26.03	22.49	25.98	23.07	21.17	25.50	23.81	21.08	26.27	24.92
	64QAM	1	0	21.61	25.23	25.09	21.42	25.50	21.82	19.35	24.41	22.97	18.69	24.93	23.89
		1	1	21.72	26.51	**26.54**	21.10	25.65	21.37	19.83	25.35	23.71	18.92	**25.94**	24.60
		1	160	26.00	26.18	25.51	25.17	25.80	25.08	23.97	**25.37**	22.40	23.80	25.52	24.48
		1	161	24.81	25.22	25.78	24.27	25.58	24.30	22.69	24.15	22.71	22.56	24.76	23.68
		81	40	23.01	26.04	25.59	22.48	**26.16**	23.10	21.12	25.02	23.62	21.10	25.68	24.59
		162	0	23.00	26.06	25.76	22.44	25.61	23.07	21.13	24.95	23.54	21.01	25.73	24.42
	256QAM	1	0	19.76	23.68	24.27	19.32	24.12	19.90	17.91	**23.15**	21.74	17.21	**23.72**	22.41
		1	1	19.85	24.04	24.43	19.20	24.30	19.99	17.79	22.99	21.55	16.95	23.66	22.44
		1	160	23.61	23.97	24.37	22.99	23.97	23.39	21.35	23.00	21.45	21.45	23.40	22.56
		1	161	23.11	24.04	24.17	22.95	23.86	23.47	21.56	22.88	21.43	21.49	23.50	22.40
		81	40	21.43	23.91	24.21	20.85	24.30	21.48	19.67	22.96	21.71	19.55	23.61	22.62
		162	0	21.50	24.00	**24.44**	20.91	**24.34**	21.51	19.73	22.98	21.71	19.50	23.67	22.69

OUTPUT POWER FOR 5G NR n41 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				506200	518600	531000	506200	518600	531000	506200	518600	531000	506200	518600	531000
				2531.0	2593.0	2655.0	2531.0	2593.0	2655.0	2531.0	2593.0	2655.0	2531.0	2593.0	2655.0
70.0	BPSK	1	0	23.19	23.03	25.18	22.37	23.57	24.19	20.70	22.29	22.79	19.38	22.68	23.43
		1	1	23.10	22.87	27.71	22.37	23.51	27.35	20.79	22.24	26.30	19.76	22.67	26.83
		1	187	27.82	28.55	27.87	27.62	28.61	27.33	26.28	27.61	24.86	26.13	**28.00**	26.96
		1	188	25.18	25.16	25.17	24.40	25.36	24.10	22.88	24.19	22.60	22.53	24.46	23.29
		90	45	25.14	**28.63**	27.83	24.42	**28.70**	27.60	22.97	**27.70**	26.24	22.64	**28.00**	26.89
		180	0	25.15	28.27	27.78	24.42	28.56	27.29	22.85	27.24	25.63	22.55	27.55	26.38
	QPSK	1	0	22.49	22.70	25.22	21.92	23.15	24.36	20.08	21.81	22.65	18.89	22.15	23.27
		1	1	22.81	22.59	27.84	21.97	22.98	27.51	20.20	21.83	25.64	19.04	22.21	27.00
		1	187	27.76	**28.70**	27.13	27.65	**28.67**	27.15	26.29	27.36	24.05	26.15	**27.92**	26.57
		1	188	25.12	25.09	25.13	24.29	25.41	24.32	22.86	24.11	22.77	22.65	24.55	23.38
		90	45	24.16	28.25	27.44	23.42	28.35	27.16	21.84	**27.62**	25.49	21.57	**27.92**	26.74
		180	0	24.13	27.71	26.84	23.40	27.54	26.01	21.84	26.73	24.65	21.55	27.07	25.77
	16QAM	1	0	23.01	22.73	25.44	21.68	23.06	24.61	20.36	21.96	22.88	19.01	22.23	23.52
		1	1	23.24	22.46	**28.00**	21.65	23.19	26.76	20.25	21.94	25.06	19.06	22.44	26.06
		1	187	**28.00**	27.80	26.27	25.84	27.38	26.21	25.57	**26.75**	23.83	25.06	**27.24**	25.68
		1	188	25.52	24.90	25.10	24.14	25.71	24.60	22.87	24.27	22.77	22.50	24.60	23.83
		90	45	23.58	27.53	26.73	22.85	**27.59**	26.69	21.37	26.62	24.78	21.14	26.99	25.81
		180	0	23.58	26.54	26.11	22.86	26.81	25.24	21.48	25.65	23.93	21.06	26.00	24.82
	64QAM	1	0	22.28	22.20	25.49	21.65	22.77	24.38	19.77	21.29	22.66	18.77	21.84	23.22
		1	1	22.41	22.22	25.95	21.57	22.93	25.46	19.59	21.36	23.83	18.40	21.64	24.38
		1	187	**26.42**	26.12	25.45	25.02	26.01	24.74	24.02	**25.28**	22.80	23.78	**25.56**	24.75
		1	188	25.37	25.20	25.29	24.43	25.38	24.63	22.85	24.12	22.74	22.73	24.57	23.48
		90	45	23.49	26.01	25.69	22.76	26.20	25.09	21.42	25.01	23.64	21.07	25.46	24.35
		180	0	23.61	26.06	25.90	22.94	**26.32**	24.78	21.48	25.06	23.70	21.05	**25.56**	24.34
	256QAM	1	0	20.70	20.50	23.75	19.83	20.97	23.29	18.17	19.83	21.63	16.93	19.96	22.33
		1	1	20.82	20.43	24.19	19.88	20.86	23.20	18.16	19.43	21.47	17.02	20.30	22.17
		1	187	24.01	23.86	23.92	23.25	**24.59**	23.28	21.80	22.83	21.58	21.64	23.23	22.34
		1	188	24.15	23.78	**24.25**	23.32	24.35	23.20	21.59	22.90	21.44	21.38	23.27	22.25
		90	45	22.23	23.78	24.22	21.34	24.42	23.31	19.98	**22.95**	21.74	19.63	**23.44**	22.31
		180	0	22.15	23.88	24.16	21.38	24.45	23.28	19.91	22.93	21.70	19.55	23.42	22.40

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OUTPUT POWER FOR 5G NR n41 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				507200	518600	530000	507200	518600	530000	507200	518600	530000	507200	518600	530000
				2536.0	2593.0	2650.0	2536.0	2593.0	2650.0	2536.0	2593.0	2650.0	2536.0	2593.0	2650.0
80.0	BPSK	1	0	23.00	23.05	25.03	22.64	23.45	24.15	20.71	22.16	22.51	19.89	22.91	23.69
		1	1	22.90	22.96	27.67	22.48	23.60	27.43	20.64	22.34	26.22	20.00	22.71	26.92
		1	215	27.80	28.51	27.90	27.65	**28.70**	27.35	26.27	27.68	24.81	26.11	27.89	27.00
		1	216	25.05	25.09	25.19	24.43	25.51	24.40	22.57	24.22	22.73	22.72	24.68	23.70
		108	54	25.06	**28.70**	27.93	24.64	28.67	27.60	22.98	**27.70**	26.30	23.01	**27.93**	26.88
		216	0	25.11	28.13	27.99	24.60	28.53	26.96	22.90	27.27	25.73	22.95	27.79	26.72
	QPSK	1	0	22.43	22.45	25.17	21.94	23.13	24.18	20.18	21.72	22.56	19.55	22.32	23.61
		1	1	22.64	22.49	27.81	22.00	23.06	27.07	20.12	21.78	25.76	19.60	22.33	26.84
		1	215	27.79	**28.54**	27.08	27.42	28.44	26.40	26.29	27.37	24.18	26.15	27.87	26.48
		1	216	25.12	25.10	25.52	24.63	25.37	24.34	22.87	24.16	22.74	22.76	24.66	23.73
		108	54	24.04	28.37	27.75	23.62	**28.47**	26.90	21.92	**27.64**	25.56	21.97	**28.00**	26.62
		216	0	24.07	27.65	27.17	23.64	27.52	25.74	21.87	26.70	24.67	21.96	27.01	25.58
	16QAM	1	0	22.90	22.82	25.60	22.34	23.37	24.44	20.45	22.05	23.08	19.22	22.75	23.81
		1	1	22.62	22.80	**28.00**	22.32	23.21	26.21	20.39	22.03	25.34	19.17	22.45	26.07
		1	215	**28.00**	27.95	26.45	26.60	27.02	25.81	25.54	**26.91**	23.57	25.22	**27.29**	25.57
		1	216	25.10	25.15	25.66	24.77	25.72	24.89	22.91	24.32	22.80	22.65	24.71	23.92
		108	54	23.60	27.59	27.02	23.15	**27.90**	26.15	21.34	26.78	24.93	21.56	27.25	26.11
		216	0	23.55	26.60	26.43	23.12	26.73	24.91	21.34	25.78	23.96	21.42	26.25	25.07
	64QAM	1	0	22.64	22.15	25.19	21.87	22.76	24.37	19.96	21.34	22.79	18.90	21.88	23.95
		1	1	22.05	22.31	**26.63**	21.42	22.81	25.22	19.63	21.56	23.73	19.31	21.78	24.64
		1	215	26.21	26.16	25.46	25.13	26.11	24.49	23.78	24.93	22.28	24.12	25.55	24.17
		1	216	25.67	25.33	25.07	24.35	25.54	24.47	22.89	24.59	22.83	23.08	24.90	23.94
		108	54	23.47	26.08	25.91	23.15	**26.38**	24.75	21.46	**25.20**	23.72	21.52	**25.66**	24.57
		216	0	23.49	25.99	26.08	23.12	26.27	24.67	21.37	25.15	23.73	21.39	25.63	24.62
	256QAM	1	0	20.60	20.42	24.32	19.95	21.34	23.01	18.14	19.93	21.57	17.42	20.16	22.63
		1	1	20.65	20.50	24.07	20.04	21.03	23.21	18.08	20.09	21.62	17.58	20.13	22.68
		1	215	23.76	24.07	23.97	23.44	24.46	23.02	21.71	23.21	21.09	21.76	**23.86**	22.66
		1	216	24.17	24.02	23.67	23.52	23.97	23.08	21.66	**23.31**	21.27	21.63	23.71	22.87
		108	54	22.01	23.83	**24.34**	21.53	24.46	23.28	19.87	23.02	21.63	19.99	23.62	22.53
		216	0	21.98	23.89	24.31	21.56	**24.48**	23.21	19.86	23.08	21.62	19.90	23.61	22.51

OUTPUT POWER FOR 5G NR n41 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				508200	518600	529000	508200	518600	529000	508200	518600	529000	508200	518600	529000
				2541.0	2593.0	2645.0	2541.0	2593.0	2645.0	2541.0	2593.0	2645.0	2541.0	2593.0	2645.0
90.0	BPSK	1	0	23.00	22.99	25.34	22.36	23.44	24.15	20.56	22.20	22.52	19.89	22.79	23.64
		1	1	23.03	22.95	27.81	22.56	23.46	27.39	20.53	22.27	26.14	19.90	22.75	26.90
		1	243	27.77	28.57	27.84	27.65	**28.70**	27.46	26.09	**27.70**	24.79	26.15	27.92	27.00
		1	244	25.37	25.06	25.56	24.47	25.25	24.62	22.62	24.28	22.75	22.84	24.57	23.90
		120	60	25.26	**28.70**	27.96	24.58	28.55	27.60	22.85	27.63	26.30	22.93	**27.99**	26.96
		243	0	25.24	28.09	28.00	24.66	28.39	27.20	22.79	27.19	25.65	22.87	27.78	26.74
	QPSK	1	0	22.54	22.38	25.21	22.11	23.13	24.16	20.03	21.66	22.67	19.39	22.32	23.83
		1	1	22.60	22.35	27.86	22.05	23.09	27.04	20.02	21.77	25.47	19.38	22.29	26.92
		1	243	27.96	28.34	27.08	27.07	**28.33**	26.56	26.29	27.30	23.98	26.06	**28.00**	26.27
		1	244	25.41	24.96	25.37	24.25	25.38	24.40	22.65	23.98	22.81	22.75	24.71	23.83
		120	60	24.21	**28.36**	27.93	23.60	28.21	26.78	21.80	**27.58**	25.53	21.90	27.97	26.70
		243	0	24.22	27.57	27.16	23.58	27.02	25.98	21.75	26.58	24.61	21.88	26.95	25.84
	16QAM	1	0	23.08	22.82	25.79	22.12	23.28	24.68	20.34	22.08	22.64	19.53	22.61	23.96
		1	1	23.19	22.33	27.88	22.12	23.42	26.55	20.42	22.07	24.92	19.50	22.66	26.25
		1	243	**28.00**	27.86	26.47	26.35	26.76	25.82	25.36	**26.72**	23.46	24.76	26.80	25.53
		1	244	25.62	25.20	25.66	24.62	25.52	24.66	22.86	24.28	22.63	23.13	25.11	24.08
		120	60	23.68	27.61	27.20	23.06	**27.58**	26.20	21.30	26.60	24.89	21.41	**27.26**	26.03
		243	0	23.64	26.59	26.41	23.13	26.53	25.24	21.28	25.65	23.96	21.40	26.22	25.14
	64QAM	1	0	22.29	21.92	25.16	21.83	22.71	24.35	19.62	21.38	22.93	18.96	22.11	23.68
		1	1	22.28	21.75	26.14	21.59	22.61	25.20	19.55	21.30	23.84	19.14	21.80	24.62
		1	243	**26.64**	26.25	25.49	25.07	25.59	24.79	23.96	**25.23**	22.82	23.60	25.41	24.49
		1	244	25.50	25.23	25.50	24.91	25.77	24.55	22.62	24.41	22.42	22.83	25.00	24.14
		120	60	23.71	26.07	26.19	23.12	**26.28**	24.88	21.25	25.04	23.79	21.44	25.73	24.65
		243	0	23.69	26.06	26.17	23.07	26.12	24.71	21.24	25.07	23.74	21.34	**25.74**	24.60
	256QAM	1	0	20.38	20.08	23.92	20.02	21.01	23.29	18.05	20.08	21.54	17.03	20.21	22.94
		1	1	20.87	20.25	24.20	19.80	20.95	23.15	17.95	19.68	21.38	17.43	20.05	22.77
		1	243	**24.45**	24.13	24.32	23.52	23.93	23.14	21.48	22.90	21.08	21.46	23.72	22.76
		1	244	24.37	24.04	23.76	23.45	23.89	22.99	21.67	**23.14**	21.21	21.50	**23.79**	22.61
		120	60	22.19	23.91	24.39	21.56	24.31	23.25	19.81	22.93	21.69	19.87	23.68	22.74
		243	0	22.13	23.86	24.29	21.55	**24.32**	23.17	19.77	23.05	21.64	19.83	23.65	22.74

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OUTPUT POWER FOR 5G NR n41 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				509200	528600	528000	509200	528600	528000	509200	528600	528000	509200	528600	528000
				2546.0	2593.0	2640.0	2546.0	2593.0	2640.0	2546.0	2593.0	2640.0	2546.0	2593.0	2640.0
100.0	BPSK	1	0	23.58	23.05	23.37	22.57	23.71	22.32	20.76	22.13	20.68	19.92	22.76	21.64
		1	1	23.36	22.97	23.34	22.51	23.52	22.28	20.67	22.23	20.69	19.91	22.92	21.57
		1	271	27.97	**28.70**	28.00	27.65	28.50	27.44	26.29	**27.70**	25.30	26.14	27.90	26.93
		1	272	25.43	25.18	25.45	24.36	25.44	24.49	22.56	24.16	22.87	22.92	24.74	23.92
		135	67	25.38	28.67	27.95	24.56	**28.70**	27.60	22.83	27.46	26.30	22.98	**28.00**	27.00
		270	0	25.37	28.15	27.91	24.52	28.55	26.86	22.75	27.10	25.68	22.92	27.80	26.73
	QPSK	1	0	22.64	22.55	23.02	22.08	23.28	21.68	20.25	21.78	20.26	19.48	22.39	21.29
		1	1	22.92	22.54	22.77	21.97	23.26	21.80	20.20	21.81	20.18	19.60	22.39	21.22
		1	271	27.88	27.90	27.29	26.75	28.49	26.48	25.89	27.02	24.31	26.15	27.91	26.51
		1	272	25.39	25.04	25.58	24.20	25.60	24.27	22.66	24.19	23.00	22.87	24.63	24.04
		135	67	24.30	**28.21**	27.95	23.54	**28.50**	26.87	21.88	**27.42**	25.59	21.96	**27.97**	26.83
		270	0	24.29	27.64	27.05	23.57	27.30	26.02	21.77	26.59	24.71	21.91	26.74	25.71
	16QAM	1	0	22.86	22.87	22.92	22.24	23.31	21.98	20.32	21.84	20.31	19.85	22.33	21.31
		1	1	22.81	22.80	22.89	22.43	23.27	21.85	20.44	21.92	20.00	19.77	22.56	21.22
		1	271	**28.00**	27.26	26.53	26.56	27.37	26.13	25.22	26.44	23.96	25.32	26.67	25.70
		1	272	25.81	25.33	25.64	24.41	25.71	24.64	23.02	24.48	23.04	23.13	25.33	23.79
		135	67	23.81	27.44	27.25	23.00	**27.87**	26.35	21.33	**26.49**	24.88	21.44	**27.22**	26.34
		270	0	23.80	26.50	26.31	23.04	26.56	25.32	21.21	25.52	23.99	21.39	26.12	25.21
	64QAM	1	0	22.70	22.32	22.49	21.44	22.72	21.30	19.98	21.67	19.68	19.14	21.78	20.90
		1	1	22.63	22.17	22.75	21.59	23.02	21.58	19.96	21.40	19.91	19.16	22.03	20.73
		1	271	**26.50**	26.11	24.69	25.08	26.02	24.86	23.56	**25.21**	22.98	23.77	**25.68**	25.01
		1	272	25.50	25.14	25.24	24.22	25.65	24.38	22.69	24.07	22.60	23.23	24.95	23.88
		135	67	23.75	26.00	26.02	23.06	**26.53**	24.93	21.33	24.87	23.73	21.45	25.67	24.76
		270	0	23.66	26.03	25.89	23.01	26.16	24.92	21.26	24.99	23.63	21.42	25.67	24.74
	256QAM	1	0	20.69	20.30	20.95	19.87	21.13	19.72	17.99	19.89	18.13	17.43	20.30	19.05
		1	1	20.77	20.48	20.81	20.03	21.01	19.81	18.25	19.61	18.13	17.36	20.10	19.15
		1	271	**24.43**	24.01	23.32	23.46	24.43	23.54	21.66	**23.01**	21.50	21.86	**23.82**	22.65
		1	272	24.22	24.09	23.47	23.19	24.35	23.31	21.58	**23.01**	21.32	22.19	23.67	22.93
		135	67	22.27	23.89	24.40	21.58	24.47	23.29	19.81	22.87	21.77	20.02	23.59	22.71
		270	0	22.20	23.88	24.30	21.54	**24.53**	23.36	19.75	22.88	21.76	19.88	23.62	22.71

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8.12. LTE BAND 48

Test Engineer ID:	25602	Test Date:	4/19/2022

OUTPUT POWER FOR LTE BAND 48 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55265	55990	56715	55260	55990	56715	55265	55990	56715	55260	55990	56715
				3552.5	3625.0	3697.5	3552.5	3625.0	3697.5	3552.5	3625.0	3697.5	3552.5	3625.0	3697.5
5.0	QPSK	1	0	25.20	25.14	25.17	25.19	25.18	25.19	25.86	25.90	25.83	**24.18**	24.16	23.87
		1	12	**25.30**	**25.30**	**25.30**	**25.30**	**25.30**	**25.30**	**26.00**	**26.00**	**25.92**	**24.29**	24.16	24.08
		1	24	25.25	25.22	25.22	25.20	25.24	25.25	25.92	25.97	25.89	24.23	**24.25**	**24.40**
		12	0	24.68	24.62	24.68	24.78	24.80	24.79	25.45	25.50	25.41	24.08	24.09	23.86
		12	6	24.70	24.66	24.71	24.81	24.83	24.82	25.47	25.51	25.42	24.10	24.11	23.87
		12	11	24.67	24.62	24.65	24.77	24.79	24.80	25.44	25.50	25.38	24.07	24.07	23.84
		25	0	24.65	24.61	24.65	24.77	24.77	24.79	25.44	25.50	25.40	24.06	24.08	23.86
	16QAM	1	0	25.01	24.85	24.88	25.04	24.98	25.01	25.76	25.68	25.74	24.28	24.32	24.12
		1	12	**25.06**	**24.94**	**24.92**	**25.12**	**25.12**	**25.11**	**25.91**	**25.90**	**26.00**	**24.40**	**24.40**	**24.22**
		1	24	25.05	24.86	24.91	25.05	25.04	25.06	25.83	25.79	25.85	24.37	24.35	24.15
		12	0	24.02	24.04	24.06	23.83	23.81	23.94	24.62	24.87	24.59	23.04	23.03	22.97
		12	6	24.04	24.06	24.06	23.86	23.82	23.97	24.67	24.93	24.64	23.10	23.06	22.96
		12	11	24.01	24.05	24.04	23.82	23.79	23.94	24.63	24.91	24.63	23.08	23.02	22.95
		25	0	23.99	23.99	23.98	23.89	23.84	23.88	24.58	24.72	24.60	23.06	23.07	22.89
	64QAM	1	0	24.21	24.21	24.17	24.04	24.00	24.04	24.83	24.85	24.86	23.32	23.17	**23.40**
		1	12	**24.26**	24.21	24.22	**24.12**	**24.09**	**24.13**	**24.89**	24.90	**24.88**	**23.36**	**23.34**	23.26
		1	24	24.22	**24.25**	**24.26**	24.10	24.05	24.09	**24.89**	**24.92**	24.87	23.28	23.33	23.20
		12	0	22.31	22.25	22.29	22.44	22.34	22.42	23.03	23.06	23.04	21.46	21.62	21.44
		12	6	22.36	22.30	22.31	22.45	22.37	22.43	23.06	23.08	23.05	21.49	21.66	21.48
		12	11	22.28	22.25	22.28	22.38	22.34	22.41	23.04	23.06	23.02	21.43	21.64	21.47
		25	0	22.27	22.25	22.24	22.43	22.38	22.42	23.05	23.08	23.00	21.55	21.60	21.45
	256QAM	1	0	20.37	20.32	20.29	**20.12**	20.53	20.67	20.92	20.86	20.74	19.57	19.68	**19.53**
		1	12	**20.41**	20.39	**20.40**	20.07	20.54	**20.77**	20.95	**21.02**	20.78	19.58	19.71	19.50
		1	24	20.37	**20.41**	20.35	20.11	**20.61**	20.72	**20.96**	20.96	**20.79**	**19.63**	**19.72**	19.50
		12	0	20.28	20.25	20.25	20.04	20.50	20.55	20.78	20.83	20.73	19.48	19.64	19.45
		12	6	20.30	20.28	20.26	20.06	20.54	20.59	20.84	20.87	20.76	19.51	19.67	19.51
		12	11	20.24	20.25	20.22	20.03	20.54	20.57	20.79	20.84	20.73	19.49	19.64	19.46
		25	0	20.25	20.24	20.20	19.87	20.30	20.56	20.80	20.82	20.71	19.32	19.49	19.32

OUTPUT POWER FOR LTE BAND 48 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55290	55990	56690	55290	55990	56690	55290	55990	56690	55290	55990	56690
				3555.0	3625.0	3695.0	3555.0	3625.0	3695.0	3555.0	3625.0	3695.0	3555.0	3625.0	3695.0
10.0	QPSK	1	0	25.27	25.29	**25.30**	25.27	25.24	25.26	25.99	25.94	25.97	**24.40**	24.36	24.37
		1	24	**25.30**	**25.30**	**25.30**	**25.30**	**25.30**	**25.30**	**26.00**	25.99	**26.00**	**24.40**	**24.40**	**24.40**
		1	49	25.26	25.26	25.27	25.28	25.26	25.29	25.97	**26.00**	25.98	24.35	24.36	24.33
		25	0	24.76	24.79	24.80	24.82	24.88	24.88	25.57	25.61	25.63	23.89	23.90	23.86
		25	12	24.78	24.80	24.84	24.84	24.92	24.90	25.61	25.64	25.64	23.92	23.92	23.90
		25	24	24.78	24.81	24.83	24.84	24.92	24.91	25.59	25.64	25.66	23.91	23.92	23.88
		50	0	24.76	24.81	24.80	24.82	24.90	24.89	25.58	25.61	25.63	23.89	23.90	23.86
	16QAM	1	0	**25.06**	25.04	**25.03**	**25.12**	25.08	**25.08**	25.84	25.75	**25.92**	**24.22**	24.20	**24.22**
		1	24	**25.06**	25.00	25.01	25.11	25.15	25.05	**25.91**	25.79	25.83	24.19	24.20	24.17
		1	49	25.04	**25.07**	25.01	**25.12**	**25.17**	**25.08**	25.85	**25.90**	25.91	24.19	**24.22**	24.16
		25	0	24.06	24.06	24.07	23.92	23.91	23.97	24.65	24.66	24.67	22.82	22.83	22.84
		25	12	24.06	24.08	24.12	23.91	23.97	23.98	24.67	24.68	24.68	22.83	22.86	22.84
		25	24	24.07	24.09	24.11	23.93	23.97	24.00	24.66	24.70	24.70	22.83	22.86	22.85
		50	0	24.04	24.09	24.10	23.92	23.93	23.98	24.64	24.67	24.67	22.80	22.82	22.79
	64QAM	1	0	**24.26**	24.20	24.34	**24.12**	24.09	24.11	**24.82**	24.88	**24.95**	**22.98**	22.81	**23.40**
		1	24	24.22	**24.24**	**24.38**	24.08	**24.18**	24.19	24.74	24.90	24.91	22.95	**23.04**	23.03
		1	49	24.22	**24.24**	24.34	24.08	24.08	**24.21**	24.77	**24.93**	24.93	22.94	23.02	22.99
		25	0	22.34	22.38	22.40	22.41	22.42	22.47	23.02	23.03	23.05	21.46	21.48	21.44
		25	12	22.36	22.41	22.42	22.43	22.45	22.50	23.04	23.08	23.08	21.49	21.49	21.48
		25	24	22.36	22.41	22.43	22.45	22.45	22.50	23.03	23.08	23.08	21.47	21.50	21.44
		50	0	22.35	22.38	22.42	22.41	22.44	22.44	23.02	23.06	23.04	21.45	21.50	21.44
	256QAM	1	0	20.36	20.24	20.29	20.03	20.59	20.78	20.95	20.84	**20.98**	19.42	19.56	19.38
		1	24	**20.41**	20.24	**20.31**	**20.12**	**20.65**	**20.80**	20.95	**21.02**	20.97	19.38	19.58	19.38
		1	49	20.24	20.18	20.26	20.09	20.64	20.73	**20.97**	20.95	20.94	**19.44**	**19.61**	**19.48**
		25	0	20.20	20.21	20.23	20.07	20.49	20.63	20.89	20.90	20.90	19.42	19.50	19.45
		25	12	20.22	**20.25**	20.26	20.06	20.52	20.66	20.91	20.93	20.95	19.42	19.52	19.44
		25	24	20.22	**20.25**	20.27	20.07	20.55	20.65	20.89	20.94	20.94	19.41	19.52	19.42
		50	0	20.18	20.23	20.24	19.92	20.37	20.63	20.90	20.91	20.93	19.23	19.33	19.26

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OUTPUT POWER FOR LTE BAND 48 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55315	55990	56665	55315	55990	56665	55315	55990	56665	55315	55990	56665
				3557.5	3625.0	3692.5	3557.5	3625.0	3692.5	3557.5	3625.0	3692.5	3557.5	3625.0	3692.5
15.0	QPSK	1	0	**25.30**	25.28	25.21	25.29	25.23	25.28	25.95	25.94	25.96	24.39	23.94	24.11
		1	37	25.29	**25.30**	**25.30**	**25.30**	**25.30**	**25.30**	**26.00**	**26.00**	**26.00**	**24.40**	24.32	24.28
		1	74	25.28	**25.30**	25.23	25.27	25.29	25.23	25.98	**26.00**	25.96	24.37	**24.40**	**24.40**
		36	0	24.69	24.68	24.64	24.78	24.75	24.72	25.53	25.53	25.46	23.98	23.77	23.79
		36	16	24.70	24.72	24.66	24.78	24.79	24.73	25.54	25.56	25.48	23.98	23.89	23.86
		36	35	24.70	24.74	24.67	24.77	24.81	24.75	25.52	25.58	25.51	23.99	23.96	23.94
		75	0	24.69	24.69	24.65	24.76	24.77	24.72	25.52	25.54	25.49	23.97	23.85	23.86
	16QAM	1	0	25.00	24.87	24.97	25.07	24.97	**25.02**	25.79	25.83	25.64	24.30	23.75	24.00
		1	37	25.02	**24.93**	**25.04**	**25.12**	25.02	**25.02**	**25.94**	25.78	**25.82**	24.36	**24.22**	**24.22**
		1	74	**25.06**	24.88	24.88	25.11	**25.03**	24.92	25.89	**25.90**	25.71	**24.37**	24.15	24.21
		36	0	24.08	24.05	24.04	23.85	23.82	23.79	24.60	24.66	24.60	23.17	22.95	22.98
		36	16	24.10	24.10	24.04	23.84	23.84	23.80	24.62	24.66	24.60	23.17	23.10	23.07
		36	35	24.09	24.10	24.05	23.84	23.90	23.82	24.64	24.68	24.62	23.22	23.17	23.14
		75	0	24.07	24.08	24.03	23.82	23.83	23.79	24.61	24.66	24.58	23.16	23.05	23.05
	64QAM	1	0	24.20	24.22	24.28	24.08	24.00	23.99	**24.73**	24.72	24.74	23.31	23.01	23.27
		1	37	**24.25**	**24.34**	24.29	24.02	**24.07**	24.04	**24.73**	24.83	24.85	**23.48**	**23.21**	23.37
		1	74	24.12	24.28	**24.34**	**24.12**	23.93	**24.10**	24.66	**24.93**	**24.91**	23.39	23.20	**23.60**
		36	0	22.33	22.34	22.29	22.42	22.44	22.43	23.03	23.05	22.98	21.65	21.34	21.50
		36	16	22.32	22.33	22.31	22.43	22.47	22.43	23.05	23.05	23.01	21.66	21.37	21.58
		36	35	22.36	22.38	22.32	22.44	22.51	22.44	23.05	23.08	23.01	21.68	21.37	21.68
		75	0	22.33	22.35	22.31	22.45	22.45	22.42	23.04	23.08	23.00	21.66	21.34	21.59
	256QAM	1	0	**20.40**	20.26	20.23	20.20	20.40	20.69	20.87	20.78	20.88	19.58	19.20	19.30
		1	37	20.37	20.37	20.21	20.19	20.57	**20.78**	20.93	20.76	20.84	19.52	19.25	19.53
		1	74	20.27	**20.49**	**20.29**	**20.27**	20.63	20.77	**21.03**	**21.02**	**20.96**	**19.72**	**19.53**	**19.66**
		36	0	20.21	20.25	20.19	20.20	20.57	20.56	20.80	20.80	20.74	19.51	19.21	19.35
		36	16	20.22	20.29	20.19	20.20	20.60	20.57	20.81	20.83	20.76	19.52	19.22	19.42
		36	35	20.23	20.29	20.21	20.17	**20.64**	20.58	20.81	20.87	20.77	19.55	19.23	19.43
		75	0	20.22	20.26	20.22	20.04	20.59	20.56	20.82	20.83	20.77	19.51	19.21	19.43

OUTPUT POWER FOR LTE BAND 48 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				55340	55990	56640	55340	55990	56640	55340	55990	56640	55340	55990	56640
				3560.0	3625.0	3690.0	3560.0	3625.0	3690.0	3560.0	3625.0	3690.0	3560.0	3625.0	3690.0
20.0	QPSK	1	0	**25.30**	**25.30**	25.18	**25.30**	25.21	25.28	25.93	25.91	25.96	24.32	23.93	24.09
		1	49	25.22	25.25	**25.30**	25.26	25.26	**25.30**	**26.00**	25.98	**26.00**	**24.40**	24.22	24.21
		1	99	25.22	25.24	25.28	25.25	**25.30**	25.20	25.95	**26.00**	25.99	24.17	**24.40**	**24.40**
		50	0	24.67	24.71	24.67	24.69	24.69	24.65	25.35	25.25	25.33	23.66	23.36	23.43
		50	24	24.69	24.72	24.71	24.70	24.72	24.67	25.37	25.35	25.35	23.69	23.53	23.51
		50	49	24.68	24.75	24.72	24.69	24.76	24.69	25.36	25.38	25.34	23.61	23.65	23.60
		100	0	24.66	24.72	24.68	24.67	24.71	24.65	25.34	25.35	25.33	23.61	23.50	23.50
	16QAM	1	0	24.96	25.02	24.95	25.03	24.99	24.99	25.65	25.65	25.67	23.97	23.50	23.74
		1	49	**25.06**	**25.13**	**25.24**	**25.12**	**25.16**	**25.18**	**25.77**	**25.90**	**25.83**	**24.22**	24.02	23.98
		1	99	24.96	25.04	24.97	24.92	25.02	24.94	25.66	25.71	25.60	23.84	**24.03**	**24.00**
		50	0	23.86	23.88	23.86	23.85	23.81	23.79	24.69	24.57	24.66	23.01	22.73	22.82
		50	24	23.87	23.93	23.89	23.84	23.85	23.79	24.71	24.70	24.69	23.05	22.90	22.91
		50	49	23.88	23.94	23.91	23.84	23.90	23.81	24.72	24.72	24.68	22.99	23.04	23.00
		100	0	23.87	23.92	23.88	23.83	23.86	23.79	24.69	24.68	24.67	22.98	22.89	22.89
	64QAM	1	0	24.02	24.15	24.00	24.00	23.95	23.97	**24.93**	24.77	24.89	23.06	22.82	23.05
		1	49	**24.19**	**24.36**	**24.10**	**24.12**	**24.12**	**23.98**	24.87	**24.93**	**24.91**	**23.20**	23.37	23.27
		1	99	24.00	23.98	24.00	24.00	24.00	23.91	24.78	24.88	24.90	22.96	**23.42**	**23.28**
		50	0	22.31	22.36	22.32	22.42	22.45	22.40	23.14	22.84	22.91	21.32	21.18	21.19
		50	24	22.34	22.39	22.37	22.44	22.48	22.41	23.11	22.95	22.93	21.34	21.39	21.27
		50	49	22.34	22.40	22.37	22.43	22.53	22.41	23.16	22.99	22.95	21.28	21.50	21.36
		100	0	22.36	22.36	22.34	22.45	22.48	22.43	23.08	22.92	22.94	21.30	21.34	21.29
	256QAM	1	0	**20.25**	**20.51**	**20.29**	20.14	20.51	20.60	20.86	20.76	**21.07**	19.12	19.15	**19.17**
		1	49	20.11	20.38	20.17	**20.20**	20.56	**20.66**	20.96	20.94	20.99	19.20	19.45	18.93
		1	99	20.17	20.39	20.25	20.17	20.60	20.56	**21.05**	**21.02**	21.06	19.09	**19.55**	19.03
		50	0	20.18	20.26	20.21	20.16	20.59	20.56	20.86	20.72	20.79	**19.22**	19.06	19.07
		50	24	20.21	20.28	20.24	20.16	20.65	20.58	20.87	20.85	20.82	19.20	19.28	19.15
		50	49	20.21	20.27	20.24	20.12	**20.66**	20.59	20.87	20.88	20.83	19.17	19.22	19.13
		100	0	20.20	20.27	20.23	20.00	20.52	20.57	20.88	20.82	20.82	19.10	19.22	19.13

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8.13. LTE BAND 66 AND 5G NR n66

LTE BAND 66

Test Engineer ID:	25602	Test Date:	4/19/2022

OUTPUT POWER FOR LTE BAND 66 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131979	132322	132665	131979	132322	132665	131979	132322	132665	131979	132322	132665
				1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3
1.4	QPSK	1	0	25.67	25.65	25.53	25.61	25.59	25.50	25.45	25.33	25.33	25.16	24.84	24.82
		1	2	25.69	25.66	25.58	25.65	25.66	25.56	**25.50**	25.38	25.37	**25.20**	24.89	24.87
		1	5	25.67	25.65	25.51	25.63	25.63	25.54	25.43	25.32	25.32	25.11	24.87	24.83
		3	0	25.69	25.65	25.52	25.67	25.65	25.56	25.46	25.32	25.38	25.14	24.90	24.84
		3	1	**25.70**	25.63	25.51	25.67	25.64	25.58	25.43	25.34	25.40	25.14	24.91	24.86
		3	2	**25.70**	25.65	25.52	**25.70**	25.67	25.59	25.43	25.35	25.40	25.15	24.91	24.86
		6	0	25.46	25.42	25.30	25.46	25.44	25.33	25.26	25.16	25.21	24.96	24.71	24.65
	16QAM	1	0	25.51	25.63	25.46	25.50	25.61	25.39	**25.46**	25.18	25.21	25.10	24.65	24.61
		1	2	25.50	**25.66**	25.51	25.45	**25.66**	25.38	25.45	25.18	25.21	**25.16**	24.69	24.65
		1	5	25.51	25.64	25.47	25.48	25.58	25.39	25.39	25.17	25.23	25.10	24.67	24.65
		3	0	25.42	25.44	25.32	25.40	25.43	25.31	25.26	25.12	25.22	24.90	24.64	24.56
		3	1	25.40	25.43	25.36	25.41	25.44	25.36	25.25	25.15	25.23	24.92	24.67	24.57
		3	2	25.45	25.43	25.29	25.42	25.45	25.35	25.24	25.12	25.21	24.92	24.68	24.57
		6	0	24.76	24.76	24.64	24.76	24.72	24.64	24.56	24.40	24.48	24.26	24.01	23.93
	64QAM	1	0	24.53	24.51	24.43	24.47	24.56	24.42	24.20	24.28	24.15	24.03	23.65	23.64
		1	2	24.58	**24.62**	24.54	**24.62**	24.61	24.50	24.24	**24.42**	24.23	**24.12**	23.80	23.74
		1	5	24.54	24.55	24.39	24.61	24.52	24.54	24.24	24.29	24.33	**24.12**	23.75	23.69
		3	0	24.54	24.54	24.42	24.41	24.38	24.31	24.28	24.13	24.20	23.78	23.57	23.57
		3	1	24.55	24.56	24.43	24.44	24.40	24.32	24.24	24.13	24.17	23.78	23.61	23.60
		3	2	24.55	24.55	24.40	24.43	24.43	24.27	24.25	24.11	24.21	23.81	23.60	23.58
		6	0	23.98	23.86	23.86	23.98	23.94	23.88	23.04	23.76	23.78	23.48	23.25	23.29
	256QAM	1	0	20.72	20.69	20.66	20.76	19.92	20.62	19.44	20.58	20.20	**20.31**	19.97	19.97
		1	2	20.76	**20.81**	20.70	**20.81**	19.97	20.67	19.46	20.58	20.23	20.29	20.02	19.99
		1	5	20.67	20.72	20.54	20.71	19.88	20.61	19.39	20.57	20.22	20.29	19.86	19.99
		3	0	20.62	20.63	20.49	20.67	19.78	20.50	19.37	20.51	20.11	20.19	19.81	19.90
		3	1	20.65	20.65	20.53	20.62	19.78	20.54	19.32	20.45	20.14	20.18	19.78	19.88
		3	2	20.65	20.63	20.58	20.68	19.78	20.54	19.35	20.50	20.18	20.18	19.71	19.87
		6	0	20.57	20.50	20.56	20.56	19.86	20.34	19.50	**20.61**	20.24	19.94	19.69	19.81

