



CERTIFICATION TEST REPORT

Report Number. : 4789899747-E2V3

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-H111U

FCC ID : A3LSMH111U

EUT Description : Communication Module

Test Standard(s) : FCC CFR47 PART 22 SUBPART H
FCC CFR47 PART 24 SUBPART E
FCC CFR47 PART 27 SUBPART D
FCC CFR47 PART 27 SUBPART F
FCC CFR47 PART 27 SUBPART H
FCC CFR47 PART 27 SUBPART L
FCC CFR47 PART 27 SUBPART M
FCC CFR47 PART 27 SUBPART N
FCC CFR47 PART 27 SUBPART O
FCC CFR47 PART 27 SUBPART Q
FCC CFR47 PART 90 SUBPART R

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ACCREDITED

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TL-637

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2021-06-18	Initial issue	SunGeun Lee
V2	2021-06-25	Updated to address TCB'S qustion	SunGeun Lee
V3	2021-07-01	Updated due to ENDC combination change in n77	SunGeun Lee

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.
EUT DESCRIPTION: Communicaion Module
MODEL NUMBER: SM-H111U
SERIAL NUMBER: R3AR5005Y8P, R3AR400JQ3D, R3AR400JQHB
R3AR4053MRX, R3AR5013SJE (CONDUCTED, RADIATED)
DATE TESTED: 2021-04-13 – 2021-07-01;

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 22H, 24E, 27 D,F,H,L,M,N,O,Q and 90 R	Complies

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. 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 IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL Korea, Ltd. By:



Junwhan Lee
Suwon Lab Engineer
UL Korea, Ltd.

Tested By:



Sungeun Lee
Suwon Lab Engineer
UL Korea, Ltd.

2. TEST METHODOLOGY

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

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 22.
3. FCC CFR 47 Part 24.
4. FCC CFR 47 Part 27.
5. FCC CFR 47 Part 90.
6. ANSI TIA-603-E, 2016
7. ANSI C63.26, 2015
8. KDB 971168 D01 Power Meas License Digital Systems v03r01
9. KDB 412172 D01 Determining ERP and EIRP v01r01

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
<input checked="" type="checkbox"/>	Chamber 1
<input checked="" type="checkbox"/>	Chamber 2
<input type="checkbox"/>	Chamber 3

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$EIRP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)} + \text{Substitution Antenna Factor (dBi)}$

$ERP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)}$

(Path loss = Signal generator output – PSA reading with substitution antenna)

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.01 dB
Radiated Disturbance, 30 MHz to 1 GHz	4.26 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.90 dB
Radiated Disturbance, Above 18 GHz	5.49 dB

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

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2007.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a Communication Module.
 This test report addresses the WWAN operational mode.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum average conducted output powers as follows:

WCDMA B5

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	23.5	N/A	24.3
		4183	836.6	23.8		
		4233	846.6	24.0		
HSDPA	Subtest 1	4132	826.4	22.0	0.0	23.3
		4183	836.6	22.3		
		4233	846.6	22.4		
	Subtest 2	4132	826.4	22.0	0.0	23.3
		4183	836.6	22.3		
		4233	846.6	22.5		
	Subtest 3	4132	826.4	21.6	0.5	22.8
		4183	836.6	21.8		
		4233	846.6	22.0		
	Subtest 4	4132	826.4	21.5	0.5	22.8
		4183	836.6	21.8		
		4233	846.6	21.9		
HSUPA	Subtest 1	4132	826.4	21.5	0.0	23.3
		4183	836.6	22.4		
		4233	846.6	22.5		
	Subtest 2	4132	826.4	21.8	0.5	22.8
		4183	836.6	21.6		
		4233	846.6	21.4		
	Subtest 3	4132	826.4	21.8	0.5	22.8
		4183	836.6	22.0		
		4233	846.6	22.0		
	Subtest 4	4132	826.4	21.2	0.5	22.8
		4183	836.6	21.4		
		4233	846.6	21.7		
	Subtest 5	4132	826.4	22.9	0.0	23.3
		4183	836.6	22.6		
		4233	846.6	22.9		
DC-HSDPA	Subtest 1	4132	826.4	21.7	0.0	22.5
		4183	836.6	22.0		
		4233	846.6	22.2		
	Subtest 2	4132	826.4	21.7	0.0	22.5
		4183	836.6	22.0		
		4233	846.6	22.2		
	Subtest 3	4132	826.4	21.2	0.5	22.0
		4183	836.6	21.4		
		4233	846.6	21.6		
	Subtest 4	4132	826.4	21.2	0.5	22.0
		4183	836.6	21.4		
		4233	846.6	21.6		

WCDMA B4

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.4	N/A	24.3
		1413	1732.6	23.6		
		1513	1752.6	23.5		
HSDPA	Subtest 1	1312	1712.4	22.1	0.0	23.3
		1413	1732.6	22.3		
		1513	1752.6	22.1		
	Subtest 2	1312	1712.4	22.1	0.0	23.3
		1413	1732.6	22.3		
		1513	1752.6	22.1		
	Subtest 3	1312	1712.4	21.6	0.5	22.8
		1413	1732.6	21.8		
		1513	1752.6	21.7		
	Subtest 4	1312	1712.4	21.6	0.5	22.8
		1413	1732.6	21.8		
		1513	1752.6	21.6		
HSUPA	Subtest 1	1312	1712.4	21.5	0.0	23.3
		1413	1732.6	21.8		
		1513	1752.6	22.0		
	Subtest 2	1312	1712.4	21.7	0.5	22.8
		1413	1732.6	21.8		
		1513	1752.6	21.7		
	Subtest 3	1312	1712.4	21.9	0.5	22.8
		1413	1732.6	21.7		
		1513	1752.6	22.0		
	Subtest 4	1312	1712.4	21.2	0.5	22.8
		1413	1732.6	21.4		
		1513	1752.6	21.1		
	Subtest 5	1312	1712.4	22.4	0.0	23.3
		1413	1732.6	22.6		
		1513	1752.6	22.4		
DC-HSDPA	Subtest 1	1312	1712.4	22.1	0.0	22.5
		1413	1732.6	22.2		
		1513	1752.6	22.1		
	Subtest 2	1312	1712.4	22.0	0.0	22.5
		1413	1732.6	22.2		
		1513	1752.6	22.1		
	Subtest 3	1312	1712.4	21.5	0.5	22.0
		1413	1732.6	21.7		
		1513	1752.6	21.6		
	Subtest 4	1312	1712.4	21.5	0.5	22.0
		1413	1732.6	21.7		
		1513	1752.6	21.6		

WCDMA B2

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	23.4	N/A	24.3
		9400	1880.0	23.2		
		9538	1907.6	23.2		
HSDPA	Subtest 1	9262	1852.4	22.2	0	23.3
		9400	1880.0	22.1		
		9538	1907.6	22.0		
	Subtest 2	9262	1852.4	22.0	0	23.3
		9400	1880.0	21.9		
		9538	1907.6	21.8		
	Subtest 3	9262	1852.4	21.6	0.5	22.8
		9400	1880.0	21.4		
		9538	1907.6	21.4		
	Subtest 4	9262	1852.4	21.6	0.5	22.8
		9400	1880.0	21.4		
		9538	1907.6	21.4		
HSUPA	Subtest 1	9262	1852.4	21.5	0.0	23.3
		9400	1880.0	21.4		
		9538	1907.6	21.8		
	Subtest 2	9262	1852.4	21.8	0.0	23.3
		9400	1880.0	21.8		
		9538	1907.6	21.7		
	Subtest 3	9262	1852.4	22.0	0.5	22.8
		9400	1880.0	21.9		
		9538	1907.6	21.8		
	Subtest 4	9262	1852.4	21.1	0.5	22.8
		9400	1880.0	21.0		
		9538	1907.6	20.9		
	Subtest 5	9262	1852.4	22.2	0	23.3
		9400	1880.0	22.4		
		9538	1907.6	22.3		
DC-HSDPA	Subtest 1	9262	1852.4	22.0	0	22.5
		9400	1880.0	21.8		
		9538	1907.6	21.8		
	Subtest 2	9262	1852.4	22.0	0	22.5
		9400	1880.0	21.8		
		9538	1907.6	21.8		
	Subtest 3	9262	1852.4	21.5	0.5	22.0
		9400	1880.0	21.3		
		9538	1907.6	21.3		
	Subtest 4	9262	1852.4	21.5	0.5	22.0
		9400	1880.0	21.3		
		9538	1907.6	21.3		

LTE Band 2

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				18700	18900	19100		
				1860 MHz	1880 MHz	1900 MHz		
20 MHz	QPSK	1	0	23.31	23.26	23.19	0.0	24.8
		1	49	23.31	23.29	23.27	0.0	24.8
		1	99	23.29	23.22	23.18	0.0	24.8
		50	0	22.39	22.19	22.09	1.0	23.8
		50	24	22.32	22.26	22.20	1.0	23.8
		50	50	22.33	22.18	22.09	1.0	23.8
		100	0	22.34	22.16	22.06	1.0	23.8
	16QAM	1	0	22.76	22.83	22.51	1.0	23.8
		1	49	22.77	22.90	22.47	1.0	23.8
		1	99	22.76	22.75	22.38	1.0	23.8
		50	0	21.53	21.37	21.22	2.0	22.8
		50	24	21.47	21.42	21.35	2.0	22.8
		50	50	21.45	21.32	21.24	2.0	22.8
		100	0	21.49	21.34	21.17	2.0	22.8
	64QAM	1	0	21.90	21.51	21.57	2.0	22.8
		1	49	21.97	21.53	21.60	2.0	22.8
		1	99	21.91	21.55	21.46	2.0	22.8
		50	0	20.65	20.44	20.30	3.0	21.8
		50	24	20.61	20.50	20.40	3.0	21.8
		50	50	20.56	20.38	20.33	3.0	21.8
		100	0	20.55	20.38	20.25	3.0	21.8
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18675	18900	19125		
				1857.5 MHz	1880 MHz	1902.5 MHz		
15 MHz	QPSK	1	0	23.24	23.10	23.09	0.0	24.8
		1	37	23.29	23.20	23.17	0.0	24.8
		1	74	23.21	23.09	23.07	0.0	24.8
		36	0	22.38	22.19	22.08	1.0	23.8
		36	20	22.35	22.20	22.15	1.0	23.8
		36	39	22.28	22.15	22.05	1.0	23.8
		75	0	22.35	22.19	22.04	1.0	23.8
	16QAM	1	0	22.25	22.55	22.47	1.0	23.8
		1	37	22.26	22.60	22.41	1.0	23.8
		1	74	22.18	22.50	22.32	1.0	23.8
		36	0	21.56	21.41	21.16	2.0	22.8
		36	20	21.50	21.42	21.28	2.0	22.8
		36	39	21.49	21.35	21.19	2.0	22.8
		75	0	21.48	21.35	21.16	2.0	22.8
	64QAM	1	0	21.68	21.95	21.54	2.0	22.8
		1	37	21.68	21.91	21.68	2.0	22.8
		1	74	21.60	21.96	21.51	2.0	22.8
		36	0	20.64	20.39	20.29	3.0	21.8
		36	20	20.64	20.43	20.36	3.0	21.8
		36	39	20.55	20.37	20.28	3.0	21.8
		75	0	20.57	20.43	20.21	3.0	21.8