OUTPUT POWER FOR LTE BAND 66 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131987	132322	132657	131987	132322	132657	131987	132322	132657	131987	132322	132657
				1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5
3.0	QPSK	1	0	25.59	25.52	25.44	25.61	25.48	25.45	25.45	25.25	25.35	25.14	24.81	24.80
		1	7	**25.70**	25.63	25.58	**25.70**	25.59	25.56	**25.50**	25.40	25.47	**25.20**	24.91	24.90
		1	14	25.60	25.56	25.43	25.62	25.55	25.46	25.40	25.31	25.38	25.13	24.81	24.78
		8	0	25.07	25.03	24.94	24.97	24.93	24.84	24.88	24.79	24.88	24.62	24.36	24.34
		8	4	25.10	25.05	24.95	24.99	24.99	24.89	24.92	24.83	24.90	24.64	24.39	24.36
		8	7	25.10	25.05	24.95	24.99	24.98	24.88	24.89	24.84	24.89	24.65	24.39	24.37
		15	0	25.03	25.03	24.91	25.01	24.95	24.87	24.88	24.79	24.87	24.63	24.38	24.32
	16QAM	1	0	25.28	25.38	25.25	25.37	25.41	25.38	25.15	25.11	25.22	24.95	24.77	24.80
		1	7	25.43	**25.46**	25.38	25.42	**25.62**	25.42	25.20	25.25	**25.32**	**25.02**	24.81	24.88
		1	14	25.32	25.35	25.22	25.34	25.44	25.29	25.09	25.13	25.16	24.97	24.78	24.81
		8	0	24.41	24.42	24.26	24.17	24.20	24.08	24.29	24.20	24.34	23.85	23.60	23.59
		8	4	24.45	24.47	24.31	24.20	24.25	24.14	24.32	24.23	24.37	23.89	23.65	23.62
		8	7	24.45	24.45	24.30	24.19	24.22	24.11	24.32	24.21	24.36	23.89	23.64	23.62
		15	0	24.36	24.36	24.23	24.12	24.12	24.02	24.30	24.16	24.25	23.85	23.63	23.53
	64QAM	1	0	24.56	24.51	24.49	**24.57**	24.40	24.30	24.46	24.33	24.42	24.13	23.96	23.75
		1	7	24.61	**24.66**	24.50	24.48	24.48	24.41	24.46	24.40	**24.50**	**24.20**	23.98	23.85
		1	14	24.61	24.56	24.42	24.38	24.48	24.41	24.42	24.35	**24.50**	24.08	23.91	23.89
		8	0	22.69	22.73	22.60	22.76	22.80	22.69	21.76	22.47	22.52	22.22	21.97	21.89
		8	4	22.72	22.75	22.61	22.80	22.85	22.72	21.81	22.52	22.58	22.27	21.99	21.94
		8	7	22.73	22.76	22.61	22.80	22.80	22.72	21.81	22.51	22.58	22.28	22.00	21.95
		15	0	22.69	22.70	22.57	22.77	22.78	22.66	21.71	22.44	22.46	22.14	21.93	21.87
	256QAM	1	0	20.64	20.60	20.61	20.80	20.08	20.73	19.48	20.62	20.22	20.27	19.90	19.95
		1	7	**20.81**	**20.81**	20.61	**20.86**	20.02	20.73	19.55	**20.63**	20.37	**20.33**	19.84	20.05
		1	14	20.68	20.65	20.52	20.79	20.00	20.68	19.51	20.60	20.25	20.28	19.75	19.98
		8	0	20.63	20.63	20.53	20.68	19.97	20.57	19.39	20.56	20.15	20.12	19.71	19.82
		8	4	20.66	20.63	20.53	20.71	19.95	20.62	19.41	20.58	20.20	20.17	19.72	19.86
		8	7	20.65	20.63	20.55	20.74	19.93	20.60	19.44	20.56	20.22	20.15	19.69	19.88
		15	0	20.62	20.59	20.51	20.68	19.95	20.56	19.37	20.51	20.15	20.13	19.68	19.82

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OUTPUT POWER FOR LTE BAND 66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131997	132322	132647	131997	132322	132647	131997	132322	132647	131997	132322	132647
				1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5
5.0	QPSK	1	0	25.61	25.58	25.51	25.69	25.57	25.53	25.41	25.32	25.42	**25.20**	24.93	24.89
		1	12	25.69	**25.70**	25.61	**25.70**	25.63	25.57	25.49	25.45	**25.50**	25.19	24.96	24.93
		1	24	25.62	25.59	25.51	25.64	25.62	25.54	25.39	25.36	25.42	25.19	24.92	24.90
		12	0	24.91	24.93	24.87	24.99	24.93	24.83	24.83	24.79	24.83	24.56	24.32	24.27
		12	6	25.02	24.97	24.87	24.99	24.95	24.85	24.86	24.80	24.87	24.60	24.34	24.29
		12	11	24.97	24.91	24.83	24.96	24.92	24.84	24.84	24.79	24.82	24.56	24.30	24.27
		25	0	24.97	24.95	24.84	24.98	24.95	24.82	24.84	24.78	24.87	24.56	24.34	24.29
	16QAM	1	0	25.34	25.29	25.22	25.44	25.45	25.39	25.24	25.11	25.24	**25.02**	24.78	24.73
		1	12	**25.46**	25.43	25.35	25.42	**25.50**	25.37	25.22	25.22	**25.32**	25.01	24.83	24.80
		1	24	25.38	25.25	25.14	25.45	25.43	25.39	25.21	25.07	25.20	24.98	24.76	24.75
		12	0	24.24	24.36	24.30	24.19	24.21	24.08	24.31	24.25	24.30	23.97	23.89	23.62
		12	6	24.33	24.37	24.30	24.22	24.21	24.11	24.35	24.27	24.32	23.98	23.91	23.64
		12	11	24.31	24.34	24.28	24.20	24.20	24.04	24.30	24.26	24.30	23.96	23.89	23.62
		25	0	24.39	24.24	24.19	24.17	24.12	24.06	24.19	24.17	24.27	23.97	23.71	23.62
	64QAM	1	0	24.54	24.58	24.49	24.50	24.46	24.44	24.48	24.42	24.44	24.16	24.09	23.88
		1	12	24.56	**24.66**	24.48	**24.52**	24.47	24.40	24.48	24.43	**24.50**	24.13	24.07	23.92
		1	24	24.51	24.64	24.43	**24.52**	24.51	24.45	24.40	24.49	24.48	**24.20**	24.03	23.95
		12	0	22.59	22.76	22.63	22.83	22.78	22.76	21.77	22.47	22.51	22.23	22.11	22.01
		12	6	22.70	22.76	22.67	22.85	22.79	22.77	21.83	22.50	22.57	22.26	22.13	22.05
		12	11	22.66	22.75	22.63	22.84	22.73	22.75	21.83	22.45	22.58	22.23	22.11	22.03
		25	0	22.69	22.74	22.61	22.81	22.76	22.66	21.70	22.47	22.36	22.28	22.10	22.04
	256QAM	1	0	20.71	20.70	20.70	**20.99**	20.30	20.73	19.53	**20.63**	20.19	**20.33**	19.98	20.06
		1	12	**20.81**	20.72	20.64	20.89	20.03	20.80	19.58	20.62	20.26	20.28	19.84	20.04
		1	24	20.67	20.73	20.56	20.90	20.04	20.74	19.49	20.59	20.28	20.27	19.76	20.07
		12	0	20.51	20.63	20.51	20.70	20.01	20.59	19.50	20.62	20.15	20.14	19.78	19.88
		12	6	20.61	20.64	20.47	20.73	19.90	20.59	19.55	**20.63**	20.24	20.18	19.70	19.90
		12	11	20.57	20.60	20.49	20.67	19.86	20.58	19.56	20.62	20.26	20.14	19.65	19.88
		25	0	20.59	20.62	20.48	20.69	19.95	20.57	19.45	20.53	20.09	20.13	19.68	19.87

OUTPUT POWER FOR LTE BAND 66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132022	132322	132622	132022	132322	132622	132022	132322	132622	132022	132322	132622
				1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0
10.0	QPSK	1	0	25.64	25.63	25.50	25.65	25.53	25.45	25.47	25.31	25.44	25.13	24.85	24.73
		1	24	**25.70**	25.63	25.55	**25.70**	25.61	25.54	25.46	25.42	**25.50**	**25.20**	24.88	24.86
		1	49	25.61	25.59	25.48	25.61	25.56	25.50	25.44	25.42	25.44	25.08	24.84	24.82
		25	0	25.05	25.00	24.89	25.04	24.94	24.82	24.89	24.76	24.85	24.64	24.39	24.25
		25	12	25.13	25.08	24.92	25.06	25.07	24.87	24.90	24.87	24.86	24.67	24.42	24.26
		25	24	25.10	25.04	24.95	25.03	25.03	24.94	24.89	24.85	24.91	24.55	24.38	24.38
		50	0	25.10	25.08	24.88	25.06	25.03	24.82	24.90	24.85	24.84	24.57	24.40	24.27
	16QAM	1	0	25.41	**25.46**	25.35	25.40	25.47	25.41	25.22	25.19	25.29	**25.02**	24.84	24.71
		1	24	25.33	25.40	25.31	25.37	**25.60**	25.45	25.07	25.18	25.31	24.97	24.87	24.77
		1	49	25.38	25.40	25.29	25.38	25.46	25.46	25.14	25.26	**25.32**	24.96	24.80	24.75
		25	0	24.40	24.33	24.21	24.19	24.05	23.94	24.28	24.20	24.23	23.86	23.64	23.43
		25	12	24.49	24.42	24.21	24.18	24.19	23.96	24.29	24.29	24.25	23.88	23.64	23.50
		25	24	24.46	24.38	24.26	24.16	24.17	24.01	24.27	24.29	24.31	23.78	23.64	23.54
		50	0	24.41	24.40	24.21	24.14	24.14	23.94	24.27	24.23	24.23	23.76	23.63	23.47
	64QAM	1	0	**24.66**	24.57	24.53	24.43	24.37	24.19	24.45	24.35	24.49	24.12	23.89	23.73
		1	24	24.64	24.56	24.51	**24.55**	24.48	24.34	**24.50**	24.47	**24.50**	**24.20**	23.93	23.81
		1	49	24.61	24.52	24.45	24.43	24.40	24.30	24.44	24.43	24.44	24.10	23.90	23.80
		25	0	22.67	22.66	22.52	22.82	22.72	22.63	21.84	22.50	22.23	22.27	22.02	21.89
		25	12	22.76	22.72	22.53	22.85	22.83	22.65	21.91	22.58	22.37	22.28	22.08	21.89
		25	24	22.72	22.69	22.59	22.80	22.82	22.71	21.90	22.58	22.46	22.19	22.06	21.95
		50	0	22.72	22.69	22.51	22.83	22.84	22.61	21.72	22.55	22.21	22.18	22.05	21.89
	256QAM	1	0	20.71	20.69	20.58	20.77	20.49	20.53	19.49	20.49	19.88	20.30	20.11	19.83
		1	24	20.80	**20.81**	20.67	**20.90**	19.94	20.72	19.58	20.56	20.00	**20.33**	20.04	20.06
		1	49	20.75	20.65	20.59	20.83	20.03	20.62	19.65	20.40	20.08	20.22	19.97	20.03
		25	0	20.65	20.59	20.47	20.67	20.17	20.46	19.53	20.59	19.90	20.17	20.00	19.83
		25	12	20.73	20.68	20.49	20.68	19.95	20.45	19.57	**20.63**	20.05	20.20	19.90	19.86
		25	24	20.68	20.64	20.56	20.65	19.92	20.51	19.60	20.54	20.13	20.10	19.80	19.90
		50	0	20.70	20.67	20.48	20.65	20.04	20.44	19.40	20.42	19.87	20.10	19.88	19.83

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OUTPUT POWER FOR LTE BAND 66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132047	132322	132597	132047	132322	132597	132047	132322	132597	132047	132322	132597
				1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5
15.0	QPSK	1	0	25.65	25.51	25.40	25.64	25.55	25.52	25.43	25.25	25.40	25.10	24.93	24.88
		1	37	**25.70**	25.61	25.44	**25.70**	25.64	25.56	**25.50**	25.41	25.47	**25.20**	24.97	24.92
		1	74	25.60	25.50	25.36	25.62	25.58	25.47	25.42	25.37	25.42	25.07	24.90	24.85
		36	0	25.12	24.93	24.78	25.19	25.10	24.97	24.91	24.75	24.84	24.67	24.45	24.31
		36	16	25.12	25.00	24.80	25.20	25.20	25.08	24.93	24.86	24.88	24.61	24.47	24.40
		36	35	25.08	24.99	24.84	25.17	25.18	25.06	24.91	24.87	24.94	24.59	24.47	24.39
		75	0	25.08	24.97	24.74	25.17	25.19	25.07	24.90	24.83	24.83	24.58	24.46	24.38
	16QAM	1	0	25.34	25.23	25.18	25.47	25.47	25.44	25.11	25.08	25.18	24.92	24.85	24.70
		1	37	**25.46**	25.26	25.24	**25.48**	25.46	25.47	25.30	**25.32**	25.24	**25.02**	24.84	24.76
		1	74	25.28	25.14	25.15	25.41	**25.48**	25.35	25.11	25.19	25.23	24.92	24.76	24.66
		36	0	24.20	24.38	24.22	24.20	24.17	24.03	24.22	24.03	24.13	23.99	23.76	23.60
		36	16	24.42	24.44	24.24	24.24	24.25	24.13	24.22	24.16	24.16	23.92	23.79	23.71
		36	35	24.50	24.41	24.29	24.23	24.24	24.11	24.20	24.14	24.23	23.89	23.76	23.69
		75	0	24.33	24.42	24.20	24.19	24.21	24.09	24.17	24.14	24.17	23.85	23.75	23.67
	64QAM	1	0	24.13	24.54	24.46	24.35	**24.45**	24.30	24.46	24.31	24.48	24.19	24.08	23.89
		1	37	24.33	**24.66**	24.54	24.44	24.37	24.27	24.46	24.42	**24.50**	**24.20**	24.13	23.91
		1	74	24.58	24.56	24.41	24.34	24.39	24.20	24.38	24.37	24.43	24.09	24.01	23.88
		36	0	21.54	22.66	22.52	22.81	22.77	22.60	22.02	22.45	22.20	22.28	22.10	21.92
		36	16	21.77	22.76	22.53	22.83	22.85	22.72	22.04	22.58	22.36	22.21	22.12	22.03
		36	35	22.01	22.50	22.60	22.84	22.76	22.71	22.06	22.57	22.50	22.19	22.10	22.04
		75	0	21.68	22.62	22.52	22.81	22.82	22.68	21.90	22.54	22.26	22.15	22.10	22.01
	256QAM	1	0	19.10	20.75	20.31	20.70	20.62	**20.92**	19.52	20.49	19.85	20.22	20.16	19.86
		1	37	19.27	20.19	20.63	20.91	19.96	20.77	19.69	**20.63**	19.99	**20.33**	19.85	20.18
		1	74	19.95	19.87	**20.81**	20.80	20.03	20.76	19.81	20.39	20.20	20.19	19.67	20.10
		36	0	19.09	20.63	20.32	20.69	20.33	20.50	19.62	20.51	19.80	20.15	19.96	19.80
		36	16	19.30	20.40	20.62	20.72	20.04	20.59	19.69	20.59	19.96	20.09	19.77	19.93
		36	35	19.55	20.11	**20.81**	20.70	19.97	20.60	19.68	20.50	20.11	20.07	19.67	19.92
		75	0	19.23	20.23	20.51	20.67	20.20	20.58	19.52	20.40	19.92	20.03	19.82	19.88

OUTPUT POWER FOR LTE BAND 66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132072	132322	132572	132072	132322	132572	132072	132322	132572	132072	132322	132572
				1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
20.0	QPSK	1	0	25.66	25.64	25.54	25.54	25.68	25.54	25.45	25.38	25.44	25.14	25.00	24.84
		1	49	**25.70**	25.67	25.51	25.66	**25.70**	25.61	25.48	25.47	**25.50**	**25.20**	25.01	24.91
		1	99	25.62	25.57	25.51	25.61	25.65	25.53	25.42	25.41	25.45	25.04	24.93	24.87
		50	0	24.98	24.93	24.79	25.00	25.05	24.90	24.80	24.72	24.79	24.76	24.59	24.39
		50	24	25.06	25.01	24.86	25.10	25.15	24.92	24.88	24.85	24.91	24.78	24.61	24.43
		50	49	25.01	24.96	24.82	25.08	25.10	25.00	24.86	24.83	24.87	24.67	24.56	24.49
		100	0	25.02	24.97	24.82	25.07	25.12	24.89	24.89	24.80	24.79	24.67	24.59	24.39
	16QAM	1	0	25.22	25.26	25.15	**25.54**	25.34	25.25	25.19	24.97	25.06	25.00	24.86	24.79
		1	49	**25.46**	25.37	25.18	25.40	25.52	25.24	**25.32**	25.22	25.19	**25.02**	24.91	24.82
		1	99	25.28	25.18	25.09	25.35	25.39	25.15	25.18	25.13	25.14	24.91	24.82	24.70
		50	0	24.03	24.17	24.02	24.07	24.12	23.96	23.96	23.85	23.90	23.85	23.70	23.46
		50	24	24.28	24.24	24.10	24.16	24.23	23.99	24.05	23.96	24.02	23.87	23.70	23.52
		50	49	24.24	24.18	24.06	24.16	24.17	24.05	23.99	23.97	24.00	23.75	23.65	23.58
		100	0	24.26	24.22	24.06	24.14	24.18	23.96	24.01	23.92	23.91	23.75	23.64	23.47
	64QAM	1	0	24.10	24.50	24.31	24.31	24.31	24.33	24.27	24.23	24.27	24.12	23.90	23.75
		1	49	24.47	**24.66**	24.48	24.52	24.39	**24.53**	24.41	**24.50**	24.44	**24.20**	23.91	23.81
		1	99	24.44	24.43	24.29	24.41	24.36	24.31	24.29	24.27	24.27	24.02	23.85	23.80
		50	0	21.66	22.69	22.37	22.74	22.76	22.59	21.99	22.45	22.13	22.24	22.13	21.91
		50	24	22.02	22.76	22.62	22.84	22.85	22.60	22.06	22.58	22.25	22.28	22.14	21.94
		50	49	22.45	22.35	22.57	22.82	22.74	22.70	22.08	22.58	22.43	22.16	22.08	22.03
		100	0	21.94	22.55	22.61	22.81	22.78	22.59	21.87	22.54	22.20	22.17	22.11	21.92
	256QAM	1	0	19.23	20.77	20.03	20.74	20.77	20.72	19.30	20.22	19.87	**20.33**	20.25	19.87
		1	49	19.62	20.29	20.37	20.81	20.05	**20.90**	19.62	**20.63**	19.89	20.28	19.88	20.06
		1	99	20.46	19.94	**20.81**	20.88	20.20	20.82	19.76	20.23	20.00	20.14	19.73	20.03
		50	0	19.26	20.73	19.97	20.69	20.43	20.54	19.49	20.39	19.64	20.13	20.00	19.78
		50	24	19.62	20.43	20.41	20.79	20.07	20.57	19.58	20.51	19.78	20.18	19.76	19.83
		50	49	20.02	20.02	20.70	20.76	19.99	20.62	19.60	20.36	19.97	20.08	19.62	19.91
		100	0	19.54	20.22	20.25	20.77	20.28	20.52	19.41	20.26	20.11	20.08	19.86	19.80

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5G NR n66

Test Engineer ID:	19146	Test Date:	4/25/2022

OUTPUT POWER FOR 5G NR n66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				342500	349000	355500	342500	349000	355500	342500	349000	355500	342500	349000	355500
				1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5
5.0	BPSK	1	0	25.44	25.27	25.29	25.45	25.27	25.25	25.18	25.04	25.06	**25.20**	24.98	25.09
		1	1	25.65	25.48	25.51	**25.70**	25.49	25.42	**25.50**	25.25	25.21	25.17	25.00	25.05
		1	23	**25.70**	25.48	25.49	25.68	25.51	25.38	25.44	25.22	25.26	25.16	25.01	25.03
		1	24	25.38	25.28	25.32	25.42	25.29	25.22	25.26	25.02	25.03	25.13	24.99	25.07
		12	6	25.60	25.54	25.56	25.66	25.49	25.44	25.46	25.27	25.29	25.12	25.02	25.12
		25	0	25.35	25.22	25.26	25.41	25.29	25.22	25.17	24.98	25.00	25.06	24.98	25.08
	QPSK	1	0	24.67	25.22	25.20	25.28	25.15	25.02	25.18	25.03	25.11	24.94	24.77	24.82
		1	1	25.27	25.49	25.58	**25.68**	25.50	25.47	25.46	25.26	25.27	**25.20**	25.02	25.08
		1	23	25.34	25.55	25.56	25.67	25.51	25.43	**25.49**	25.26	25.30	25.13	25.04	25.12
		1	24	24.72	25.19	25.28	25.28	25.15	25.11	25.24	25.09	25.13	24.85	24.84	24.86
		12	6	25.37	25.53	**25.59**	25.62	25.54	25.45	25.40	25.26	25.29	25.07	25.03	25.11
		25	0	24.62	25.19	25.21	25.28	25.16	25.14	25.21	25.05	25.07	24.86	24.79	24.88
	16QAM	1	0	24.10	25.08	25.05	24.91	25.06	25.07	24.76	24.99	24.98	24.50	24.58	**24.71**
		1	1	23.07	23.98	24.05	23.84	24.00	24.05	23.99	24.10	24.19	23.34	23.52	23.58
		1	23	23.08	23.96	23.99	23.93	24.01	24.02	24.01	24.15	24.16	23.44	23.56	23.58
		1	24	24.15	24.97	**25.13**	24.81	**25.13**	25.10	24.86	24.98	**25.01**	24.55	24.58	24.66
		12	6	23.36	23.66	23.71	23.91	23.69	23.83	23.18	23.09	23.00	22.88	22.73	22.74
		25	0	24.52	24.82	24.85	25.02	24.87	24.88	24.85	24.71	24.79	24.45	24.43	24.45
	64QAM	1	0	23.11	23.22	23.30	23.33	23.19	23.19	22.62	22.38	22.50	**22.36**	22.15	22.18
		1	1	23.08	23.26	23.27	**23.36**	23.22	**23.36**	**22.66**	22.47	22.51	22.33	22.19	22.24
		1	23	23.09	23.28	23.29	**23.36**	23.12	23.29	22.61	22.42	22.48	22.31	22.17	22.23
		1	24	23.07	23.27	**23.36**	23.30	23.01	23.25	22.61	22.35	22.42	22.28	22.20	22.20
		12	6	22.85	23.13	23.19	23.17	22.98	23.03	22.45	22.21	22.31	22.21	22.03	22.05
		25	0	22.89	23.15	23.16	23.10	23.01	23.06	22.45	22.34	22.29	22.25	22.11	22.12
	256QAM	1	0	21.27	20.98	21.05	**21.31**	21.11	21.08	20.52	20.27	20.34	20.26	20.12	20.16
		1	1	21.23	20.98	21.11	**21.31**	21.14	21.10	**20.61**	20.32	20.26	20.28	20.06	20.10
		1	23	**21.31**	21.03	21.04	21.24	21.18	21.17	20.55	20.40	20.32	20.25	20.13	20.23
		1	24	21.20	20.92	21.09	21.30	21.17	21.15	20.49	20.34	20.30	**20.31**	20.14	20.07
		12	6	21.26	21.12	21.18	21.26	21.12	21.16	20.53	20.41	20.35	20.25	20.15	20.20
		25	0	21.15	20.99	21.13	21.21	21.16	21.15	20.46	20.31	20.33	**20.31**	20.13	20.11

OUTPUT POWER FOR 5G NR n66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				343000	349000	355000	343000	349000	355000	343000	349000	355000	343000	349000	355000
				1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0
10.0	BPSK	1	0	25.50	25.32	25.44	25.49	25.30	25.30	25.21	25.05	25.14	**25.20**	24.96	25.09
		1	1	**25.70**	25.49	25.55	25.64	25.52	25.49	**25.50**	25.27	25.28	25.13	24.98	25.09
		1	50	25.61	25.57	25.55	**25.66**	25.52	25.46	25.42	25.31	25.34	25.16	25.04	25.03
		1	51	25.48	25.31	25.31	25.38	25.35	25.25	25.19	25.08	25.16	25.18	25.07	25.05
		25	12	25.69	25.53	25.54	25.62	25.58	25.41	25.40	25.27	25.29	25.08	24.97	25.06
		50	0	24.75	25.35	25.37	25.45	25.36	25.26	25.23	25.08	25.13	25.08	24.99	25.08
	QPSK	1	0	20.32	25.21	25.22	25.28	25.13	25.03	25.20	25.02	25.21	24.94	24.81	24.89
		1	1	21.06	25.55	25.58	25.69	25.55	25.50	**25.49**	25.25	25.36	**25.18**	25.04	25.12
		1	50	21.41	25.53	**25.63**	25.65	25.61	25.43	25.47	25.35	25.38	25.08	25.05	25.09
		1	51	20.69	25.21	25.25	25.15	25.14	25.02	25.24	25.16	25.18	24.88	24.83	24.93
		25	12	25.46	25.56	25.61	**25.70**	25.60	25.49	25.36	25.33	25.38	25.09	25.04	25.09
		50	0	24.68	25.18	25.28	25.21	25.15	25.03	25.24	25.16	25.16	24.88	24.86	24.94
	16QAM	1	0	24.33	24.97	**25.13**	**25.13**	24.98	24.86	24.95	24.75	24.85	**24.71**	24.62	24.69
		1	1	23.46	23.97	24.02	24.05	23.87	23.81	24.37	24.19	24.27	23.41	23.38	23.42
		1	50	23.81	23.99	24.05	24.04	23.97	23.83	24.24	24.15	24.26	23.35	23.41	23.39
		1	51	24.90	24.98	**25.13**	25.01	25.02	24.90	**25.01**	24.76	24.77	24.67	24.59	24.69
		25	12	23.66	23.76	23.84	23.78	23.65	23.59	22.96	22.95	22.93	22.89	22.79	22.73
		50	0	24.51	24.75	24.86	24.83	24.72	24.66	24.57	24.59	24.61	24.50	24.42	24.45
	64QAM	1	0	22.79	23.10	**23.36**	23.18	**23.36**	23.08	22.47	22.41	22.49	**22.36**	21.85	21.99
		1	1	22.75	23.08	23.25	23.30	23.31	23.16	22.56	22.38	22.46	21.94	21.92	21.98
		1	50	23.25	23.09	23.27	23.33	23.19	23.29	**22.66**	22.43	22.37	22.04	21.95	22.11
		1	51	23.16	22.97	23.22	23.34	23.17	23.17	22.47	22.43	22.38	22.07	21.91	22.01
		25	12	22.92	22.98	23.12	23.21	23.11	22.98	22.41	22.38	22.32	21.98	21.88	21.95
		50	0	22.75	23.00	23.11	23.14	23.06	23.10	22.39	22.28	22.25	21.87	21.87	21.95
	256QAM	1	0	21.24	21.04	21.16	21.28	21.16	21.16	20.54	20.33	20.39	20.21	19.99	20.18
		1	1	21.22	21.05	21.19	**21.31**	21.01	21.13	20.60	20.29	20.43	20.16	20.13	20.26
		1	50	21.25	21.09	21.17	21.20	21.09	21.12	**20.61**	20.34	20.51	20.23	20.00	20.12
		1	51	21.12	21.08	21.25	21.04	21.07	20.96	**20.61**	20.39	20.43	20.28	20.10	20.23
		25	12	21.21	21.07	21.22	21.16	21.13	21.10	20.56	20.38	20.46	20.20	20.06	20.21
		50	0	21.27	21.13	**21.31**	21.24	21.16	21.17	20.60	20.47	20.49	**20.31**	20.13	20.25

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OUTPUT POWER FOR 5G NR n66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				343500	349000	354500	343500	349000	354500	343500	349000	354500	343500	349000	354500
				1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5
15.0	BPSK	1	0	25.35	25.22	25.21	25.49	25.33	25.22	25.22	25.12	25.12	25.17	25.03	25.01
		1	1	25.57	25.44	25.38	**25.66**	25.58	25.44	**25.50**	25.33	25.34	**25.20**	25.05	24.99
		1	77	**25.60**	25.44	25.49	25.64	25.59	25.49	25.48	25.39	25.39	25.09	25.11	25.07
		1	78	25.38	25.27	25.26	25.44	25.38	25.26	25.24	25.19	25.24	25.11	25.09	25.01
		36	18	25.52	25.35	25.39	25.59	25.48	25.38	25.35	25.25	25.30	25.06	24.95	24.95
		75	0	25.38	25.22	25.23	25.46	25.31	25.21	25.21	25.12	25.14	25.12	25.04	24.99
	QPSK	1	0	24.48	25.22	25.18	25.28	25.14	25.08	25.24	25.12	25.13	24.94	24.81	24.78
		1	1	25.14	25.46	25.50	**25.70**	25.50	25.51	**25.47**	25.34	25.44	**25.19**	25.03	25.06
		1	77	**25.70**	25.51	25.52	25.66	25.65	25.49	**25.47**	25.40	25.43	25.11	25.13	25.08
		1	78	25.11	25.22	25.28	25.17	25.23	25.09	25.22	25.13	25.16	24.87	24.78	24.76
		36	18	25.59	25.42	25.41	25.57	25.51	25.44	25.45	25.29	25.40	25.06	25.00	24.93
		75	0	24.66	25.19	25.21	25.21	25.13	25.05	25.17	25.04	25.09	24.86	24.77	24.74
	16QAM	1	0	24.39	24.89	25.02	**25.13**	25.01	24.96	24.86	24.80	24.86	**24.71**	24.58	24.59
		1	1	23.23	23.88	23.90	24.05	23.85	23.85	24.16	24.09	24.05	23.54	23.29	23.29
		1	77	24.05	23.80	23.90	23.99	23.96	23.88	24.17	24.16	24.09	23.43	23.34	23.33
		1	78	**25.13**	24.95	25.02	25.06	25.02	25.06	**25.01**	24.94	24.88	24.66	24.68	24.69
		36	18	23.58	23.60	23.64	23.76	23.71	23.58	23.13	23.02	23.05	22.69	22.57	22.55
		75	0	24.71	24.68	24.70	24.96	24.80	24.69	24.63	24.60	24.59	24.46	24.41	24.33
	64QAM	1	0	22.87	22.95	23.19	23.34	23.12	22.82	22.56	22.44	22.47	22.25	22.19	22.16
		1	1	22.86	23.08	23.14	**23.36**	23.21	23.13	22.62	22.55	22.46	22.35	22.08	**22.36**
		1	77	**23.36**	23.10	23.11	23.34	23.22	23.17	**22.66**	22.47	22.58	22.28	22.23	22.17
		1	78	23.13	22.99	22.91	23.33	23.24	23.19	22.62	22.48	22.55	22.27	22.15	22.18
		36	18	22.89	22.84	22.89	23.15	22.99	22.94	22.41	22.29	22.35	22.12	22.05	22.00
		75	0	22.70	22.80	22.79	23.05	22.94	22.85	22.39	22.26	22.29	22.09	21.98	21.96
	256QAM	1	0	21.20	21.03	21.18	21.27	21.19	21.03	**20.61**	20.33	20.28	20.30	20.17	20.09
		1	1	21.20	21.08	21.14	21.17	21.08	20.86	20.43	20.36	20.30	**20.31**	20.19	20.14
		1	77	21.27	21.09	21.15	**21.31**	21.13	20.95	20.57	20.27	20.39	20.21	20.30	20.22
		1	78	**21.31**	21.10	21.13	21.13	21.17	21.07	20.47	20.30	20.35	20.21	20.19	20.22
		36	18	21.23	21.07	21.15	21.17	21.10	20.99	20.42	20.34	20.31	20.21	20.20	20.15
		75	0	21.26	21.10	21.18	21.22	21.11	21.04	20.44	20.30	20.36	20.25	20.18	20.18

OUTPUT POWER FOR 5G NR n66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				344000	349000	354000	344000	349000	354000	344000	349000	354000	344000	349000	354000
				1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
20.0	BPSK	1	0	25.48	25.37	25.39	25.46	25.28	25.26	25.21	25.10	25.02	25.13	25.04	25.04
		1	1	**25.70**	25.51	25.50	25.60	25.46	25.42	**25.41**	25.26	25.19	**25.20**	25.05	25.03
		1	104	**25.70**	25.55	25.65	25.57	25.59	25.40	**25.41**	25.29	25.37	25.07	25.05	25.06
		1	105	25.52	25.33	25.43	25.36	25.37	25.22	25.16	25.08	25.19	25.07	25.05	25.09
		50	25	25.59	25.51	25.56	**25.63**	25.53	25.45	25.31	25.26	25.28	25.06	25.01	25.00
		100	0	22.36	25.30	25.41	25.43	25.32	25.23	25.16	25.05	25.08	25.06	25.02	24.99
	QPSK	1	0	20.07	25.16	25.24	25.28	25.10	25.09	24.89	25.15	25.05	24.93	24.78	24.83
		1	1	20.87	25.62	25.61	**25.70**	25.44	25.48	25.36	25.37	25.26	**25.19**	25.13	25.13
		1	104	21.73	25.61	**25.68**	25.57	25.58	25.42	**25.50**	25.30	25.42	25.05	**25.19**	25.08
		1	105	20.78	25.16	25.28	25.18	25.17	25.05	25.24	25.15	25.21	24.94	24.92	24.83
		50	25	25.59	25.51	25.59	25.66	25.55	25.43	25.33	25.24	25.31	25.04	25.04	25.03
		100	0	24.87	25.09	25.19	25.21	25.11	25.07	24.98	25.08	25.12	24.80	24.78	24.79
	16QAM	1	0	24.31	25.09	25.07	**25.13**	24.87	24.92	24.56	24.95	24.84	24.65	**24.71**	24.54
		1	1	23.29	23.94	23.95	24.05	23.79	23.90	23.92	24.20	24.09	23.46	23.36	23.22
		1	104	24.05	23.92	23.93	24.03	23.86	23.78	24.27	24.00	24.14	23.29	23.32	23.33
		1	105	**25.13**	24.92	25.10	24.94	25.01	24.89	**25.01**	24.97	24.93	24.68	24.63	24.58
		50	25	23.67	23.64	23.67	23.75	23.60	23.54	23.01	22.94	22.96	22.68	22.65	22.67
		100	0	24.84	24.76	24.80	24.87	24.75	24.66	24.75	24.66	24.70	24.42	24.39	24.37
	64QAM	1	0	22.98	22.94	23.25	23.27	23.19	23.08	22.65	22.57	22.53	22.28	22.16	22.13
		1	1	22.94	23.22	23.22	23.19	23.03	23.00	22.52	22.56	22.56	22.31	22.24	22.12
		1	104	23.27	23.05	23.31	23.16	23.02	23.25	22.35	22.55	22.65	22.34	**22.36**	22.32
		1	105	**23.36**	23.21	23.24	23.26	23.01	**23.36**	22.61	22.62	**22.66**	22.08	22.06	22.31
		50	25	23.02	22.94	22.96	23.11	22.96	22.85	22.53	22.38	22.43	22.02	22.03	22.01
		100	0	23.03	22.93	22.96	23.04	23.01	22.81	22.47	22.42	22.45	22.11	22.05	22.06
	256QAM	1	0	21.24	21.25	21.20	**21.31**	21.00	21.08	20.51	20.50	20.21	20.27	20.16	20.07
		1	1	21.27	21.16	21.15	21.19	21.19	21.01	20.50	20.48	20.34	**20.31**	20.24	20.12
		1	104	21.27	21.07	21.15	21.15	21.10	20.92	**20.61**	20.51	20.42	20.23	20.23	20.02
		1	105	**21.31**	21.21	21.30	21.14	21.08	21.00	20.55	20.37	20.50	20.10	20.07	20.22
		50	25	21.25	21.18	21.23	21.14	21.13	21.00	20.45	20.35	20.42	20.20	20.16	20.23
		100	0	21.25	21.19	21.21	21.10	21.05	20.94	20.43	20.37	20.40	20.14	20.11	20.08

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OUTPUT POWER FOR 5G NR n66 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				345000	349000	353000	345000	349000	353000	345000	349000	353000	345000	349000	353000
				1725.0	1745.0	1765.0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0
30.0	BPSK	1	0	25.47	25.42	25.43	25.51	25.35	25.43	25.22	25.18	25.13	**25.16**	25.08	25.04
		1	1	**25.64**	25.53	25.56	25.61	25.61	25.69	25.40	25.39	25.33	25.15	24.96	25.06
		1	158	25.54	25.51	25.60	25.51	25.57	25.53	25.37	25.24	25.32	24.93	24.95	24.92
		1	159	25.27	25.41	25.37	25.29	25.47	25.32	25.19	25.10	25.15	24.96	25.09	25.02
		80	40	25.63	25.63	**25.64**	25.65	**25.70**	25.63	**25.42**	25.33	25.34	24.99	25.00	25.00
		160	0	21.91	25.46	25.50	25.48	25.50	25.41	25.27	25.21	25.16	25.10	25.09	25.03
	QPSK	1	0	20.63	25.23	25.12	25.23	25.25	25.26	25.17	25.19	25.11	24.94	24.89	24.77
		1	1	21.54	25.65	25.54	25.58	25.58	25.63	**25.50**	25.44	25.30	**25.20**	25.05	25.05
		1	158	21.99	25.57	**25.70**	25.49	25.64	25.57	25.29	25.31	25.39	24.90	25.09	24.99
		1	159	20.98	25.28	25.26	25.10	25.22	25.09	25.06	25.11	25.14	24.79	24.80	24.77
		80	40	25.65	25.59	25.68	25.64	**25.66**	25.61	25.49	25.38	25.33	25.03	24.92	25.02
		160	0	25.16	25.16	25.22	25.28	25.26	25.16	25.24	25.12	25.22	24.85	24.84	24.80
	16QAM	1	0	24.87	25.05	24.98	**25.13**	25.01	24.96	**25.01**	24.91	24.98	**24.71**	24.56	24.57
		1	1	23.95	24.05	23.95	24.05	23.89	23.77	24.30	24.07	24.33	23.46	23.22	23.18
		1	158	24.00	23.99	24.05	23.86	23.93	23.74	24.29	24.17	24.17	23.20	23.27	23.31
		1	159	25.08	**25.13**	25.02	25.07	25.00	24.89	24.85	24.87	24.87	24.51	24.52	24.30
		80	40	23.77	23.84	23.86	23.74	23.64	23.62	23.07	23.03	23.08	22.66	22.55	22.63
		160	0	24.84	24.86	24.91	24.91	24.85	24.79	24.80	24.69	24.74	24.40	24.30	24.32
	64QAM	1	0	23.20	23.20	23.31	23.21	**23.36**	23.22	22.36	22.55	**22.66**	**22.36**	22.17	22.04
		1	1	23.30	23.31	23.25	**23.36**	23.22	23.32	22.63	22.42	22.26	22.10	22.24	21.99
		1	158	23.13	23.13	**23.36**	23.28	22.99	23.17	22.57	22.55	22.52	22.06	22.26	22.12
		1	159	23.09	23.09	23.23	23.25	22.95	23.09	22.48	22.33	22.24	22.14	22.03	22.02
		80	40	23.09	23.05	23.09	22.98	23.01	22.87	22.34	22.28	22.33	22.04	22.08	22.00
		160	0	23.08	23.07	23.11	23.03	23.00	22.90	22.42	22.31	22.34	22.08	22.06	22.03
	256QAM	1	0	21.00	21.17	21.07	21.27	21.07	21.15	20.42	20.42	20.32	20.04	20.11	20.04
		1	1	20.93	21.10	21.12	21.20	21.01	21.12	20.50	20.51	20.53	**20.31**	19.93	20.05
		1	158	21.18	21.24	**21.31**	21.22	**21.31**	21.14	20.59	20.57	20.57	20.17	20.12	20.09
		1	159	20.96	21.14	21.22	21.28	21.07	21.16	20.47	**20.61**	20.56	20.03	20.11	20.26
		80	40	21.10	21.06	21.13	21.17	21.16	21.04	20.52	20.40	20.46	19.98	19.95	19.99
		160	0	21.11	21.07	21.16	21.11	21.18	21.08	20.52	20.38	20.50	20.00	20.02	20.02