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18650	18900	19150		
				1855 MHz	1880 MHz	1905 MHz		
10 MHz	QPSK	1	0	23.41	23.30	23.14	0.0	24.8
		1	25	23.45	23.24	23.12	0.0	24.8
		1	49	23.40	23.22	23.04	0.0	24.8
		25	0	22.44	22.35	22.17	1.0	23.8
		25	12	22.47	22.31	22.15	1.0	23.8
		25	25	22.42	22.26	21.99	1.0	23.8
		50	0	22.47	22.28	22.09	1.0	23.8
	16QAM	1	0	22.49	22.29	22.56	1.0	23.8
		1	25	22.49	22.22	22.52	1.0	23.8
		1	49	22.46	22.20	22.43	1.0	23.8
		25	0	21.68	21.52	21.37	2.0	22.8
		25	12	21.71	21.48	21.36	2.0	22.8
		25	25	21.66	21.46	21.19	2.0	22.8
		50	0	21.60	21.38	21.23	2.0	22.8
	64QAM	1	0	21.70	21.80	21.51	2.0	22.8
		1	25	21.80	21.81	21.52	2.0	22.8
		1	49	21.69	21.70	21.39	2.0	22.8
		25	0	20.66	20.50	20.37	3.0	21.8
25		12	20.67	20.46	20.38	3.0	21.8	
25		25	20.62	20.42	20.16	3.0	21.8	
50		0	20.55	20.40	20.18	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18625	18900	19175		
				1852.5 MHz	1880 MHz	1907.5 MHz		
5 MHz	QPSK	1	0	23.54	23.46	23.26	0.0	24.8
		1	12	23.50	23.40	23.17	0.0	24.8
		1	24	23.58	23.40	23.20	0.0	24.8
		12	0	22.49	22.33	22.18	1.0	23.8
		12	7	22.47	22.31	22.10	1.0	23.8
		12	13	22.47	22.26	21.96	1.0	23.8
		25	0	22.45	22.31	22.09	1.0	23.8
	16QAM	1	0	22.92	22.40	22.55	1.0	23.8
		1	12	22.93	22.36	22.40	1.0	23.8
		1	24	22.94	22.36	22.42	1.0	23.8
		12	0	21.75	21.53	21.36	2.0	22.8
		12	7	21.73	21.54	21.30	2.0	22.8
		12	13	21.72	21.46	21.20	2.0	22.8
		25	0	21.67	21.41	21.27	2.0	22.8
	64QAM	1	0	21.79	21.34	21.55	2.0	22.8
		1	12	21.85	21.30	21.52	2.0	22.8
		1	24	21.88	21.32	21.50	2.0	22.8
		12	0	20.62	20.47	20.29	3.0	21.8
12		7	20.60	20.46	20.20	3.0	21.8	
12		13	20.62	20.39	20.07	3.0	21.8	
25		0	20.60	20.41	20.20	3.0	21.8	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18615	18900	19185		
				1851.5 MHz	1880 MHz	1908.5 MHz		
3 MHz	QPSK	1	0	23.38	23.21	23.02	0.0	24.8
		1	8	23.45	23.20	23.06	0.0	24.8
		1	14	23.40	23.19	23.04	0.0	24.8
		8	0	22.43	22.25	22.08	1.0	23.8
		8	4	22.46	22.24	22.05	1.0	23.8
		8	7	22.44	22.21	22.06	1.0	23.8
		15	0	22.42	22.26	22.07	1.0	23.8
	16QAM	1	0	22.79	22.31	22.02	1.0	23.8
		1	8	22.81	22.27	22.02	1.0	23.8
		1	14	22.83	22.26	21.95	1.0	23.8
		8	0	21.64	21.51	21.38	2.0	22.8
		8	4	21.66	21.50	21.34	2.0	22.8
		8	7	21.66	21.46	21.33	2.0	22.8
		15	0	21.63	21.38	21.27	2.0	22.8
	64QAM	1	0	21.69	21.76	21.38	2.0	22.8
		1	8	21.67	21.76	21.42	2.0	22.8
		1	14	21.63	21.73	21.40	2.0	22.8
		8	0	20.41	20.47	20.27	3.0	21.8
8		4	20.42	20.48	20.26	3.0	21.8	
8		7	20.40	20.44	20.22	3.0	21.8	
15		0	20.59	20.35	20.21	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18607	18900	19193		
				1850.7 MHz	1880 MHz	1909.3 MHz		
1.4 MHz	QPSK	1	0	23.54	23.22	22.98	0.0	24.8
		1	3	23.53	23.22	22.96	0.0	24.8
		1	5	23.57	23.21	22.98	0.0	24.8
		3	0	23.37	23.22	23.06	0.0	24.8
		3	1	23.41	23.22	23.05	0.0	24.8
		3	3	23.41	23.21	23.05	0.0	24.8
		6	0	22.45	22.30	22.08	1.0	23.8
	16QAM	1	0	22.53	22.65	22.06	1.0	23.8
		1	3	22.53	22.62	22.01	1.0	23.8
		1	5	22.57	22.64	22.07	1.0	23.8
		3	0	22.47	22.49	22.21	1.0	23.8
		3	1	22.47	22.49	22.18	1.0	23.8
		3	3	22.48	22.44	22.17	1.0	23.8
		6	0	21.72	21.32	21.39	2.0	22.8
	64QAM	1	0	21.62	21.57	21.30	2.0	22.8
		1	3	21.60	21.63	21.33	2.0	22.8
		1	5	21.69	21.58	21.27	2.0	22.8
		3	0	21.41	21.60	21.26	2.0	22.8
		3	1	21.40	21.60	21.23	2.0	22.8
		3	3	21.40	21.57	21.25	2.0	22.8
		6	0	20.51	20.26	20.43	3.0	21.8

LTE Band 4

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20050	20175	20300		
				1720 MHz	1732.5 MHz	1745 MHz		
20 MHz	QPSK	1	0	23.17	23.19	23.28	0.0	24.8
		1	49	23.39	23.31	23.40	0.0	24.8
		1	99	23.30	23.26	23.30	0.0	24.8
		50	0	22.25	22.47	22.45	1.0	23.8
		50	24	22.37	22.48	22.48	1.0	23.8
		50	50	22.46	22.43	22.50	1.0	23.8
		100	0	22.34	22.46	22.52	1.0	23.8
	16QAM	1	0	22.56	22.72	22.93	1.0	23.8
		1	49	22.79	22.86	22.96	1.0	23.8
		1	99	22.69	22.76	22.94	1.0	23.8
		50	0	21.25	21.41	21.51	2.0	22.8
		50	24	21.39	21.42	21.48	2.0	22.8
		50	50	21.46	21.38	21.48	2.0	22.8
		100	0	21.30	21.41	21.49	2.0	22.8
	64QAM	1	0	21.86	21.51	21.67	2.0	22.8
		1	49	21.98	21.65	21.81	2.0	22.8
		1	99	21.99	21.58	21.71	2.0	22.8
		50	0	20.29	20.45	20.54	3.0	21.8
		50	24	20.43	20.47	20.54	3.0	21.8
		50	50	20.45	20.44	20.51	3.0	21.8
		100	0	20.32	20.44	20.50	3.0	21.8
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20025	20175	20325		
				1717.5 MHz	1732.5 MHz	1747.5 MHz		
15 MHz	QPSK	1	0	23.07	23.29	23.16	0.0	24.8
		1	37	23.20	23.31	23.23	0.0	24.8
		1	74	23.15	23.19	23.18	0.0	24.8
		36	0	22.25	22.41	22.43	1.0	23.8
		36	20	22.34	22.39	22.41	1.0	23.8
		36	39	22.38	22.39	22.45	1.0	23.8
		75	0	22.31	22.40	22.41	1.0	23.8
	16QAM	1	0	22.63	22.73	22.26	1.0	23.8
		1	37	22.71	22.73	22.34	1.0	23.8
		1	74	22.67	22.70	22.28	1.0	23.8
		36	0	21.35	21.40	21.42	2.0	22.8
		36	20	21.42	21.38	21.39	2.0	22.8
		36	39	21.47	21.35	21.43	2.0	22.8
		75	0	21.35	21.37	21.45	2.0	22.8
	64QAM	1	0	21.87	21.69	21.52	2.0	22.8
		1	37	21.97	21.73	21.58	2.0	22.8
		1	74	21.96	21.64	21.54	2.0	22.8
		36	0	20.31	20.45	20.46	3.0	21.8
		36	20	20.39	20.47	20.52	3.0	21.8
		36	39	20.42	20.44	20.51	3.0	21.8
		75	0	20.35	20.45	20.48	3.0	21.8

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20000	20175	20350		
				1715 MHz	1732.5 MHz	1750 MHz		
10 MHz	QPSK	1	0	23.22	23.28	23.27	0.0	24.8
		1	25	23.27	23.23	23.26	0.0	24.8
		1	49	23.24	23.24	23.30	0.0	24.8
		25	0	22.21	22.40	22.41	1.0	23.8
		25	12	22.30	22.40	22.41	1.0	23.8
		25	25	22.36	22.39	22.48	1.0	23.8
		50	0	22.34	22.47	22.48	1.0	23.8
	16QAM	1	0	22.63	22.42	22.31	1.0	23.8
		1	25	22.72	22.44	22.30	1.0	23.8
		1	49	22.72	22.38	22.30	1.0	23.8
		25	0	21.28	21.53	21.42	2.0	22.8
		25	12	21.37	21.50	21.43	2.0	22.8
		25	25	21.42	21.49	21.53	2.0	22.8
		50	0	21.35	21.39	21.39	2.0	22.8
	64QAM	1	0	21.53	21.63	21.71	2.0	22.8
		1	25	21.62	21.64	21.69	2.0	22.8
		1	49	21.62	21.55	21.71	2.0	22.8
		25	0	20.38	20.54	20.47	3.0	21.8
25		12	20.47	20.52	20.46	3.0	21.8	
25		25	20.52	20.49	20.53	3.0	21.8	
50		0	20.43	20.46	20.45	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				19975	20175	20375		
				1712.5 MHz	1732.5 MHz	1752.5 MHz		
5 MHz	QPSK	1	0	23.30	23.48	23.52	0.0	24.8
		1	12	23.27	23.41	23.43	0.0	24.8
		1	24	23.37	23.44	23.51	0.0	24.8
		12	0	22.37	22.47	22.50	1.0	23.8
		12	7	22.41	22.42	22.48	1.0	23.8
		12	13	22.45	22.43	22.47	1.0	23.8
		25	0	22.41	22.45	22.49	1.0	23.8
	16QAM	1	0	22.97	22.53	22.72	1.0	23.8
		1	12	22.99	22.52	22.71	1.0	23.8
		1	24	22.90	22.51	22.75	1.0	23.8
		12	0	21.50	21.52	21.52	2.0	22.8
		12	7	21.50	21.47	21.54	2.0	22.8
		12	13	21.55	21.48	21.53	2.0	22.8
		25	0	21.45	21.41	21.52	2.0	22.8
	64QAM	1	0	21.58	21.39	21.78	2.0	22.8
		1	12	21.67	21.35	21.78	2.0	22.8
		1	24	21.68	21.36	21.79	2.0	22.8
		12	0	20.39	20.50	20.37	3.0	21.8
12		7	20.42	20.44	20.40	3.0	21.8	
12		13	20.48	20.44	20.39	3.0	21.8	
25		0	20.40	20.43	20.43	3.0	21.8	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				19965	20175	20385		
				1711.5 MHz	1732.5 MHz	1753.5 MHz		
3 MHz	QPSK	1	0	23.15	23.29	23.24	0.0	24.8
		1	8	23.21	23.26	23.31	0.0	24.8
		1	14	23.20	23.25	23.31	0.0	24.8
		8	0	22.36	22.42	22.48	1.0	23.8
		8	4	22.35	22.41	22.45	1.0	23.8
		8	7	22.34	22.41	22.46	1.0	23.8
		15	0	22.34	22.43	22.48	1.0	23.8
	16QAM	1	0	22.70	22.50	22.34	1.0	23.8
		1	8	22.74	22.49	22.39	1.0	23.8
		1	14	22.77	22.47	22.34	1.0	23.8
		8	0	21.43	21.46	21.60	2.0	22.8
		8	4	21.42	21.46	21.58	2.0	22.8
		8	7	21.42	21.45	21.59	2.0	22.8
		15	0	21.38	21.37	21.51	2.0	22.8
	64QAM	1	0	21.56	21.70	21.53	2.0	22.8
		1	8	21.56	21.74	21.58	2.0	22.8
		1	14	21.53	21.68	21.60	2.0	22.8
		8	0	20.30	20.43	20.45	3.0	21.8
8		4	20.29	20.44	20.46	3.0	21.8	
8		7	20.30	20.42	20.43	3.0	21.8	
15		0	20.36	20.36	20.46	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				19957	20175	20393		
				1710.7 MHz	1732.5 MHz	1754.3 MHz		
1.4 MHz	QPSK	1	0	23.07	23.23	23.40	0.0	24.8
		1	3	23.12	23.26	23.39	0.0	24.8
		1	5	23.13	23.25	23.41	0.0	24.8
		3	0	23.10	23.24	23.28	0.0	24.8
		3	1	23.11	23.25	23.30	0.0	24.8
		3	3	23.14	23.27	23.31	0.0	24.8
		6	0	22.32	22.43	22.49	1.0	23.8
	16QAM	1	0	22.70	22.47	22.58	1.0	23.8
		1	3	22.71	22.44	22.60	1.0	23.8
		1	5	22.73	22.48	22.60	1.0	23.8
		3	0	22.54	22.57	22.53	1.0	23.8
		3	1	22.51	22.57	22.51	1.0	23.8
		3	3	22.55	22.57	22.50	1.0	23.8
		6	0	21.20	21.57	21.60	2.0	22.8
	64QAM	1	0	21.59	21.62	21.64	2.0	22.8
		1	3	21.72	21.62	21.62	2.0	22.8
		1	5	21.63	21.58	21.66	2.0	22.8
		3	0	21.60	21.50	21.41	2.0	22.8
		3	1	21.61	21.51	21.40	2.0	22.8
		3	3	21.65	21.53	21.40	2.0	22.8
		6	0	20.29	20.68	20.49	3.0	21.8

LTE Band 5

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20450	20525	20600		
				829 MHz	836.5 MHz	844 MHz		
10 MHz	QPSK	1	0	24.26	24.21	24.21	0.0	25.0
		1	25	24.30	24.21	24.06	0.0	25.0
		1	49	24.23	24.19	24.03	0.0	25.0
		25	0	23.38	23.26	23.02	1.0	24.0
		25	12	23.28	23.21	23.12	1.0	24.0
		25	25	23.18	23.22	22.99	1.0	24.0
		50	0	23.33	23.28	23.03	1.0	24.0
	16QAM	1	0	23.29	23.17	23.53	1.0	24.0
		1	25	23.32	23.15	23.43	1.0	24.0
		1	49	23.26	23.14	23.40	1.0	24.0
		25	0	22.44	22.30	22.06	2.0	23.0
		25	12	22.36	22.21	22.13	2.0	23.0
		25	25	22.26	22.24	22.02	2.0	23.0
		50	0	22.34	22.21	22.02	2.0	23.0
	64QAM	1	0	22.39	22.57	22.28	2.0	23.0
		1	25	22.45	22.56	22.27	2.0	23.0
		1	49	22.35	22.43	22.25	2.0	23.0
		25	0	21.44	21.30	21.10	3.0	22.0
		25	12	21.35	21.23	21.17	3.0	22.0
		25	25	21.25	21.25	21.07	3.0	22.0
		50	0	21.25	21.25	21.04	3.0	22.0
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20425	20525	20625		
				826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.39	24.39	24.14	0.0	25.0
		1	12	24.41	24.37	24.12	0.0	25.0
		1	24	24.38	24.31	24.11	0.0	25.0
		12	0	23.28	23.23	23.19	1.0	24.0
		12	7	23.28	23.23	23.12	1.0	24.0
		12	13	23.22	23.18	23.06	1.0	24.0
		25	0	23.26	23.23	23.09	1.0	24.0
	16QAM	1	0	23.37	23.48	23.63	1.0	24.0
		1	12	23.34	23.48	23.74	1.0	24.0
		1	24	23.35	23.44	23.70	1.0	24.0
		12	0	22.32	22.30	22.24	2.0	23.0
		12	7	22.31	22.28	22.18	2.0	23.0
		12	13	22.25	22.23	22.16	2.0	23.0
		25	0	22.20	22.25	22.15	2.0	23.0
	64QAM	1	0	22.54	22.16	22.32	2.0	23.0
		1	12	22.56	22.15	22.37	2.0	23.0
		1	24	22.56	22.12	22.34	2.0	23.0
		12	0	21.30	21.24	21.09	3.0	22.0
		12	7	21.31	21.22	21.00	3.0	22.0
		12	13	21.27	21.17	20.97	3.0	22.0
		25	0	21.27	21.18	21.05	3.0	22.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20415	20525	20635		
				825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.27	24.15	24.05	0.0	25.0
		1	8	24.32	24.23	24.08	0.0	25.0
		1	14	24.28	24.20	24.01	0.0	25.0
		8	0	23.30	23.19	23.09	1.0	24.0
		8	4	23.27	23.18	23.10	1.0	24.0
		8	7	23.26	23.21	23.08	1.0	24.0
		15	0	23.32	23.22	23.09	1.0	24.0
	16QAM	1	0	23.35	23.19	23.39	1.0	24.0
		1	8	23.40	23.17	23.43	1.0	24.0
		1	14	23.31	23.10	23.41	1.0	24.0
		8	0	22.34	22.29	22.14	2.0	23.0
		8	4	22.33	22.30	22.16	2.0	23.0
		8	7	22.32	22.31	22.13	2.0	23.0
	64QAM	15	0	22.23	22.23	22.10	2.0	23.0
		1	0	22.48	22.51	22.24	2.0	23.0
		1	8	22.53	22.56	22.28	2.0	23.0
		1	14	22.43	22.49	22.19	2.0	23.0
		8	0	21.24	21.23	21.10	3.0	22.0
8		4	21.23	21.23	21.11	3.0	22.0	
8		7	21.21	21.23	21.06	3.0	22.0	
15	0	21.30	21.15	21.07	3.0	22.0		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20407	20525	20643		
				824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.35	24.24	23.98	0.0	25.0
		1	3	24.35	24.20	23.99	0.0	25.0
		1	5	24.39	24.22	23.98	0.0	25.0
		3	0	24.26	24.20	24.07	0.0	25.0
		3	1	24.27	24.18	24.09	0.0	25.0
		3	3	24.26	24.16	24.10	0.0	25.0
		6	0	23.30	23.20	23.11	1.0	24.0
	16QAM	1	0	23.41	23.55	23.07	1.0	24.0
		1	3	23.41	23.58	23.05	1.0	24.0
		1	5	23.48	23.55	23.08	1.0	24.0
		3	0	23.34	23.40	23.22	1.0	24.0
		3	1	23.33	23.41	23.21	1.0	24.0
		3	3	23.32	23.37	23.22	1.0	24.0
		6	0	22.40	22.08	22.21	2.0	23.0
	64QAM	1	0	22.58	22.33	22.19	2.0	23.0
		1	3	22.65	22.35	22.18	2.0	23.0
		1	5	22.65	22.32	22.21	2.0	23.0
		3	0	22.56	22.30	22.02	2.0	23.0
		3	1	22.55	22.30	22.01	2.0	23.0
		3	3	22.54	22.27	22.01	2.0	23.0
		6	0	21.18	21.45	21.13	3.0	22.0

LTE Band 7

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	22.85	22.82	22.87	0.0	24.8
		1	49	22.94	22.89	23.03	0.0	24.8
		1	99	22.91	22.87	23.03	0.0	24.8
		50	0	21.87	21.99	21.87	1.0	23.8
		50	24	21.90	21.94	22.02	1.0	23.8
		50	50	22.03	21.85	21.99	1.0	23.8
		100	0	21.98	21.93	21.95	1.0	23.8
	16QAM	1	0	22.05	22.25	22.40	1.0	23.8
		1	49	22.27	22.30	22.59	1.0	23.8
		1	99	22.23	22.27	22.61	1.0	23.8
		50	0	20.90	20.96	20.93	2.0	22.8
		50	24	20.90	20.87	21.03	2.0	22.8
		50	50	21.00	20.76	21.00	2.0	22.8
		100	0	20.94	20.88	20.92	2.0	22.8
	64QAM	1	0	21.34	21.00	21.16	2.0	22.8
		1	49	21.49	21.10	21.27	2.0	22.8
		1	99	21.45	21.05	21.30	2.0	22.8
		50	0	19.87	19.96	19.91	3.0	21.8
		50	24	19.84	19.85	20.02	3.0	21.8
		50	50	19.96	19.76	19.99	3.0	21.8
		100	0	19.90	19.83	19.86	3.0	21.8
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20825	21100	21375		
				2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	22.76	22.73	22.80	0.0	24.8
		1	37	22.85	22.82	22.97	0.0	24.8
		1	74	22.84	22.76	22.93	0.0	24.8
		36	0	21.79	21.93	21.96	1.0	23.8
		36	20	21.83	21.83	22.00	1.0	23.8
		36	39	21.85	21.78	21.97	1.0	23.8
		75	0	21.87	21.87	21.98	1.0	23.8
	16QAM	1	0	22.09	21.72	22.20	1.0	23.8
		1	37	22.23	21.76	22.36	1.0	23.8
		1	74	22.27	21.75	22.35	1.0	23.8
		36	0	20.82	20.91	21.01	2.0	22.8
		36	20	20.83	20.83	21.06	2.0	22.8
		36	39	20.85	20.79	21.02	2.0	22.8
		75	0	20.87	20.85	20.99	2.0	22.8
	64QAM	1	0	20.95	21.38	21.11	2.0	22.8
		1	37	21.02	21.47	21.26	2.0	22.8
		1	74	20.99	21.42	21.27	2.0	22.8
		36	0	19.89	19.88	19.98	3.0	21.8
		36	20	19.90	19.79	19.99	3.0	21.8
		36	39	19.91	19.80	19.96	3.0	21.8
		75	0	19.88	19.89	19.96	3.0	21.8