OUTPUT POWER FOR 5G NR n66 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				346000	349000	352000	346000	349000	352000	346000	349000	352000	346000	349000	352000
				1730.0	1745.0	1760.0	1730.0	1745.0	1760.0	1730.0	1745.0	1760.0	1730.0	1745.0	1760.0
40.0	BPSK	1	0	25.38	25.44	25.47	25.43	25.34	25.37	25.27	25.31	25.18	25.16	24.96	24.94
		1	1	**25.70**	25.67	25.56	**25.70**	25.38	25.47	25.43	25.47	25.42	**25.20**	25.01	25.00
		1	214	25.56	25.68	25.62	25.57	25.48	25.39	25.40	25.37	**25.48**	24.97	24.99	25.05
		1	215	25.35	25.41	25.39	25.37	25.31	25.22	25.29	25.24	25.21	25.01	25.00	24.96
		108	54	25.64	25.56	25.66	25.49	25.53	25.50	25.42	25.37	25.36	24.98	25.01	25.02
		216	0	22.23	25.40	25.45	25.42	25.41	25.36	25.27	25.25	25.22	25.01	25.04	25.03
	QPSK	1	0	20.89	25.20	25.27	25.28	25.00	25.12	25.15	25.12	25.08	24.94	24.84	24.81
		1	1	21.62	25.59	**25.68**	**25.68**	25.56	25.52	25.42	25.45	25.37	**25.16**	25.01	25.01
		1	214	22.24	25.62	25.65	25.55	25.49	25.49	25.41	**25.50**	25.39	25.02	25.09	24.92
		1	215	21.43	25.24	25.23	25.00	25.07	24.88	25.24	25.11	25.19	24.76	24.87	24.77
		108	54	25.58	25.62	**25.68**	25.58	25.58	25.51	25.42	25.47	25.43	24.99	25.04	25.02
		216	0	25.24	25.24	25.28	25.10	25.08	25.03	25.17	25.19	25.14	24.85	24.88	24.86
	16QAM	1	0	24.93	24.88	**25.13**	**25.13**	24.97	25.07	**25.01**	24.86	24.83	**24.71**	24.56	24.54
		1	1	23.96	23.69	23.84	24.05	23.97	23.96	24.05	24.03	24.00	23.48	23.28	23.38
		1	214	23.86	24.05	23.71	24.00	23.84	23.85	23.95	24.13	23.98	23.18	23.26	23.25
		1	215	25.07	24.91	24.92	24.89	24.94	24.92	24.82	24.90	24.85	24.48	24.38	24.54
		108	54	23.65	23.63	23.69	23.75	23.67	23.66	23.07	23.05	23.06	22.68	22.73	22.69
		216	0	24.71	24.69	24.73	24.83	24.82	24.81	24.70	24.72	24.65	24.30	24.38	24.38
	64QAM	1	0	23.30	23.16	23.01	**23.36**	23.23	23.07	22.45	22.45	22.46	22.24	22.10	22.27
		1	1	**23.36**	22.82	23.28	23.22	23.23	23.27	**22.66**	22.51	22.53	**22.36**	22.21	22.25
		1	214	23.06	23.13	23.10	22.96	22.88	23.00	22.38	22.39	22.55	22.12	21.93	21.98
		1	215	22.91	23.05	23.09	23.18	23.07	22.97	22.30	22.47	22.57	21.89	21.82	22.02
		108	54	22.94	22.95	22.97	23.00	22.97	22.93	22.31	22.33	22.29	21.89	21.97	21.91
		216	0	22.98	23.01	23.01	23.03	23.03	22.93	22.37	22.40	22.34	21.93	22.04	21.91
	256QAM	1	0	21.11	21.14	21.13	21.12	21.07	21.24	20.25	20.22	20.18	19.98	19.81	19.94
		1	1	21.04	21.07	20.90	**21.31**	21.03	21.17	20.29	20.29	20.15	20.10	20.02	19.94
		1	214	21.16	**21.31**	21.20	**21.31**	21.22	21.15	20.35	20.30	20.43	**20.31**	20.11	20.06
		1	215	21.24	21.26	21.21	21.21	**21.31**	21.25	**20.61**	20.31	20.57	20.22	20.23	20.14
		108	54	21.04	21.03	21.10	21.19	21.13	21.04	20.24	20.23	20.22	20.09	20.06	20.09
		216	0	21.05	21.12	21.15	21.15	21.15	21.11	20.22	20.24	20.17	20.15	20.07	20.09

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8.14. 5G NR n70

Test Engineer ID:	12482	Test Date:	4/22/2022

OUTPUT POWER FOR 5G NR n70 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				339500	340500	341500	339500	340500	341500	339500	340500	341500	339500	340500	341500
				1697.5	1702.5	1707.5	1697.5	1702.5	1707.5	1697.5	1702.5	1707.5	1697.5	1702.5	1707.5
5.0	BPSK	1	0	25.46	25.34	25.37	25.43	25.43	25.42	25.27	25.21	25.24	24.56	24.66	24.69
		1	1	25.59	25.56	25.54	25.60	25.63	25.60	25.46	25.46	25.47	24.54	24.64	**24.70**
		1	23	25.59	25.54	25.53	**25.67**	25.54	25.59	25.41	25.45	25.43	24.58	24.50	24.68
		1	24	25.41	25.32	25.30	25.48	25.36	25.36	25.17	25.21	25.24	24.61	24.55	24.65
		12	6	**25.63**	25.58	25.55	25.64	25.55	25.63	25.44	**25.48**	25.42	24.56	24.53	24.66
		25	0	25.36	25.29	25.28	25.40	25.32	25.42	25.14	25.18	25.16	24.53	24.44	24.50
	QPSK	1	0	25.28	25.11	24.86	25.25	25.28	25.28	25.21	25.24	25.23	24.36	24.37	24.36
		1	1	25.68	25.62	25.50	25.66	25.66	25.66	25.44	25.48	25.45	24.61	24.59	24.59
		1	23	**25.70**	25.52	25.49	**25.70**	25.60	25.69	25.49	**25.50**	25.48	24.61	24.56	**24.62**
		1	24	25.28	24.86	24.84	25.28	25.19	25.25	25.19	25.22	25.18	24.44	24.39	24.37
		12	6	25.65	25.55	25.48	25.67	25.56	25.50	25.42	25.44	25.42	24.61	24.52	24.51
		25	0	25.25	24.90	24.81	25.24	25.12	25.22	25.17	25.17	25.18	24.40	24.32	24.29
	16QAM	1	0	25.11	24.98	24.75	25.07	**25.13**	25.02	24.96	24.97	24.94	**24.21**	24.17	24.03
		1	1	24.05	23.87	23.66	24.05	24.00	23.98	24.02	24.03	24.06	22.95	22.95	22.99
		1	23	24.03	23.69	23.64	24.01	23.89	24.00	24.04	24.01	24.07	23.00	22.90	22.86
		1	24	**25.13**	24.78	24.78	25.11	25.09	25.11	**25.01**	24.93	24.98	24.20	24.16	24.16
		12	6	23.88	23.57	23.50	23.86	23.61	23.73	23.06	23.05	23.14	22.30	22.25	22.21
		25	0	24.90	24.65	24.60	24.91	24.71	24.77	24.71	24.73	24.76	23.92	23.84	24.02
	64QAM	1	0	23.30	23.27	23.11	23.33	23.26	23.22	22.58	22.58	22.55	21.75	21.70	21.78
		1	1	**23.36**	23.26	23.16	23.33	**23.36**	23.18	**22.66**	22.65	22.56	**21.86**	21.77	21.85
		1	23	23.32	23.17	23.12	23.34	23.15	23.18	22.65	22.55	22.64	21.78	21.66	21.71
		1	24	23.29	23.15	23.14	23.28	23.14	23.16	22.55	22.57	22.50	21.72	21.66	21.73
		12	6	23.16	23.03	22.92	23.14	23.00	23.12	22.34	22.37	22.36	21.63	21.55	21.73
		25	0	23.15	23.01	22.94	23.19	22.99	23.13	22.44	22.41	22.33	21.60	21.58	21.67
	256QAM	1	0	**21.31**	21.24	21.25	**21.31**	21.22	21.30	20.47	**20.61**	20.53	19.60	19.62	**19.81**
		1	1	21.20	21.25	21.23	21.23	21.29	21.23	20.49	20.56	20.55	19.52	19.64	19.71
		1	23	21.18	21.19	21.19	21.29	21.15	21.18	20.49	20.50	20.55	19.60	19.60	19.76
		1	24	21.13	21.06	21.19	21.22	21.24	21.27	20.44	20.56	20.56	19.71	19.75	19.74
		12	6	21.07	21.24	21.24	21.24	21.19	21.25	20.47	20.49	20.48	19.66	19.65	**19.81**
		25	0	21.07	21.17	21.19	21.24	21.23	21.21	20.42	20.54	20.43	19.60	19.52	19.67

OUTPUT POWER FOR 5G NR n70 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				340000	340500	341000	340000	340500	341000	340000	340500	341000	340000	340500	341000
				1700.0	1702.5	1705.0	1700.0	1702.5	1705.0	1700.0	1702.5	1705.0	1700.0	1702.5	1705.0
10.0	BPSK	1	0	25.42	25.44	25.54	25.34	25.41	25.38	25.24	25.10	25.13	24.60	24.62	24.53
		1	1	**25.68**	25.66	25.58	25.58	25.63	25.58	25.42	25.33	25.40	24.56	24.67	24.54
		1	50	25.61	25.60	25.56	25.45	25.57	**25.65**	25.38	25.22	25.36	24.63	24.68	**24.69**
		1	51	25.40	25.39	25.31	25.30	25.38	25.35	25.18	25.06	25.18	24.62	24.62	24.67
		25	12	25.64	25.63	25.57	25.59	25.53	25.55	25.41	25.19	**25.43**	24.65	24.67	24.61
		50	0	25.45	25.47	25.38	25.34	25.32	25.33	25.23	25.11	25.25	24.61	24.60	24.57
	QPSK	1	0	25.28	25.27	25.19	25.22	25.25	25.28	25.23	25.10	25.24	24.35	24.31	24.29
		1	1	**25.70**	**25.70**	25.65	25.61	25.66	**25.70**	**25.50**	25.42	25.47	24.65	24.68	24.61
		1	50	25.64	25.62	25.58	25.55	25.52	25.59	25.45	25.36	25.41	24.69	24.64	**24.70**
		1	51	25.15	25.03	24.85	25.12	25.12	25.26	25.23	25.16	25.14	24.30	24.31	24.44
		25	12	25.67	25.63	25.48	25.63	25.52	25.55	25.49	25.42	25.44	24.68	24.64	24.62
		50	0	24.96	24.77	24.76	25.13	25.15	25.16	25.16	25.10	25.11	24.28	24.33	24.26
	16QAM	1	0	24.98	**25.13**	24.96	24.99	24.96	**25.13**	**25.01**	24.97	24.83	24.17	**24.21**	24.09
		1	1	23.90	24.05	23.82	24.03	24.05	23.98	24.09	23.97	23.99	23.05	22.86	22.94
		1	50	23.90	23.92	23.61	23.87	23.88	23.97	24.09	23.96	24.09	22.93	22.87	23.11
		1	51	24.98	24.88	24.66	25.04	24.85	25.03	24.82	24.82	24.85	24.12	23.99	23.96
		25	12	23.84	23.86	23.55	23.86	23.70	23.65	23.07	22.99	23.06	22.19	22.14	22.12
		50	0	24.93	24.96	24.69	24.71	24.73	24.66	24.66	24.69	24.71	23.95	23.85	23.86
	64QAM	1	0	23.23	**23.36**	23.16	23.24	23.32	23.26	22.45	22.61	22.54	21.76	21.77	21.66
		1	1	23.27	23.35	23.17	23.33	**23.36**	23.16	22.58	**22.66**	22.65	**21.86**	21.70	21.60
		1	50	23.21	23.21	22.92	23.00	23.12	23.07	22.59	22.55	22.52	21.81	21.70	21.76
		1	51	23.20	23.15	22.98	23.06	23.12	23.06	22.57	22.53	22.49	21.79	21.74	21.63
		25	12	23.07	23.23	23.01	23.04	23.01	23.10	22.35	22.43	22.39	21.79	21.64	21.64
		50	0	23.03	23.11	22.88	23.05	23.05	23.04	22.38	22.42	22.39	21.74	21.65	21.62
	256QAM	1	0	21.18	21.25	21.05	21.26	**21.31**	21.27	20.51	20.56	20.53	19.79	19.73	19.52
		1	1	21.18	**21.31**	21.11	21.22	21.30	21.22	20.37	20.51	20.51	19.77	19.78	19.70
		1	50	21.20	21.25	21.04	21.14	21.29	21.28	20.45	**20.61**	20.45	19.71	19.69	19.76
		1	51	21.15	21.25	21.11	21.17	21.20	21.23	20.38	20.46	20.56	19.71	**19.81**	19.71
		25	12	21.18	21.25	21.07	21.24	21.26	21.30	20.41	**20.61**	**20.61**	19.73	19.58	19.65
		50	0	21.19	21.28	21.11	21.30	21.26	21.26	20.39	20.59	20.54	19.67	19.69	19.72

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OUTPUT POWER FOR 5G NR n70 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	340500	N/A	N/A	340500	N/A	N/A	340500	N/A	N/A	340500	N/A
				N/A	1702.5	N/A	N/A	1702.5	N/A	N/A	1702.5	N/A	N/A	1702.5	N/A
15.0	BPSK	1	0		25.37			25.36			25.20			24.69	
		1	1		**25.56**			25.50			**25.41**			24.69	
		1	77		25.55			**25.55**			**25.41**			24.64	
		1	78		25.37			25.46			25.28			**24.70**	
		36	18		25.50			25.46			25.39			24.58	
		75	0		25.32			25.35			25.20			24.59	
	QPSK	1	0		25.28			25.28			25.23			24.32	
		1	1		**25.70**			**25.70**			25.46			24.63	
		1	77		25.59			25.62			**25.50**			**24.68**	
		1	78		25.16			25.16			25.24			24.44	
		36	18		25.50			25.53			25.47			24.64	
		75	0		24.83			25.09			25.24			24.39	
	16QAM	1	0		**25.13**			**25.13**			**25.01**			**24.21**	
		1	1		24.05			24.05			24.34			23.51	
		1	77		23.87			23.96			24.29			23.42	
		1	78		24.89			24.92			24.84			24.18	
		36	18		23.83			23.92			22.97			22.18	
		75	0		24.99			24.99			24.77			23.90	
	64QAM	1	0		23.35			23.23			22.61			21.66	
		1	1		**23.36**			**23.36**			22.61			**21.86**	
		1	77		23.08			22.93			**22.66**			21.69	
		1	78		23.06			23.08			22.54			21.67	
		36	18		23.09			22.90			22.38			21.59	
		75	0		22.97			22.87			22.26			21.51	
	256QAM	1	0		21.21			21.17			**20.61**			**19.81**	
		1	1		**21.31**			**21.31**			20.45			19.69	
		1	77		21.20			21.00			20.53			19.69	
		1	78		21.17			21.26			20.51			19.75	
		36	18		21.28			21.03			20.55			19.79	
		75	0		21.24			21.12			20.56			19.77	

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8.15. LTE BAND 71 AND 5G NR n71

LTE BAND 71

Test Engineer ID:	25602	Test Date:	4/18/2022

OUTPUT POWER FOR LTE BAND 71 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133147	133297	133447	133147	133297	133447
				665.5	680.5	695.5	665.5	680.5	695.5
5.0	QPSK	1	0	25.60	25.53	25.57	24.63	24.47	24.49
		1	12	**25.70**	25.67	25.68	**24.70**	24.64	24.60
		1	24	25.58	25.49	25.48	24.57	24.46	24.42
		12	0	24.89	24.88	24.95	23.87	23.69	23.76
		12	6	24.99	25.00	24.97	23.88	23.80	23.78
		12	11	24.95	24.92	24.91	23.86	23.77	23.74
		25	0	24.95	24.92	24.93	23.86	23.77	23.78
	16QAM	1	0	25.30	25.23	25.27	24.26	24.07	24.08
		1	12	25.43	25.41	**25.46**	**24.36**	24.28	24.23
		1	24	25.28	25.20	25.20	24.22	24.07	23.80
		12	0	24.40	24.33	24.37	23.49	23.22	23.29
		12	6	24.47	24.44	24.39	23.51	23.31	23.24
		12	11	24.45	24.40	24.36	23.38	23.28	22.61
		25	0	24.27	24.26	24.31	23.26	23.16	23.07
	64QAM	1	0	24.56	24.49	24.57	23.41	23.35	23.45
		1	12	**24.66**	24.61	24.58	23.33	**23.52**	23.51
		1	24	24.58	24.49	24.50	23.35	23.44	22.30
		12	0	22.66	22.54	22.70	21.05	21.61	21.51
		12	6	22.76	22.66	22.73	20.95	21.69	20.88
		12	11	22.73	22.61	22.67	20.78	21.46	20.25
		25	0	22.65	22.63	22.62	20.85	21.55	20.64
	256QAM	1	0	20.62	20.64	20.69	18.92	**19.96**	19.58
		1	12	**20.81**	20.80	20.73	18.89	19.73	18.92
		1	24	20.63	20.62	20.56	18.91	19.20	17.66
		12	0	20.47	20.47	20.54	18.97	19.85	19.41
		12	6	20.60	20.58	20.55	18.84	19.60	18.72
		12	11	20.56	20.52	20.53	18.70	19.24	18.07
		25	0	20.55	20.54	20.52	18.71	19.46	18.57

OUTPUT POWER FOR LTE BAND 71 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133172	133322	133422	133172	133322	133422
				668.0	683.0	693.0	668.0	683.0	693.0
10.0	QPSK	1	0	25.64	25.67	25.66	**24.70**	24.62	24.64
		1	24	25.66	25.67	**25.70**	24.65	24.65	24.63
		1	49	25.60	25.65	25.61	24.59	24.61	24.55
		25	0	24.91	24.91	24.91	23.95	23.83	23.85
		25	12	24.97	24.90	24.92	23.95	23.93	23.87
		25	24	24.93	24.97	24.96	23.91	23.90	23.92
		50	0	24.95	24.95	24.90	23.93	23.91	23.85
	16QAM	1	0	25.34	25.42	**25.46**	**24.36**	**24.36**	**24.36**
		1	24	25.24	25.33	25.38	24.26	24.29	24.30
		1	49	25.23	25.38	25.38	24.25	24.31	24.20
		25	0	24.28	24.29	24.32	23.30	23.15	23.17
		25	12	24.34	24.29	24.32	23.29	23.23	23.18
		25	24	24.29	24.36	24.37	23.25	23.20	23.21
		50	0	24.30	24.34	24.27	23.23	23.21	23.15
	64QAM	1	0	24.61	24.65	**24.66**	23.48	23.40	23.51
		1	24	24.57	24.64	24.63	23.41	23.45	**23.52**
		1	49	24.57	24.56	24.54	23.40	23.19	22.47
		25	0	22.66	22.68	22.72	20.95	21.67	21.68
		25	12	22.76	22.69	22.72	20.88	21.13	21.69
		25	24	22.70	22.74	22.74	21.13	20.78	21.03
		50	0	22.70	22.73	22.68	20.92	21.22	21.43
	256QAM	1	0	20.65	20.67	20.65	18.56	19.76	19.25
		1	24	**20.81**	20.78	20.76	18.64	19.11	**19.96**
		1	49	20.65	20.64	20.65	19.20	18.55	17.82
		25	0	20.50	20.50	20.56	18.71	19.45	19.57
		25	12	20.61	20.52	20.56	18.61	18.90	19.68
		25	24	20.55	20.53	20.60	18.81	18.54	18.84
		50	0	20.58	20.58	20.51	18.66	18.94	19.14

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OUTPUT POWER FOR LTE BAND 71 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133197	133297	133397	133197	133297	133397
				670.5	680.5	690.5	670.5	680.5	690.5
15.0	QPSK	1	0	25.58	25.61	25.68	**24.70**	24.65	24.59
		1	37	25.67	25.65	**25.70**	24.68	24.68	24.66
		1	74	25.58	25.63	25.63	24.65	24.61	24.55
		36	0	25.06	25.10	25.14	24.03	23.97	23.97
		36	16	25.15	25.17	25.13	24.08	24.04	23.98
		36	35	25.11	25.13	25.16	24.02	24.02	24.02
		75	0	25.13	25.13	25.11	24.06	24.01	23.98
	16QAM	1	0	25.29	25.32	25.34	24.30	24.23	24.19
		1	37	25.32	25.43	**25.46**	24.27	24.27	**24.36**
		1	74	25.32	25.36	25.28	24.29	24.25	24.19
		36	0	24.25	24.28	24.31	23.20	23.14	23.15
		36	16	24.35	24.36	24.31	23.26	23.21	23.15
		36	35	24.30	24.32	24.33	23.20	23.17	23.19
		75	0	24.34	24.33	24.27	23.25	23.19	23.14
	64QAM	1	0	24.52	24.56	24.61	23.50	23.31	23.34
		1	37	24.59	24.62	**24.66**	**23.52**	23.41	23.38
		1	74	24.55	24.60	24.55	23.44	23.34	22.58
		36	0	22.68	22.69	22.70	20.95	21.60	21.04
		36	16	22.75	22.76	22.72	21.27	21.69	21.64
		36	35	22.72	22.73	22.73	21.67	21.16	21.69
		75	0	22.74	22.72	22.68	21.48	21.67	21.36
	256QAM	1	0	20.66	20.58	20.64	18.78	19.69	19.13
		1	37	20.77	20.73	**20.81**	19.07	19.53	19.62
		1	74	20.66	20.75	20.71	19.94	18.66	17.98
		36	0	20.54	20.53	20.55	18.57	**19.96**	18.63
		36	16	20.60	20.62	20.53	18.87	19.48	19.38
		36	35	20.55	20.56	20.58	19.59	18.79	19.36
		75	0	20.58	20.58	20.51	19.11	19.32	18.97

OUTPUT POWER FOR LTE BAND 71 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133222	133322	133372	133222	133322	133372
				673.0	683.0	688.0	673.0	683.0	688.0
20.0	QPSK	1	0	25.65	25.66	25.66	**24.70**	24.62	24.56
		1	49	**25.70**	**25.70**	25.69	24.57	24.58	24.62
		1	99	25.66	25.68	25.65	24.54	24.58	24.53
		50	0	24.96	24.95	24.97	23.95	23.92	23.91
		50	24	25.02	25.00	25.03	24.01	23.99	23.99
		50	49	24.98	24.96	24.98	23.92	23.94	23.95
		100	0	25.04	24.99	24.95	24.01	23.98	23.94
	16QAM	1	0	25.22	25.16	25.19	24.28	24.23	24.14
		1	49	25.25	25.38	**25.46**	24.30	24.30	**24.36**
		1	99	25.18	25.17	25.18	24.20	24.23	24.12
		50	0	24.17	24.19	24.21	23.17	23.13	23.11
		50	24	24.23	24.23	24.26	23.21	23.20	23.19
		50	49	24.20	24.19	24.22	23.15	23.16	23.15
		100	0	24.26	24.24	24.16	23.22	23.20	23.13
	64QAM	1	0	24.37	24.42	24.48	23.46	23.33	23.31
		1	49	24.51	**24.66**	24.60	23.42	23.40	**23.52**
		1	99	24.36	24.48	24.45	23.33	23.32	22.70
		50	0	22.68	22.69	22.71	21.05	21.60	21.11
		50	24	22.73	22.76	22.75	21.69	21.26	21.37
		50	49	22.69	22.68	22.70	21.65	21.30	21.54
		100	0	22.76	22.73	22.70	21.58	21.57	21.30
	256QAM	1	0	20.52	20.60	20.51	18.99	19.93	**19.96**
		1	49	20.65	20.77	20.66	19.85	19.34	19.28
		1	99	**20.81**	20.73	20.69	19.34	19.57	18.02
		50	0	20.52	20.54	20.55	18.84	19.76	18.90
		50	24	20.59	20.59	20.60	19.61	19.05	19.09
		50	49	20.57	20.57	20.58	19.87	19.04	19.26
		100	0	20.59	20.59	20.53	19.37	19.34	19.06

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5G NR n71

Test Engineer ID:	12482	Test Date:	4/22/2022

OUTPUT POWER FOR 5G NR n71 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133100	136100	139100	133100	136100	139100
				665.5	680.5	695.5	665.5	680.5	695.5
5.0	BPSK	1	0	25.55	25.43	24.88	24.45	24.25	24.19
		1	1	25.50	25.63	25.09	24.64	24.43	24.38
		1	23	25.38	25.54	24.95	24.63	24.48	24.35
		1	24	25.21	25.34	24.72	24.39	24.30	24.20
		12	6	25.47	**25.66**	25.31	**24.70**	24.62	24.50
		25	0	25.08	25.37	25.07	24.43	24.34	24.19
	QPSK	1	0	25.28	25.12	24.85	24.28	24.03	23.89
		1	1	25.61	**25.70**	25.40	24.28	24.05	23.89
		1	23	25.56	25.60	24.83	24.27	24.18	23.83
		1	24	24.93	25.12	23.95	24.22	24.13	23.51
		12	6	25.46	25.68	25.44	**24.49**	**24.49**	24.38
		25	0	24.92	25.14	24.88	24.38	24.31	24.20
	16QAM	1	0	24.77	**25.13**	24.80	24.17	**24.26**	24.20
		1	1	23.58	24.05	23.80	22.06	22.15	22.11
		1	23	23.50	23.98	23.76	22.05	22.24	22.15
		1	24	24.70	25.07	24.79	23.62	23.79	23.68
		12	6	23.86	23.89	23.73	22.50	22.48	22.36
		25	0	24.97	24.93	24.63	23.69	23.67	23.57
	64QAM	1	0	23.35	22.62	22.90	22.53	22.24	22.16
		1	1	**23.36**	22.91	22.94	**22.56**	22.29	22.21
		1	23	23.25	22.85	22.81	22.50	22.39	22.23
		1	24	23.29	22.98	22.84	22.48	22.33	22.24
		12	6	23.12	22.84	22.70	22.28	22.23	22.16
		25	0	23.09	22.80	22.73	22.30	22.26	22.18
	256QAM	1	0	21.28	21.05	20.87	**20.48**	20.19	20.20
		1	1	**21.31**	21.07	20.94	20.44	20.20	20.20
		1	23	21.22	20.91	20.98	20.43	20.24	20.15
		1	24	21.21	20.96	20.83	20.37	20.26	20.08
		12	6	21.27	21.05	21.03	20.46	20.29	20.21
		25	0	21.21	20.98	21.03	20.45	20.41	20.27

OUTPUT POWER FOR 5G NR n71 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133600	136600	138600	133600	136600	138600
				668.0	683.0	693.0	668.0	683.0	693.0
10.0	BPSK	1	0	25.51	25.31	25.26	24.57	24.45	24.48
		1	1	25.32	**25.53**	25.41	**24.70**	24.56	24.63
		1	50	25.27	25.46	25.27	24.62	24.60	24.60
		1	51	25.09	25.27	25.08	24.49	24.45	24.42
		25	12	25.30	25.39	25.26	**24.70**	24.66	24.64
		50	0	25.30	25.16	25.12	24.61	24.59	24.56
	QPSK	1	0	25.28	25.17	25.10	24.24	24.13	24.22
		1	1	**25.70**	25.54	25.48	24.38	24.26	24.31
		1	50	25.55	25.45	25.32	24.24	24.33	24.27
		1	51	25.19	25.09	24.73	24.14	24.16	24.09
		25	12	25.62	25.42	25.36	24.56	**24.57**	24.53
		50	0	25.18	25.02	24.97	24.36	24.38	24.32
	16QAM	1	0	**25.13**	24.95	24.85	**24.28**	24.18	24.27
		1	1	24.05	23.87	23.87	22.21	22.14	22.25
		1	50	23.84	23.91	23.63	22.14	22.20	22.16
		1	51	24.96	24.78	24.67	23.60	23.66	23.58
		25	12	23.69	23.52	23.50	22.15	22.17	22.07
		50	0	24.75	24.54	24.50	23.54	23.54	23.43
	64QAM	1	0	23.24	23.12	23.09	**22.56**	22.49	22.51
		1	1	**23.36**	23.11	23.05	**22.56**	22.47	22.50
		1	50	23.12	23.02	22.80	22.48	**22.56**	22.42
		1	51	23.07	22.93	22.85	22.51	22.53	22.43
		25	12	23.04	22.77	22.71	22.49	22.40	22.34
		50	0	23.01	22.78	22.70	22.48	22.46	22.33
	256QAM	1	0	**21.31**	21.17	21.16	20.47	20.29	20.32
		1	1	21.28	21.14	21.06	**20.48**	20.34	20.30
		1	50	21.04	21.02	20.55	20.25	20.28	20.15
		1	51	21.14	21.04	20.44	20.23	20.23	20.13
		25	12	21.21	21.15	20.56	20.44	20.43	20.36
		50	0	21.24	21.13	20.66	20.32	20.35	20.28

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OUTPUT POWER FOR 5G NR n71 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				134100	136100	138100	134100	136100	138100
				670.5	680.5	690.5	670.5	680.5	690.5
15.0	BPSK	1	0	25.21	25.40	25.21	24.56	24.44	24.43
		1	1	25.36	**25.65**	25.42	**24.70**	24.54	24.60
		1	77	25.01	25.40	25.29	24.48	24.52	24.38
		1	78	24.81	25.23	25.06	24.34	24.34	24.29
		36	18	25.21	25.43	25.36	**24.70**	24.57	24.53
		75	0	24.98	25.23	25.18	24.55	24.45	24.37
	QPSK	1	0	25.12	25.28	25.11	24.30	24.18	24.18
		1	1	25.57	**25.70**	25.49	24.36	24.26	24.28
		1	77	25.21	25.49	25.33	24.15	24.22	24.17
		1	78	25.04	25.06	24.88	24.06	24.11	24.05
		36	18	25.60	25.46	25.45	**24.55**	24.49	24.38
		75	0	25.24	25.08	25.00	24.38	24.24	24.19
	16QAM	1	0	**25.13**	24.95	24.72	**24.28**	24.17	24.10
		1	1	24.05	23.89	23.72	22.25	22.20	22.20
		1	77	23.76	23.74	23.51	22.05	22.13	22.05
		1	78	24.80	24.64	24.55	23.41	23.45	23.32
		36	18	23.60	23.52	23.42	22.12	21.97	21.94
		75	0	24.67	24.56	24.46	23.47	23.30	23.25
	64QAM	1	0	23.26	23.03	22.92	22.54	22.38	22.39
		1	1	**23.36**	22.99	22.79	**22.56**	22.40	22.43
		1	77	22.94	22.78	22.71	22.28	22.31	22.23
		1	78	22.87	22.96	22.66	22.29	22.29	22.18
		36	18	23.02	22.83	22.74	22.36	22.21	22.14
		75	0	22.89	22.78	22.69	22.43	22.27	22.14
	256QAM	1	0	**21.31**	21.00	20.86	20.45	20.28	20.21
		1	1	21.26	21.05	20.93	**20.48**	20.31	20.21
		1	77	20.82	20.77	20.74	20.17	20.12	20.04
		1	78	20.92	20.78	20.65	20.18	20.10	20.02
		36	18	21.13	20.92	20.89	20.40	20.20	20.22
		75	0	21.11	20.93	20.85	20.32	20.15	20.10

OUTPUT POWER FOR 5G NR n71 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				134600	136600	137600	134600	136600	137600
				673.0	683.0	688.0	673.0	683.0	688.0
20.0	BPSK	1	0	25.48	25.32	25.16	24.51	24.45	24.31
		1	1	**25.70**	25.48	25.35	24.67	24.60	24.44
		1	104	25.30	25.20	25.08	24.51	24.43	24.44
		1	105	25.13	25.03	24.90	24.36	24.23	24.26
		50	25	25.53	25.30	25.28	**24.70**	24.61	24.58
		100	0	25.31	24.54	25.10	24.57	24.48	24.46
	QPSK	1	0	25.28	24.74	24.98	24.17	24.20	24.04
		1	1	**25.70**	25.37	25.43	24.25	24.30	24.14
		1	104	25.34	25.19	25.06	24.15	24.09	24.12
		1	105	24.92	24.75	24.57	24.08	23.97	23.96
		50	25	25.53	25.25	25.31	**24.57**	24.46	24.46
		100	0	25.10	24.77	24.83	24.38	24.28	24.25
	16QAM	1	0	**25.13**	24.80	24.66	**24.28**	24.17	24.04
		1	1	24.05	23.74	23.68	22.25	22.20	22.06
		1	104	23.65	23.55	23.30	22.14	22.01	22.05
		1	105	24.58	24.39	24.28	23.42	23.27	23.27
		50	25	23.53	23.33	23.26	22.10	22.04	21.97
		100	0	24.56	24.40	24.29	23.31	23.23	23.20
	64QAM	1	0	23.28	22.95	22.97	**22.56**	22.50	22.29
		1	1	**23.36**	23.00	22.97	22.55	22.47	22.32
		1	104	22.88	22.85	22.68	22.38	22.29	22.27
		1	105	22.95	22.78	22.57	22.37	22.29	22.21
		50	25	22.98	22.70	22.63	22.34	22.21	22.19
		100	0	22.95	22.72	22.66	22.31	22.20	22.15
	256QAM	1	0	21.11	21.01	20.95	**20.48**	20.35	20.19
		1	1	**21.31**	21.14	20.87	20.46	20.33	20.21
		1	104	21.01	20.86	20.63	20.29	20.28	20.16
		1	105	21.05	20.82	20.79	20.31	20.28	20.18
		50	25	21.09	20.86	20.87	20.31	20.19	20.15
		100	0	21.20	20.95	20.87	20.32	20.20	20.17

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8.16. 5G NR n77 (FCC Part 27 3450-3550MHz)

Test Engineer ID:	12482	Test Date:	4/22/2022

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630333	633332	636333	630333	633332	636333	630333	633332	636333	630333	633332	636333
				3455.0	3500.0	3545.0	3455.0	3500.0	3545.0	3455.0	3500.0	3545.0	3455.0	3500.0	3545.0
10.0	BPSK	1	0	25.05	25.13	25.06	22.60	22.52	22.47	25.31	25.29	25.36	22.14	22.20	22.28
		1	1	28.61	28.62	28.53	**26.00**	25.66	25.66	**28.68**	28.60	28.46	25.33	**25.50**	25.34
		1	22	**28.70**	28.60	28.61	25.88	25.73	25.71	28.64	28.65	28.44	25.40	25.37	25.32
		1	23	25.07	25.12	24.89	22.54	22.40	22.38	25.36	25.28	25.33	22.15	22.21	22.06
		12	6	28.60	28.59	28.53	25.82	25.68	25.65	28.62	28.58	28.47	25.43	25.40	25.42
		24	0	28.03	28.06	28.04	25.62	25.52	25.50	28.50	28.33	28.32	25.12	25.27	25.18
	QPSK	1	0	25.65	25.74	25.69	23.23	23.22	23.09	25.76	25.63	25.63	22.68	22.79	22.68
		1	1	28.56	28.54	28.54	25.88	25.70	25.65	**28.70**	28.57	28.50	**25.45**	25.39	25.41
		1	22	**28.70**	28.58	28.58	**25.92**	25.76	25.70	28.66	28.59	28.52	25.36	25.41	25.38
		1	23	25.64	25.59	25.63	23.22	23.16	23.07	25.71	25.61	25.31	22.68	22.72	22.59
		12	6	28.61	28.60	28.60	25.82	25.71	25.67	28.66	28.55	28.42	25.35	25.37	25.33
		24	0	28.26	28.28	28.21	25.78	25.71	25.59	28.28	28.22	27.89	25.21	25.24	25.18
	16QAM	1	0	26.33	26.63	26.83	23.71	24.12	24.11	26.73	26.79	26.61	23.78	23.68	23.69
		1	1	26.49	26.90	26.95	23.92	24.35	24.10	27.23	27.24	27.30	23.86	23.71	23.74
		1	22	26.53	26.87	27.05	23.98	24.30	24.29	27.37	27.33	27.08	23.57	23.76	23.70
		1	23	26.50	26.74	26.61	23.81	24.15	24.07	26.74	26.69	26.47	23.75	23.74	23.56
		12	6	26.69	26.80	26.71	24.07	24.11	23.91	26.79	26.86	26.65	23.06	23.08	23.03
		24	0	**28.13**	27.98	28.03	**25.43**	25.37	25.27	28.02	**28.13**	27.96	24.86	24.96	**25.01**
	64QAM	1	0	25.23	25.22	25.12	22.65	22.62	22.46	25.33	25.40	25.24	21.70	21.65	21.56
		1	1	**26.36**	26.25	26.02	23.62	23.64	23.40	26.30	26.30	26.19	22.53	**22.66**	22.49
		1	22	26.23	26.25	26.21	**23.66**	23.62	23.40	**26.36**	26.34	26.08	22.65	22.63	22.53
		1	23	25.40	25.30	25.28	22.59	22.60	22.42	25.33	25.29	25.05	21.51	21.53	21.45
		12	6	25.96	26.08	26.00	23.39	23.35	23.20	26.02	26.20	25.91	22.38	22.38	22.27
		24	0	25.99	26.08	26.00	23.35	23.35	23.25	26.03	26.14	25.89	22.35	22.36	22.34
	256QAM	1	0	**24.31**	24.09	24.22	21.41	21.32	21.25	**24.31**	24.13	23.91	20.44	**20.61**	20.43
		1	1	24.19	24.06	24.24	21.47	21.30	21.15	24.24	24.21	23.97	20.43	20.45	20.42
		1	22	24.23	24.02	24.02	**21.61**	21.30	21.17	24.24	24.18	24.05	20.41	20.51	20.40
		1	23	24.28	24.10	24.25	21.43	21.34	21.19	24.17	24.23	23.99	20.37	20.46	20.36
		12	6	24.14	24.08	24.22	21.25	21.39	21.24	24.30	24.22	23.99	20.35	20.54	20.48
		24	0	24.15	24.21	24.14	21.23	21.34	21.18	24.09	24.20	23.97	20.39	20.48	20.47