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	22.77	22.81	22.92	0.0	24.8
		1	25	22.81	22.81	22.99	0.0	24.8
		1	49	22.83	22.84	23.01	0.0	24.8
		25	0	21.90	21.92	22.05	1.0	23.8
		25	12	21.86	21.84	22.05	1.0	23.8
		25	25	21.85	21.81	22.01	1.0	23.8
		50	0	21.90	21.88	22.09	1.0	23.8
	16QAM	1	0	21.82	21.81	22.31	1.0	23.8
		1	25	21.82	21.77	22.38	1.0	23.8
		1	49	21.91	21.78	22.43	1.0	23.8
		25	0	20.98	20.96	21.13	2.0	22.8
		25	12	20.95	20.88	21.08	2.0	22.8
		25	25	20.93	20.81	21.05	2.0	22.8
		50	0	20.90	20.89	21.06	2.0	22.8
	64QAM	1	0	21.04	21.10	21.23	2.0	22.8
		1	25	20.99	21.07	21.31	2.0	22.8
		1	49	21.06	21.10	21.36	2.0	22.8
		25	0	19.97	20.02	20.09	3.0	21.8
25		12	19.90	19.93	20.07	3.0	21.8	
25		25	19.91	19.88	20.03	3.0	21.8	
50		0	19.90	19.86	20.02	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	22.91	22.91	23.07	0.0	24.8
		1	12	22.88	22.89	23.10	0.0	24.8
		1	24	22.92	22.90	23.11	0.0	24.8
		12	0	21.82	21.92	22.05	1.0	23.8
		12	7	21.77	21.87	22.02	1.0	23.8
		12	13	21.73	21.78	22.03	1.0	23.8
		25	0	21.80	21.83	22.03	1.0	23.8
	16QAM	1	0	22.12	22.43	22.07	1.0	23.8
		1	12	22.04	22.41	22.08	1.0	23.8
		1	24	22.09	22.44	22.03	1.0	23.8
		12	0	20.88	21.01	21.11	2.0	22.8
		12	7	20.79	20.96	21.06	2.0	22.8
		12	13	20.77	20.88	21.06	2.0	22.8
		25	0	20.82	20.89	20.98	2.0	22.8
	64QAM	1	0	20.61	21.17	21.27	2.0	22.8
		1	12	20.57	21.18	21.30	2.0	22.8
		1	24	20.67	21.21	21.36	2.0	22.8
		12	0	19.77	19.78	20.10	3.0	21.8
12		7	19.72	19.72	20.06	3.0	21.8	
12		13	19.67	19.67	20.07	3.0	21.8	
25		0	19.70	19.75	20.06	3.0	21.8	

LTE Band 12

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				23060	23095	23130		
				704 MHz	707.5 MHz	711 MHz		
10 MHz	QPSK	1	0	24.12	24.13	24.24	0.0	25.0
		1	25	24.18	24.21	24.28	0.0	25.0
		1	49	24.20	24.23	24.13	0.0	25.0
		25	0	23.11	23.29	23.30	1.0	24.0
		25	12	23.23	23.24	23.27	1.0	24.0
		25	25	23.15	23.19	23.27	1.0	24.0
	16QAM	50	0	23.11	23.28	23.40	1.0	24.0
		1	0	23.16	23.08	23.59	1.0	24.0
		1	25	23.20	23.17	23.62	1.0	24.0
		1	49	23.18	23.15	23.52	1.0	24.0
		25	0	22.18	22.30	22.37	2.0	23.0
		25	12	22.28	22.23	22.30	2.0	23.0
	64QAM	25	25	22.19	22.20	22.37	2.0	23.0
		50	0	22.17	22.23	22.36	2.0	23.0
		1	0	22.27	22.28	22.59	2.0	23.0
		1	25	22.35	22.37	22.61	2.0	23.0
		1	49	22.36	22.34	22.54	2.0	23.0
		25	0	21.35	21.56	21.49	3.0	22.0
5 MHz	QPSK	25	12	21.46	21.49	21.45	3.0	22.0
		25	25	21.38	21.43	21.50	3.0	22.0
		50	0	21.33	21.41	21.52	3.0	22.0
		1	0	24.20	24.37	24.31	0.0	25.0
		1	12	24.28	24.41	24.30	0.0	25.0
		1	24	24.30	24.37	24.19	0.0	25.0
	16QAM	12	0	23.12	23.29	23.23	1.0	24.0
		12	7	23.17	23.26	23.25	1.0	24.0
		12	13	23.18	23.18	23.28	1.0	24.0
		25	0	23.15	23.24	23.24	1.0	24.0
		1	0	23.27	23.52	23.83	1.0	24.0
		1	12	23.27	23.57	23.85	1.0	24.0
	64QAM	1	24	23.25	23.54	23.84	1.0	24.0
		12	0	22.15	22.33	22.32	2.0	23.0
		12	7	22.18	22.29	22.33	2.0	23.0
		12	13	22.20	22.20	22.37	2.0	23.0
		25	0	22.11	22.27	22.31	2.0	23.0
		1	0	22.41	22.34	22.18	2.0	23.0
64QAM	1	12	22.44	22.56	22.18	2.0	23.0	
	1	24	22.44	22.50	22.03	2.0	23.0	
	12	0	21.20	21.48	21.38	3.0	22.0	
	12	7	21.27	21.48	21.39	3.0	22.0	
	12	13	21.28	21.39	21.42	3.0	22.0	
	25	0	21.26	21.41	21.37	3.0	22.0	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025	23095	23165		
				700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.11	24.19	24.23	0.0	25.0
		1	8	24.12	24.26	24.28	0.0	25.0
		1	14	24.11	24.24	24.12	0.0	25.0
		8	0	23.08	23.19	23.21	1.0	24.0
		8	4	23.12	23.21	23.23	1.0	24.0
		8	7	23.12	23.23	23.21	1.0	24.0
		15	0	23.13	23.21	23.20	1.0	24.0
	16QAM	1	0	23.17	23.20	23.59	1.0	24.0
		1	8	23.18	23.20	23.60	1.0	24.0
		1	14	23.17	23.12	23.51	1.0	24.0
		8	0	22.13	22.34	22.29	2.0	23.0
		8	4	22.16	22.34	22.28	2.0	23.0
		8	7	22.16	22.33	22.28	2.0	23.0
	64QAM	15	0	22.08	22.23	22.23	2.0	23.0
		1	0	22.18	22.35	22.55	2.0	23.0
		1	8	22.26	22.38	22.63	2.0	23.0
		1	14	22.35	22.31	22.55	2.0	23.0
		8	0	21.28	21.32	21.44	3.0	22.0
8		4	21.31	21.35	21.44	3.0	22.0	
8		7	21.31	21.31	21.43	3.0	22.0	
15	0	21.32	21.38	21.36	3.0	22.0		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23017	23095	23173		
				699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	24.16	24.20	24.13	0.0	25.0
		1	3	24.19	24.22	24.10	0.0	25.0
		1	5	24.20	24.18	24.04	0.0	25.0
		3	0	24.12	24.19	24.19	0.0	25.0
		3	1	24.11	24.19	24.24	0.0	25.0
		3	3	24.14	24.17	24.24	0.0	25.0
		6	0	23.12	23.24	23.21	1.0	24.0
	16QAM	1	0	23.26	23.59	23.20	1.0	24.0
		1	3	23.31	23.58	23.16	1.0	24.0
		1	5	23.27	23.57	23.14	1.0	24.0
		3	0	23.19	23.45	23.33	1.0	24.0
		3	1	23.17	23.43	23.33	1.0	24.0
		3	3	23.20	23.39	23.32	1.0	24.0
	64QAM	6	0	22.20	22.10	22.30	2.0	23.0
		1	0	22.18	22.50	22.27	2.0	23.0
		1	3	22.20	22.56	22.33	2.0	23.0
		1	5	22.28	22.50	22.34	2.0	23.0
		3	0	22.03	22.47	22.49	2.0	23.0
3		1	22.06	22.49	22.49	2.0	23.0	
3		3	22.06	22.44	22.48	2.0	23.0	
6	0	21.30	21.33	21.61	3.0	22.0		

LTE Band 13

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
					23230			
					782 MHz			
10 MHz	QPSK	1	0		23.54		0.0	24.5
		1	25		23.72		0.0	24.5
		1	49		23.64		0.0	24.5
		25	0		22.60		1.0	23.5
		25	12		22.63		1.0	23.5
		25	25		22.69		1.0	23.5
		50	0		22.70		1.0	23.5
	16QAM	1	0		22.92		1.0	23.5
		1	25		23.09		1.0	23.5
		1	49		23.02		1.0	23.5
		25	0		21.66		2.0	22.5
		25	12		21.73		2.0	22.5
		25	25		21.78		2.0	22.5
		50	0		21.71		2.0	22.5
	64QAM	1	0		21.67		2.0	22.5
		1	25		21.86		2.0	22.5
		1	49		21.80		2.0	22.5
		25	0		20.68		3.0	21.5
		25	12		20.73		3.0	21.5
		25	25		20.84		3.0	21.5
		50	0		20.67		3.0	21.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23205	23230	23255		
				779.5 MHz	782 MHz	784.5 MHz		
5 MHz	QPSK	1	0	23.65	23.61	23.82	0.0	24.5
		1	12	23.73	23.76	23.82	0.0	24.5
		1	24	23.87	23.70	23.78	0.0	24.5
		12	0	22.61	22.67	22.65	1.0	23.5
		12	7	22.62	22.69	22.72	1.0	23.5
		12	13	22.61	22.76	22.68	1.0	23.5
		25	0	22.65	22.71	22.74	1.0	23.5
	16QAM	1	0	22.98	23.22	22.77	1.0	23.5
		1	12	22.92	23.28	22.71	1.0	23.5
		1	24	23.00	23.30	22.66	1.0	23.5
		12	0	21.65	21.79	21.71	2.0	22.5
		12	7	21.72	21.79	21.79	2.0	22.5
		12	13	21.73	21.85	21.70	2.0	22.5
		25	0	21.70	21.75	21.70	2.0	22.5
	64QAM	1	0	21.45	21.86	21.93	2.0	22.5
		1	12	21.53	22.01	21.95	2.0	22.5
		1	24	21.66	21.95	22.00	2.0	22.5
		12	0	20.64	20.59	20.71	3.0	21.5
		12	7	20.65	20.63	20.75	3.0	21.5
		12	13	20.66	20.67	20.71	3.0	21.5
		25	0	20.63	20.68	20.74	3.0	21.5

LTE Band 14

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
					23330				
				793 MHz					
10 MHz	QPSK	1	0		24.05		0.0	25.0	
		1	25		24.11		0.0	25.0	
		1	49		23.98		0.0	25.0	
		25	0		23.00		1.0	24.0	
		25	12		23.06		1.0	24.0	
		25	25		23.04		1.0	24.0	
	16QAM	50	0		23.05		1.0	24.0	
		1	0		23.41		1.0	24.0	
		1	25		23.47		1.0	24.0	
		1	49		23.32		1.0	24.0	
		25	0		22.04		2.0	23.0	
		25	12		22.12		2.0	23.0	
	64QAM	25	25		22.10		2.0	23.0	
		50	0		22.04		2.0	23.0	
		1	0		22.20		2.0	23.0	
		1	25		22.27		2.0	23.0	
		1	49		22.18		2.0	23.0	
		25	0		21.04		3.0	22.0	
5 MHz	QPSK	25	12		21.14		3.0	22.0	
		25	25		21.13		3.0	22.0	
		50	0		21.03		3.0	22.0	
		1	0		24.15	24.22	24.15	0.0	25.0
		1	12		24.18	24.25	24.09	0.0	25.0
		1	24		24.17	24.17	24.11	0.0	25.0
	16QAM	12	0		23.03	23.06	23.14	1.0	24.0
		12	7		23.07	23.10	23.07	1.0	24.0
		12	13		23.07	23.05	23.04	1.0	24.0
		25	0		23.09	23.08	23.05	1.0	24.0
		1	0		23.11	23.35	23.69	1.0	24.0
		1	12		23.20	23.42	23.72	1.0	24.0
	64QAM	1	24		23.15	23.42	23.71	1.0	24.0
		12	0		22.09	22.15	22.21	2.0	23.0
		12	7		22.13	22.13	22.15	2.0	23.0
		12	13		22.11	22.10	22.13	2.0	23.0
		25	0		22.04	22.13	22.11	2.0	23.0
		1	0		21.96	22.34	22.32	2.0	23.0
64QAM	1	12		21.99	22.40	22.36	2.0	23.0	
	1	24		22.00	22.32	22.34	2.0	23.0	
	12	0		21.01	20.97	21.11	3.0	22.0	
	12	7		21.06	20.99	21.06	3.0	22.0	
	12	13		21.06	20.98	21.04	3.0	22.0	
	25	0		21.02	21.04	21.00	3.0	22.0	

LTE Band 17

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
				23755	23790	23825			
				706.5 MHz	710 MHz	713.5 MHz			
10 MHz	QPSK	1	0		24.28		0.0	25.0	
		1	25		24.39		0.0	25.0	
		1	49		24.28		0.0	25.0	
		25	0		23.42		1.0	24.0	
		25	12		23.38		1.0	24.0	
		25	25		23.44		1.0	24.0	
	16QAM	50	0		23.47		1.0	24.0	
		1	0		23.26		1.0	24.0	
		1	25		23.32		1.0	24.0	
		1	49		23.20		1.0	24.0	
		25	0		22.42		2.0	23.0	
		25	12		22.39		2.0	23.0	
	64QAM	25	25		22.44		2.0	23.0	
		50	0		22.43		2.0	23.0	
		1	0		22.77		2.0	23.0	
		1	25		22.79		2.0	23.0	
		1	49		22.69		2.0	23.0	
		25	0		21.65		3.0	22.0	
5 MHz	QPSK	25	12		21.59		3.0	22.0	
		25	25		21.62		3.0	22.0	
		50	0		21.63		3.0	22.0	
		1	0		24.42	24.47	24.46	0.0	25.0
		1	12		24.47	24.52	24.40	0.0	25.0
		1	24		24.49	24.49	24.37	0.0	25.0
	16QAM	12	0		23.39	23.42	23.35	1.0	24.0
		12	7		23.35	23.36	23.37	1.0	24.0
		12	13		23.35	23.33	23.37	1.0	24.0
		25	0		23.37	23.39	23.35	1.0	24.0
		1	0		23.35	23.68	23.97	1.0	24.0
		1	12		23.41	23.69	23.97	1.0	24.0
	64QAM	1	24		23.44	23.64	24.00	1.0	24.0
		12	0		22.43	22.45	22.46	2.0	23.0
		12	7		22.39	22.41	22.46	2.0	23.0
		12	13		22.36	22.38	22.45	2.0	23.0
		25	0		22.31	22.42	22.43	2.0	23.0
		1	0		22.21	22.59	22.65	2.0	23.0
64QAM	1	12		22.23	22.67	22.65	2.0	23.0	
	1	24		22.32	22.64	22.62	2.0	23.0	
	12	0		21.58	21.52	21.55	3.0	22.0	
	12	7		21.52	21.48	21.58	3.0	22.0	
	12	13		21.52	21.46	21.60	3.0	22.0	
	25	0		21.52	21.52	21.55	3.0	22.0	

LTE Band 25

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				26140	26365	26590		
				1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	23.16	23.09	23.07	0.0	24.8
		1	49	23.23	23.16	23.05	0.0	24.8
		1	99	23.15	23.07	22.99	0.0	24.8
		50	0	22.27	22.10	21.86	1.0	23.8
		50	24	22.23	22.14	21.94	1.0	23.8
		50	50	22.20	21.96	21.68	1.0	23.8
		100	0	22.24	22.02	21.73	1.0	23.8
	16QAM	1	0	22.59	22.65	22.37	1.0	23.8
		1	49	22.66	22.73	22.18	1.0	23.8
		1	99	22.57	22.58	22.27	1.0	23.8
		50	0	21.38	21.26	21.00	2.0	22.8
		50	24	21.35	21.32	21.09	2.0	22.8
		50	50	21.31	21.10	20.84	2.0	22.8
		100	0	21.36	21.21	20.88	2.0	22.8
	64QAM	1	0	21.38	21.41	21.68	2.0	22.8
		1	49	21.54	21.52	21.62	2.0	22.8
		1	99	21.42	21.45	21.59	2.0	22.8
		50	0	20.38	20.28	19.96	3.0	21.8
		50	24	20.39	20.34	20.09	3.0	21.8
		50	50	20.35	20.15	19.83	3.0	21.8
		100	0	20.37	20.12	19.82	3.0	21.8
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26115	26365	26615		
				1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	23.12	23.08	22.76	0.0	24.8
		1	37	23.28	23.13	22.85	0.0	24.8
		1	74	23.16	23.01	22.78	0.0	24.8
		36	0	22.21	22.08	21.92	1.0	23.8
		36	20	22.22	22.06	21.90	1.0	23.8
		36	39	22.18	22.03	21.82	1.0	23.8
		75	0	22.22	22.05	21.89	1.0	23.8
	16QAM	1	0	22.53	22.37	21.77	1.0	23.8
		1	37	22.60	22.39	21.82	1.0	23.8
		1	74	22.55	22.37	21.77	1.0	23.8
		36	0	21.41	21.21	21.06	2.0	22.8
		36	20	21.42	21.21	21.07	2.0	22.8
		36	39	21.40	21.17	20.97	2.0	22.8
		75	0	21.37	21.20	21.05	2.0	22.8
	64QAM	1	0	21.47	21.70	21.31	2.0	22.8
		1	37	21.56	21.80	21.35	2.0	22.8
		1	74	21.45	21.72	21.28	2.0	22.8
		36	0	20.41	20.18	20.05	3.0	21.8
		36	20	20.41	20.20	20.09	3.0	21.8
		36	39	20.39	20.15	19.98	3.0	21.8
		75	0	20.32	20.22	19.99	3.0	21.8

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26090	26365	26640		
				1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	23.17	23.11	22.83	0.0	24.8
		1	25	23.23	23.07	22.90	0.0	24.8
		1	49	23.25	23.06	22.90	0.0	24.8
		25	0	22.25	22.16	22.09	1.0	23.8
		25	12	22.28	22.11	21.95	1.0	23.8
		25	25	22.23	22.08	21.87	1.0	23.8
		50	0	22.30	22.14	22.05	1.0	23.8
	16QAM	1	0	22.29	22.12	22.26	1.0	23.8
		1	25	22.27	22.02	22.25	1.0	23.8
		1	49	22.31	22.03	22.31	1.0	23.8
		25	0	21.52	21.33	21.33	2.0	22.8
		25	12	21.49	21.28	21.13	2.0	22.8
		25	25	21.45	21.24	21.07	2.0	22.8
		50	0	21.45	21.27	21.12	2.0	22.8
	64QAM	1	0	21.49	21.58	21.17	2.0	22.8
		1	25	21.56	21.56	21.22	2.0	22.8
		1	49	21.52	21.48	21.19	2.0	22.8
		25	0	20.43	20.32	20.33	3.0	21.8
25		12	20.46	20.27	20.13	3.0	21.8	
25		25	20.40	20.22	20.03	3.0	21.8	
50		0	20.36	20.24	20.17	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26065	26365	26665		
				1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	23.35	23.27	23.02	0.0	24.8
		1	12	23.33	23.21	22.96	0.0	24.8
		1	24	23.36	23.24	23.00	0.0	24.8
		12	0	22.22	22.14	22.02	1.0	23.8
		12	7	22.20	22.10	21.95	1.0	23.8
		12	13	22.19	22.03	21.94	1.0	23.8
		25	0	22.22	22.13	21.97	1.0	23.8
	16QAM	1	0	22.31	22.52	22.61	1.0	23.8
		1	12	22.31	22.40	22.55	1.0	23.8
		1	24	22.32	22.46	22.60	1.0	23.8
		12	0	21.41	21.36	21.25	2.0	22.8
		12	7	21.45	21.31	21.21	2.0	22.8
		12	13	21.39	21.25	21.21	2.0	22.8
		25	0	21.34	21.33	21.20	2.0	22.8
	64QAM	1	0	21.59	21.12	21.32	2.0	22.8
		1	12	21.62	21.12	21.39	2.0	22.8
		1	24	21.64	21.12	21.33	2.0	22.8
		12	0	20.42	20.27	20.04	3.0	21.8
		12	7	20.40	20.25	19.96	3.0	21.8
		12	13	20.40	20.18	19.95	3.0	21.8
		25	0	20.36	20.23	20.03	3.0	21.8