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630500	633332	636166	630500	633332	636166	630500	633332	636166	630500	633332	636166
				3457.5	3500.0	3542.5	3457.5	3500.0	3542.5	3457.5	3500.0	3542.5	3457.5	3500.0	3542.5
15.0	BPSK	1	0	24.98	25.04	25.01	22.74	22.48	22.36	25.41	25.21	25.26	22.27	22.15	22.16
		1	1	28.60	28.63	28.60	25.95	25.75	25.58	28.60	28.45	28.44	25.43	25.47	25.42
		1	36	**28.67**	28.60	28.48	**25.98**	25.88	25.64	**28.63**	28.51	28.45	25.43	25.46	**25.49**
		1	37	25.02	25.12	25.03	22.62	22.55	22.37	25.33	25.31	25.21	22.06	22.17	22.20
		18	9	28.58	28.53	28.63	25.78	25.81	25.53	28.58	28.46	28.41	25.31	25.44	25.43
		36	0	28.10	28.11	28.06	25.57	25.65	25.38	28.37	28.32	28.28	25.18	25.24	25.20
	QPSK	1	0	25.79	25.73	25.79	23.36	23.25	23.08	25.78	25.74	25.67	22.71	22.74	22.78
		1	1	28.62	**28.70**	28.68	**26.00**	25.89	25.71	**28.70**	28.57	28.50	25.40	**25.50**	25.44
		1	36	28.63	28.63	28.61	25.94	25.87	25.73	28.65	28.65	28.55	25.39	25.49	25.40
		1	37	25.78	25.75	25.70	23.34	23.25	23.05	25.71	25.69	25.62	22.65	22.74	22.67
		18	9	28.54	28.61	28.60	25.85	25.76	25.64	28.63	28.61	28.41	25.37	25.41	25.43
		36	0	28.28	28.25	28.26	25.78	25.71	25.53	28.28	28.25	28.02	25.15	25.24	25.21
	16QAM	1	0	26.96	26.84	26.68	24.22	24.11	23.92	26.97	26.95	26.85	23.70	23.82	23.87
		1	1	27.05	27.01	26.78	24.35	24.34	24.13	27.39	27.26	27.08	23.64	23.66	23.67
		1	36	26.92	26.84	26.86	24.34	24.25	23.99	27.26	27.18	26.81	23.63	23.87	23.80
		1	37	26.82	26.74	26.75	24.13	24.01	23.90	26.91	26.92	26.82	23.75	23.86	23.72
		18	9	26.58	26.65	26.61	23.86	24.02	23.69	26.70	26.46	26.16	22.88	22.95	23.03
		36	0	**28.13**	28.04	28.07	**25.43**	25.40	25.09	**28.13**	28.12	27.87	24.93	**25.01**	24.99
	64QAM	1	0	25.21	25.25	25.17	22.53	22.65	22.41	25.39	25.20	25.03	21.43	21.65	21.64
		1	1	26.22	26.30	26.17	**23.66**	23.55	23.30	**26.36**	26.24	26.11	22.54	22.63	22.53
		1	36	26.23	26.33	**26.36**	23.56	23.59	23.34	26.25	26.29	26.16	22.60	**22.66**	22.50
		1	37	25.27	25.18	25.14	22.60	22.36	22.30	25.24	25.20	25.04	21.63	21.63	21.51
		18	9	25.87	26.07	25.99	23.34	23.27	23.09	26.02	25.94	25.71	22.30	22.35	22.33
		36	0	26.05	26.08	26.04	23.40	23.24	23.09	26.06	26.07	25.83	22.36	22.44	22.43
	256QAM	1	0	24.26	24.11	**24.31**	21.59	21.27	21.25	24.22	24.16	24.07	20.50	20.48	20.47
		1	1	24.11	24.17	24.08	**21.61**	21.32	21.28	**24.31**	24.24	24.01	**20.61**	20.50	20.55
		1	36	24.03	24.25	24.23	21.56	21.30	21.20	24.09	24.12	23.96	20.51	20.44	20.46
		1	37	24.14	24.08	24.16	21.33	21.39	21.12	24.08	24.00	24.11	20.57	20.57	20.45
		18	9	24.19	24.16	24.19	21.41	21.24	21.08	24.12	24.12	23.94	20.44	20.46	20.44
		36	0	24.19	24.23	24.19	21.53	21.42	21.22	24.21	24.19	24.07	20.58	20.55	20.48

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OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630666	633332	635998	630666	633332	635998	630666	633332	635998	630666	633332	635998
				3460.0	3500.0	3540.0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0
20.0	BPSK	1	0	25.01	25.06	25.04	25.90	25.77	25.66	28.69	28.55	28.48	25.42	25.43	25.43
		1	1	**28.61**	28.51	28.53	**26.00**	25.78	25.68	**28.70**	28.56	28.50	**25.50**	25.48	25.48
		1	49	28.59	28.53	28.44	25.98	25.71	25.69	28.67	28.52	28.48	25.47	25.45	25.48
		1	50	24.99	24.98	24.77	25.90	25.70	25.68	28.66	28.50	28.50	25.42	25.43	25.44
		25	12	28.50	28.54	28.40	25.93	25.70	25.64	28.66	28.52	28.44	25.44	25.44	25.43
		50	0	28.06	28.01	27.92	25.90	25.68	25.64	28.64	28.51	28.43	25.43	25.43	25.43
	QPSK	1	0	25.76	25.71	25.58	25.64	25.52	25.48	28.16	28.08	28.00	25.18	25.15	25.18
		1	1	28.62	28.57	28.36	25.78	25.64	25.59	28.51	28.42	28.35	**25.36**	25.28	25.29
		1	49	28.66	**28.70**	28.55	25.77	25.59	25.60	28.52	28.39	28.36	25.35	25.32	25.30
		1	50	25.76	25.79	25.70	25.63	25.47	25.50	28.13	28.04	28.01	25.18	25.19	25.19
		25	12	28.60	28.51	28.43	**25.83**	25.65	25.59	**28.58**	28.47	28.41	**25.36**	**25.36**	**25.36**
		50	0	28.28	28.28	28.14	25.78	25.59	25.55	28.28	28.16	28.09	25.24	25.22	25.20
	16QAM	1	0	26.76	26.68	26.67	25.30	**25.43**	25.31	**28.13**	28.04	27.95	24.73	**25.01**	25.00
		1	1	26.94	26.99	26.66	24.19	24.35	24.28	23.76	23.71	23.62	23.35	23.64	23.63
		1	49	27.05	26.85	26.71	24.17	24.27	24.27	23.74	23.69	23.65	23.34	23.64	23.63
		1	50	26.78	26.86	26.83	25.28	25.36	25.35	28.08	27.97	27.95	24.67	24.99	25.00
		25	12	26.70	26.67	26.63	24.28	24.15	24.10	26.89	26.84	26.76	23.17	23.10	23.17
		50	0	**28.13**	28.12	28.04	25.38	25.14	25.11	27.90	27.81	27.71	24.81	24.83	24.78
	64QAM	1	0	25.35	25.25	25.32	23.63	23.47	23.40	26.33	26.25	26.15	22.64	22.65	**22.66**
		1	1	26.35	26.32	26.23	**23.66**	23.47	23.38	**26.36**	26.23	26.16	**22.66**	22.63	22.63
		1	49	**26.36**	26.34	26.14	23.64	23.41	23.41	26.32	26.20	26.16	**22.66**	**22.66**	22.63
		1	50	25.29	25.23	25.24	23.62	23.41	23.39	26.34	26.17	26.17	22.63	22.65	22.62
		25	12	26.11	26.13	26.01	23.53	23.33	23.28	26.22	26.14	26.04	22.40	22.48	22.45
		50	0	26.15	26.00	25.98	23.48	23.27	23.20	26.17	26.07	25.99	22.45	22.48	22.44
	256QAM	1	0	24.18	24.10	**24.31**	21.57	21.35	21.22	**24.31**	24.22	24.07	**20.61**	20.50	20.49
		1	1	24.21	24.23	23.99	**21.61**	21.30	21.18	**24.31**	24.17	24.10	**20.61**	20.49	20.53
		1	49	24.21	24.10	24.12	21.58	21.21	21.24	24.26	24.11	24.06	**20.61**	20.52	20.52
		1	50	24.07	24.14	23.91	21.58	21.21	21.23	24.28	24.12	24.08	20.59	20.49	20.52
		25	12	24.16	24.08	23.99	21.48	21.21	21.20	24.29	24.14	24.06	20.56	20.55	20.53
		50	0	24.20	24.09	24.04	21.49	21.22	21.16	24.23	24.11	24.06	20.47	20.48	20.41

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631000	633332	635666	631000	633332	635666	631000	633332	635666	631000	633332	635666
				3465.0	3500.0	3535.0	3465.0	3500.0	3535.0	3465.0	3500.0	3535.0	3465.0	3500.0	3535.0
30.0	BPSK	1	0	24.94	24.97	24.98	25.97	25.84	25.67	28.69	28.65	28.57	25.38	25.43	25.43
		1	1	28.49	**28.64**	28.63	**26.00**	25.85	25.71	**28.70**	28.68	28.60	25.43	25.40	**25.50**
		1	76	28.52	28.56	28.52	25.89	25.68	25.70	28.65	28.54	28.53	25.38	25.46	25.49
		1	77	24.92	25.04	24.98	25.87	25.68	25.72	28.68	28.55	28.51	25.35	25.43	25.44
		36	18	28.51	28.50	28.52	25.86	25.69	25.63	28.59	28.56	28.47	25.32	25.33	25.39
		75	0	28.06	28.04	28.08	25.85	25.71	25.66	28.59	28.57	28.50	25.34	25.33	25.39
	QPSK	1	0	25.68	25.75	25.69	25.77	25.66	25.58	28.26	28.24	28.15	25.17	25.17	25.24
		1	1	28.59	28.65	28.64	25.74	25.71	25.61	**28.51**	28.49	28.44	25.26	25.24	25.29
		1	76	28.64	28.63	**28.70**	25.69	25.58	25.61	28.44	28.42	28.41	25.21	25.23	25.27
		1	77	25.62	25.70	25.73	25.70	25.57	25.60	28.20	28.17	28.16	25.15	25.19	25.23
		36	18	28.46	28.48	28.51	25.74	25.63	25.59	**28.51**	28.50	28.43	25.27	25.27	**25.32**
		75	0	28.20	28.18	28.28	**25.78**	25.67	25.60	28.28	28.26	28.18	25.15	25.15	25.17
	16QAM	1	0	26.75	27.00	26.77	**25.43**	25.23	25.12	28.10	**28.13**	28.01	24.95	24.94	25.00
		1	1	27.05	26.86	26.86	24.35	24.23	24.12	23.66	23.64	23.58	23.53	23.51	23.63
		1	76	26.82	26.71	26.82	24.29	24.12	24.14	23.62	23.60	23.57	23.50	23.59	23.60
		1	77	26.61	26.78	26.73	25.30	25.12	25.08	28.04	28.02	27.97	24.86	**25.01**	**25.01**
		36	18	26.44	26.42	26.51	24.05	23.90	23.80	26.79	26.78	26.71	22.97	22.96	23.11
		75	0	28.04	28.05	**28.13**	25.11	24.94	24.89	27.89	27.87	27.78	24.73	24.70	24.77
	64QAM	1	0	25.21	24.97	25.06	23.64	23.52	23.41	26.32	26.34	26.21	22.58	22.55	22.64
		1	1	**26.36**	25.90	26.16	**23.66**	23.53	23.42	26.34	26.35	26.22	22.61	22.62	**22.66**
		1	76	26.00	26.09	25.86	23.56	23.37	23.44	26.33	26.25	26.22	22.52	22.63	22.62
		1	77	24.78	25.04	25.16	23.55	23.36	23.46	**26.36**	26.24	26.21	22.51	22.62	22.62
		36	18	25.83	25.85	25.95	23.51	23.27	23.22	26.11	26.10	26.07	22.37	22.36	22.42
		75	0	25.82	25.91	25.88	23.46	23.23	23.20	26.08	26.05	26.01	22.34	22.34	22.45
	256QAM	1	0	24.07	23.98	**24.31**	**21.61**	21.45	21.28	24.28	24.26	24.11	20.52	20.58	20.59
		1	1	24.06	24.30	23.86	21.58	21.43	21.32	**24.31**	24.26	24.14	20.55	**20.61**	20.57
		1	76	24.01	24.16	**24.31**	21.45	21.28	21.38	24.29	24.14	24.11	20.56	20.59	20.56
		1	77	23.99	24.17	24.18	21.45	21.29	21.37	24.27	24.13	24.10	20.55	20.58	20.54
		36	18	23.96	24.09	24.03	21.48	21.25	21.30	24.19	24.14	24.08	20.50	20.56	20.54
		75	0	24.02	24.14	24.06	21.55	21.30	21.26	24.19	24.19	24.09	20.45	20.51	20.55

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OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631332	633332	635332	631332	633332	635332	631332	633332	635332	631332	633332	635332
				3470.0	3500.0	3530.0	3470.0	3500.0	3530.0	3470.0	3500.0	3530.0	3470.0	3500.0	3530.0
40.0	BPSK	1	0	24.93	24.86	24.94	25.99	25.91	25.73	**28.70**	28.66	28.61	25.37	25.37	25.44
		1	1	28.51	**28.54**	28.47	**26.00**	25.91	25.76	28.66	28.68	28.61	25.41	25.38	25.48
		1	104	28.52	**28.54**	28.39	25.89	25.74	25.78	28.69	28.60	28.59	25.39	25.47	**25.50**
		1	105	24.92	25.00	24.86	25.88	25.74	25.77	28.66	28.61	28.61	25.36	25.43	25.47
		50	25	28.41	28.50	28.31	25.89	25.70	25.65	28.57	28.57	28.51	25.28	25.29	25.36
		100	0	27.92	27.96	27.86	25.88	25.70	25.64	28.57	28.57	28.48	25.29	25.31	25.30
	QPSK	1	0	25.71	25.76	25.73	25.74	25.66	25.53	28.24	28.17	28.12	25.13	25.11	25.13
		1	1	28.58	28.58	**28.70**	25.72	25.68	25.58	28.44	28.37	28.34	25.18	25.16	25.17
		1	104	28.61	28.55	28.51	25.68	25.60	25.60	28.44	28.35	28.33	25.17	25.17	25.26
		1	105	25.81	25.80	25.72	25.70	25.60	25.58	28.21	28.14	28.16	25.14	25.15	25.24
		50	25	28.47	28.39	28.37	**25.83**	25.67	25.61	28.48	**28.50**	28.43	25.23	25.25	**25.27**
		100	0	28.28	28.24	28.19	25.78	25.64	25.59	28.28	28.26	28.23	25.10	25.11	25.11
	16QAM	1	0	26.99	27.00	27.16	**25.43**	25.34	25.18	27.83	**28.13**	28.07	24.94	24.92	24.95
		1	1	26.87	26.95	26.98	24.35	24.27	24.16	23.54	23.82	23.77	23.55	23.53	23.59
		1	104	27.05	26.93	26.85	24.26	24.19	24.17	23.53	23.80	23.80	23.57	23.57	23.65
		1	105	26.83	26.90	26.85	25.34	25.20	25.23	27.84	28.09	28.05	24.91	24.95	**25.01**
		50	25	26.55	26.64	26.63	24.20	24.02	23.99	26.99	26.98	26.99	23.05	23.04	23.10
		100	0	28.12	28.07	**28.13**	25.17	25.00	24.93	27.90	27.88	27.83	24.61	24.61	24.69
	64QAM	1	0	25.26	25.18	24.86	**23.66**	23.54	23.38	26.33	26.30	26.24	22.52	22.53	22.62
		1	1	25.86	**26.36**	26.14	23.63	23.55	23.39	26.31	26.33	26.22	22.54	22.50	22.64
		1	104	26.12	25.94	26.35	23.54	23.41	23.46	**26.36**	26.27	26.31	22.52	**22.66**	22.65
		1	105	25.25	25.02	25.24	23.54	23.40	23.42	26.33	26.26	26.24	22.54	22.65	22.65
		50	25	25.84	25.75	25.84	23.44	23.25	23.17	26.16	26.11	26.09	22.26	22.31	22.38
		100	0	25.82	25.87	25.83	23.40	23.26	23.16	26.12	26.10	26.03	22.26	22.27	22.36
	256QAM	1	0	24.00	24.18	24.07	**21.61**	21.50	21.28	24.25	24.24	24.15	20.50	20.46	20.58
		1	1	24.10	23.87	24.30	21.56	21.45	21.30	**24.31**	24.22	24.13	20.47	20.47	20.57
		1	104	24.15	**24.31**	24.18	21.42	21.38	21.41	24.30	24.14	24.20	20.60	20.59	**20.61**
		1	105	24.19	23.89	24.28	21.40	21.38	21.42	24.29	24.17	24.17	20.60	20.58	20.60
		50	25	24.04	23.95	23.98	21.43	21.18	21.25	24.08	24.04	23.98	20.34	20.44	20.43
		100	0	24.11	24.12	24.02	21.44	21.29	21.20	24.12	24.02	23.98	20.32	20.42	20.45

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631666	633332	634998	631666	633332	634998	631666	633332	634998	631666	633332	634998
				3475.0	3500.0	3525.0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0
50.0	BPSK	1	0	25.10	24.91	24.91	25.99	25.92	25.76	28.66	28.60	28.56	25.40	25.45	25.45
		1	1	28.60	**28.70**	28.69	**26.00**	25.93	25.78	**28.70**	28.66	28.57	25.43	25.47	**25.50**
		1	131	28.50	28.45	28.57	25.72	25.75	25.76	28.49	28.44	28.42	25.42	25.40	25.39
		1	132	24.81	24.91	24.74	25.70	25.71	25.75	28.49	28.43	28.35	25.39	25.38	25.38
		64	32	28.51	28.41	28.49	25.84	25.70	25.64	28.56	28.48	28.43	25.31	25.34	25.42
		128	0	27.99	27.98	27.91	25.81	25.67	25.60	28.53	28.46	28.39	25.27	25.28	25.37
	QPSK	1	0	25.78	25.77	25.91	25.78	25.75	25.63	28.24	28.19	28.14	25.20	25.18	25.24
		1	1	28.58	28.55	**28.61**	**25.84**	25.78	25.66	28.40	28.35	28.30	25.28	25.29	25.31
		1	131	28.53	28.39	28.44	25.62	25.58	25.66	28.23	28.22	28.22	25.24	25.27	25.26
		1	132	25.62	25.71	25.72	25.54	25.53	25.58	28.09	28.05	28.02	25.15	25.14	25.13
		64	32	28.45	28.50	28.42	**25.84**	25.70	25.64	**28.52**	28.47	28.39	25.32	25.34	**25.40**
		128	0	28.23	28.28	28.23	25.73	25.57	25.51	28.28	28.23	28.14	25.07	25.08	25.17
	16QAM	1	0	27.05	27.15	27.06	**25.43**	25.38	25.23	**28.13**	28.07	28.02	24.92	24.92	**25.01**
		1	1	27.05	26.84	26.71	24.35	24.30	24.19	23.82	23.78	23.74	23.54	23.54	23.61
		1	131	26.73	26.68	26.73	24.13	24.14	24.18	23.72	23.68	23.65	23.54	23.52	23.54
		1	132	27.01	26.77	26.92	25.17	25.20	25.21	27.95	27.91	27.86	24.89	24.91	24.91
		64	32	26.52	26.58	26.47	24.13	24.03	23.96	27.01	26.94	26.90	23.02	23.06	23.13
		128	0	28.04	**28.13**	**28.13**	25.07	24.92	24.88	27.80	27.73	27.67	24.54	24.62	24.65
	64QAM	1	0	25.08	25.34	25.41	**23.66**	23.59	23.43	26.34	26.28	26.24	22.55	22.57	**22.66**
		1	1	**26.36**	25.93	26.12	23.63	23.56	23.45	**26.36**	26.30	26.22	22.58	22.61	22.63
		1	131	26.35	26.12	26.15	23.36	23.38	23.41	26.15	26.11	26.07	22.53	22.56	22.57
		1	132	25.12	25.17	25.03	23.35	23.38	23.41	26.17	26.11	26.05	22.53	22.57	22.55
		64	32	26.13	26.10	26.07	23.43	23.30	23.25	26.18	26.12	26.06	22.32	22.45	22.46
		128	0	26.08	26.04	26.11	23.35	23.16	23.14	26.07	26.04	25.97	22.24	22.33	22.33
	256QAM	1	0	24.18	**24.31**	24.11	21.57	21.50	21.39	24.30	24.21	24.17	20.51	20.58	20.58
		1	1	24.13	23.88	23.85	**21.61**	21.56	21.46	**24.31**	24.23	24.16	20.56	**20.61**	**20.61**
		1	131	23.90	24.05	24.16	21.35	21.29	21.30	24.10	24.00	23.97	20.49	20.49	20.48
		1	132	23.71	23.89	24.08	21.33	21.28	21.28	24.09	24.01	23.96	20.47	20.48	20.48
		64	32	24.05	24.03	23.99	21.43	21.38	21.30	24.12	24.04	24.01	20.47	20.48	20.50
		128	0	24.06	24.01	23.98	21.33	21.33	21.23	24.08	24.03	23.95	20.43	20.43	20.44

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OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632000	633332	634666	632000	633332	634666	632000	633332	634666	632000	633332	634666
				3480.0	3500.0	3520.0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0
60.0	BPSK	1	0	24.92	25.02	24.98	25.97	25.95	25.84	28.67	28.60	28.56	25.38	25.40	25.45
		1	1	28.53	28.53	**28.67**	**26.00**	25.96	25.83	**28.70**	28.66	28.62	25.39	25.40	**25.50**
		1	160	28.57	28.34	28.46	25.76	25.81	25.82	28.54	28.52	28.48	25.44	25.45	25.47
		1	161	24.86	24.88	24.95	25.76	25.80	25.79	28.48	28.47	28.44	25.44	25.44	25.45
		81	40	28.58	28.49	28.45	25.90	25.77	25.72	28.62	28.57	28.52	25.37	25.38	25.47
		162	0	27.98	27.97	27.99	25.78	25.69	25.63	28.54	28.47	28.44	25.29	25.28	25.38
	QPSK	1	0	25.80	25.75	25.55	25.78	25.74	25.65	28.27	28.21	28.16	25.16	25.16	25.24
		1	1	28.69	**28.70**	28.58	25.79	25.79	25.71	28.41	28.36	28.35	25.28	25.27	25.28
		1	160	28.55	28.53	28.53	25.62	25.66	25.70	28.29	28.27	28.27	25.32	25.34	25.32
		1	161	25.60	25.54	25.66	25.56	25.60	25.64	28.15	28.10	28.12	25.21	25.22	25.23
		81	40	28.51	28.60	28.54	**25.87**	25.75	25.69	**28.53**	28.51	28.47	25.33	25.36	**25.43**
		162	0	28.28	28.25	28.21	25.67	25.60	25.51	28.28	28.23	28.17	25.06	25.07	25.18
	16QAM	1	0	27.03	26.89	26.85	**25.43**	25.41	25.28	**28.13**	28.10	28.04	24.92	24.93	24.93
		1	1	26.89	27.05	26.92	24.35	24.31	24.22	23.92	23.88	23.83	23.52	23.51	23.55
		1	160	26.75	26.76	26.86	24.17	24.15	24.18	23.81	23.79	23.77	23.59	23.58	23.58
		1	161	26.61	26.94	26.85	25.19	25.26	25.24	27.98	27.94	27.92	25.00	**25.01**	**25.01**
		81	40	26.75	26.64	26.62	24.12	24.04	23.97	27.00	26.98	26.93	23.11	23.13	23.22
		162	0	**28.13**	28.08	28.04	25.03	24.90	24.86	27.76	27.76	27.65	24.59	24.62	24.70
	64QAM	1	0	25.25	25.23	25.34	23.65	23.60	23.49	**26.36**	26.28	26.24	22.59	22.60	22.65
		1	1	26.11	**26.36**	26.30	**23.66**	23.62	23.48	26.35	26.30	26.24	22.59	22.62	22.65
		1	160	26.26	26.02	26.14	23.50	23.47	23.48	26.19	26.17	26.15	22.65	**22.66**	**22.66**
		1	161	25.07	24.90	24.79	23.47	23.45	23.47	26.17	26.15	26.13	22.64	22.65	22.65
		81	40	26.05	25.92	26.08	23.41	23.33	23.25	26.22	26.19	26.10	22.44	22.54	22.53
		162	0	26.07	25.94	25.92	23.31	23.21	23.15	26.04	26.05	25.97	22.30	22.39	22.39
	256QAM	1	0	24.07	24.09	24.12	21.58	21.55	21.41	24.28	24.25	24.18	20.49	20.59	20.58
		1	1	24.28	24.21	24.26	**21.61**	21.59	21.55	**24.31**	24.25	24.20	20.55	20.58	**20.61**
		1	160	24.28	**24.31**	23.85	21.41	21.41	21.41	24.12	24.06	24.03	20.59	20.60	20.59
		1	161	24.20	24.23	24.10	21.41	21.39	21.39	24.11	24.05	24.02	20.59	20.59	20.59
		81	40	24.23	24.26	24.20	21.49	21.38	21.39	24.24	24.15	24.10	20.59	20.60	20.60
		162	0	24.22	24.20	24.25	21.34	21.28	21.28	24.07	24.01	23.97	20.46	-0.70	20.48

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632333	633332	634333	632333	633332	634333	632333	633332	634333	632333	633332	634333
				3485.0	3500.0	3515.0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0
70.0	BPSK	1	0	24.81	24.81	24.93	**26.00**	25.97	25.87	28.67	28.61	28.60	22.23	22.27	22.23
		1	1	28.55	28.58	**28.70**	25.98	25.95	25.87	**28.70**	28.62	28.61	25.36	25.41	**25.50**
		1	187	28.44	28.39	28.19	25.73	25.72	25.76	28.57	28.52	28.49	25.43	25.37	25.22
		1	188	24.86	24.76	24.68	25.74	25.74	25.75	28.51	28.51	28.46	21.94	22.03	22.07
		90	45	28.48	28.37	28.37	25.82	25.72	25.70	28.51	28.49	28.47	25.33	25.40	25.36
		180	0	28.02	27.86	27.94	25.71	25.66	25.62	28.44	28.40	28.37	25.18	25.20	25.17
	QPSK	1	0	25.80	25.55	25.89	25.78	25.76	25.70	28.28	28.17	28.16	22.72	22.73	22.63
		1	1	28.41	28.56	28.44	25.83	**25.87**	25.80	**28.44**	28.39	28.34	25.30	**25.48**	25.33
		1	187	**28.59**	28.33	28.22	25.65	25.69	25.72	28.35	28.36	28.29	25.39	25.39	25.40
		1	188	25.44	25.61	25.53	25.59	25.65	25.62	28.18	28.21	28.15	22.59	22.63	22.64
		90	45	28.54	28.53	28.41	25.76	25.67	25.62	28.43	28.40	28.36	25.43	25.41	25.35
		180	0	28.28	28.14	28.12	25.60	25.53	25.47	28.18	28.13	28.11	25.21	25.19	25.24
	16QAM	1	0	26.50	26.55	26.74	**25.43**	25.42	25.31	**28.13**	28.05	28.02	23.76	23.89	23.87
		1	1	26.88	27.05	27.01	24.35	24.30	24.25	24.04	23.99	23.95	23.97	23.97	24.12
		1	187	26.94	26.83	26.80	24.15	24.16	24.17	23.95	23.97	23.93	24.00	23.88	24.08
		1	188	26.47	26.51	26.65	25.18	25.21	25.20	27.98	27.97	27.95	23.83	23.74	23.54
		90	45	26.79	26.66	26.78	24.03	23.96	23.92	26.91	26.86	26.81	23.14	22.97	23.00
		180	0	**28.13**	28.00	27.96	24.91	24.84	24.80	27.67	27.61	27.60	24.97	**25.01**	24.97
	64QAM	1	0	24.85	25.20	25.18	23.65	23.62	23.55	26.34	26.32	26.28	21.50	21.29	21.39
		1	1	**26.36**	25.98	26.32	**23.66**	23.64	23.57	**26.36**	26.34	26.27	22.53	**22.66**	22.58
		1	187	25.69	25.92	25.74	23.44	23.48	23.45	26.26	26.24	26.24	22.55	22.35	22.55
		1	188	25.09	24.89	24.95	23.43	23.45	23.44	26.24	26.23	26.20	21.32	21.23	21.26
		90	45	25.93	25.88	25.87	23.38	23.37	23.29	26.15	26.11	26.16	22.35	22.31	22.32
		180	0	25.93	25.89	25.86	23.20	23.13	23.14	25.97	25.95	25.94	22.35	22.31	22.28
	256QAM	1	0	24.19	24.22	**24.31**	21.58	21.58	21.57	**24.31**	24.26	24.23	**20.61**	20.54	**20.61**
		1	1	24.03	24.12	23.83	21.60	**21.61**	21.56	24.29	24.27	24.24	20.54	20.49	20.47
		1	187	23.83	24.07	23.82	21.33	21.33	21.35	24.16	24.13	24.09	20.25	20.41	20.10
		1	188	24.07	23.92	23.87	21.33	21.34	21.31	24.14	24.12	24.06	20.32	20.01	20.21
		90	45	24.10	23.98	23.99	21.52	21.40	21.34	24.09	24.08	24.14	20.43	20.46	20.47
		180	0	24.12	24.03	24.09	21.38	21.27	21.24	23.97	23.92	24.00	20.51	20.50	20.47

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OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632666	633332	633998	632666	633332	633998	632666	633332	633998	632666	633332	633998
				3490.0	3500.0	3510.0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0
80.0	BPSK	1	0	24.99	25.06	24.93	**26.00**	25.98	25.94	28.66	28.62	28.61	22.10	22.21	22.18
		1	1	**28.70**	28.43	28.52	25.98	25.96	25.95	**28.70**	28.66	28.64	25.35	25.43	**25.50**
		1	215	28.34	28.35	28.38	25.79	25.81	25.79	28.60	28.59	28.54	25.30	**25.50**	25.23
		1	216	24.78	24.75	24.69	25.78	25.81	25.82	28.62	28.58	28.53	22.01	22.09	22.10
		108	54	28.53	28.45	28.53	25.80	25.75	25.74	28.59	28.56	28.53	25.41	25.39	25.43
		216	0	27.99	27.94	27.92	25.72	25.68	25.64	28.46	28.46	28.46	25.16	25.18	25.18
	QPSK	1	0	25.60	25.54	25.68	25.78	25.78	25.72	28.28	28.28	28.23	22.63	22.71	22.73
		1	1	28.49	28.39	**28.58**	**25.90**	25.86	25.83	28.44	28.43	28.36	25.34	25.34	**25.44**
		1	215	28.43	28.47	28.26	25.75	25.77	25.74	28.43	28.46	28.41	25.37	25.43	25.34
		1	216	25.74	25.51	25.64	25.65	25.67	25.66	28.23	28.27	28.24	22.74	22.70	22.59
		108	54	**28.58**	28.43	28.46	25.74	25.71	25.68	**28.48**	28.45	28.46	25.36	25.39	25.40
		216	0	28.16	28.19	28.28	25.54	25.52	25.48	28.20	28.18	28.18	25.21	25.22	25.24
	16QAM	1	0	26.84	26.75	26.87	**25.43**	**25.43**	25.37	**28.13**	28.07	28.04	23.73	23.69	23.85
		1	1	27.05	26.48	26.83	24.35	24.33	24.31	24.10	24.04	24.04	24.03	24.03	24.00
		1	215	26.67	26.52	26.98	24.20	24.20	24.21	24.01	24.01	24.04	24.03	24.02	24.01
		1	216	26.88	26.70	26.64	25.29	25.29	25.25	28.02	28.01	28.00	23.62	23.69	23.68
		108	54	26.76	26.70	26.79	24.01	23.97	23.93	26.87	26.84	26.85	23.11	23.18	23.17
		216	0	**28.13**	28.07	28.09	24.88	24.86	24.80	27.67	27.65	27.61	24.91	**25.01**	24.97
	64QAM	1	0	24.71	24.94	25.07	23.65	23.63	23.59	26.33	26.29	26.27	21.52	21.46	21.54
		1	1	26.23	26.12	26.20	23.64	**23.66**	23.62	**26.36**	26.30	26.30	22.64	22.53	**22.66**
		1	215	26.09	26.04	**26.36**	23.47	23.48	23.50	26.27	26.25	26.21	22.64	22.32	22.47
		1	216	24.85	25.26	24.86	23.46	23.46	23.49	26.25	26.25	26.21	21.26	21.48	21.69
		108	54	25.81	25.90	25.83	23.32	23.35	23.30	26.13	26.10	26.08	22.38	22.45	22.41
		216	0	25.87	25.84	25.90	23.16	23.18	23.09	25.93	25.91	25.88	22.34	22.39	22.35
	256QAM	1	0	23.92	24.12	24.02	21.58	**21.61**	21.53	**24.31**	24.27	24.25	20.36	20.50	20.27
		1	1	23.69	**24.31**	24.17	21.59	21.59	21.58	**24.31**	24.28	24.26	20.25	20.27	20.45
		1	215	23.82	23.63	23.78	21.36	21.37	21.39	24.20	24.20	24.15	20.37	20.59	20.52
		1	216	23.63	23.84	24.03	21.36	21.37	21.40	24.19	24.21	24.15	20.31	**20.61**	20.19
		108	54	24.02	24.01	23.96	21.49	21.39	21.33	24.18	24.14	24.18	20.50	20.51	20.48
		216	0	24.07	24.02	23.97	21.30	21.26	21.23	23.99	23.95	24.03	20.44	20.50	20.51

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				633000	633332	633666	633000	633332	633666	633000	633332	633666	633000	633332	633666
				3495.0	3500.0	3505.0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0
90.0	BPSK	1	0	24.82	25.00	24.96	25.97	25.96	25.96	28.66	28.66	28.59	22.08	22.09	21.87
		1	1	28.50	**28.70**	28.31	**26.00**	25.95	25.98	**28.70**	28.67	28.65	25.38	25.27	25.08
		1	243	28.42	28.47	28.56	25.87	25.88	25.88	28.63	28.60	28.59	**25.44**	25.33	25.27
		1	244	24.80	24.86	24.83	25.85	25.87	25.88	28.63	28.63	28.62	22.09	22.04	22.02
		120	60	28.57	28.52	28.43	25.79	25.79	25.80	28.57	28.55	28.54	25.29	25.37	25.26
		243	0	27.94	27.97	27.95	25.66	25.63	25.62	28.39	28.38	28.35	25.11	25.12	25.03
	QPSK	1	0	25.86	25.60	25.60	25.78	25.78	25.77	28.28	28.26	28.24	22.44	22.64	22.52
		1	1	**28.65**	28.35	28.37	**25.87**	**25.87**	25.84	28.43	28.38	28.39	25.26	25.27	25.13
		1	243	28.60	28.30	28.29	25.79	25.80	25.80	28.42	28.41	28.41	25.37	**25.50**	25.25
		1	244	25.63	25.89	25.81	25.72	25.72	25.71	28.26	28.25	28.25	22.63	22.62	22.59
		120	60	28.45	28.46	28.41	25.73	25.71	25.68	**28.47**	28.46	28.43	25.28	25.39	25.29
		243	0	28.28	28.21	28.23	25.44	25.43	25.43	28.08	28.07	28.06	25.24	25.24	25.15
	16QAM	1	0	26.94	27.19	27.00	25.41	25.42	**25.43**	**28.13**	28.10	28.11	23.62	23.77	23.47
		1	1	27.05	26.79	26.96	24.35	24.33	24.34	24.15	24.13	24.13	23.89	23.98	24.03
		1	243	26.87	26.97	26.81	24.27	24.26	24.27	24.16	24.12	24.13	24.07	24.03	23.90
		1	244	26.68	26.59	26.65	25.33	25.34	25.35	28.11	28.08	28.09	23.56	23.78	23.67
		120	60	26.95	26.80	26.76	23.98	23.96	23.96	26.88	26.87	26.85	23.18	23.10	23.00
		243	0	28.11	28.11	**28.13**	24.79	24.76	24.74	27.60	27.56	27.58	**25.01**	24.90	24.85
	64QAM	1	0	25.09	24.96	24.78	23.62	23.61	23.63	26.33	26.34	26.30	21.32	21.46	21.55
		1	1	26.24	26.17	25.90	**23.66**	23.63	23.62	**26.36**	26.33	26.30	22.08	22.63	22.12
		1	243	25.61	**26.36**	25.97	23.57	23.57	23.55	26.31	26.32	26.30	22.46	22.17	**22.66**
		1	244	24.94	25.40	25.25	23.56	23.55	23.54	26.31	26.31	26.29	21.40	21.40	21.37
		120	60	26.04	25.95	26.03	23.28	23.32	23.33	26.10	26.12	26.10	22.37	22.21	22.20
		243	0	26.04	26.01	25.93	23.05	23.09	23.08	25.87	25.82	25.85	22.29	22.24	22.26
	256QAM	1	0	24.02	24.02	24.28	21.57	21.53	21.53	**24.31**	24.30	24.28	20.47	**20.61**	20.51
		1	1	23.95	23.79	24.09	21.52	21.54	**21.61**	24.29	24.30	24.25	20.38	20.39	20.22
		1	243	23.76	23.94	**24.31**	21.40	21.43	21.40	24.24	24.24	24.20	20.39	20.52	20.60
		1	244	23.90	23.71	23.69	21.39	21.42	21.40	24.23	24.25	24.23	20.60	20.37	20.40
		120	60	24.00	23.97	24.01	21.43	21.37	21.38	24.17	24.19	24.14	20.59	20.51	20.55
		243	0	23.93	23.94	23.92	21.16	21.14	21.13	23.86	23.91	23.85	20.55	20.37	20.42

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OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				N/A	633332	N/A	N/A	633332	N/A	N/A	633332	N/A	N/A	633332	N/A
				N/A	3500.0	N/A	N/A	3500.0	N/A	N/A	3500.0	N/A	N/A	3500.0	N/A
100.0	BPSK	1	0		25.17			**26.00**			28.67			22.21	
		1	1		28.38			**26.00**			**28.70**			25.35	
		1	271		28.45			25.91			28.65			**25.50**	
		1	272		25.01			25.91			28.66			22.11	
		135	67		**28.57**			25.82			28.58			25.35	
		270	0		28.00			25.66			28.42			25.14	
	QPSK	1	0		25.90			25.78			28.26			22.85	
		1	1		28.45			**25.93**			28.46			25.21	
		1	271		**28.70**			25.86			28.48			**25.45**	
		1	272		25.64			25.69			28.28			22.58	
		135	67		28.58			25.76			**28.51**			25.36	
		270	0		28.28			25.40			28.06			25.24	
	16QAM	1	0		27.16			**25.43**			**28.13**			23.71	
		1	1		26.61			24.35			24.18			24.22	
		1	271		27.05			24.30			24.21			23.95	
		1	272		26.93			25.36			28.10			23.64	
		135	67		26.88			24.04			26.88			22.95	
		270	0		**28.13**			24.75			27.54			**25.01**	
	64QAM	1	0		25.21			**23.66**			26.35			21.24	
		1	1		**26.36**			**23.66**			**26.36**			22.33	
		1	271		25.92			23.60			26.34			**22.66**	
		1	272		24.93			23.60			26.32			21.64	
		135	67		26.06			23.38			26.10			22.60	
		270	0		25.88			23.05			25.83			22.43	
	256QAM	1	0		24.13			21.56			**24.31**			20.38	
		1	1		24.24			**21.61**			**24.31**			20.38	
		1	271		24.03			21.44			24.25			20.42	
		1	272		**24.31**			21.45			24.25			20.52	
		135	67		24.27			21.38			24.10			**20.61**	
		270	0		24.23			21.12			23.85			20.53	

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8.17. 5G NR n77 (FCC Part 27 3700-3980MHz)