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26055	26365	26675		
				1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	23.17	23.02	22.86	0.0	24.8
		1	8	23.18	23.06	22.93	0.0	24.8
		1	14	23.17	23.05	22.86	0.0	24.8
		8	0	22.18	22.08	21.91	1.0	23.8
		8	4	22.18	22.06	21.87	1.0	23.8
		8	7	22.22	22.04	21.87	1.0	23.8
		15	0	22.21	22.04	21.91	1.0	23.8
	16QAM	1	0	22.28	22.03	22.29	1.0	23.8
		1	8	22.28	22.01	22.26	1.0	23.8
		1	14	22.21	21.96	22.28	1.0	23.8
		8	0	21.38	21.37	21.17	2.0	22.8
		8	4	21.38	21.35	21.11	2.0	22.8
		8	7	21.43	21.30	21.11	2.0	22.8
		15	0	21.31	21.26	21.12	2.0	22.8
	64QAM	1	0	21.57	21.54	21.16	2.0	22.8
		1	8	21.57	21.52	21.17	2.0	22.8
		1	14	21.51	21.53	21.23	2.0	22.8
		8	0	20.29	20.27	20.07	3.0	21.8
8		4	20.28	20.26	20.04	3.0	21.8	
8		7	20.26	20.22	20.04	3.0	21.8	
15		0	20.33	20.15	20.07	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26047	26365	26683		
				1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	23.07	23.20	22.85	0.0	24.8
		1	3	23.11	23.19	22.85	0.0	24.8
		1	5	23.09	23.20	22.84	0.0	24.8
		3	0	23.12	23.05	22.86	0.0	24.8
		3	1	23.17	23.08	22.87	0.0	24.8
		3	3	23.20	23.01	22.88	0.0	24.8
		6	0	22.17	22.11	21.92	1.0	23.8
	16QAM	1	0	22.21	22.18	22.30	1.0	23.8
		1	3	22.18	22.20	22.25	1.0	23.8
		1	5	22.21	22.19	22.29	1.0	23.8
		3	0	22.33	22.12	22.12	1.0	23.8
		3	1	22.34	22.12	22.12	1.0	23.8
		3	3	22.34	22.10	22.13	1.0	23.8
		6	0	21.50	21.37	20.95	2.0	22.8
	64QAM	1	0	21.60	21.42	21.19	2.0	22.8
		1	3	21.65	21.43	21.19	2.0	22.8
		1	5	21.58	21.36	21.24	2.0	22.8
		3	0	21.57	21.31	20.97	2.0	22.8
3		1	21.59	21.31	20.99	2.0	22.8	
3		3	21.57	21.31	20.97	2.0	22.8	
6		0	20.25	20.49	20.08	3.0	21.8	

LTE Band 30

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				27685	27710	27735		
				2307.5 MHz	2310 MHz	2312.5 MHz		
10 MHz	QPSK	1	0		21.85		0.0	23.5
		1	25		21.87		0.0	23.5
		1	49		21.91		0.0	23.5
		25	0		21.39		1.0	22.5
		25	12		21.36		1.0	22.5
		25	25		21.27		1.0	22.5
		50	0		21.34		1.0	22.5
	16QAM	1	0		21.26		1.0	22.5
		1	25		21.25		1.0	22.5
		1	49		21.31		1.0	22.5
		25	0		20.62		2.0	21.5
		25	12		20.58		2.0	21.5
		25	25		20.43		2.0	21.5
		50	0		20.49		2.0	21.5
	64QAM	1	0		20.72		2.0	21.5
		1	25		20.72		2.0	21.5
		1	49		20.40		2.0	21.5
		25	0		19.63		3.0	20.5
		25	12		19.58		3.0	20.5
		25	25		19.45		3.0	20.5
		50	0		19.47		3.0	20.5
5 MHz	QPSK	1	0	22.37	22.45	21.93	0.0	23.5
		1	12	22.39	22.36	21.95	0.0	23.5
		1	24	22.40	21.94	21.74	0.0	23.5
		12	0	21.28	21.38	21.54	1.0	22.5
		12	7	21.25	21.31	21.47	1.0	22.5
		12	13	21.24	21.26	21.44	1.0	22.5
		25	0	21.29	21.33	21.42	1.0	22.5
	16QAM	1	0	21.36	21.26	21.58	1.0	22.5
		1	12	21.33	21.22	21.60	1.0	22.5
		1	24	21.38	21.24	21.66	1.0	22.5
		12	0	20.55	20.58	20.73	2.0	21.5
		12	7	20.51	20.51	20.69	2.0	21.5
		12	13	20.50	20.48	20.66	2.0	21.5
		25	0	20.44	20.53	20.67	2.0	21.5
	64QAM	1	0	20.37	20.69	20.67	2.0	21.5
		1	12	20.35	20.75	20.61	2.0	21.5
		1	24	20.40	20.68	20.38	2.0	21.5
		12	0	19.49	19.47	19.60	3.0	20.5
		12	7	19.47	19.40	19.57	3.0	20.5
		12	13	19.44	19.36	19.55	3.0	20.5
		25	0	19.44	19.42	19.58	3.0	20.5

LTE Band 41 (PC2)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				39750	40620	41490		
				2506 MHz	2593 MHz	2680 MHz		
20 MHz	QPSK	1	0	25.08	25.35	25.21	0.0	26.5
		1	49	25.17	25.35	25.41	0.0	26.5
		1	99	25.07	25.25	25.41	0.0	26.5
		50	0	24.10	24.38	24.28	1.0	25.5
		50	24	24.14	24.39	24.34	1.0	25.5
		50	50	24.21	24.37	24.37	1.0	25.5
		100	0	24.11	24.37	24.29	1.0	25.5
	16QAM	1	0	24.54	24.65	24.23	1.0	25.5
		1	49	24.66	24.67	24.41	1.0	25.5
		1	99	24.56	24.56	24.35	1.0	25.5
		50	0	23.10	23.33	23.24	2.0	24.5
		50	24	23.19	23.35	23.32	2.0	24.5
		50	50	23.22	23.36	23.34	2.0	24.5
		100	0	23.10	23.34	23.30	2.0	24.5
	64QAM	1	0	23.16	23.65	23.64	2.0	24.5
		1	49	23.24	23.69	23.82	2.0	24.5
		1	99	23.18	23.55	23.79	2.0	24.5
		50	0	22.06	22.35	22.21	3.0	23.5
		50	24	22.11	22.37	22.28	3.0	23.5
		50	50	22.19	22.37	22.32	3.0	23.5
		100	0	22.06	22.34	22.21	3.0	23.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39725	40620	41515		
				2503.5 MHz	2593 MHz	2682.5 MHz		
15 MHz	QPSK	1	0	25.11	25.26	25.25	0.0	26.5
		1	37	25.15	25.26	25.34	0.0	26.5
		1	74	25.06	25.22	25.34	0.0	26.5
		36	0	24.08	24.35	24.27	1.0	25.5
		36	20	24.09	24.34	24.29	1.0	25.5
		36	39	24.14	24.30	24.31	1.0	25.5
		75	0	24.09	24.31	24.31	1.0	25.5
	16QAM	1	0	24.36	24.59	24.62	1.0	25.5
		1	37	24.41	24.57	24.72	1.0	25.5
		1	74	24.35	24.58	24.70	1.0	25.5
		36	0	23.12	23.33	23.24	2.0	24.5
		36	20	23.15	23.33	23.29	2.0	24.5
		36	39	23.18	23.29	23.31	2.0	24.5
		75	0	23.09	23.28	23.29	2.0	24.5
	64QAM	1	0	23.16	23.11	23.69	2.0	24.5
		1	37	23.22	23.11	23.76	2.0	24.5
		1	74	23.14	23.06	23.75	2.0	24.5
		36	0	22.03	22.38	22.26	3.0	23.5
		36	20	22.04	22.37	22.30	3.0	23.5
		36	39	22.08	22.32	22.33	3.0	23.5
		75	0	22.08	22.25	22.26	3.0	23.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39700	40620	41540		
				2501 MHz	2593 MHz	2685 MHz		
10 MHz	QPSK	1	0	25.16	25.39	25.21	0.0	26.5
		1	25	25.17	25.37	25.29	0.0	26.5
		1	49	25.17	25.35	25.31	0.0	26.5
		25	0	24.09	24.40	24.31	1.0	25.5
		25	12	24.12	24.41	24.33	1.0	25.5
		25	25	24.16	24.37	24.30	1.0	25.5
		50	0	24.14	24.39	24.36	1.0	25.5
	16QAM	1	0	24.49	24.80	24.52	1.0	25.5
		1	25	24.51	24.79	24.62	1.0	25.5
		1	49	24.50	24.77	24.62	1.0	25.5
		25	0	23.13	23.42	23.32	2.0	24.5
		25	12	23.15	23.41	23.34	2.0	24.5
		25	25	23.15	23.39	23.32	2.0	24.5
		50	0	23.15	23.41	23.34	2.0	24.5
	64QAM	1	0	23.63	23.64	23.04	2.0	24.5
		1	25	23.64	23.65	23.12	2.0	24.5
		1	49	23.61	23.61	23.13	2.0	24.5
		25	0	22.06	22.30	22.30	3.0	23.5
25		12	22.09	22.30	22.33	3.0	23.5	
25		25	22.11	22.27	22.31	3.0	23.5	
50		0	22.09	22.34	22.29	3.0	23.5	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39675	40620	41565		
				2498.5 MHz	2593 MHz	2687.5 MHz		
5 MHz	QPSK	1	0	25.06	25.40	25.34	0.0	26.5
		1	12	25.09	25.41	25.36	0.0	26.5
		1	24	25.05	25.38	25.34	0.0	26.5
		12	0	24.09	24.35	24.37	1.0	25.5
		12	7	24.07	24.34	24.36	1.0	25.5
		12	13	24.07	24.32	24.33	1.0	25.5
		25	0	24.10	24.32	24.33	1.0	25.5
	16QAM	1	0	24.33	24.68	24.63	1.0	25.5
		1	12	24.33	24.69	24.64	1.0	25.5
		1	24	24.31	24.66	24.66	1.0	25.5
		12	0	23.15	23.35	23.41	2.0	24.5
		12	7	23.13	23.30	23.40	2.0	24.5
		12	13	23.11	23.29	23.38	2.0	24.5
		25	0	23.10	23.34	23.36	2.0	24.5
	64QAM	1	0	23.07	23.95	23.56	2.0	24.5
		1	12	23.08	23.94	23.58	2.0	24.5
		1	24	23.06	23.90	23.58	2.0	24.5
		12	0	22.04	22.41	22.22	3.0	23.5
12		7	22.03	22.40	22.23	3.0	23.5	
12		13	22.03	22.38	22.21	3.0	23.5	
25		0	22.10	22.31	22.23	3.0	23.5	