Test Engineer ID:	12482	Test Date:	4/19/2022

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647000	656000	665000	647000	656000	665000	647000	656000	665000	647000	656000	665000
				3705.0	3840.0	3975.0	3705.0	3840.0	3975.0	3705.0	3840.0	3975.0	3705.0	3840.0	3975.0
10.0	BPSK	1	0	25.10	24.83	24.96	22.52	22.65	22.24	25.36	25.34	24.74	22.21	21.88	21.74
		1	1	**28.64**	28.43	28.55	25.83	**26.00**	25.43	**28.70**	28.57	28.01	**25.50**	25.05	24.97
		1	22	28.60	28.48	28.56	25.83	25.93	25.53	28.58	28.61	28.04	25.43	24.98	25.04
		1	23	25.04	24.93	24.89	22.50	22.65	22.29	25.37	25.26	24.73	22.11	21.78	21.75
		12	6	28.54	28.45	28.51	25.85	25.87	25.49	28.67	28.57	27.98	25.44	25.10	24.97
		24	0	28.09	27.96	28.04	25.69	25.60	25.30	28.46	28.36	27.70	25.28	24.89	24.85
	QPSK	1	0	25.67	25.54	25.59	23.32	23.31	22.86	25.91	25.75	25.22	22.75	22.35	22.34
		1	1	28.69	28.51	28.53	25.88	25.88	25.47	28.54	28.59	27.96	**25.47**	25.06	25.05
		1	22	**28.70**	28.46	28.50	**25.89**	25.81	25.54	28.50	28.54	27.96	25.42	25.04	25.04
		1	23	25.59	25.48	25.50	23.31	23.27	22.82	25.73	25.63	25.10	22.66	22.26	22.23
		12	6	28.51	28.51	28.54	25.86	25.83	25.32	28.05	**28.60**	27.97	25.41	25.06	25.00
		24	0	28.28	28.01	28.14	25.78	25.75	25.01	27.77	28.28	27.64	25.24	24.86	24.86
	16QAM	1	0	26.49	26.49	26.58	24.14	24.06	23.77	26.62	26.69	26.16	23.23	23.52	23.32
		1	1	26.80	26.74	26.83	24.34	24.30	23.95	26.67	27.22	26.59	23.22	23.36	23.29
		1	22	26.67	26.80	27.05	24.23	24.35	23.75	26.42	27.13	26.54	23.34	23.28	23.23
		1	23	26.56	26.60	26.62	24.27	24.05	23.71	26.56	26.69	26.13	23.24	23.51	23.30
		12	6	26.80	26.60	26.63	24.19	24.26	23.55	26.13	26.76	26.32	23.35	23.06	22.94
		24	0	**28.13**	27.87	27.91	**25.43**	25.25	24.79	27.63	**28.13**	27.59	**25.01**	24.79	24.70
	64QAM	1	0	25.20	25.18	25.29	22.61	22.53	22.12	25.41	25.27	24.83	21.59	21.39	21.32
		1	1	**26.36**	26.11	26.25	23.44	23.55	23.08	25.99	26.20	25.80	**22.66**	22.23	22.19
		1	22	**26.36**	26.10	26.15	**23.66**	23.41	23.12	25.99	**26.36**	25.52	22.63	22.34	22.17
		1	23	25.56	25.17	25.25	22.63	22.46	21.93	25.29	25.40	24.77	21.62	21.34	21.28
		12	6	26.14	26.00	25.99	23.33	23.28	22.65	25.72	26.27	25.64	22.44	22.30	22.03
		24	0	26.22	26.00	25.97	23.40	23.30	22.67	25.63	26.27	25.62	22.47	22.15	22.10
	256QAM	1	0	24.28	24.08	24.08	21.50	**21.61**	20.97	24.16	24.10	23.48	20.57	20.22	20.14
		1	1	**24.31**	23.81	23.99	21.57	21.50	21.09	24.21	**24.31**	23.56	**20.61**	20.36	20.22
		1	22	24.27	23.90	23.92	21.60	21.49	21.14	24.11	24.02	23.45	20.58	20.15	20.02
		1	23	**24.31**	23.94	23.79	21.20	21.49	20.99	24.11	24.23	23.49	20.60	20.11	20.09
		12	6	**24.31**	23.99	23.89	21.54	21.58	21.02	24.07	24.21	23.42	20.46	20.19	20.07
		24	0	24.25	24.01	23.95	**21.61**	21.49	21.02	24.08	24.20	23.38	20.44	20.14	20.07

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				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	25.04	24.73	24.52	22.58	22.48	21.86	25.28	25.15	24.34	22.09	21.49	21.41
		1	1	**28.67**	28.44	28.13	**26.00**	25.79	25.11	**28.70**	28.45	27.65	**25.50**	24.83	24.64
		1	36	28.44	28.39	28.04	25.92	25.61	25.14	28.62	28.18	27.57	25.37	24.79	24.59
		1	37	24.96	24.77	24.57	22.65	22.44	21.85	25.30	25.09	24.30	22.05	21.43	21.34
		18	9	28.55	28.31	28.02	25.84	25.66	25.07	28.56	28.37	27.57	25.39	24.77	24.51
		36	0	28.00	27.81	27.49	25.76	25.52	24.87	28.33	28.18	27.33	25.12	24.56	24.33
	QPSK	1	0	25.87	25.49	25.26	23.38	23.15	22.53	26.07	25.88	25.07	22.79	22.20	22.05
		1	1	**28.70**	28.37	28.14	25.92	25.81	25.13	28.23	**28.52**	27.66	**25.42**	24.88	24.60
		1	36	28.50	28.33	28.02	**25.98**	25.66	25.19	28.18	28.36	27.57	25.30	24.77	24.57
		1	37	25.73	25.59	25.31	23.35	23.10	22.60	25.89	25.70	25.08	22.66	22.09	22.01
		18	9	28.51	28.41	27.87	25.96	25.72	24.70	27.79	28.39	27.53	25.30	24.75	24.58
		36	0	28.28	28.06	27.72	25.78	25.57	24.45	27.73	28.28	27.50	25.24	24.81	24.47
	16QAM	1	0	26.85	26.52	26.25	24.15	23.99	23.23	26.92	27.06	26.13	23.68	23.65	23.25
		1	1	27.05	26.87	26.46	24.24	24.35	23.19	26.35	27.12	26.47	23.52	23.47	23.02
		1	36	26.91	26.67	26.54	24.30	24.28	23.06	26.38	27.12	26.42	23.21	23.23	22.88
		1	37	26.79	26.56	26.34	24.27	23.87	23.47	26.83	27.06	26.22	23.42	23.71	23.29
		18	9	26.78	26.57	26.21	24.05	23.91	22.86	26.16	26.58	26.07	23.03	22.87	22.64
		36	0	**28.13**	27.94	27.52	**25.43**	25.21	24.11	27.70	**28.13**	27.41	**25.01**	24.84	24.55
	64QAM	1	0	25.59	25.04	25.07	22.71	22.36	21.68	25.63	25.26	24.61	21.53	21.16	21.19
		1	1	**26.36**	26.20	26.04	**23.66**	23.55	22.44	25.99	**26.36**	25.62	**22.66**	22.32	22.13
		1	36	26.33	26.12	25.99	23.53	23.44	22.30	26.01	26.08	25.63	22.55	22.27	22.12
		1	37	25.19	24.89	24.79	22.70	22.45	21.84	25.36	25.20	24.40	21.25	21.21	21.13
		18	9	26.15	25.93	25.62	23.29	23.09	22.09	25.55	25.96	25.30	22.27	22.04	21.79
		36	0	26.22	26.01	25.67	23.41	23.21	22.24	25.59	26.06	25.36	22.16	22.05	21.82
	256QAM	1	0	**24.31**	23.96	23.81	20.81	21.12	20.51	24.05	23.89	23.04	20.50	20.22	20.18
		1	1	23.97	23.94	23.70	**21.61**	21.23	20.49	24.11	24.03	23.19	20.49	20.21	20.08
		1	36	23.93	23.89	23.49	21.45	21.13	20.48	**24.31**	23.87	23.14	**20.61**	20.25	20.07
		1	37	24.04	24.01	23.60	21.57	21.13	20.38	23.99	23.88	23.08	20.44	20.20	20.01
		18	9	24.03	23.78	23.54	21.22	21.08	20.41	23.91	23.89	23.04	20.48	20.28	20.07
		36	0	24.10	23.81	23.67	21.34	21.20	20.50	24.08	23.88	23.02	20.51	20.28	20.08

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OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647333	656000	664666	647333	656000	664666	647333	656000	664666	647333	656000	664666
				3710.0	3840.0	3970.0	3710.0	3840.0	3970.0	3710.0	3840.0	3970.0	3710.0	3840.0	3970.0
20.0	BPSK	1	0	25.00	24.83	24.44	22.94	22.87	22.85	25.39	25.06	24.21	22.28	21.94	21.82
		1	1	**28.70**	28.49	28.02	25.91	25.86	25.87	**28.70**	28.34	27.53	**25.50**	25.24	24.89
		1	49	28.53	28.42	28.00	25.90	25.84	25.83	28.50	27.91	27.42	25.46	25.09	24.78
		1	50	24.83	24.70	24.52	22.94	22.84	22.75	25.21	24.97	24.18	21.95	21.84	21.60
		25	12	28.55	28.43	28.00	**26.00**	25.94	25.86	28.50	28.31	27.44	25.42	25.14	24.83
		50	0	28.01	27.90	27.48	25.85	25.76	25.62	28.23	28.12	27.20	25.24	24.92	24.57
	QPSK	1	0	25.75	25.50	25.19	23.43	23.34	23.37	26.00	25.80	24.90	22.84	22.51	22.19
		1	1	**28.64**	28.42	28.04	25.63	25.62	25.52	28.40	**28.43**	27.49	**25.49**	25.31	24.96
		1	49	28.53	28.42	28.07	25.67	25.62	25.52	28.37	28.23	27.39	25.45	25.16	24.83
		1	50	25.61	25.50	25.25	23.44	23.33	23.26	25.92	25.61	24.88	22.70	22.34	22.21
		25	12	28.51	28.44	27.85	**25.86**	25.81	25.68	27.88	28.19	27.38	25.38	25.14	24.79
		50	0	28.28	28.13	27.64	25.78	25.74	25.60	27.78	28.28	27.37	25.24	24.97	24.68
	16QAM	1	0	27.23	26.80	26.37	24.24	24.13	24.09	27.18	26.95	26.13	23.85	23.57	23.21
		1	1	27.05	26.69	26.51	24.33	24.31	24.20	26.57	27.24	26.34	24.34	23.89	23.74
		1	49	26.70	26.83	26.27	24.35	24.27	24.20	26.66	27.10	26.21	24.14	23.70	23.59
		1	50	26.84	26.81	26.55	24.23	24.11	23.97	27.13	26.86	25.95	23.58	23.35	23.28
		25	12	26.64	26.50	26.14	24.26	24.21	24.03	26.16	26.61	25.80	22.95	22.62	22.23
		50	0	**28.13**	27.99	27.72	**25.43**	25.31	25.26	27.80	**28.13**	27.35	**25.01**	24.67	24.41
	64QAM	1	0	25.33	25.19	24.94	22.74	22.64	22.56	25.75	25.56	24.60	21.46	21.46	20.92
		1	1	26.27	26.33	26.00	**23.66**	23.57	23.49	26.13	**26.36**	25.63	**22.66**	22.27	22.09
		1	49	26.24	**26.36**	25.81	**23.66**	23.56	23.44	26.10	26.22	25.67	22.65	22.13	21.91
		1	50	25.18	25.16	24.94	22.75	22.62	22.50	25.72	25.53	24.43	21.72	21.37	21.00
		25	12	26.09	26.01	25.67	23.48	23.45	23.31	25.76	26.20	25.50	22.51	22.06	21.90
		50	0	26.04	25.89	25.70	23.54	23.46	23.27	25.77	26.32	25.44	22.43	22.14	21.87
	256QAM	1	0	**24.31**	23.97	23.48	21.56	21.44	21.38	24.21	24.12	23.30	**20.61**	20.12	19.66
		1	1	23.97	24.12	23.60	21.53	21.46	21.36	24.09	24.06	23.49	20.34	20.25	19.88
		1	49	23.91	23.81	23.61	21.52	21.40	21.27	24.14	24.09	23.23	20.44	19.92	19.64
		1	50	23.92	23.95	23.57	21.52	21.38	21.30	**24.31**	24.04	23.04	20.56	19.81	19.88
		25	12	24.06	23.94	23.55	**21.61**	21.48	21.37	24.28	24.08	23.22	20.35	19.99	19.73
		50	0	24.02	24.01	23.52	21.45	21.40	21.29	24.23	24.12	23.34	20.39	20.04	19.81

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647666	656000	664333	647666	656000	664333	647666	656000	664333	647666	656000	664333
				3715.0	3840.0	3965.0	3715.0	3840.0	3965.0	3715.0	3840.0	3965.0	3715.0	3840.0	3965.0
30.0	BPSK	1	0	24.34	25.02	24.60	22.96	22.86	22.91	25.18	25.36	24.36	21.92	21.90	21.42
		1	1	27.95	28.62	28.11	25.89	25.87	25.90	28.53	28.50	27.63	25.23	25.25	24.56
		1	76	27.91	**28.65**	28.18	25.90	25.85	25.82	**28.70**	28.20	27.32	**25.50**	25.00	24.43
		1	77	24.43	25.07	24.67	22.89	22.81	22.77	25.38	25.13	24.10	22.21	21.74	21.11
		36	18	27.97	28.60	28.09	**26.00**	25.92	25.88	28.57	28.61	27.44	25.32	25.16	24.50
		75	0	27.35	28.12	27.58	25.82	25.75	25.63	28.28	28.43	27.23	25.12	24.93	24.24
	QPSK	1	0	24.94	25.72	25.25	23.51	23.49	23.46	26.01	26.14	25.06	22.70	22.65	22.04
		1	1	27.97	**28.70**	28.22	25.71	25.70	25.65	27.99	**28.64**	27.62	25.26	25.17	24.62
		1	76	27.89	28.61	28.12	25.69	25.66	25.59	28.28	28.47	27.40	**25.45**	24.96	24.41
		1	77	25.02	25.62	25.21	23.52	23.51	23.35	26.21	25.97	24.86	22.86	22.50	21.82
		36	18	27.65	28.64	27.88	**25.81**	25.78	25.72	27.56	28.26	27.42	25.26	25.07	24.42
		75	0	27.41	28.28	27.70	25.78	25.74	25.67	27.79	28.28	27.44	25.24	25.11	24.39
	16QAM	1	0	26.03	26.97	26.26	24.23	24.17	24.25	26.65	26.99	25.82	23.58	23.60	23.09
		1	1	26.05	27.05	26.44	24.34	24.34	24.34	27.25	27.73	27.04	24.89	24.63	24.26
		1	76	26.12	26.97	26.34	24.35	24.30	24.29	27.63	27.57	26.57	**25.16**	24.56	24.00
		1	77	26.09	26.76	26.26	24.18	24.20	24.08	27.04	26.56	25.60	23.64	23.21	22.73
		36	18	25.93	26.67	26.07	24.19	24.17	24.14	26.30	27.01	26.00	22.90	22.58	22.04
		75	0	27.36	**28.13**	27.53	**25.43**	25.36	25.29	27.43	**28.13**	27.06	25.01	24.78	24.12
	64QAM	1	0	24.49	25.29	24.87	22.76	22.68	22.74	25.29	25.47	24.71	21.01	21.30	20.69
		1	1	25.43	**26.36**	25.80	23.64	23.61	23.63	25.58	**26.36**	25.56	**22.66**	21.93	21.68
		1	76	25.53	26.33	25.38	**23.66**	23.62	23.51	25.70	26.24	25.38	22.31	22.14	21.55
		1	77	24.49	24.99	24.79	22.71	22.70	22.57	25.63	25.20	24.41	21.37	21.13	20.56
		36	18	25.24	25.90	25.49	23.55	23.48	23.43	25.53	26.29	25.21	22.17	21.93	21.40
		75	0	25.23	25.99	25.48	23.53	23.45	23.41	25.66	26.32	25.23	22.24	22.04	21.47
	256QAM	1	0	24.17	23.99	23.67	21.54	21.52	21.57	23.66	24.14	23.05	20.38	20.33	19.91
		1	1	23.98	23.96	23.77	**21.61**	21.51	21.58	23.56	24.03	23.13	20.57	20.04	19.83
		1	76	24.12	**24.31**	23.53	21.57	21.53	21.40	23.90	23.78	23.12	20.49	19.96	19.67
		1	77	23.75	24.13	23.53	21.58	21.51	21.38	**24.31**	23.95	23.19	**20.61**	20.28	19.54
		36	18	24.04	24.03	23.62	21.58	21.50	21.51	24.05	24.04	22.96	20.47	20.31	19.66
		75	0	24.05	24.11	23.56	21.51	21.44	21.42	24.04	24.03	22.98	20.45	20.15	19.66

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OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
				3720.0	3840.0	3960.0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0
40.0	BPSK	1	0	24.94	24.96	24.63	23.04	23.00	22.95	25.22	25.44	24.30	22.06	21.99	21.38
		1	1	28.68	**28.70**	28.10	25.89	25.84	25.94	28.53	28.01	27.49	**25.39**	25.25	24.72
		1	104	28.28	28.63	28.35	25.82	25.79	25.88	**28.70**	27.66	27.23	25.36	24.77	24.47
		1	105	24.79	24.99	24.62	22.94	22.90	22.85	25.35	25.02	23.95	22.11	21.47	21.18
		50	25	28.42	28.55	28.13	**26.00**	25.93	25.87	28.32	28.45	27.33	25.32	24.97	24.46
		100	0	27.91	28.09	27.59	25.80	25.75	25.68	28.22	28.21	27.14	25.05	24.77	24.28
	QPSK	1	0	25.63	25.83	25.36	23.62	23.55	23.49	26.19	26.24	25.23	22.81	22.65	21.98
		1	1	28.59	**28.64**	28.11	25.66	25.60	25.59	27.99	**28.69**	27.66	**25.50**	25.28	24.72
		1	104	28.36	28.62	28.32	25.61	25.60	25.54	28.23	28.08	27.32	25.48	24.76	24.43
		1	105	25.43	25.71	25.42	23.51	23.44	23.42	26.25	25.97	24.89	22.90	22.03	21.76
		50	25	28.19	28.57	28.06	**25.87**	25.79	25.79	27.68	28.03	27.10	25.29	24.96	24.38
		100	0	28.00	28.28	27.79	25.78	25.70	25.68	27.66	28.28	27.37	25.24	24.88	24.42
	16QAM	1	0	26.88	27.14	26.31	24.40	24.24	24.27	27.15	27.22	26.07	23.73	23.63	23.05
		1	1	26.79	27.03	26.59	24.35	24.28	24.31	26.92	27.88	26.79	24.96	24.64	24.18
		1	104	26.45	27.05	26.53	24.29	24.24	24.23	27.17	27.27	26.37	24.88	23.91	23.99
		1	105	26.65	26.96	26.34	24.30	24.17	24.25	27.10	26.84	25.64	23.60	23.15	23.23
		50	25	26.62	26.82	26.28	24.24	24.20	24.15	26.42	26.68	25.93	22.96	22.61	22.11
		100	0	27.92	**28.13**	27.64	**25.43**	25.38	25.33	27.72	**28.13**	27.20	**25.01**	24.64	24.20
	64QAM	1	0	25.25	25.33	24.97	22.76	22.65	22.64	25.19	25.54	24.34	21.55	21.12	20.90
		1	1	26.32	**26.36**	25.84	**23.66**	23.54	23.58	25.56	**26.36**	25.60	22.31	22.58	21.42
		1	104	26.05	26.06	25.93	23.57	23.49	23.54	25.89	25.78	25.56	**22.66**	21.69	21.19
		1	105	24.73	25.27	24.82	22.67	22.65	22.57	25.65	24.79	24.25	21.15	20.74	20.27
		50	25	25.74	25.98	25.49	23.49	23.39	23.38	25.55	25.97	24.91	22.01	21.71	21.22
		100	0	25.76	26.04	25.55	23.42	23.35	23.35	25.63	26.00	25.04	22.02	21.70	21.27
	256QAM	1	0	**24.31**	24.15	23.73	**21.61**	21.53	21.53	23.98	24.17	23.39	20.43	20.27	19.79
		1	1	23.88	24.02	23.46	21.58	21.55	21.53	24.02	24.27	23.26	20.37	20.25	19.86
		1	104	23.83	24.26	23.62	21.46	21.44	21.40	24.22	23.85	22.66	20.37	19.44	19.70
		1	105	24.05	24.20	23.71	21.48	21.43	21.39	**24.31**	23.93	22.78	**20.61**	19.92	19.44
		50	25	24.03	24.09	23.62	21.37	21.33	21.32	24.06	24.04	22.94	20.30	20.00	19.64
		100	0	24.01	24.19	23.74	21.36	21.32	21.33	24.14	24.04	22.98	20.38	19.98	19.64

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648333	656000	663666	648333	656000	663666	648333	656000	663666	648333	656000	663666
				3725.0	3840.0	3955.0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0
50.0	BPSK	1	0	24.85	25.07	24.39	23.02	22.90	22.90	25.15	25.20	24.49	22.11	21.82	21.70
		1	1	28.36	**28.54**	28.04	25.93	25.88	**26.00**	28.54	28.56	27.68	25.32	25.17	24.91
		1	131	28.12	28.48	28.44	25.83	25.93	25.89	**28.70**	27.88	27.47	**25.50**	24.83	24.49
		1	132	24.42	25.02	24.68	22.83	22.91	22.74	25.23	25.03	24.07	22.18	21.55	21.17
		64	32	28.44	**28.54**	28.16	**26.00**	25.98	25.93	28.57	28.57	27.50	25.48	25.07	24.58
		128	0	27.89	27.98	27.67	25.73	25.70	25.69	28.44	28.29	27.27	25.13	24.82	24.32
	QPSK	1	0	25.72	25.76	25.25	23.57	23.56	23.58	25.84	26.07	24.99	22.70	22.56	22.10
		1	1	28.57	**28.70**	28.25	25.66	25.62	25.68	28.40	**28.62**	27.77	25.41	25.20	24.73
		1	131	28.08	28.51	28.29	25.59	25.66	25.59	28.34	28.32	27.40	**25.43**	24.78	24.62
		1	132	25.17	25.79	25.43	23.39	23.51	23.35	25.86	25.69	24.66	22.60	22.20	21.71
		64	32	28.26	28.53	28.11	**25.88**	25.87	25.87	28.08	28.33	27.43	25.42	25.07	24.58
		128	0	28.07	28.28	27.85	25.78	25.75	25.73	27.96	28.28	27.36	25.24	24.90	24.38
	16QAM	1	0	26.80	26.85	26.38	24.29	24.29	24.30	26.61	26.62	25.88	23.54	23.79	23.09
		1	1	26.99	27.05	26.46	24.30	24.30	24.35	27.12	28.07	27.08	24.45	24.69	24.18
		1	131	25.96	26.68	26.56	24.20	24.34	24.24	27.81	27.42	26.69	24.61	24.04	23.91
		1	132	26.44	26.81	26.59	24.16	24.28	24.16	26.72	26.61	25.49	23.53	23.34	22.89
		64	32	26.57	26.67	26.27	24.21	24.20	24.19	26.18	26.50	25.71	23.18	22.84	22.39
		128	0	28.04	**28.13**	27.73	**25.43**	25.31	25.33	27.80	**28.13**	27.22	**25.01**	24.68	24.20
	64QAM	1	0	25.05	25.02	24.98	22.76	22.62	22.66	25.32	25.27	24.49	21.47	21.25	20.89
		1	1	**26.36**	26.21	25.83	**23.66**	23.52	23.58	25.52	**26.36**	25.35	22.23	22.05	21.96
		1	131	25.56	26.10	25.56	23.47	23.55	23.43	26.27	26.24	25.38	**22.66**	22.00	21.74
		1	132	24.57	25.29	25.05	22.56	22.65	22.49	25.75	24.70	23.90	21.49	20.85	20.58
		64	32	25.95	26.08	25.69	23.52	23.40	23.39	25.73	26.02	24.98	22.22	21.98	21.46
		128	0	25.92	25.97	25.60	23.37	23.33	23.29	25.77	25.98	25.06	22.22	21.87	21.46
	256QAM	1	0	24.23	**24.31**	23.58	21.57	21.44	21.46	23.42	23.99	23.18	20.53	20.08	19.77
		1	1	24.25	23.97	23.71	**21.61**	21.45	21.49	23.55	**24.31**	23.16	20.38	20.24	19.91
		1	131	23.60	23.98	23.70	21.45	21.48	21.29	24.16	23.75	22.88	**20.61**	19.86	19.60
		1	132	23.52	24.20	23.69	21.45	21.46	21.28	24.10	23.71	22.92	20.37	19.62	19.24
		64	32	24.10	24.25	23.69	21.55	21.41	21.30	24.20	24.05	23.03	20.40	20.22	19.63
		128	0	24.05	24.17	23.76	21.44	21.28	21.25	24.07	23.95	23.04	20.47	20.15	19.66

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OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648666	656000	663333	648666	656000	663333	648666	656000	663333	648666	656000	663333
				3730.0	3840.0	3950.0	3730.0	3840.0	3950.0	3730.0	3840.0	3950.0	3730.0	3840.0	3950.0
60.0	BPSK	1	0	25.11	25.05	24.68	23.03	22.80	22.70	25.12	25.31	24.46	22.24	22.05	21.41
		1	1	28.58	28.58	28.26	25.89	25.82	25.78	28.49	28.34	27.40	25.47	25.41	24.71
		1	160	28.12	28.45	28.07	25.84	25.88	25.62	28.55	27.53	26.76	**25.50**	24.74	24.35
		1	161	24.53	24.97	24.48	22.89	22.83	22.47	25.34	24.77	24.03	22.19	21.38	20.87
		81	40	28.47	**28.63**	28.17	**26.00**	25.94	25.72	**28.62**	28.47	27.69	25.41	25.14	24.47
		162	0	27.94	28.05	27.74	25.75	25.68	25.45	28.39	28.23	27.45	25.20	24.89	24.27
	QPSK	1	0	25.87	25.73	25.27	23.63	23.51	23.37	25.77	25.90	25.16	22.72	22.63	22.06
		1	1	28.62	28.53	28.25	25.64	25.62	25.53	28.48	**28.70**	27.96	**25.47**	25.41	24.85
		1	160	28.06	28.55	28.25	25.62	25.71	25.40	28.63	28.19	27.49	25.45	24.78	24.47
		1	161	25.16	25.65	25.25	23.52	23.52	23.12	25.73	25.32	24.73	22.76	22.04	21.57
		81	40	28.20	**28.70**	28.12	**25.87**	25.85	25.65	28.04	28.31	27.32	25.41	25.10	24.47
		162	0	28.08	28.28	27.88	25.78	25.75	25.54	28.10	28.28	27.46	25.24	24.94	24.33
	16QAM	1	0	26.89	26.90	26.25	24.46	24.26	24.19	27.12	27.07	26.25	23.91	23.73	23.15
		1	1	26.69	26.61	26.65	24.33	24.26	24.24	27.39	27.94	26.89	24.80	24.73	24.12
		1	160	26.44	27.05	26.20	24.28	24.35	24.09	27.63	27.60	26.88	24.87	24.11	23.59
		1	161	26.13	26.89	26.37	24.32	24.32	23.97	26.98	26.43	25.65	23.85	23.19	22.08
		81	40	26.32	26.48	26.09	24.25	24.24	24.04	26.27	26.53	25.61	23.08	22.75	22.09
		162	0	27.96	**28.13**	27.74	**25.43**	25.40	25.18	28.06	**28.13**	27.35	**25.01**	24.64	24.11
	64QAM	1	0	25.21	25.33	24.51	22.78	22.59	22.52	25.31	25.18	24.43	21.57	21.55	20.65
		1	1	26.32	**26.36**	25.76	**23.66**	23.50	23.42	26.20	**26.36**	25.52	**22.66**	22.43	21.71
		1	160	25.69	25.98	25.77	23.57	23.59	23.23	26.02	25.69	25.03	22.60	22.02	21.20
		1	161	24.45	25.36	24.82	22.64	22.64	22.26	25.06	24.66	23.68	21.58	21.14	20.29
		81	40	25.83	26.07	25.61	23.49	23.45	23.21	25.90	25.97	25.06	22.26	21.93	21.35
		162	0	25.87	26.03	25.65	23.36	23.33	23.08	26.00	26.01	25.14	22.30	21.98	21.33
	256QAM	1	0	23.91	24.00	23.78	21.58	21.35	21.25	24.20	**24.31**	23.63	**20.61**	20.28	19.59
		1	1	24.10	24.01	23.68	**21.61**	21.41	21.28	24.14	24.27	23.45	20.56	20.17	19.64
		1	160	23.71	24.22	23.79	21.44	21.42	21.02	24.15	23.53	23.19	20.43	19.83	19.25
		1	161	23.84	23.72	23.70	21.43	21.41	21.01	24.03	23.74	23.14	20.42	19.73	19.25
		81	40	24.04	**24.31**	23.88	21.44	21.41	21.12	24.22	24.05	23.36	20.39	20.13	19.44
		162	0	24.05	24.21	23.92	21.30	21.26	20.99	24.21	24.02	23.32	20.43	20.15	19.43

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649000	656000	663000	649000	656000	663000	649000	656000	663000	649000	656000	663000
				3735.0	3840.0	3945.0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0
70.0	BPSK	1	0	25.09	24.95	24.77	22.99	22.91	22.80	25.09	25.29	24.54	22.09	22.03	21.60
		1	1	28.58	28.43	28.17	**26.00**	25.87	25.83	28.41	**28.58**	27.51	25.19	25.28	24.14
		1	187	28.04	28.54	28.25	25.82	25.84	25.67	28.47	27.77	27.05	25.22	24.45	23.49
		1	188	24.55	24.86	24.44	22.83	22.75	22.52	25.15	24.50	23.86	21.97	21.58	20.90
		90	45	28.45	**28.62**	28.24	**26.00**	25.94	25.77	28.49	28.27	27.57	**25.41**	25.18	24.67
		180	0	27.88	28.04	27.70	25.70	25.65	25.45	28.20	28.03	27.37	25.16	24.96	24.44
	QPSK	1	0	25.64	25.62	25.42	23.67	23.53	23.41	25.78	26.02	25.10	22.81	22.73	21.99
		1	1	28.43	**28.70**	28.29	25.75	25.68	25.66	28.55	**28.70**	27.97	25.44	25.42	25.12
		1	187	28.05	28.54	28.09	25.64	25.70	25.49	28.41	27.79	27.38	25.46	24.89	24.52
		1	188	25.24	25.70	25.27	23.50	23.46	23.21	25.89	25.15	24.53	22.68	22.18	21.56
		90	45	28.20	28.60	28.25	**25.85**	25.82	25.65	28.12	28.24	27.46	**25.50**	25.18	24.24
		180	0	28.08	28.28	27.81	25.78	25.74	25.53	28.28	28.21	27.54	25.24	24.97	24.25
	16QAM	1	0	26.68	26.69	26.45	24.53	24.33	24.25	26.96	27.19	26.02	23.47	23.96	23.38
		1	1	27.05	26.78	26.60	24.35	24.26	24.24	27.65	**28.28**	27.24	24.92	24.96	24.20
		1	187	26.50	27.02	26.58	24.20	24.26	24.04	27.99	27.29	26.73	24.65	24.38	23.56
		1	188	25.99	26.76	26.34	24.30	24.28	24.04	26.58	26.05	25.91	23.00	23.33	22.61
		90	45	26.53	26.73	26.35	24.14	24.11	23.93	26.07	26.28	25.63	23.11	22.79	21.69
		180	0	27.88	**28.13**	27.68	**25.43**	25.38	25.21	28.13	27.98	27.30	**25.01**	24.84	24.13
	64QAM	1	0	25.04	25.23	25.05	22.76	22.54	22.50	25.53	25.31	24.83	21.00	21.18	20.56
		1	1	26.22	26.22	25.43	**23.66**	23.49	23.43	**26.36**	26.27	25.86	**22.66**	22.28	21.47
		1	187	25.68	**26.36**	25.87	23.47	23.45	23.20	26.25	25.85	25.59	22.03	21.91	21.44
		1	188	24.73	25.33	24.67	22.55	22.53	22.23	25.29	24.74	24.34	20.96	20.46	19.95
		90	45	25.90	26.10	25.74	23.42	23.35	23.21	26.12	25.99	25.33	21.91	21.66	20.82
		180	0	25.77	26.01	25.62	23.22	23.16	23.05	26.17	26.00	25.30	21.94	21.71	21.03
	256QAM	1	0	23.91	24.05	23.67	21.59	21.53	21.39	23.94	**24.31**	23.26	20.44	20.46	19.77
		1	1	23.83	24.03	23.78	**21.61**	21.55	21.44	24.07	24.10	23.56	**20.61**	20.51	20.00
		1	187	23.12	24.19	23.56	21.47	21.35	21.09	23.41	23.25	22.70	20.24	19.81	19.18
		1	188	23.40	23.83	23.53	21.46	21.34	21.06	24.10	23.34	23.14	20.56	19.79	19.40
		90	45	23.82	24.11	23.65	21.51	21.42	21.21	24.15	23.78	23.22	20.38	20.14	19.56
		180	0	**24.31**	24.07	23.66	21.36	21.24	21.06	24.08	23.82	23.22	20.35	20.10	19.60

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OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649333	656000	662666	649333	656000	662666	649333	656000	662666	649333	656000	662666
				3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0
80.0	BPSK	1	0	24.94	24.73	24.56	22.97	22.77	22.71	25.29	25.42	24.94	22.15	21.47	20.64
		1	1	28.54	28.56	28.41	25.95	25.84	25.86	**28.55**	28.54	27.85	25.20	24.66	23.91
		1	215	28.10	28.54	28.15	25.82	25.87	25.69	28.08	27.46	27.05	25.07	23.75	23.22
		1	216	24.34	24.75	24.64	22.74	22.75	22.53	24.84	24.49	24.12	22.09	20.62	19.93
		108	54	28.28	**28.66**	28.34	**26.00**	25.94	25.76	28.51	28.32	27.66	**25.50**	24.29	23.69
		216	0	27.85	28.05	27.78	25.70	25.65	25.45	28.24	28.10	27.46	25.15	24.06	23.50
	QPSK	1	0	25.86	25.63	25.57	23.71	23.52	23.49	25.62	25.95	25.28	23.29	22.59	21.89
		1	1	28.59	28.38	28.50	25.66	25.63	25.64	28.52	**28.70**	28.10	**25.47**	24.54	23.94
		1	215	28.02	**28.70**	28.03	25.62	25.70	25.49	28.30	27.88	27.21	24.86	23.85	23.12
		1	216	25.18	25.60	25.49	23.51	23.50	23.25	25.59	24.83	24.64	22.61	21.62	21.25
		108	54	28.25	28.66	28.35	**25.86**	25.81	25.64	27.92	28.07	27.43	24.79	24.24	23.69
		216	0	28.08	28.28	28.01	25.78	25.74	25.54	28.28	28.13	27.47	25.24	24.57	24.05
	16QAM	1	0	26.86	26.55	26.35	24.51	24.35	24.30	27.33	27.23	26.41	23.70	23.73	22.95
		1	1	27.05	26.54	26.40	24.35	24.25	24.26	27.63	28.06	27.29	24.55	24.58	23.57
		1	215	26.04	26.82	26.39	24.23	24.28	24.09	27.89	26.96	26.53	24.78	23.35	23.03
		1	216	26.29	26.70	26.63	24.31	24.35	24.06	26.44	26.01	25.94	23.75	22.77	22.18
		108	54	26.35	26.66	26.26	24.16	24.11	24.01	26.14	26.22	25.54	22.84	22.36	21.69
		216	0	27.88	**28.13**	27.84	**25.43**	25.36	25.20	**28.13**	27.93	27.29	**25.01**	24.45	23.89
	64QAM	1	0	25.01	24.83	24.83	22.74	22.57	22.54	25.01	25.61	24.71	21.57	21.65	20.54
		1	1	25.86	26.11	**26.36**	**23.66**	23.50	23.49	26.04	**26.36**	25.55	**22.66**	22.30	22.21
		1	215	25.22	25.59	25.85	23.52	23.50	23.25	25.30	25.36	25.12	22.22	21.72	21.21
		1	216	24.52	24.60	24.72	22.62	22.55	22.31	24.89	24.29	24.25	21.77	20.20	19.80
		108	54	25.75	26.08	25.80	23.42	23.39	23.23	25.87	25.81	25.27	22.51	22.03	21.34
		216	0	25.70	25.96	25.71	23.23	23.15	22.97	26.00	25.78	25.17	22.33	22.00	21.32
	256QAM	1	0	24.03	23.89	23.72	21.60	21.43	21.35	24.06	**24.31**	23.62	20.38	20.28	19.74
		1	1	23.90	24.20	23.60	**21.61**	21.44	21.43	23.88	24.18	23.70	**20.61**	20.33	19.39
		1	215	23.64	23.82	24.01	21.46	21.39	21.14	23.96	23.26	22.89	20.14	19.39	19.15
		1	216	23.66	24.02	23.89	21.46	21.37	21.13	23.89	23.65	22.99	20.32	19.27	18.72
		108	54	23.95	**24.31**	24.03	21.56	21.50	21.29	24.13	23.87	23.23	20.29	19.84	19.34
		216	0	23.90	24.22	23.98	21.35	21.24	21.07	24.09	23.87	23.25	20.26	19.81	19.35

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649666	656000	662333	649666	656000	662333	649666	656000	662333	649666	656000	662333
				3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0
90.0	BPSK	1	0	24.98	24.58	24.85	22.95	22.78	22.76	25.24	25.27	24.78	22.07	22.07	21.50
		1	1	28.55	28.35	28.40	25.94	25.85	25.86	28.48	28.43	28.07	25.45	25.28	24.66
		1	243	28.06	28.62	28.27	25.86	25.90	25.75	28.14	27.40	26.81	25.37	24.43	24.04
		1	244	24.51	25.04	24.81	22.82	22.85	22.61	25.04	24.46	24.32	22.13	21.15	20.71
		120	60	28.35	**28.65**	28.36	**26.00**	25.97	25.89	**28.51**	28.30	27.64	**25.50**	24.96	24.27
		243	0	27.81	28.08	27.85	25.65	25.60	25.42	28.29	28.09	27.45	25.20	24.70	24.11
	QPSK	1	0	25.86	25.54	25.49	23.81	23.65	23.59	25.63	25.91	25.37	22.69	22.65	22.08
		1	1	28.69	28.46	28.31	25.71	25.64	25.67	28.51	**28.70**	27.98	**25.46**	25.32	24.67
		1	243	28.20	28.65	28.27	25.63	25.75	25.55	28.48	27.83	27.41	25.38	24.33	24.17
		1	244	25.48	25.63	25.42	23.61	23.63	23.41	25.58	25.15	24.86	22.81	21.71	21.49
		120	60	28.07	**28.70**	28.41	**25.90**	25.84	25.74	28.03	28.28	27.57	25.34	24.86	24.29
		243	0	28.09	28.28	28.07	25.78	25.74	25.59	28.28	28.13	27.51	25.24	24.69	24.23
	16QAM	1	0	26.87	26.49	26.65	24.57	24.37	24.38	26.65	27.06	26.03	23.17	23.31	23.31
		1	1	27.05	26.93	26.85	24.35	24.24	24.29	27.95	28.10	27.50	24.19	24.40	23.67
		1	243	26.60	26.85	26.80	24.26	24.32	24.14	27.52	27.40	26.79	24.50	23.35	23.36
		1	244	26.24	26.44	26.44	24.44	24.42	24.19	26.53	26.16	25.93	23.43	22.80	22.41
		120	60	26.40	26.75	26.49	24.14	24.11	24.01	26.26	26.40	25.67	23.19	22.64	22.11
		243	0	27.89	**28.13**	27.88	**25.43**	25.33	25.16	**28.13**	27.96	27.34	**25.01**	24.57	23.99
	64QAM	1	0	24.77	24.71	24.72	22.73	22.57	22.62	25.36	25.34	24.40	21.39	21.41	20.89
		1	1	**26.36**	25.50	25.82	**23.66**	23.52	23.54	26.13	**26.36**	25.40	22.45	21.96	21.63
		1	243	25.28	25.97	25.66	23.53	23.57	23.41	25.91	25.01	25.26	**22.66**	21.97	21.18
		1	244	24.36	25.29	24.84	22.65	22.62	22.47	24.86	23.88	24.34	21.37	20.85	19.89
		120	60	25.50	25.93	25.71	23.48	23.33	23.35	25.70	25.52	24.96	22.40	21.99	21.39
		243	0	25.58	25.79	25.65	23.15	23.09	23.01	25.77	25.53	24.96	22.34	21.88	21.31
	256QAM	1	0	24.01	23.91	23.84	21.58	21.43	21.46	23.98	24.18	23.88	20.13	20.58	19.49
		1	1	23.87	23.81	24.00	**21.61**	21.44	21.45	24.04	23.89	24.02	**20.61**	20.45	19.72
		1	243	23.60	24.15	23.76	21.51	21.44	21.30	**24.31**	23.38	22.98	20.40	19.28	18.97
		1	244	23.67	23.84	24.22	21.44	21.42	21.28	23.59	23.32	22.82	20.41	19.93	18.74
		120	60	23.79	**24.31**	23.97	21.55	21.46	21.36	24.10	23.82	23.31	20.56	20.06	19.53
		243	0	23.83	24.19	23.93	21.27	21.13	21.08	24.04	23.75	23.26	20.51	19.95	19.38

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OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000
				3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0
100.0	BPSK	1	0	25.08	24.73	24.80	22.96	22.82	22.72	25.20	25.48	24.79	21.98	21.75	21.45
		1	1	28.58	28.27	28.34	25.92	25.83	25.82	28.51	28.55	27.78	**25.40**	24.95	24.67
		1	271	28.13	28.38	28.62	25.85	25.88	25.74	28.44	27.59	27.17	25.17	24.24	23.64
		1	272	24.58	25.14	24.76	22.87	22.80	22.61	25.37	24.71	24.09	22.15	21.00	20.64
		135	67	28.31	**28.65**	28.49	**26.00**	25.95	25.81	**28.60**	28.40	27.76	25.31	24.73	24.09
		270	0	27.81	28.07	27.94	25.62	25.62	25.45	28.40	28.20	27.57	25.09	24.50	23.94
	QPSK	1	0	25.81	25.45	25.74	23.85	23.66	23.63	25.81	25.89	25.34	22.52	22.63	21.74
		1	1	28.58	28.26	28.41	25.68	25.63	25.64	28.62	**28.70**	28.21	25.24	24.81	24.49
		1	271	28.15	28.61	28.46	25.62	25.71	25.57	28.38	27.66	27.60	25.27	24.13	23.75
		1	272	25.41	25.81	25.68	23.63	23.66	23.49	25.49	24.96	24.62	22.76	21.77	21.09
		135	67	28.28	**28.70**	28.44	**25.85**	25.83	25.70	28.10	28.27	27.62	**25.50**	24.65	24.11
		270	0	28.00	28.28	28.14	25.78	25.77	25.61	28.28	28.02	27.48	25.24	24.54	24.02
	16QAM	1	0	27.06	26.69	26.79	24.67	24.49	24.42	26.97	27.30	26.45	23.35	23.49	22.90
		1	1	26.87	26.73	26.80	24.35	24.24	24.25	28.02	**28.14**	27.56	24.24	24.31	23.31
		1	271	26.59	27.05	26.77	24.28	24.32	24.15	27.55	27.08	26.88	24.48	23.55	22.93
		1	272	26.22	26.54	26.32	24.52	24.45	24.29	26.43	26.05	25.61	23.77	22.60	21.72
		135	67	26.34	26.72	26.45	24.15	24.13	23.94	26.13	26.37	25.82	23.31	22.47	21.94
		270	0	27.87	**28.13**	27.98	**25.43**	25.39	25.22	28.13	27.94	27.40	**25.01**	24.30	23.75
	64QAM	1	0	24.81	24.47	24.34	22.73	22.59	22.50	25.81	25.54	25.15	21.50	21.56	20.39
		1	1	**26.36**	25.98	25.12	**23.66**	23.49	23.45	**26.36**	26.34	25.89	**22.66**	21.81	21.85
		1	271	25.53	25.56	25.69	23.55	23.52	23.35	26.15	25.31	25.16	22.40	21.27	20.77
		1	272	24.76	25.35	24.55	22.68	22.59	22.38	25.48	24.72	24.35	21.54	20.68	20.04
		135	67	25.54	25.86	25.64	23.46	23.44	23.26	26.06	25.92	25.33	22.43	21.52	20.99
		270	0	25.57	25.75	25.57	23.20	23.06	22.94	26.14	25.98	25.35	22.28	21.60	21.01
	256QAM	1	0	23.85	23.99	23.81	21.59	21.42	21.37	23.93	**24.31**	23.55	20.31	20.33	19.39
		1	1	24.04	23.64	23.78	**21.61**	21.46	21.37	23.45	24.14	23.47	20.26	19.72	19.71
		1	271	23.67	23.89	23.65	21.50	21.50	21.18	23.59	23.03	22.86	20.32	19.41	19.02
		1	272	24.10	23.98	23.93	21.50	21.47	21.17	23.74	23.14	22.76	**20.61**	19.46	19.00
		135	67	23.84	**24.31**	24.07	21.46	21.42	21.26	23.90	23.62	23.04	20.19	19.73	19.24
		270	0	23.92	24.20	24.03	21.21	21.17	21.00	23.94	23.61	23.18	20.18	19.75	19.14

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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. Worst-case plots (highest bandwidth) are reported only.

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LTE BAND 5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 5	1.4MHz, QPSK	6/0	836.5	1.089	1.33
	1.4MHz,16QAM			1.096	1.36
	3MHz, QPSK	15/0		2.699	3.07
	3MHz, 16QAM			2.610	3.06
	5MHz, QPSK	25/0		4.501	5.10
	5MHz, 16QAM			4.498	5.13
	10MHz, QPSK	50/0		8.982	9.85
	10MHz, 16QAM			8.979	9.97
	10MHz, QPSK	1/0		0.238	0.412

5G NR n5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n5	5MHz, BPSK	25/0	836.5	4.533	5.16
	5MHz, QPSK			4.495	5.09
	5MHz, 16QAM			4.494	5.11
	10MHz, BPSK	50/0		8.973	9.76
	10MHz, QPSK			8.950	9.75
	10MHz, 16QAM			8.942	9.69
	15MHz, BPSK	75/0		13.452	14.36
	15MHz, QPSK			13.428	14.44
	15MHz, 16QAM			13.398	14.38
	20MHz, BPSK	100/0		17.876	18.90
	20MHz, QPSK			17.859	18.97
	20MHz, 16QAM			17.884	19.05
	20MHz, BPSK	1/0		0.272	0.435

LTE BAND 7

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 7	5MHz, QPSK	25/0	2535.0	4.498	5.13
	5MHz, 16QAM			4.514	5.13
	10MHz, QPSK	50/0		9.016	9.87
	10MHz, 16QAM			8.991	9.99
	15MHz, QPSK	75/0		13.459	14.81
	15MHz, 16QAM			13.482	14.85
	20MHz, QPSK	100/0		17.945	19.58
	20MHz, 16QAM			17.931	19.54
	20MHz, QPSK	1/0		0.264	0.440

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5G NR n7

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n7	5MHz, BPSK	25/0	2535.0	4.536	5.20
	5MHz, QPSK			4.497	5.15
	5MHz, 16QAM			4.481	5.10
	10MHz, BPSK	50/0		8.970	9.72
	10MHz, QPSK			8.969	9.77
	10MHz, 16QAM			8.951	9.86
	15MHz, BPSK	75/0		13.455	14.31
	15MHz, QPSK			13.432	14.43
	15MHz, 16QAM			13.416	14.35
	20MHz, BPSK	100/0		17.888	18.85
	20MHz, QPSK			17.913	18.99
	20MHz, 16QAM			17.872	19.07
	25MHz, BPSK	128/0		22.969	24.16
	25MHz, QPSK			22.914	24.19
	25MHz, 16QAM			22.899	24.19
	30MHz, BPSK	160/0		28.602	30.14
	30MHz, QPSK			28.730	30.07
	30MHz, 16QAM			28.622	30.09
	40MHz, BPSK	216/0		38.541	40.29
	40MHz, QPSK			38.541	40.35
	40MHz, 16QAM			38.563	40.29
	40MHz, BPSK	1/0		0.251	0.471

LTE BAND 12

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 12	1.4MHz, QPSK	6/0	707.5	1.094	1.37
	1.4MHz,16QAM			1.095	1.34
	3MHz, QPSK	15/0		2.702	3.03
	3MHz, 16QAM			2.699	3.08
	5MHz, QPSK	25/0		4.501	5.16
	5MHz, 16QAM			4.500	5.13
	10MHz, QPSK	50/0		8.974	9.93
	10MHz, 16QAM			8.980	9.97
	10MHz, QPSK	1/0		0.233	0.387

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5G NR n12

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n12	5MHz, BPSK	25/0	707.5	4.490	5.05
	5MHz, QPSK			4.518	5.18
	5MHz, 16QAM			4.496	5.10
	10MHz, BPSK	50/0		8.949	9.48
	10MHz, QPSK			8.989	9.70
	10MHz, 16QAM			8.923	9.73
	15MHz, BPSK	75/0		13.480	14.34
	15MHz, QPSK			13.355	14.21
	15MHz, 16QAM			13.415	14.32
	15MHz, BPSK	1/0		0.246	0.390

LTE BAND 13

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 13	5MHz, QPSK	25/0	782.0	4.496	5.08
	5MHz, 16QAM			4.510	5.13
	10MHz, QPSK	50/0		8.966	9.89
	10MHz, 16QAM			8.960	9.87
	10MHz, QPSK	1/0		0.243	0.421

LTE BAND 14

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 14	5MHz, QPSK	25/0	793.0	4.495	5.09
	5MHz, 16QAM			4.501	5.09
	10MHz, QPSK	50/0		8.960	9.97
	10MHz, 16QAM			8.987	9.92
	10MHz, QPSK	1/0		0.239	0.396

5G NR n14

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n14	5MHz, BPSK	25/0	793.0	4.535	5.18
	5MHz, QPSK			4.497	5.12
	5MHz, 16QAM			4.465	5.01
	10MHz, BPSK	50/0		9.014	9.82
	10MHz, QPSK			8.953	9.88
	10MHz, 16QAM			8.969	9.70
	10MHz, BPSK	1/0		0.233	0.363

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LTE BAND 17

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 17	5MHz, QPSK	25/0	710.0	4.506	5.09
	5MHz, 16QAM			4.504	5.10
	10MHz, QPSK	50/0		8.979	9.94
	10MHz, 16QAM			8.974	9.94
	10MHz, QPSK	1/0		0.236	0.384

LTE BAND 25

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 25	1.4MHz, QPSK	6/0	1882.5	1.093	1.36
	1.4MHz,16QAM			1.100	1.36
	3MHz, QPSK	15/0		2.700	3.06
	3MHz, 16QAM			2.704	3.06
	5MHz, QPSK	25/0		4.502	5.07
	5MHz, 16QAM			4.505	5.15
	10MHz, QPSK	50/0		8.981	9.97
	10MHz, 16QAM			8.979	9.98
	15MHz, QPSK	75/0		13.457	14.84
	15MHz, 16QAM			13.480	14.69
	20MHz, QPSK	100/0		17.943	19.63
	20MHz, 16QAM			17.956	19.57
	20MHz, QPSK	1/0		0.270	0.475

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5G NR n25

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n25	5MHz, BPSK	25/0	1882.5	4.537	5.18
	5MHz, QPSK			4.499	5.13
	5MHz, 16QAM			4.492	5.03
	10MHz, BPSK	50/0		8.990	9.88
	10MHz, QPSK			8.996	9.85
	10MHz, 16QAM			8.977	9.73
	15MHz, BPSK	75/0		13.499	14.38
	15MHz, QPSK			13.437	14.36
	15MHz, 16QAM			13.403	14.33
	20MHz, BPSK	100/0		17.974	19.03
	20MHz, QPSK			17.866	19.07
	20MHz, 16QAM			17.915	19.03
	25MHz, BPSK	128/0		22.947	24.29
	25MHz, QPSK			22.852	24.18
	25MHz, 16QAM			22.912	24.12
	30MHz, BPSK	160/0		28.611	30.14
	30MHz, QPSK			28.701	30.18
	30MHz, 16QAM			28.637	29.97
	40MHz, BPSK	216/0		38.701	41.78
	40MHz, QPSK			38.725	43.34
	40MHz, 16QAM			38.625	40.35
	40MHz, BPSK	1/0		0.324	0.509

LTE BAND 26

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 26	1.4MHz, QPSK	6/0	819.0	1.094	1.31
	1.4MHz,16QAM			1.096	1.34
	3MHz, QPSK	15/0		2.708	3.05
	3MHz, 16QAM			2.705	3.03
	5MHz, QPSK	25/0		4.503	5.10
	5MHz, 16QAM			4.514	5.13
	10MHz, QPSK	50/0		8.956	10.01
	10MHz, 16QAM			8.975	9.98
	10MHz, QPSK	1/0		0.244	0.383

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5G NR n26

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n26	5MHz, BPSK	25/0	819.0	4.470	4.79
	5MHz, QPSK			4.468	4.78
	5MHz, 16QAM			4.471	4.81
	10MHz, BPSK	50/0		8.931	9.39
	10MHz, QPSK			8.931	9.37
	10MHz, 16QAM			8.892	9.37
	10MHz, BPSK	1/0		0.276	0.436

LTE BAND 26

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 26	1.4MHz, QPSK	6/0	836.5	1.091	1.33
	1.4MHz,16QAM			1.094	1.34
	3MHz, QPSK	15/0		2.701	3.05
	3MHz, 16QAM			2.703	3.06
	5MHz, QPSK	25/0		4.494	5.09
	5MHz, 16QAM			4.504	5.08
	10MHz, QPSK	50/0		8.977	9.92
	10MHz, 16QAM			8.986	10.05
	10MHz, QPSK	1/0		0.242	0.397

5G NR n26

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n26	5MHz, BPSK	25/0	836.5	4.478	4.83
	5MHz, QPSK			4.466	4.80
	5MHz, 16QAM			4.460	4.77
	10MHz, BPSK	50/0		8.916	9.41
	10MHz, QPSK			8.945	9.37
	10MHz, 16QAM			8.919	9.41
	10MHz, BPSK	1/0		0.274	0.428

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LTE BAND 30

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 30	5MHz, QPSK	25/0	2310.0	4.503	5.11
	5MHz, 16QAM			4.514	5.16
	10MHz, QPSK	50/0		8.997	9.96
	10MHz, 16QAM			9.010	9.99
	10MHz, QPSK	1/0		0.247	0.367

5G NR n30

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n30	5MHz, BPSK	25/0	2310.0	4.486	4.84
	5MHz, QPSK			4.471	4.83
	5MHz, 16QAM			4.468	4.86
	10MHz, BPSK	50/0		8.943	9.40
	10MHz, QPSK			8.932	9.39
	10MHz, 16QAM			8.934	9.43
	10MHz, BPSK	1/0		0.287	0.471

5G NR n41

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n41	20MHz, BPSK	50/0	2593.0	17.887	18.85
	20MHz, QPSK			17.859	18.73
	20MHz, 16QAM			17.850	18.78
	30MHz, BPSK	75/0		26.844	28.06
	30MHz, QPSK			26.835	28.11
	30MHz, 16QAM			26.828	28.04
	40MHz, BPSK	100/0		35.751	37.59
	40MHz, QPSK			35.708	37.52
	40MHz, 16QAM			35.727	37.50
	50MHz, BPSK	128/0		45.773	47.97
	50MHz, QPSK			45.730	47.96
	50MHz, 16QAM			45.772	47.88
	60MHz, BPSK	162/0		57.872	60.49
	60MHz, QPSK			57.882	60.45
	60MHz, 16QAM			57.912	60.50
	70MHz, BPSK	180/0		64.353	67.33
	70MHz, QPSK			64.387	67.42
	70MHz, 16QAM			64.421	67.39
	80MHz, BPSK	216/0		77.119	80.54
	80MHz, QPSK			77.088	80.57
	80MHz, 16QAM			77.175	80.54
	90MHz, BPSK	243/0		86.744	90.52
	90MHz, QPSK			86.757	90.51
	90MHz, 16QAM			86.741	90.46
	100MHz, BPSK	270/0		96.324	100.60
	100MHz, QPSK			96.479	100.70
	100MHz, 16QAM			96.366	100.60
	100MHz, BPSK	1/0		0.597	1.090

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LTE BAND 48

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 48	5MHz, QPSK	25/0	3625.0	4.471	4.81
	5MHz, 16QAM			4.488	4.95
	10MHz, QPSK	50/0		8.836	9.59
	10MHz, 16QAM			8.947	9.56
	15MHz, QPSK	75/0		13.441	14.08
	15MHz, 16QAM			13.554	14.64
	20MHz, QPSK	100/0		17.889	18.89
	20MHz, 16QAM			17.781	18.57
	20MHz, QPSK	1/0		0.273	0.472

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LTE BAND 66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 66	1.4MHz, QPSK	6/0	1745.0	1.085	1.31
	1.4MHz,16QAM			1.073	1.24
	3MHz, QPSK	15/0		2.682	2.92
	3MHz, 16QAM			2.688	2.87
	5MHz, QPSK	25/0		4.509	5.08
	5MHz, 16QAM			4.502	5.07
	10MHz, QPSK	50/0		8.970	9.90
	10MHz, 16QAM			8.997	9.98
	15MHz, QPSK	75/0		13.455	14.72
	15MHz, 16QAM			13.367	14.17
	20MHz, QPSK	100/0		17.935	19.66
	20MHz, 16QAM			17.948	19.62
	20MHz, QPSK	1/0		0.261	0.428

5G NR n66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n66	5MHz, BPSK	25/0	1745.0	4.539	5.20
	5MHz, QPSK			4.498	5.12
	5MHz, 16QAM			4.496	5.13
	10MHz, BPSK	50/0		8.987	9.77
	10MHz, QPSK			8.963	9.86
	10MHz, 16QAM			8.966	9.69
	15MHz, BPSK	75/0		13.424	14.36
	15MHz, QPSK			13.442	14.44
	15MHz, 16QAM			13.409	14.38
	20MHz, BPSK	100/0		17.939	18.98
	20MHz, QPSK			17.886	18.97
	20MHz, 16QAM			17.882	18.93
	30MHz, BPSK	160/0		28.593	30.05
	30MHz, QPSK			28.694	30.03
	30MHz, 16QAM			28.620	29.97
	40MHz, BPSK	216/0		38.591	40.32
	40MHz, QPSK			38.487	60.34
	40MHz, 16QAM			38.588	40.41
	40MHz, BPSK	1/0		0.292	0.470

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5G NR n70

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n70	5MHz, BPSK	25/0	1702.5	4.518	5.16
	5MHz, QPSK			4.485	5.13
	5MHz, 16QAM			4.485	5.09
	10MHz, BPSK	50/0		8.967	9.67
	10MHz, QPSK			8.963	9.69
	10MHz, 16QAM			8.947	9.68
	15MHz, BPSK	75/0		13.476	14.36
	15MHz, QPSK			13.442	14.39
	15MHz, 16QAM			13.457	14.37
	15MHz, BPSK	1/0		0.471	0.715

LTE BAND 71

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 71	5MHz, QPSK	25/0	680.5	4.493	5.07
	5MHz, 16QAM			4.504	5.06
	10MHz, QPSK	50/0	683	8.955	9.97
	10MHz, 16QAM			8.965	9.90
	15MHz, QPSK	75/0	680.5	13.411	14.71
	15MHz, 16QAM			13.439	14.90
	20MHz, QPSK	100/0	683	17.868	19.65
	20MHz, 16QAM			17.878	19.62
	20MHz, QPSK	1/0	680.5	0.277	0.493

5G NR n71

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n71	5MHz, BPSK	25/0	680.5	4.534	5.19
	5MHz, QPSK			4.496	5.11
	5MHz, 16QAM			4.476	5.16
	10MHz, BPSK	50/0	683	8.972	9.67
	10MHz, QPSK			8.947	9.69
	10MHz, 16QAM			8.942	9.83
	15MHz, BPSK	75/0	680.5	13.442	14.34
	15MHz, QPSK			13.436	14.28
	15MHz, 16QAM			13.424	14.44
	20MHz, BPSK	100/0	683	17.871	18.85
	20MHz, QPSK			17.870	19.03
	20MHz, 16QAM			17.803	18.88
	20MHz, BPSK	1/0	680.5	0.266	0.421

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5G NR n77

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77	10MHz, BPSK	24/0	3500.0	8.661	9.95
	10MHz, QPSK			8.608	9.76
	10MHz, 16QAM			8.625	9.67
	15MHz, BPSK	36/0		12.955	14.09
	15MHz, QPSK			12.899	14.20
	15MHz, 16QAM			12.876	14.17
	20MHz, BPSK	50/0		17.943	19.46
	20MHz, QPSK			17.890	19.63
	20MHz, 16QAM			17.879	19.38
	30MHz, BPSK	75/0		26.839	28.67
	30MHz, QPSK			26.887	28.90
	30MHz, 16QAM			26.917	29.05
	40MHz, BPSK	100/0		35.872	38.07
	40MHz, QPSK			35.711	38.03
	40MHz, 16QAM			35.796	37.99
	50MHz, BPSK	128/0		45.749	48.52
	50MHz, QPSK			45.754	48.36
	50MHz, 16QAM			45.710	48.37
	60MHz, BPSK	162/0		58.090	60.76
	60MHz, QPSK			57.847	60.81
	60MHz, 16QAM			57.981	60.83
	70MHz, BPSK	180/0		64.391	67.56
	70MHz, QPSK			64.478	67.57
	70MHz, 16QAM			64.332	67.41
	80MHz, BPSK	216/0		77.182	80.52
	80MHz, QPSK			77.115	80.84
	80MHz, 16QAM			77.285	80.68
	90MHz, BPSK	243/0		86.662	90.69
	90MHz, QPSK			86.805	90.39
	90MHz, 16QAM			86.657	90.61
	100MHz, BPSK	270/0		96.617	100.60
	100MHz, QPSK			96.485	100.80
	100MHz, 16QAM			96.641	100.70
	100MHz, BPSK	1/0		0.575	0.912

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5G NR n77

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77	10MHz, BPSK	24/0	3840.0	8.645	9.79
	10MHz, QPSK			8.616	9.76
	10MHz, 16QAM			8.570	9.25
	15MHz, BPSK	36/0		12.872	14.23
	15MHz, QPSK			12.885	13.62
	15MHz, 16QAM			12.835	14.06
	20MHz, BPSK	50/0		17.902	19.44
	20MHz, QPSK			17.931	19.42
	20MHz, 16QAM			17.873	19.14
	30MHz, BPSK	75/0		26.966	28.02
	30MHz, QPSK			26.952	28.26
	30MHz, 16QAM			26.772	28.40
	40MHz, BPSK	100/0		35.861	37.70
	40MHz, QPSK			35.763	37.77
	40MHz, 16QAM			35.784	37.65
	50MHz, BPSK	128/0		45.840	47.72
	50MHz, QPSK			45.892	47.96
	50MHz, 16QAM			45.721	47.76
	60MHz, BPSK	162/0		57.916	60.43
	60MHz, QPSK			57.814	60.57
	60MHz, 16QAM			57.814	60.33
	70MHz, BPSK	180/0		64.244	67.19
	70MHz, QPSK			64.293	67.24
	70MHz, 16QAM			64.447	67.49
	80MHz, BPSK	216/0		77.022	80.38
	80MHz, QPSK			77.058	80.33
	80MHz, 16QAM			77.226	80.33
	90MHz, BPSK	243/0		86.588	90.73
	90MHz, QPSK			86.580	90.29
	90MHz, 16QAM			86.688	90.19
	100MHz, BPSK	270/0		96.249	100.50
	100MHz, QPSK			96.332	100.50
	100MHz, 16QAM			96.063	100.60
	100MHz, BPSK	1/0		0.596	1.008

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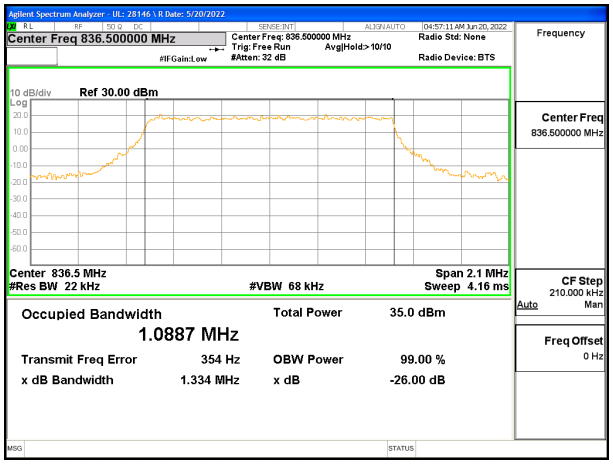
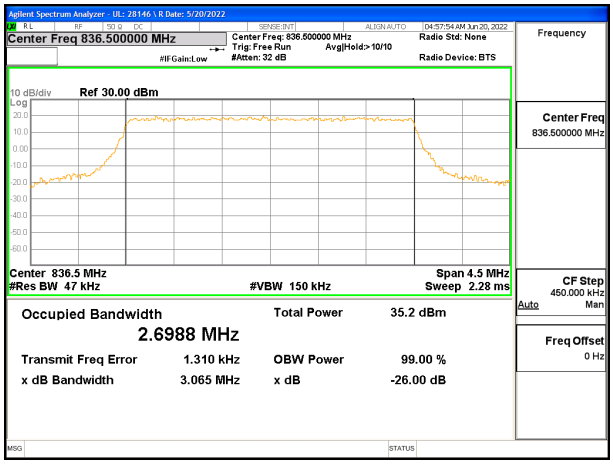
9.1.1. LTE BAND 5 AND 5G NR n5

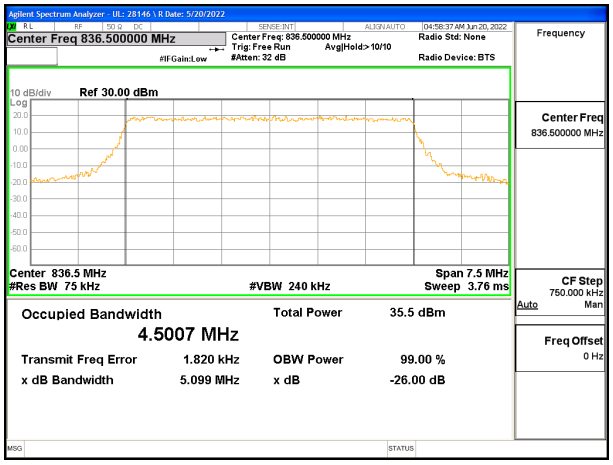
LTE BAND 5



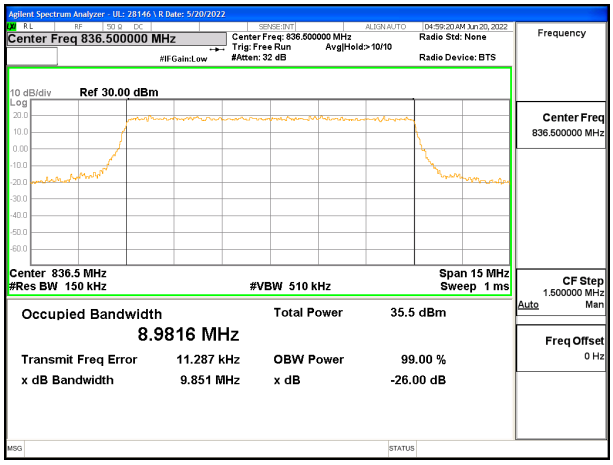
LTE B5 1.4MHz QPSK Middle Channel RB6-0



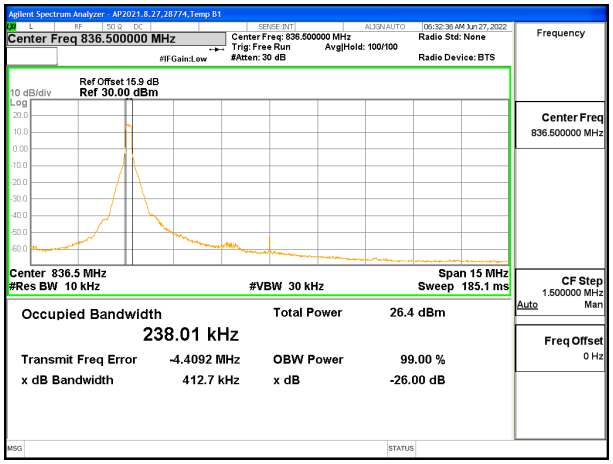
LTE B5 3MHz QPSK Middle Channel RB15-0



LTE B5 5MHz QPSK Middle Channel RB25-0



LTE B5 10MHz QPSK Middle Channel RB50-0



LTE B2626 10MHz QPSK Middle Channel RB1-0

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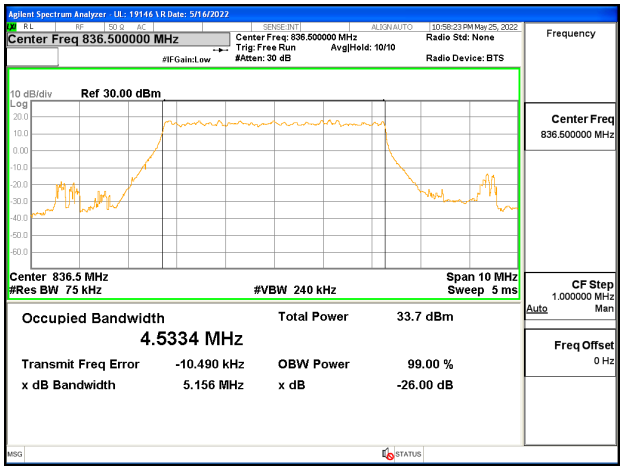
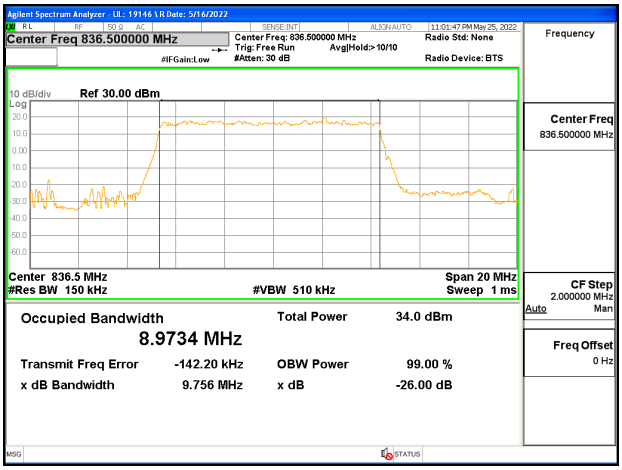
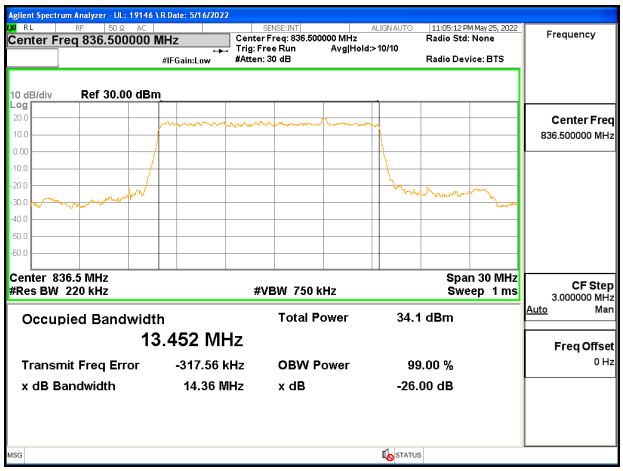
5G NR n5



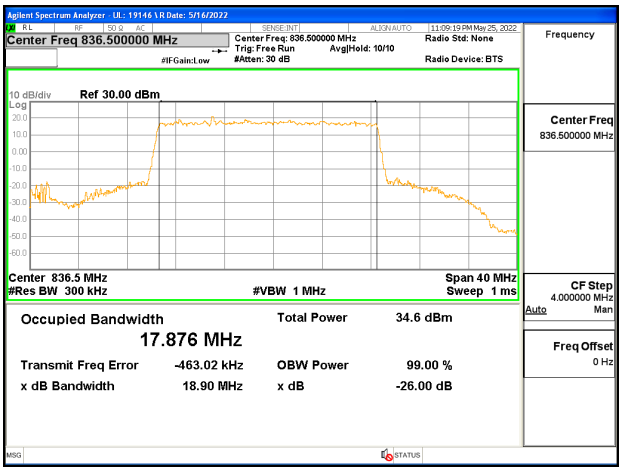
5G NR n5 5MHz BPSK Middle Channel RB25-0



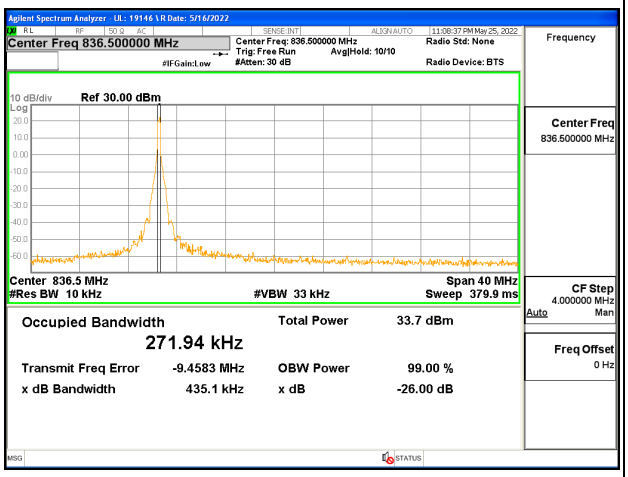
5G NR n5 10MHz BPSK Middle Channel RB50-0



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



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



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

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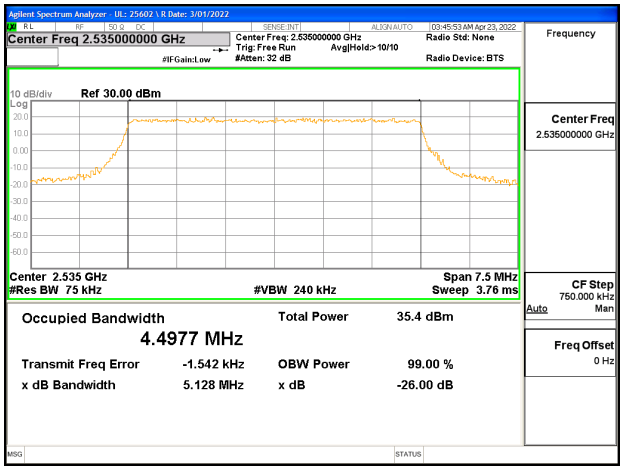
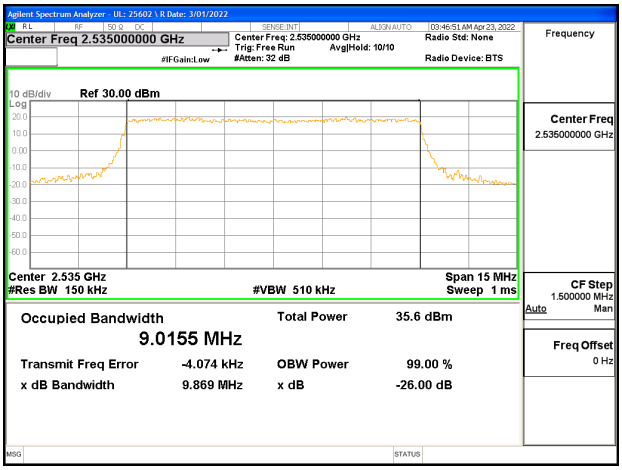
9.1.2. LTE BAND 7 AND 5G NR n7

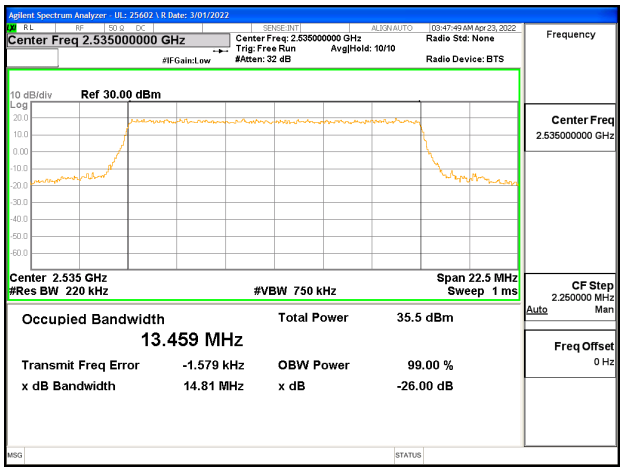
LTE BAND 7



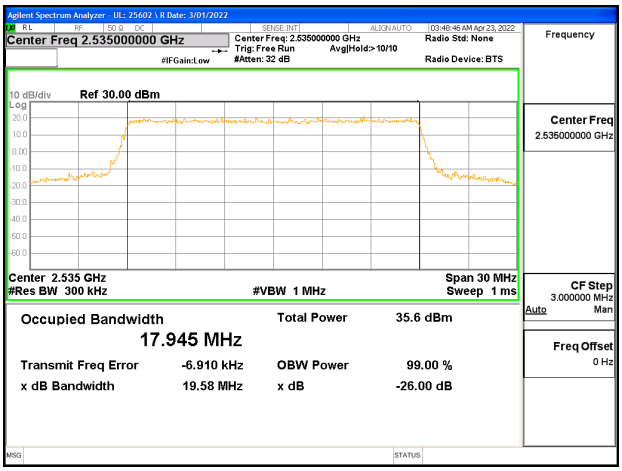
LTE B7 5MHz QPSK Middle Channel RB25-0



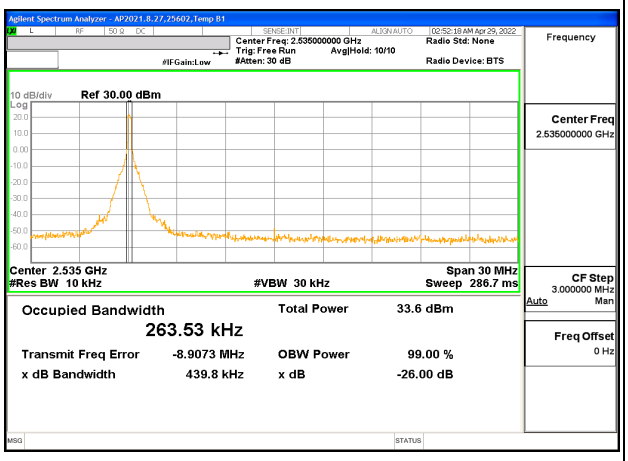
LTE B7 10MHz QPSK Middle Channel RB50-0



LTE B7 15MHz QPSK Middle Channel RB75-0



LTE B7 20MHz QPSK Middle Channel RB100-0



LTE B7 20MHz QPSK Middle Channel RB1-0

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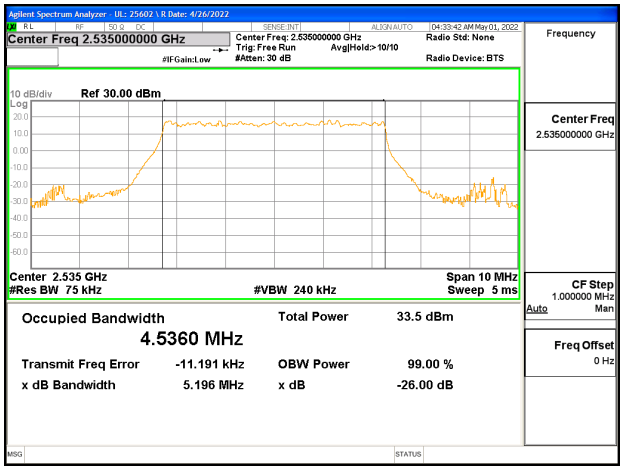
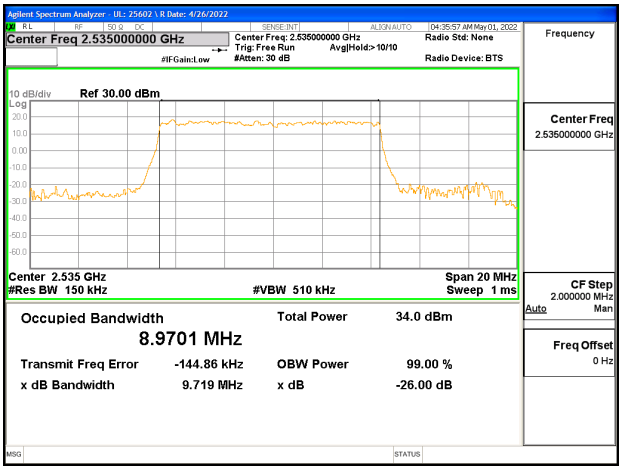
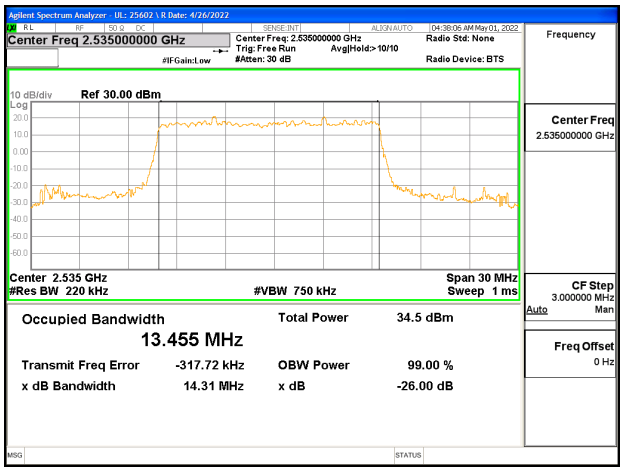
5G NR n7