LTE Band 41 (PC3)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				39750	40620	41490		
				2506 MHz	2593 MHz	2680 MHz		
20 MHz	QPSK	1	0	23.21	23.19	23.20	0.0	24.5
		1	49	23.28	23.28	23.38	0.0	24.5
		1	99	23.10	23.19	23.30	0.0	24.5
		50	0	22.14	22.14	22.31	0.0	24.5
		50	24	22.22	22.20	22.37	0.0	24.5
		50	50	22.22	22.20	22.34	0.0	24.5
		100	0	22.17	22.18	22.30	1.0	23.5
	16QAM	1	0	22.32	21.99	22.16	1.0	23.5
		1	49	22.36	22.07	22.36	1.0	23.5
		1	99	22.18	21.98	22.29	1.0	23.5
		50	0	21.16	21.14	21.29	2.0	22.5
		50	24	21.23	21.20	21.35	2.0	22.5
		50	50	21.25	21.19	21.35	2.0	22.5
		100	0	21.17	21.16	21.29	2.0	22.5
	64QAM	1	0	21.00	21.48	21.22	2.0	22.5
		1	49	21.09	21.56	21.40	2.0	22.5
		1	99	20.92	21.46	21.30	2.0	22.5
		50	0	20.08	20.12	20.27	3.0	21.5
		50	24	20.20	20.15	20.33	3.0	21.5
		50	50	20.15	20.15	20.34	3.0	21.5
		100	0	20.11	20.09	20.30	3.0	21.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39725	40620	41515		
				2503.5 MHz	2593 MHz	2682.5 MHz		
15 MHz	QPSK	1	0	23.13	23.11	23.21	0.0	24.5
		1	37	23.18	23.16	23.30	0.0	24.5
		1	74	23.08	23.11	23.25	0.0	24.5
		36	0	22.14	22.12	22.31	1.0	23.5
		36	20	22.16	22.12	22.31	1.0	23.5
		36	39	22.17	22.18	22.31	1.0	23.5
		75	0	22.17	22.14	22.30	1.0	23.5
	16QAM	1	0	22.25	22.11	22.22	1.0	23.5
		1	37	22.30	22.16	22.27	1.0	23.5
		1	74	22.16	22.10	22.26	1.0	23.5
		36	0	21.19	21.11	21.31	2.0	22.5
		36	20	21.19	21.11	21.29	2.0	22.5
		36	39	21.23	21.13	21.32	2.0	22.5
		75	0	21.16	21.15	21.31	2.0	22.5
	64QAM	1	0	21.37	20.67	21.07	2.0	22.5
		1	37	21.41	20.72	21.16	2.0	22.5
		1	74	21.31	20.64	21.11	2.0	22.5
		36	0	20.18	20.16	20.20	3.0	21.5
		36	20	20.20	20.16	20.20	3.0	21.5
		36	39	20.30	20.19	20.23	3.0	21.5
		75	0	20.14	20.11	20.25	3.0	21.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39700	40620	41540		
				2501 MHz	2593 MHz	2685 MHz		
10 MHz	QPSK	1	0	23.24	23.22	23.32	0.0	24.5
		1	25	23.22	23.23	23.32	0.0	24.5
		1	49	23.19	23.23	23.35	0.0	24.5
		25	0	22.20	22.19	22.31	1.0	23.5
		25	12	22.22	22.20	22.35	1.0	23.5
		25	25	22.23	22.22	22.33	1.0	23.5
		50	0	22.22	22.25	22.36	1.0	23.5
	16QAM	1	0	22.37	22.17	22.29	1.0	23.5
		1	25	22.37	22.20	22.29	1.0	23.5
		1	49	22.36	22.16	22.30	1.0	23.5
		25	0	21.22	21.20	21.34	2.0	22.5
		25	12	21.24	21.19	21.37	2.0	22.5
		25	25	21.26	21.23	21.35	2.0	22.5
		50	0	21.26	21.25	21.38	2.0	22.5
	64QAM	1	0	21.40	20.75	21.35	2.0	22.5
		1	25	21.40	20.74	21.37	2.0	22.5
		1	49	21.38	20.73	21.35	2.0	22.5
		25	0	20.08	20.16	20.20	3.0	21.5
25		12	20.12	20.16	20.21	3.0	21.5	
25		25	20.12	20.19	20.21	3.0	21.5	
50		0	20.12	20.14	20.28	3.0	21.5	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39675	40620	41490		
				2498.5 MHz	2593 MHz	2687.5 MHz		
5 MHz	QPSK	1	0	23.26	23.23	23.28	0.0	24.5
		1	12	23.25	23.23	23.31	0.0	24.5
		1	24	23.21	23.23	23.29	0.0	24.5
		12	0	22.21	22.19	22.35	1.0	23.5
		12	7	22.19	22.16	22.29	1.0	23.5
		12	13	22.19	22.17	22.29	1.0	23.5
		25	0	22.18	22.19	22.31	1.0	23.5
	16QAM	1	0	22.33	22.19	22.21	1.0	23.5
		1	12	22.32	22.21	22.26	1.0	23.5
		1	24	22.29	22.17	22.26	1.0	23.5
		12	0	21.26	21.13	21.36	2.0	22.5
		12	7	21.25	21.11	21.33	2.0	22.5
		12	13	21.22	21.10	21.30	2.0	22.5
		25	0	21.22	21.22	21.35	2.0	22.5
	64QAM	1	0	20.74	21.34	21.68	2.0	22.5
		1	12	20.78	21.37	21.72	2.0	22.5
		1	24	20.75	21.34	21.70	2.0	22.5
		12	0	20.05	20.03	20.37	3.0	21.5
		12	7	20.06	20.02	20.33	3.0	21.5
		12	13	20.05	20.01	20.32	3.0	21.5
		25	0	20.14	20.06	20.25	3.0	21.5

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BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.11	23.20	23.18	0.0	24.8
		1	49	23.33	23.28	23.30	0.0	24.8
		1	99	23.24	23.15	23.16	0.0	24.8
		50	0	22.28	22.39	22.38	1.0	23.8
		50	24	22.39	22.42	22.44	1.0	23.8
		50	50	22.46	22.42	22.38	1.0	23.8
		100	0	22.38	22.38	22.39	1.0	23.8
	16QAM	1	0	22.44	22.79	22.89	1.0	23.8
		1	49	22.67	22.83	22.94	1.0	23.8
		1	99	22.59	22.72	22.88	1.0	23.8
		50	0	21.29	21.37	21.42	2.0	22.8
		50	24	21.39	21.40	21.49	2.0	22.8
		50	50	21.44	21.35	21.41	2.0	22.8
		100	0	21.35	21.39	21.37	2.0	22.8
	64QAM	1	0	21.74	21.46	21.58	2.0	22.8
		1	49	21.97	21.54	21.68	2.0	22.8
		1	99	21.87	21.43	21.54	2.0	22.8
		50	0	20.22	20.37	20.39	3.0	21.8
		50	24	20.34	20.39	20.45	3.0	21.8
		50	50	20.42	20.37	20.36	3.0	21.8
		100	0	20.32	20.37	20.32	3.0	21.8
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132047	132322	132597		
				1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	23.01	23.10	23.13	0.0	24.8
		1	37	23.17	23.18	23.28	0.0	24.8
		1	74	23.13	23.02	23.09	0.0	24.8
		36	0	22.20	22.36	22.38	1.0	23.8
		36	20	22.27	22.35	22.36	1.0	23.8
		36	39	22.35	22.38	22.36	1.0	23.8
		75	0	22.31	22.40	22.34	1.0	23.8
	16QAM	1	0	22.46	22.27	22.73	1.0	23.8
		1	37	22.60	22.29	22.77	1.0	23.8
		1	74	22.57	22.18	22.66	1.0	23.8
		36	0	21.21	21.36	21.44	2.0	22.8
		36	20	21.28	21.31	21.46	2.0	22.8
		36	39	21.35	21.35	21.42	2.0	22.8
		75	0	21.32	21.37	21.44	2.0	22.8
	64QAM	1	0	21.36	21.94	21.65	2.0	22.8
		1	37	21.47	21.94	21.74	2.0	22.8
		1	74	21.46	21.88	21.57	2.0	22.8
		36	0	20.26	20.33	20.38	3.0	21.8
		36	20	20.32	20.31	20.42	3.0	21.8
		36	39	20.41	20.32	20.40	3.0	21.8
		75	0	20.27	20.37	20.39	3.0	21.8

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132022	132322	132622		
				1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	22.99	23.20	23.15	0.0	24.8
		1	25	23.06	23.21	23.23	0.0	24.8
		1	49	23.07	23.10	23.11	0.0	24.8
		25	0	22.25	22.41	22.43	1.0	23.8
		25	12	22.26	22.40	22.43	1.0	23.8
		25	25	22.30	22.39	22.40	1.0	23.8
		50	0	22.33	22.42	22.41	1.0	23.8
	16QAM	1	0	22.55	22.38	22.32	1.0	23.8
		1	25	22.60	22.37	22.32	1.0	23.8
		1	49	22.65	22.32	22.26	1.0	23.8
		25	0	21.28	21.50	21.46	2.0	22.8
		25	12	21.32	21.49	21.44	2.0	22.8
		25	25	21.37	21.46	21.42	2.0	22.8
		50	0	21.34	21.45	21.42	2.0	22.8
	64QAM	1	0	21.40	21.55	21.68	2.0	22.8
		1	25	21.44	21.55	21.70	2.0	22.8
		1	49	21.48	21.48	21.62	2.0	22.8
		25	0	20.30	20.44	20.46	3.0	21.8
25		12	20.33	20.43	20.42	3.0	21.8	
25		25	20.36	20.42	20.39	3.0	21.8	
50		0	20.36	20.37	20.41	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	23.16	23.32	23.29	0.0	24.8
		1	12	23.19	23.29	23.22	0.0	24.8
		1	24	23.16	23.28	23.25	0.0	24.8
		12	0	22.26	22.39	22.46	1.0	23.8
		12	7	22.23	22.35	22.43	1.0	23.8
		12	13	22.23	22.32	22.34	1.0	23.8
		25	0	22.24	22.34	22.42	1.0	23.8
	16QAM	1	0	22.24	22.68	22.94	1.0	23.8
		1	12	22.27	22.63	22.92	1.0	23.8
		1	24	22.25	22.66	23.00	1.0	23.8
		12	0	21.33	21.44	21.53	2.0	22.8
		12	7	21.31	21.43	21.52	2.0	22.8
		12	13	21.29	21.37	21.47	2.0	22.8
		25	0	21.23	21.35	21.49	2.0	22.8
	64QAM	1	0	21.49	21.60	21.26	2.0	22.8
		1	12	21.54	21.63	21.24	2.0	22.8
		1	24	21.54	21.61	21.24	2.0	22.8
		12	0	20.17	20.43	20.42	3.0	21.8
12		7	20.14	20.38	20.41	3.0	21.8	
12		13	20.10	20.34	20.34	3.0	21.8	
25		0	20.19	20.32	20.37	3.0	21.8	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	22.99	23.11	23.18	0.0	24.8
		1	8	22.98	23.19	23.22	0.0	24.8
		1	14	23.01	23.16	23.15	0.0	24.8
		8	0	22.23	22.35	22.42	1.0	23.8
		8	4	22.23	22.32	22.37	1.0	23.8
		8	7	22.19	22.31	22.37	1.0	23.8
		15	0	22.25	22.32	22.39	1.0	23.8
	16QAM	1	0	22.24	22.29	22.75	1.0	23.8
		1	8	22.24	22.27	22.73	1.0	23.8
		1	14	22.24	22.22	22.74	1.0	23.8
		8	0	21.30	21.47	21.46	2.0	22.8
		8	4	21.28	21.44	21.43	2.0	22.8
		8	7	21.29	21.43	21.41	2.0	22.8
		15	0	21.20	21.33	21.42	2.0	22.8
	64QAM	1	0	21.41	21.56	21.67	2.0	22.8
		1	8	21.45	21.54	21.68	2.0	22.8
		1	14	21.47	21.47	21.64	2.0	22.8
		8	0	20.27	20.28	20.46	3.0	21.8
8		4	20.28	20.26	20.39	3.0	21.8	
8		7	20.25	20.21	20.38	3.0	21.8	
15		0	20.25	20.30	20.34	3.0	21.8	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	22.97	23.32	23.14	0.0	24.8
		1	3	23.00	23.32	23.15	0.0	24.8
		1	5	23.01	23.32	23.14	0.0	24.8
		3	0	23.06	23.18	23.15	0.0	24.8
		3	1	23.11	23.21	23.15	0.0	24.8
		3	3	23.10	23.17	23.15	0.0	24.8
		6	0	22.25	22.39	22.37	1.0	23.8
	16QAM	1	0	22.20	22.47	22.75	1.0	23.8
		1	3	22.19	22.49	22.73	1.0	23.8
		1	5	22.25	22.47	22.72	1.0	23.8
		3	0	22.38	22.41	22.58	1.0	23.8
		3	1	22.38	22.40	22.57	1.0	23.8
		3	3	22.39	22.37	22.57	1.0	23.8
		6	0	21.42	21.50	21.23	2.0	22.8
	64QAM	1	0	21.44	21.53	21.52	2.0	22.8
		1	3	21.52	21.53	21.52	2.0	22.8
		1	5	21.50	21.48	21.57	2.0	22.8
		3	0	21.50	21.42	21.32	2.0	22.8
3		1	21.49	21.43	21.33	2.0	22.8	
3		3	21.50	21.41	21.31	2.0	22.8	
6		0	20.18	20.59	20.43	3.0	21.8	