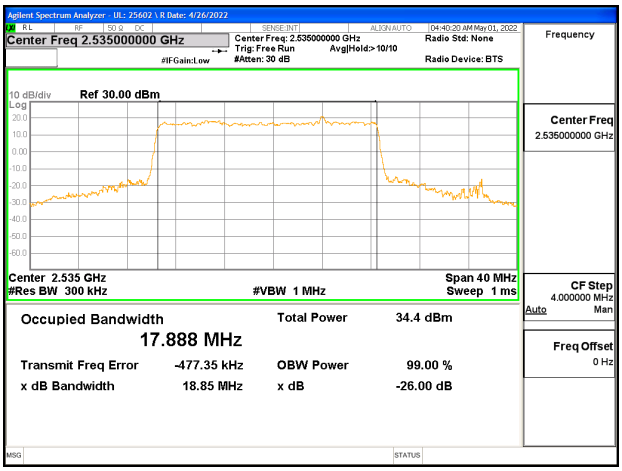
5G NR n7 5MHz BPSK Middle Channel RB25-0



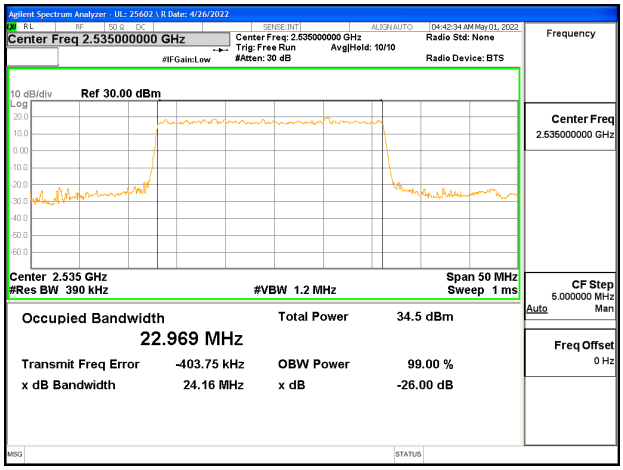
5G NR n7 10MHz BPSK Middle Channel RB50-0



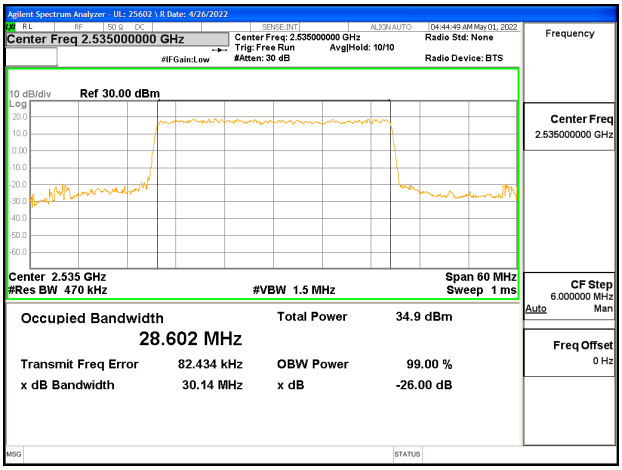
5G NR n7 15MHz BPSK Middle Channel RB75-0



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



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



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

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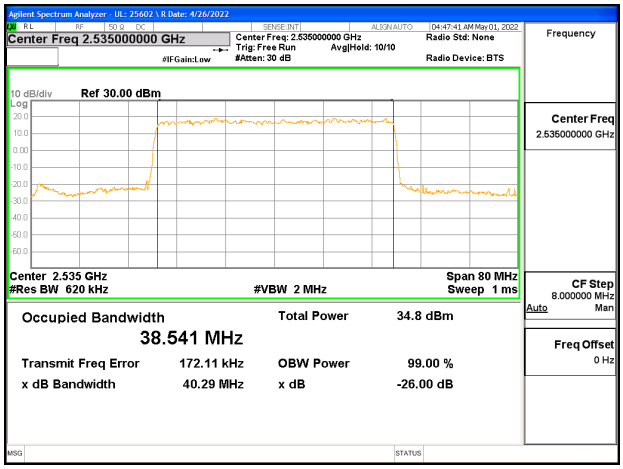
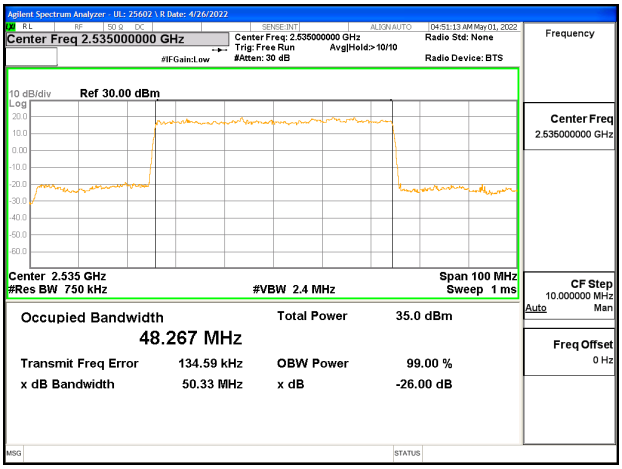
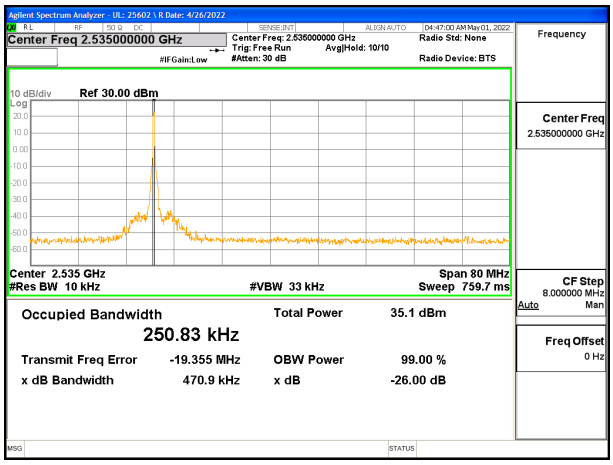


5G NR n7 40MHz BPSK Middle Channel RB216-0



5G NR n7 50MHz BPSK Middle Channel RB270-0



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

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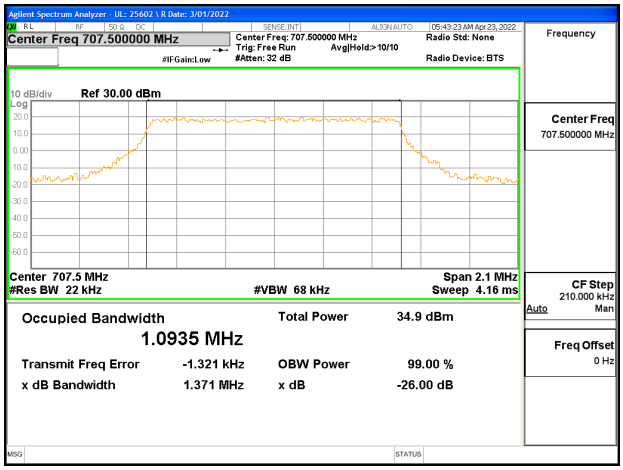
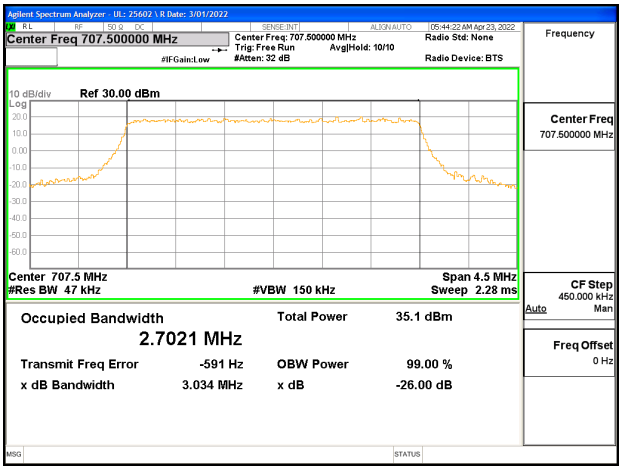
9.1.3. LTE BAND 12 AND 5G NR n12

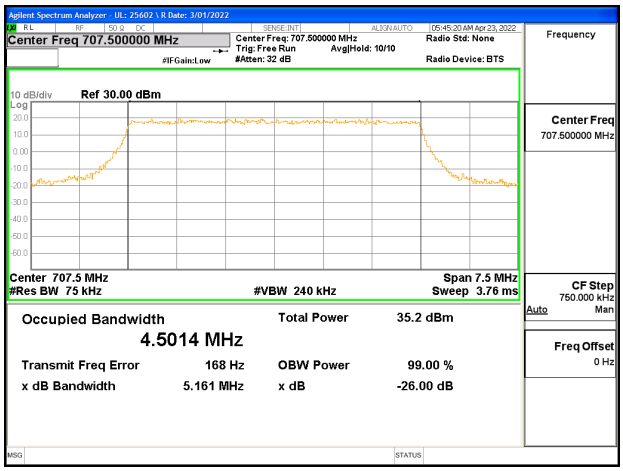
LTE BAND 12



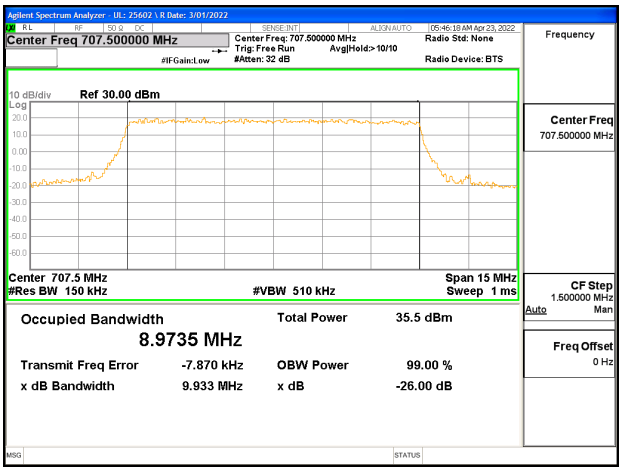
LTE B12 1.4MHz QPSK Middle Channel RB6-0



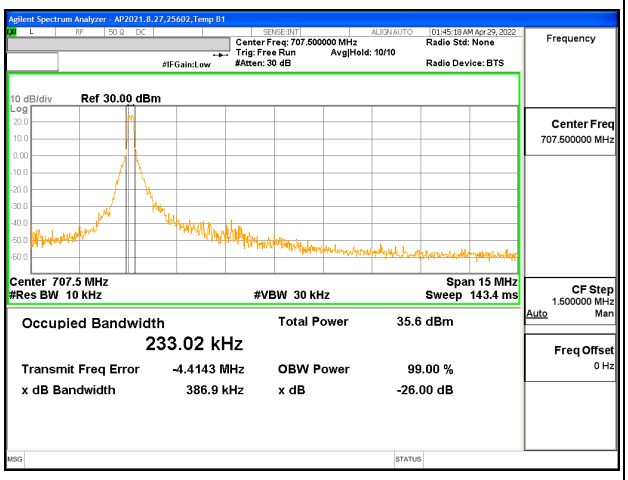
LTE B12 3MHz QPSK Middle Channel RB15-0



LTE B12 5MHz QPSK Middle Channel RB25-0



LTE B12 10MHz QPSK Middle Channel RB50-0



LTE B12 10MHz QPSK Middle Channel RB1-0

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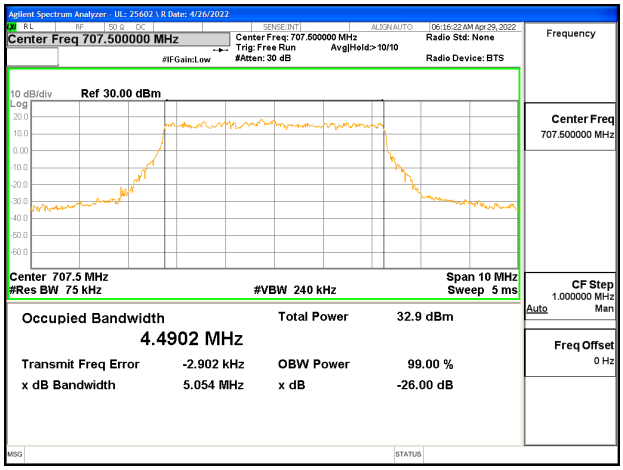
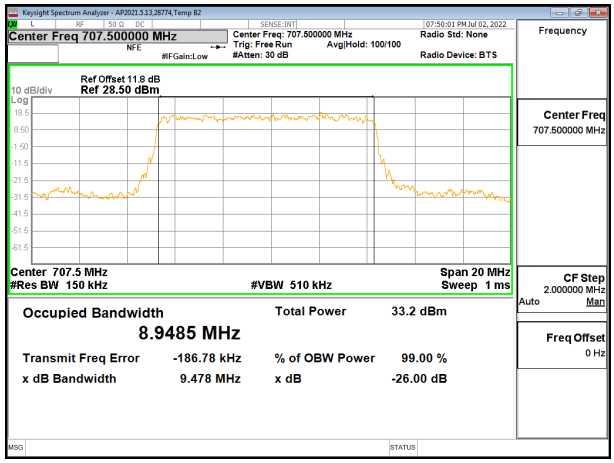
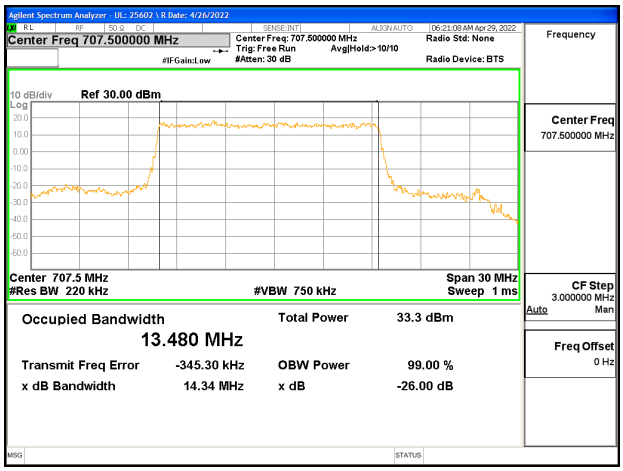
5G NR n12



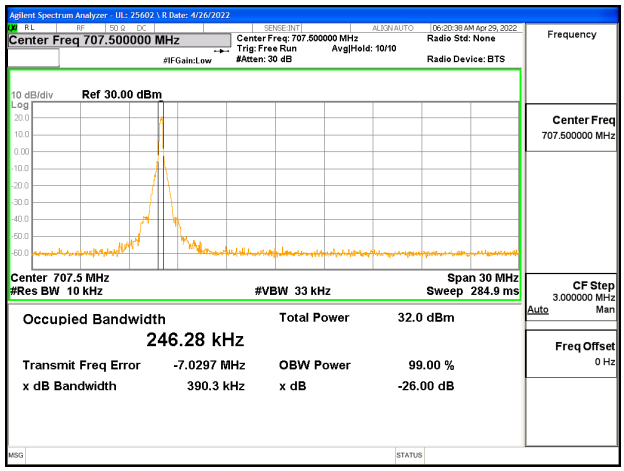
5G NR n12 5MHz BPSK Middle Channel RB25-0



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



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



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

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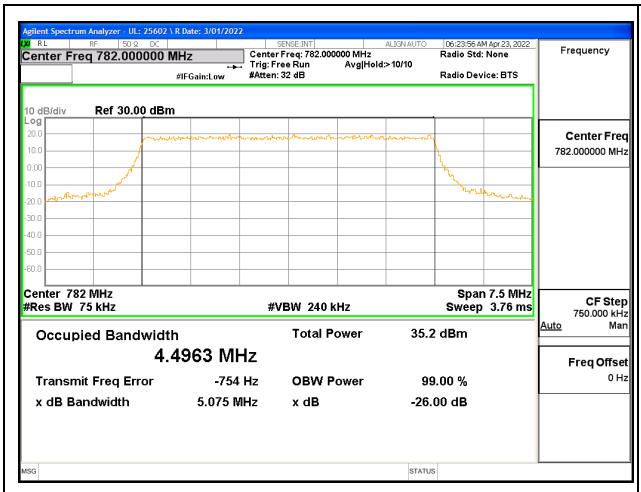
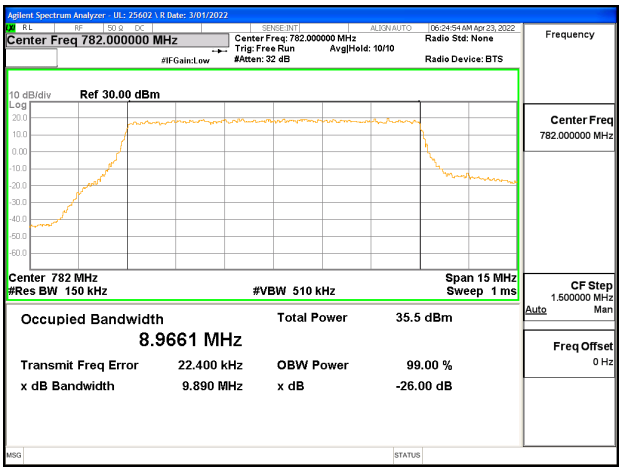
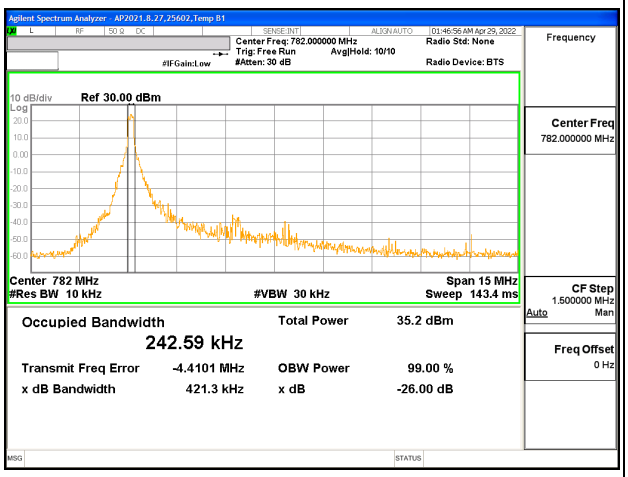
9.1.4. LTE BAND 13



LTE B13 5MHz QPSK Middle Channel RB25-0



LTE B13 10MHz QPSK Middle Channel RB50-0



LTE B13 10MHz QPSK Middle Channel RB1-0

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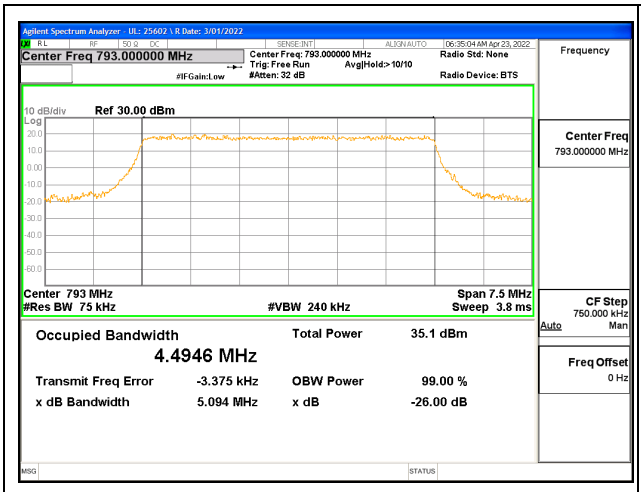
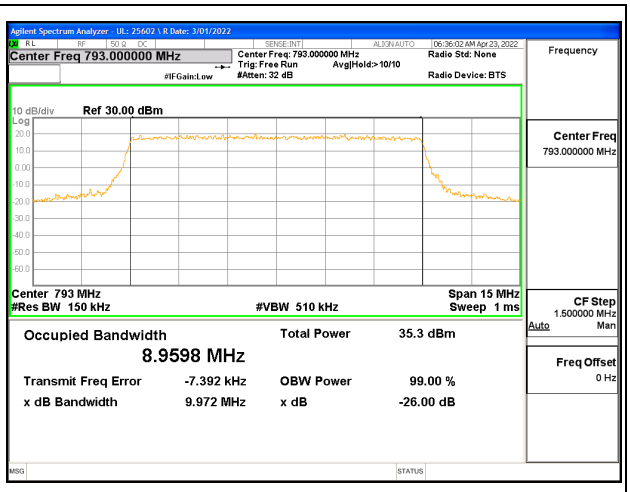
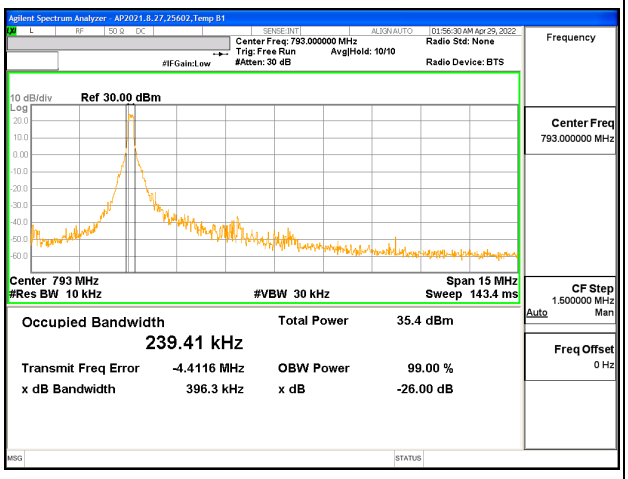
9.1.5. LTE BAND 14 AND 5G NR n14



LTE B14 5MHz QPSK Middle Channel RB25-0



LTE B14 10MHz QPSK Middle Channel RB50-0



LTE B14 10MHz QPSK Middle Channel RB1-0

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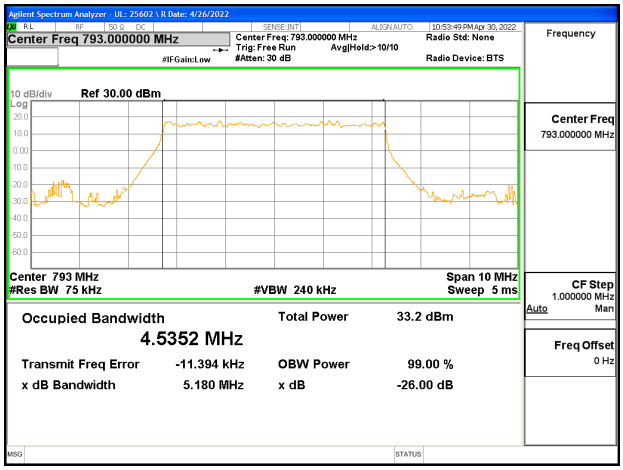
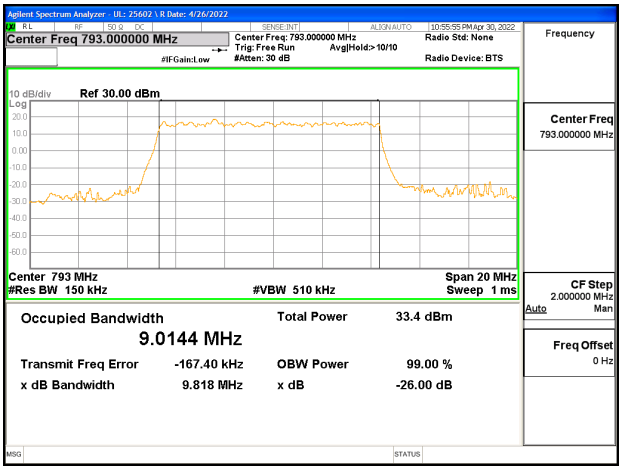
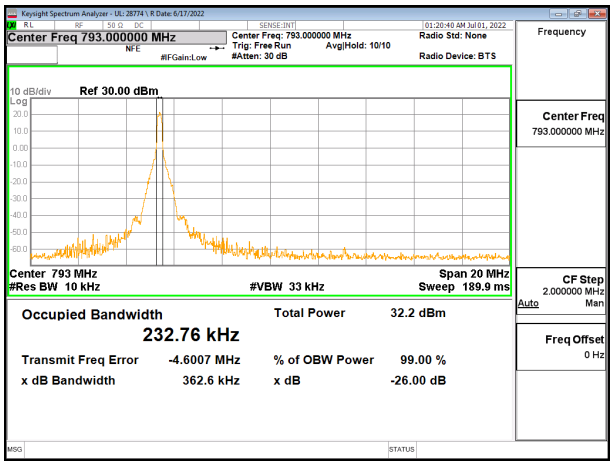
5G NR n14



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



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



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

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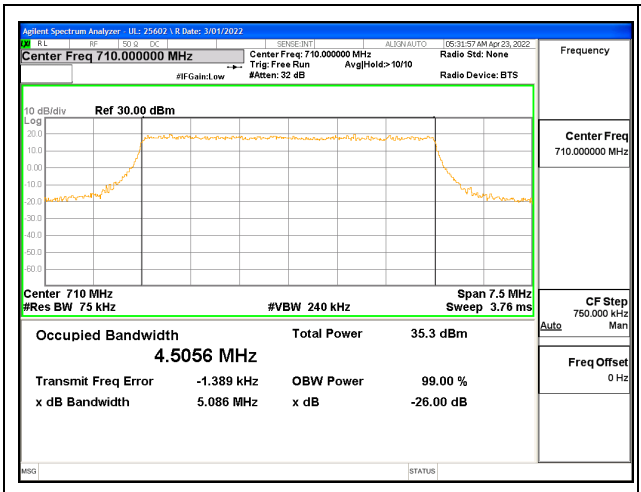
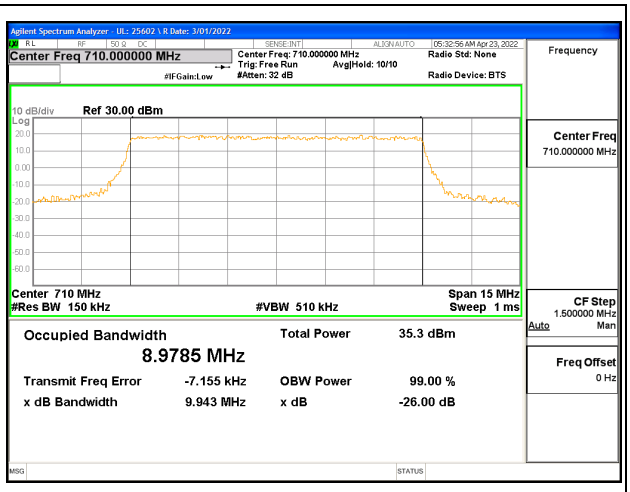
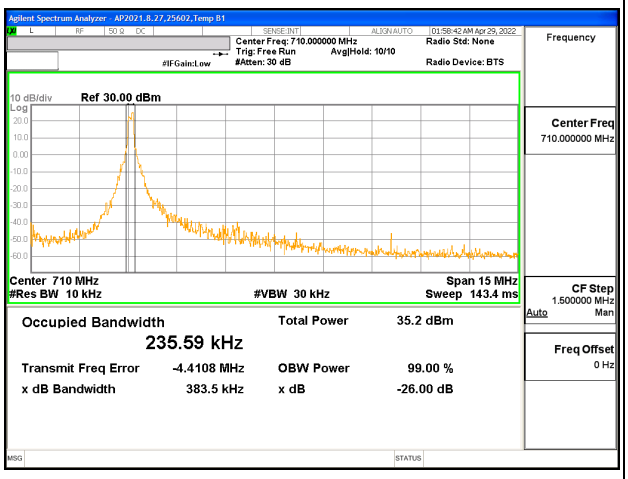
9.1.6. LTE BAND 17



LTE B17 5MHz QPSK Middle Channel RB25-0



LTE B17 10MHz QPSK Middle Channel RB50-0



LTE B17 10MHz QPSK Middle Channel RB1-0

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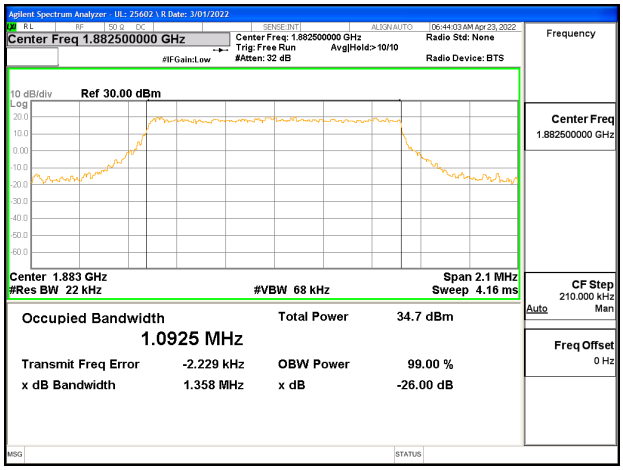
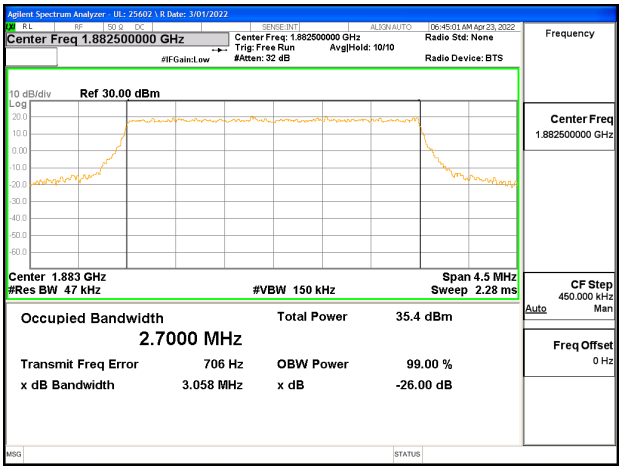
9.1.7. LTE BAND 25 AND 5G NR n25

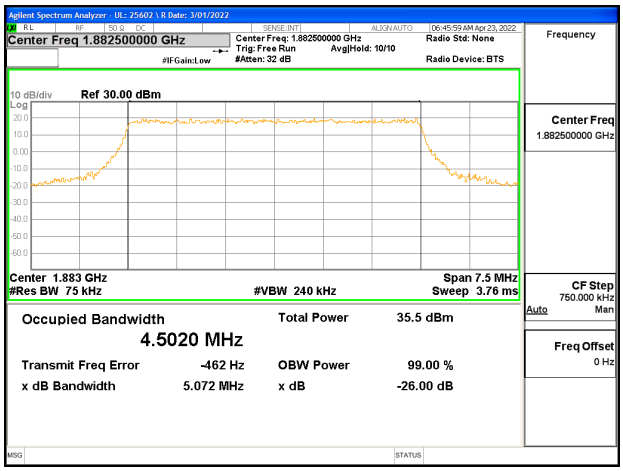
LTE BAND 25



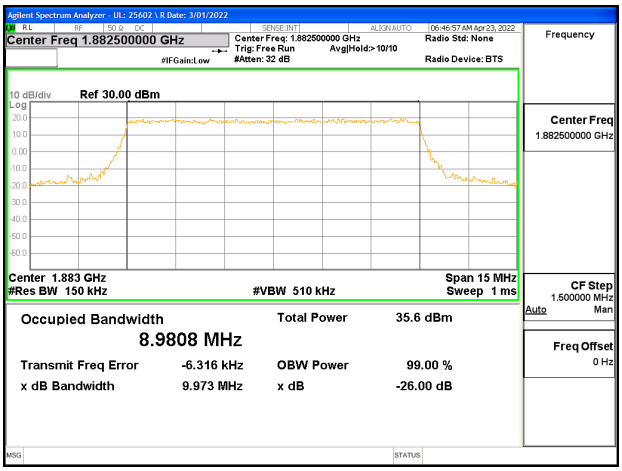
LTE B25 1.4MHz QPSK Middle Channel RB6-0



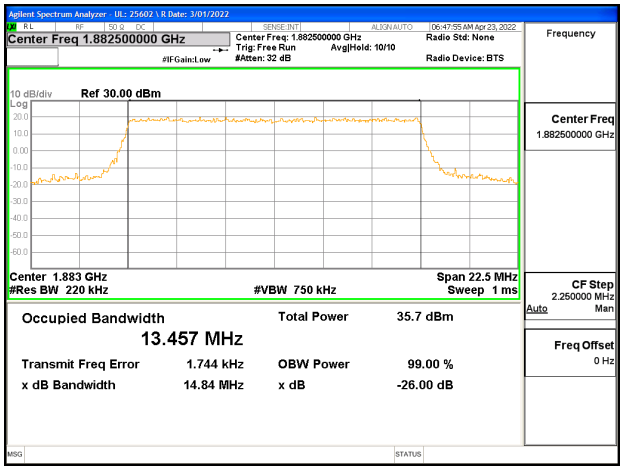
LTE B25 3MHz QPSK Middle Channel RB15-0



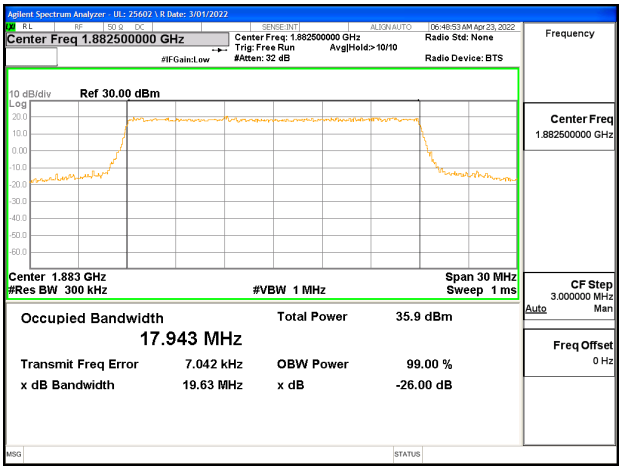
LTE B25 5MHz QPSK Middle Channel RB25-0



LTE B25 10MHz QPSK Middle Channel RB50-0



LTE B25 15MHz QPSK Middle Channel RB75-0



LTE B25 20MHz QPSK Middle Channel RB100-0

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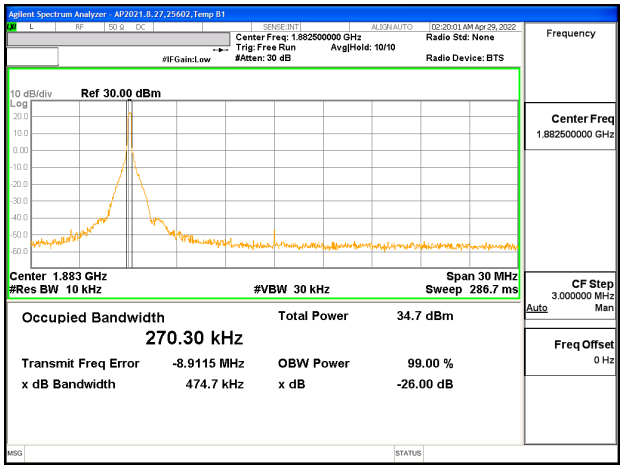

LTE B25 20MHz QPSK Middle Channel RB1-0

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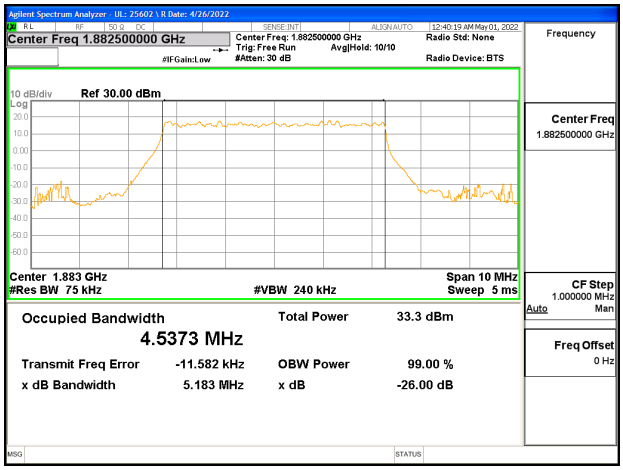
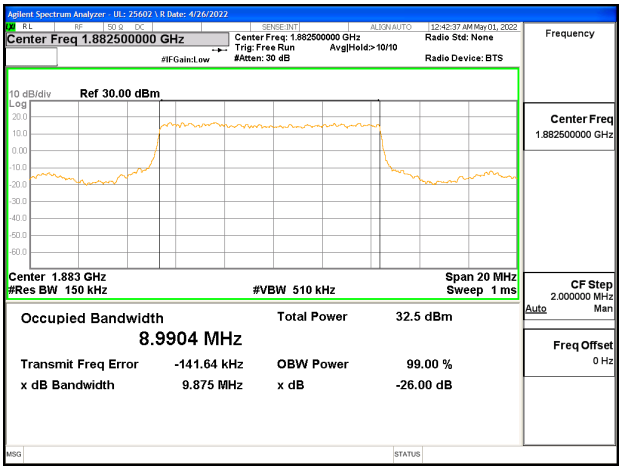
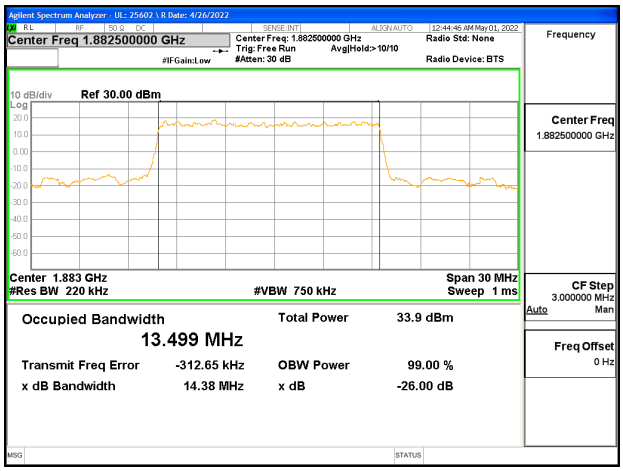
5G NR n25



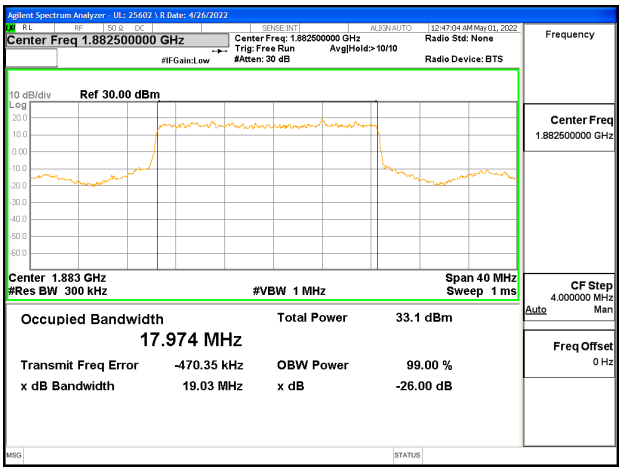
5G NR n25 5MHz BPSK Middle Channel RB25-0



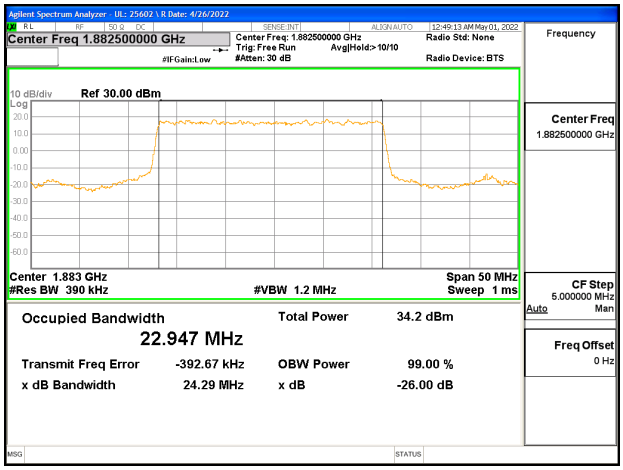
5G NR n25 10MHz BPSK Middle Channel RB50-0



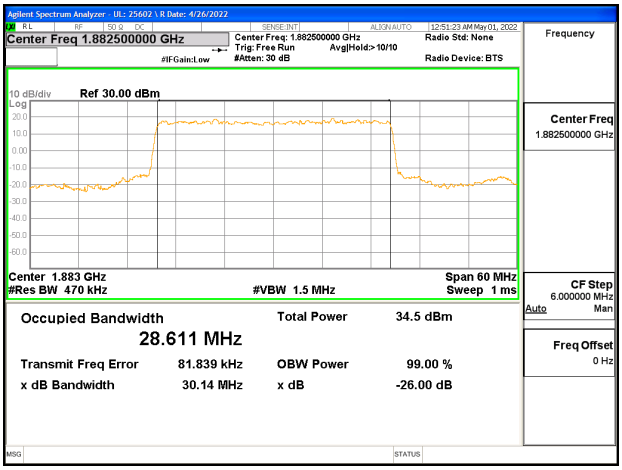
5G NR n25 15MHz BPSK Middle Channel RB75-0



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



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



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

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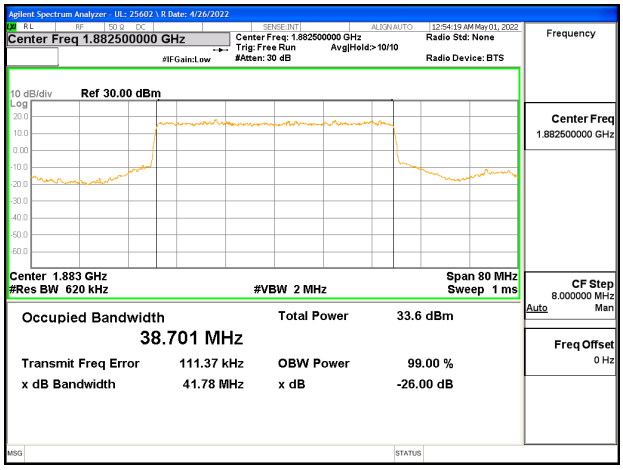
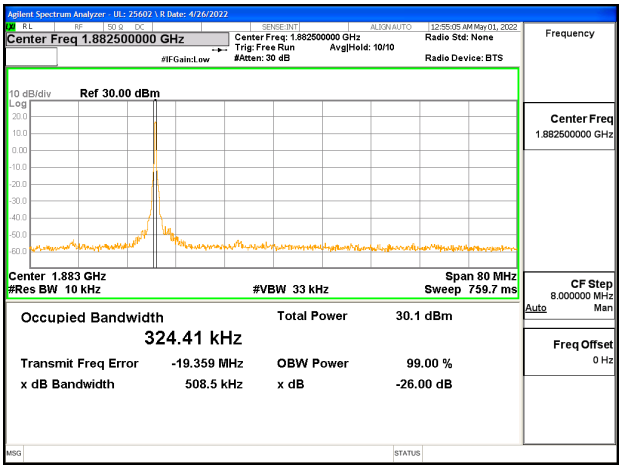


5G NR n25 40MHz BPSK Middle Channel RB216-0



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

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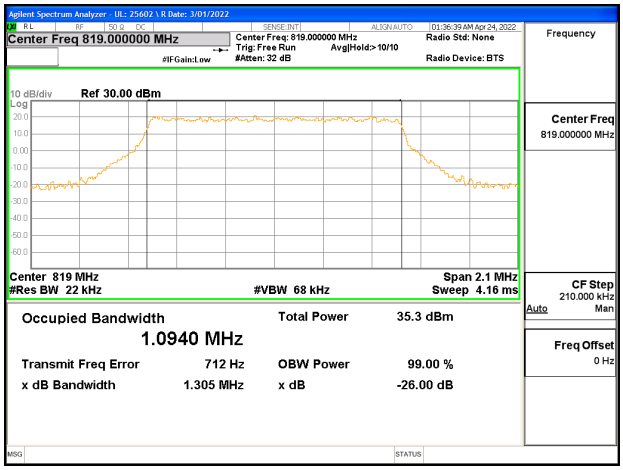
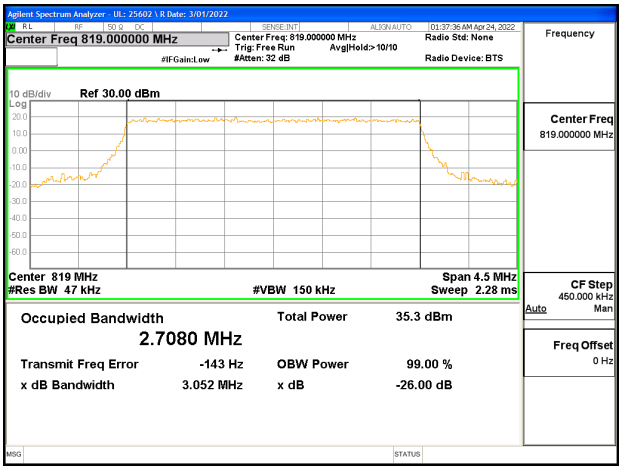
9.1.8. LTE BAND 26

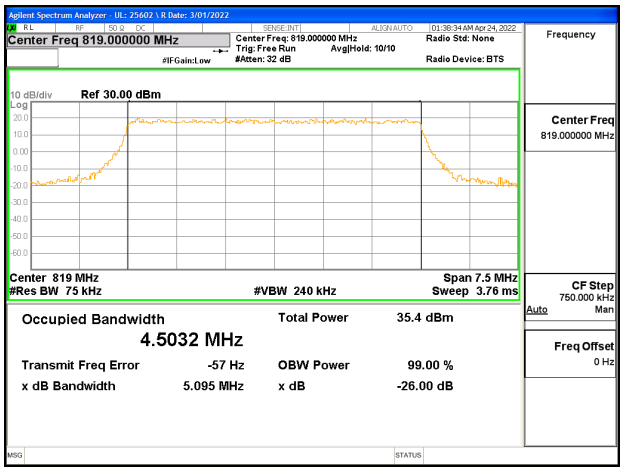
LTE BAND 26



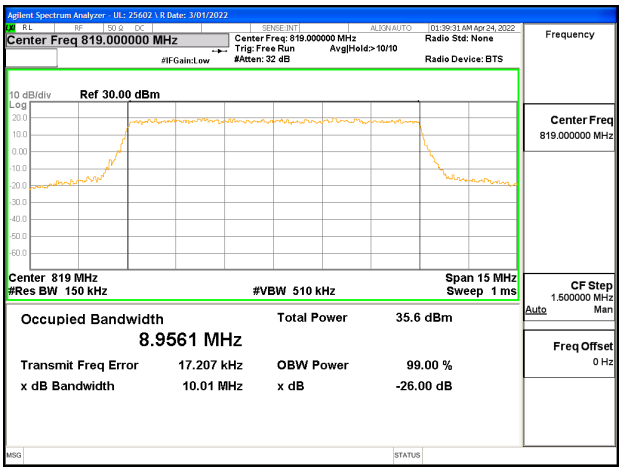
LTE B26 1.4MHz QPSK Middle Channel RB6-0



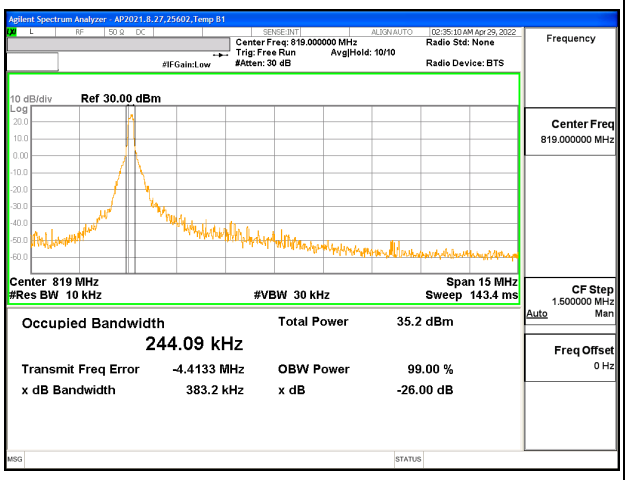
LTE B26 3MHz QPSK Middle Channel RB15-0



LTE B26 5MHz QPSK Middle Channel RB25-0



LTE B26 10MHz QPSK Middle Channel RB50-0



LTE B26 10MHz QPSK Middle Channel RB1-0

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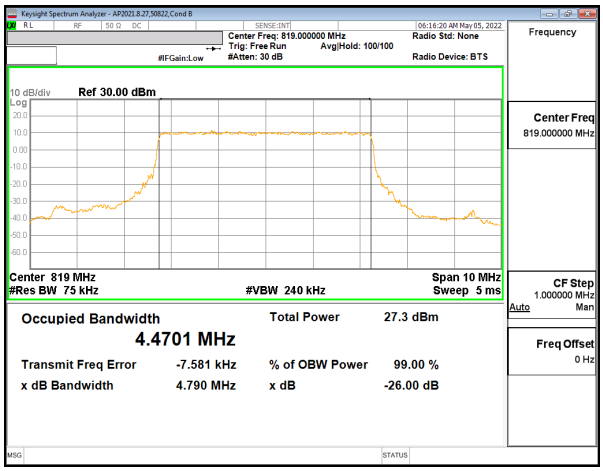
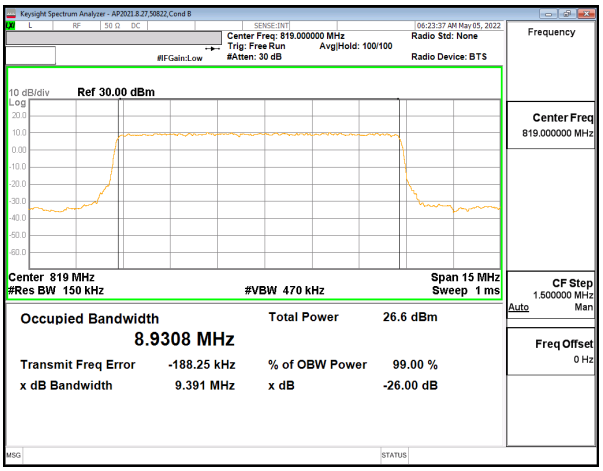
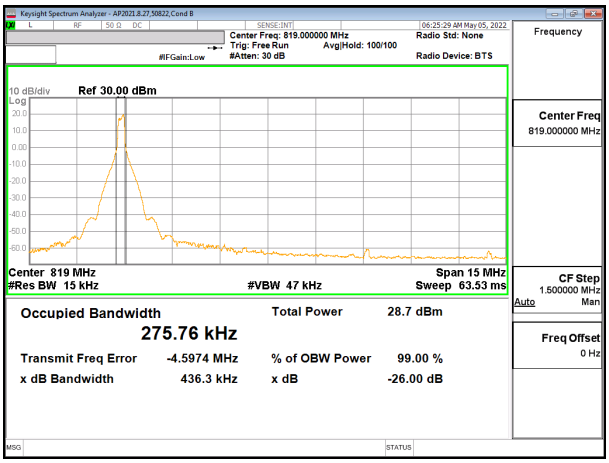
5G NR n26



5G NR n26 5MHz BPSK Middle Channel RB25-0



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



5G NR n26 10MHz BPSK Middle Channel RB1-0

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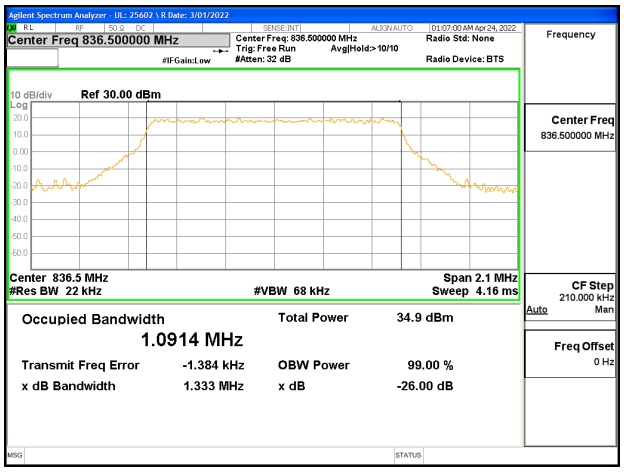
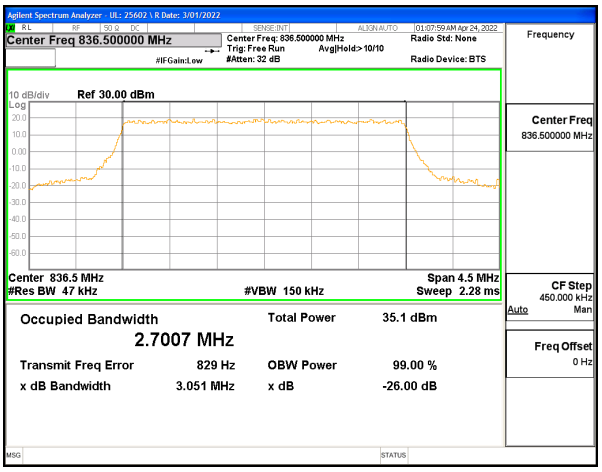
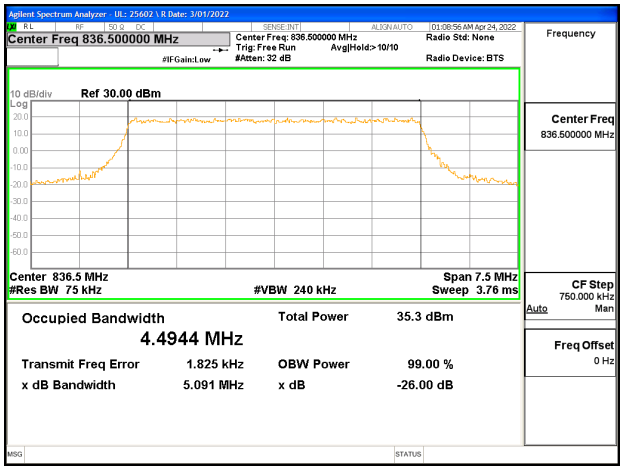
9.1.9. LTE BAND 26



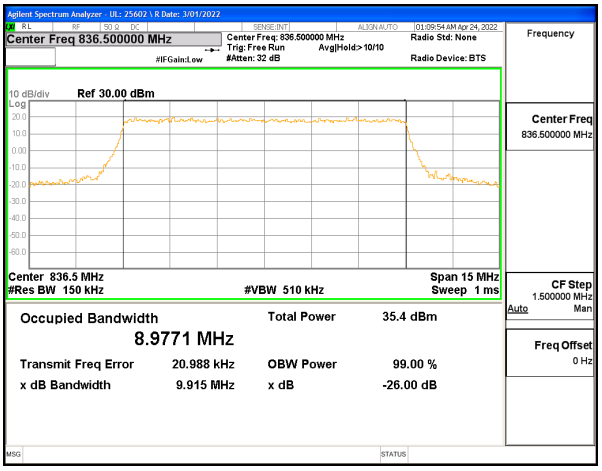
LTE B26 1.4MHz QPSK Middle Channel RB6-0



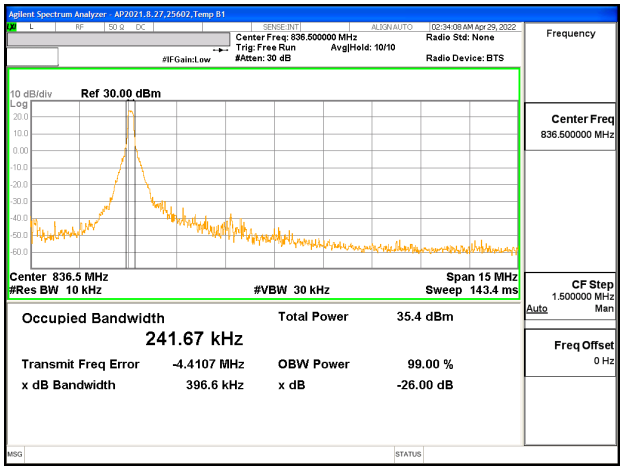
LTE B26 3MHz QPSK Middle Channel RB15-0



LTE B26 5MHz QPSK Middle Channel RB25-0



LTE B26 10MHz QPSK Middle Channel RB50-0



LTE B26 10MHz QPSK Middle Channel RB1-0

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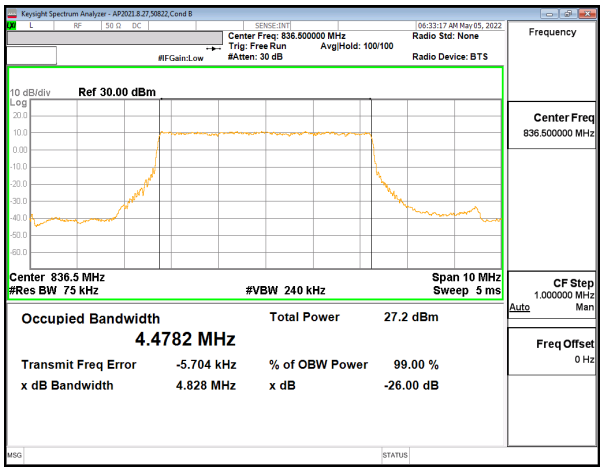
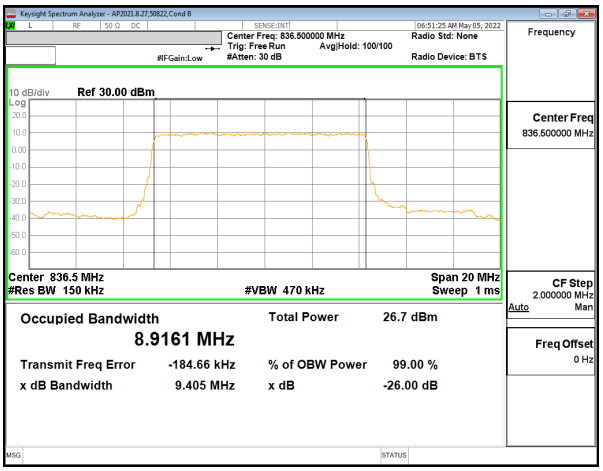
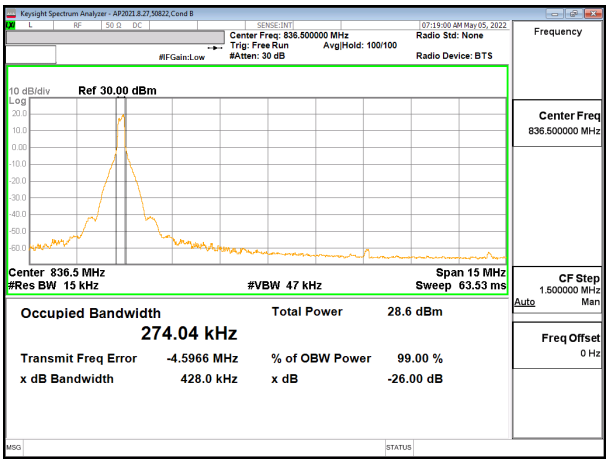
5G NR n26



5G NR n26 5MHz BPSK Middle Channel RB25-0



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



5G NR n26 10MHz BPSK Middlle Channel RB1-0

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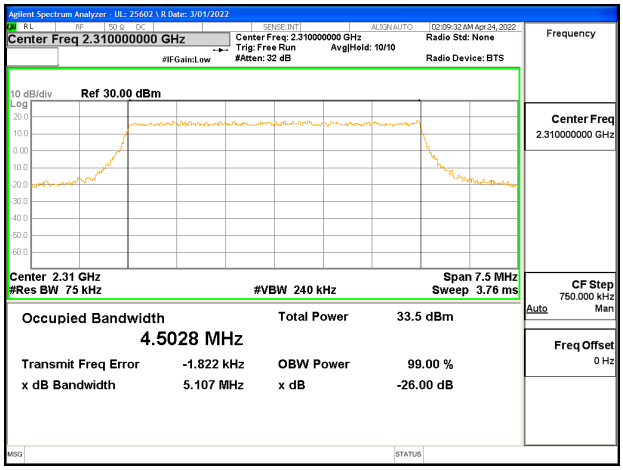
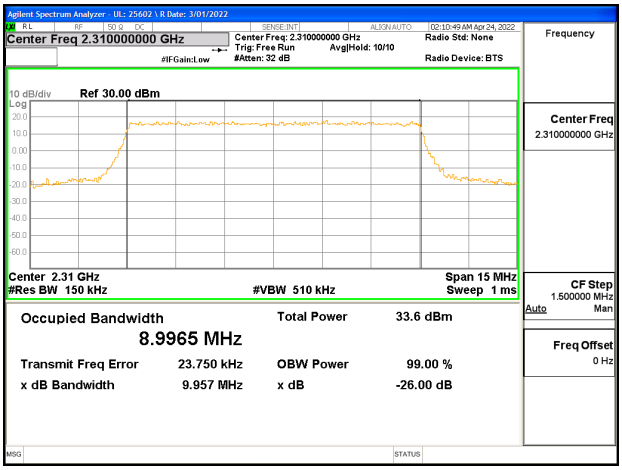
9.1.10. LTE BAND 30 AND 5G NR n30

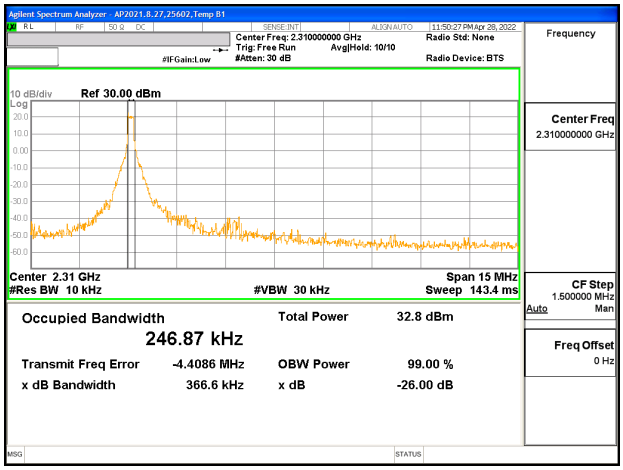
LTE BAND 30



LTE B30 5MHz QPSK Middle Channel RB25-0



LTE B30 10MHz QPSK Middle Channel RB50-0



LTE B30 10MHz QPSK Middle Channel RB1-0

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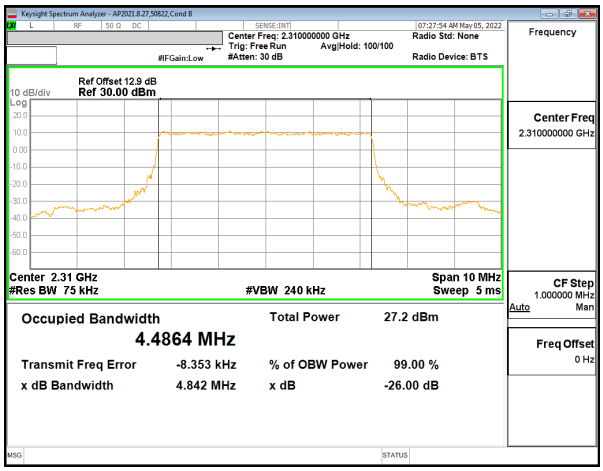
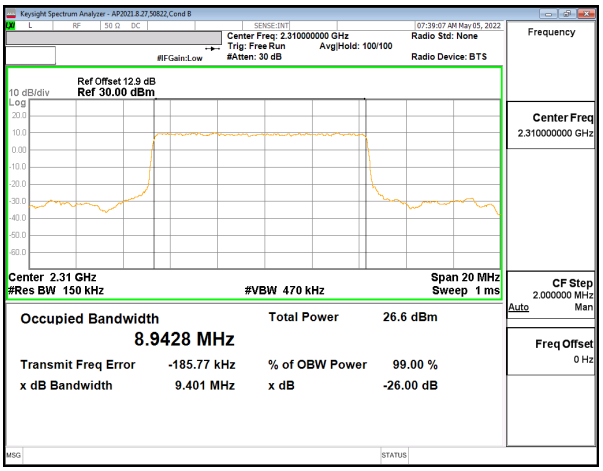
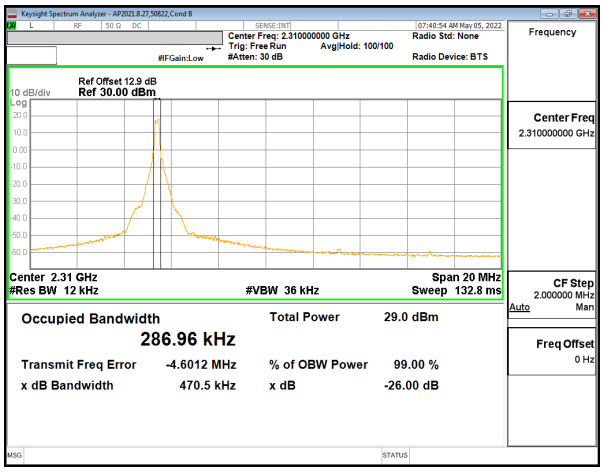
5G NR n30



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



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



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

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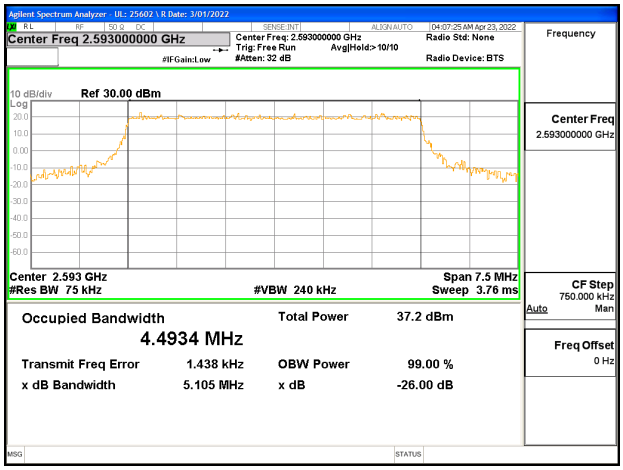
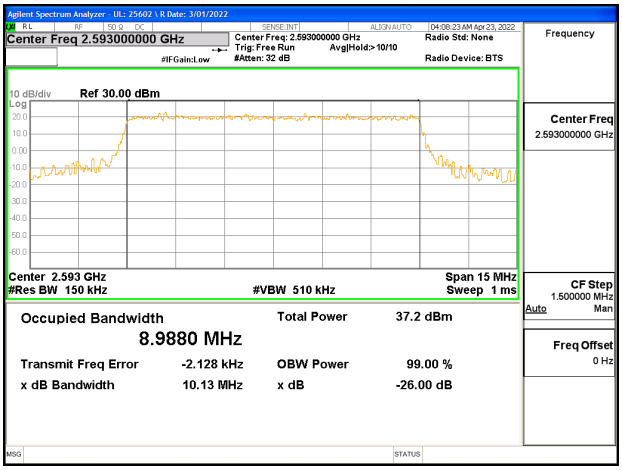
9.1.12. LTE BAND 41 AND 5G NR n41

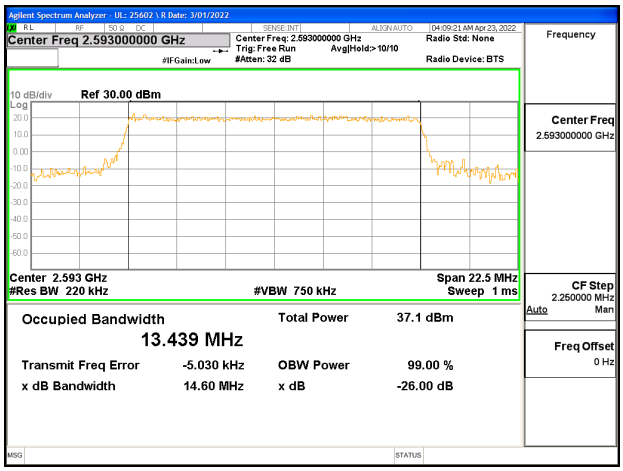
LTE BAND 41



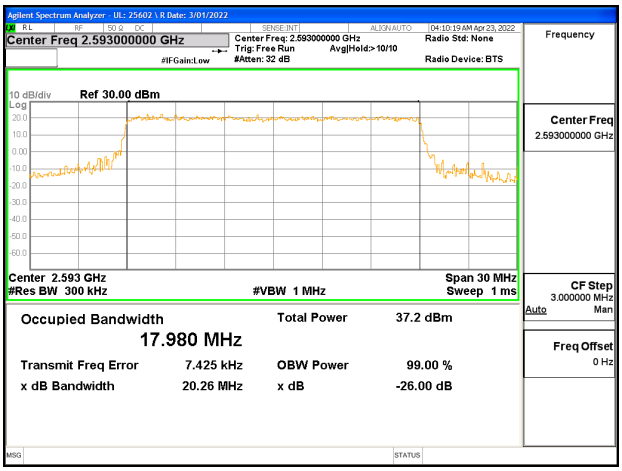
LTE B41 5MHz QPSK Middle Channel RB25-0



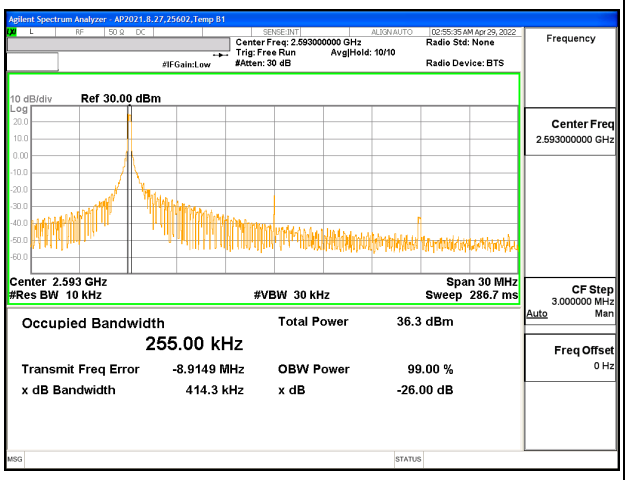
LTE B41 10MHz QPSK Middle Channel RB50-0



LTE B41 15MHz QPSK Middle Channel RB75-0



LTE B41 20MHz QPSK Middle Channel RB100-0



LTE B41 20MHz QPSK Middle Channel RB1-0

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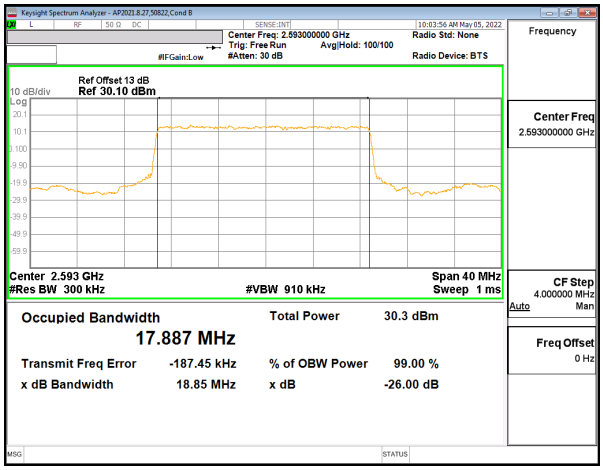
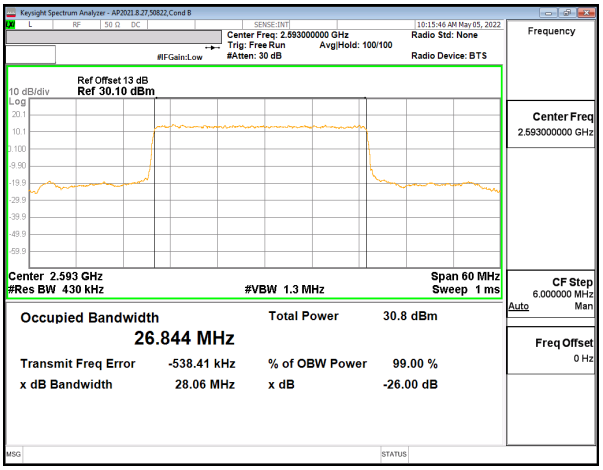
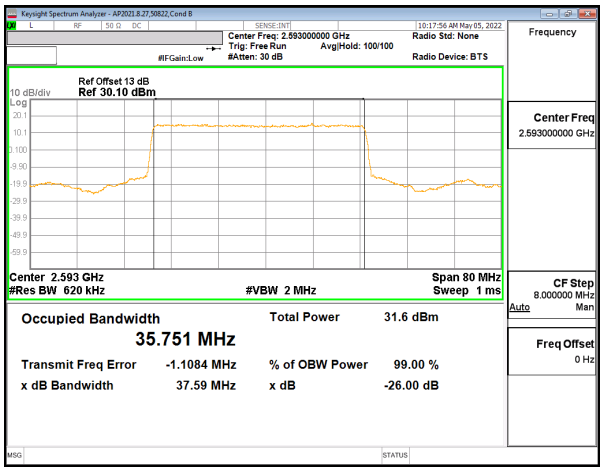
5G NR n41



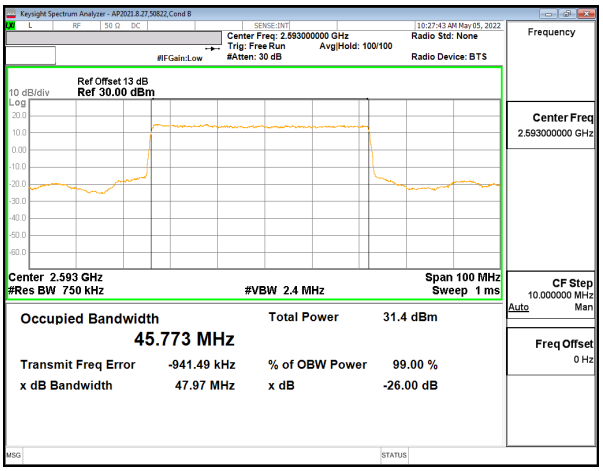
5G NR n41 20MHz BPSK Middle Channel RB50-0



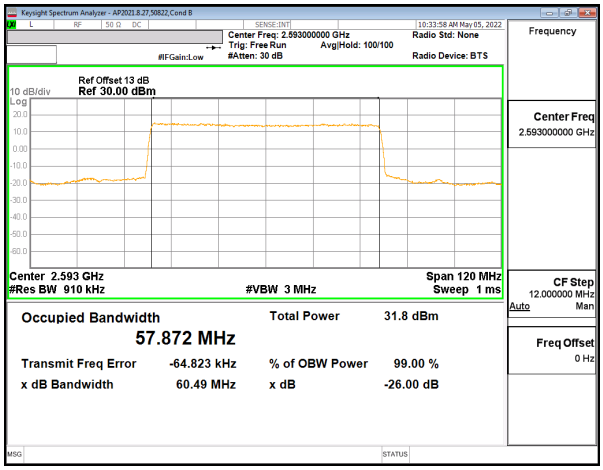
5G NR n41 30MHz BPSK Middle Channel RB75-0



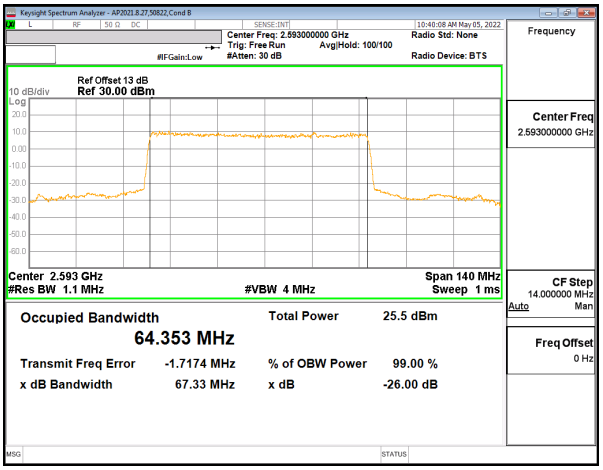
5G NR n41 40MHz BPSK Middle Channel RB100-0



5G NR n41 50MHz BPSK Middle Channel RB128-0



5G NR n41 60MHz BPSK Middle Channel RB162-0



5G NR n41 70MHz BPSK Middle Channel RB180-0

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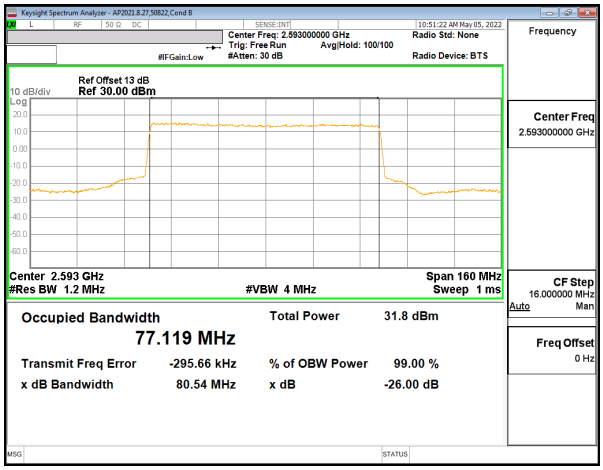
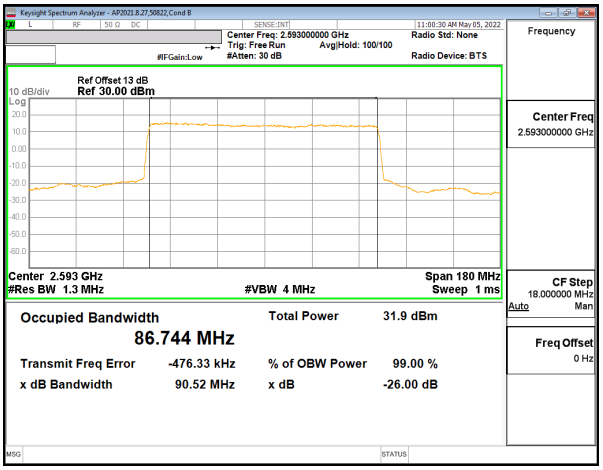
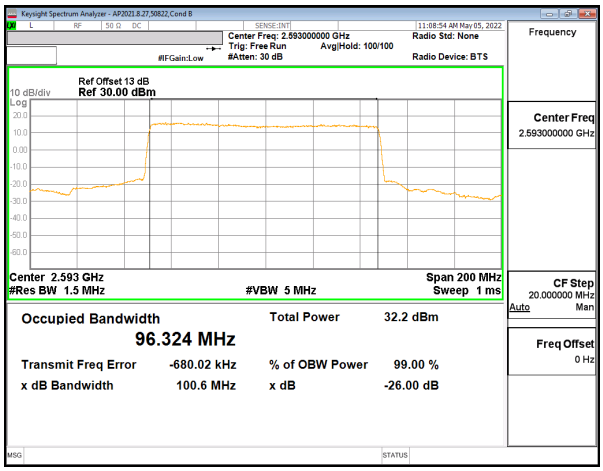


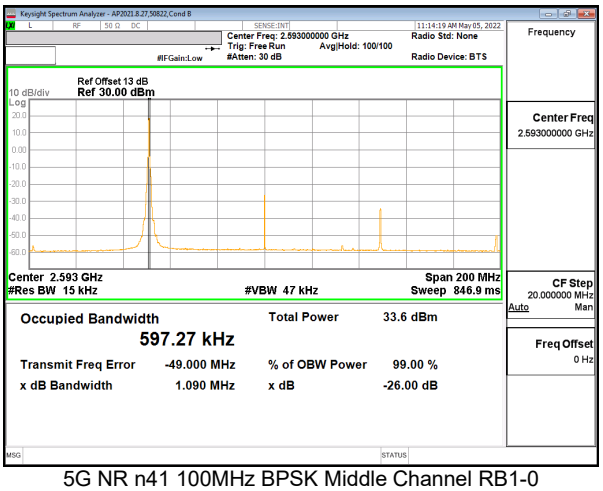
5G NR n41 80MHz BPSK Middle Channel RB216-0



5G NR n41 90MHz BPSK Middle Channel RB243-0



5G NR n41 100MHz BPSK Middle Channel RB270-0



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

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