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BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				133222	133297	133372		
				673 MHz	680.5 MHz	688 MHz		
20 MHz	QPSK	1	0	23.66	23.81	23.93	0.0	25
		1	49	23.81	24.03	24.21	0.0	25
		1	99	23.86	24.02	24.11	0.0	25
		50	0	22.69	22.91	23.01	1.0	24
		50	24	22.84	23.04	23.08	1.0	24
		50	50	22.90	22.98	23.24	1.0	24
		100	0	22.78	22.94	23.11	1.0	24
	16QAM	1	0	23.02	23.31	23.28	1.0	24
		1	49	23.18	23.53	23.42	1.0	24
		1	99	23.23	23.51	23.26	1.0	24
		50	0	21.80	21.90	22.03	2.0	23
		50	24	21.79	22.03	22.06	2.0	23
		50	50	21.85	21.98	22.21	2.0	23
		100	0	21.73	21.93	22.09	2.0	23
	64QAM	1	0	22.36	21.91	22.07	2.0	23
		1	49	22.39	22.14	22.24	2.0	23
		1	99	22.44	22.09	22.23	2.0	23
		50	0	20.86	21.03	21.22	3.0	22
		50	24	21.02	21.13	21.31	3.0	22
		50	50	21.09	21.14	21.40	3.0	22
		100	0	20.96	21.08	21.26	3.0	22
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133197	133297	133397		
				670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	QPSK	1	0	23.68	23.72	23.95	0.0	25
		1	37	23.76	23.94	24.09	0.0	25
		1	74	23.83	23.88	23.98	0.0	25
		36	0	22.67	22.87	23.05	1.0	24
		36	20	22.72	22.93	23.08	1.0	24
		36	39	22.77	22.95	23.11	1.0	24
		75	0	22.71	22.96	23.15	1.0	24
	16QAM	1	0	23.05	22.72	23.31	1.0	24
		1	37	23.06	22.92	23.39	1.0	24
		1	74	23.17	22.87	23.38	1.0	24
		36	0	21.77	21.85	22.10	2.0	23
		36	20	21.88	21.91	22.12	2.0	23
		36	39	21.72	21.94	22.17	2.0	23
		75	0	21.86	21.91	22.13	2.0	23
	64QAM	1	0	22.34	22.12	22.10	2.0	23
		1	37	22.40	22.34	22.17	2.0	23
		1	74	22.36	22.29	22.22	2.0	23
		36	0	20.82	21.02	21.27	3.0	22
		36	20	20.85	21.08	21.34	3.0	22
		36	39	20.88	21.10	21.35	3.0	22
		75	0	20.91	21.07	21.29	3.0	22

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133172	133297	133422		
				668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	23.67	23.94	24.08	0.0	25
		1	25	23.75	23.97	24.12	0.0	25
		1	49	23.74	23.98	24.05	0.0	25
		25	0	22.64	22.95	23.12	1.0	24
		25	12	22.73	22.97	23.08	1.0	24
		25	25	22.74	22.95	23.14	1.0	24
		50	0	22.71	22.96	23.17	1.0	24
	16QAM	1	0	22.69	22.87	23.44	1.0	24
		1	25	22.78	22.94	23.45	1.0	24
		1	49	22.73	22.94	23.41	1.0	24
		25	0	21.88	21.96	22.14	2.0	23
		25	12	21.99	22.01	22.14	2.0	23
		25	25	22.01	21.98	22.30	2.0	23
		50	0	21.88	21.97	22.20	2.0	23
	64QAM	1	0	21.99	22.05	22.40	2.0	23
		1	25	22.09	22.12	22.43	2.0	23
		1	49	21.91	22.12	22.45	2.0	23
		25	0	20.88	21.13	21.30	3.0	22
25		12	20.95	21.19	21.24	3.0	22	
25		25	21.00	21.20	21.40	3.0	22	
50		0	20.89	21.12	21.31	3.0	22	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133147	133297	133447		
				665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	23.80	24.07	24.14	0.0	25
		1	12	23.81	24.11	24.11	0.0	25
		1	24	23.86	24.10	24.13	0.0	25
		12	0	22.62	22.88	23.01	1.0	24
		12	7	22.68	22.92	23.10	1.0	24
		12	13	22.68	22.92	23.11	1.0	24
		25	0	22.72	22.95	23.06	1.0	24
	16QAM	1	0	22.82	23.15	23.55	1.0	24
		1	12	22.81	23.24	23.69	1.0	24
		1	24	22.86	23.22	23.75	1.0	24
		12	0	21.85	21.98	22.08	2.0	23
		12	7	21.92	21.97	22.19	2.0	23
		12	13	21.93	21.98	22.19	2.0	23
		25	0	21.80	21.96	22.12	2.0	23
	64QAM	1	0	21.77	22.17	22.32	2.0	23
		1	12	21.77	22.27	22.36	2.0	23
		1	24	21.82	22.24	22.38	2.0	23
		12	0	20.77	21.04	21.22	3.0	22
12		7	20.86	21.03	21.26	3.0	22	
12		13	20.86	21.04	21.31	3.0	22	
25		0	20.80	21.07	21.23	3.0	22	

NR Band n2(Anchor B12)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					372000	376000	380000		
					1860 MHz	1880 MHz	1900 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	0	21.85	21.83	21.99	0.5	24.0
			1	1	23.65	23.56	23.82	0.0	24.5
			1	53	23.57	23.69	23.84	0.0	24.5
			1	104	23.59	23.85	23.83	0.0	24.5
			1	105	21.80	22.09	22.05	0.5	24.0
			50	0	21.77	21.76	22.03	0.5	24.0
			50	28	23.63	23.69	23.90	0.0	24.5
			50	56	21.75	21.89	21.98	0.5	24.0
			100	0	21.85	21.89	22.08	0.5	24.0
		QPSK	1	0	21.77	21.73	21.96	1.0	23.5
			1	1	23.59	23.49	23.76	0.0	24.5
			1	53	23.53	23.69	23.88	0.0	24.5
			1	104	23.50	23.78	23.75	0.0	24.5
			1	105	21.76	22.02	22.03	1.0	23.5
			50	0	21.78	21.77	22.01	1.0	23.5
			50	28	23.56	23.66	23.87	0.0	24.5
			50	56	21.70	21.84	21.94	1.0	23.5
			100	0	21.73	21.86	21.98	1.0	23.5
		16QAM	1	0	21.52	21.54	21.71	2.0	22.5
			1	1	22.74	22.88	23.01	1.0	23.5
			1	53	22.52	23.05	23.25	1.0	23.5
			1	104	22.87	22.99	23.11	1.0	23.5
			1	105	21.61	21.77	21.82	2.0	22.5
			50	0	21.20	21.25	21.46	2.0	22.5
			50	28	22.55	22.70	22.91	1.0	23.5
			50	56	21.24	21.36	21.42	2.0	22.5
			100	0	21.27	21.31	21.56	2.0	22.5
		64QAM	1	0	20.73	20.76	20.98	2.5	22.0
			1	1	21.28	21.27	21.47	2.5	22.0
			1	53	21.19	21.41	21.60	2.5	22.0
			1	104	21.27	21.50	21.52	2.5	22.0
			1	105	20.69	20.95	20.94	2.5	22.0
			50	0	20.76	20.76	20.93	2.5	22.0
			50	28	21.18	21.40	21.61	2.5	22.0
			50	56	20.74	20.89	20.95	2.5	22.0
			100	0	20.72	20.89	20.99	2.5	22.0
		256QAM	1	0	19.61	19.60	19.87	4.5	20.0
			1	1	19.59	19.62	19.79	4.5	20.0
			1	53	19.54	19.72	19.92	4.5	20.0
			1	104	19.55	19.91	19.87	4.5	20.0
			1	105	19.56	19.93	19.77	4.5	20.0
			50	0	19.28	19.31	19.49	4.5	20.0
			50	28	19.24	19.40	19.55	4.5	20.0
			50	56	19.23	19.34	19.44	4.5	20.0
			100	0	19.27	19.37	19.50	4.5	20.0

20MHz	CP-OFDM	QPSK	1	0	19.78	19.74	19.95	3.0	21.5
			1	1	22.23	22.14	22.42	1.5	23.0
			1	53	22.14	22.31	22.50	1.5	23.0
			1	104	22.13	22.47	22.40	1.5	23.0
			1	105	19.79	19.99	20.01	3.0	21.5
			53	0	19.74	19.79	19.91	3.0	21.5
			53	28	20.52	20.55	20.56	1.5	23.0
			53	53	19.68	19.80	19.89	3.0	21.5
			106	0	19.68	19.83	19.96	3.0	21.5
		16QAM	1	0	19.79	19.76	19.97	3.0	21.5
			1	1	21.91	21.92	22.08	2.0	22.5
			1	53	21.84	22.06	22.27	2.0	22.5
			1	104	21.95	22.12	22.13	2.0	22.5
			1	105	19.76	20.04	20.03	3.0	21.5
			53	0	19.79	19.76	19.98	3.0	21.5
			53	28	20.02	20.07	20.07	2.0	22.5
			53	53	19.74	19.87	19.96	3.0	21.5
			106	0	19.70	19.86	19.96	3.0	21.5
		64QAM	1	0	19.79	19.74	19.98	3.5	21.0
			1	1	20.40	20.29	20.60	3.5	21.0
			1	53	20.33	20.43	20.61	3.5	21.0
			1	104	20.35	20.61	20.55	3.5	21.0
			1	105	19.75	20.01	19.99	3.5	21.0
			53	0	19.77	19.77	19.95	3.5	21.0
			53	28	19.74	19.84	20.10	3.5	21.0
			53	53	19.71	19.84	19.91	3.5	21.0
			106	0	19.70	19.81	19.96	3.5	21.0
		256QAM	1	0	17.24	17.32	17.53	6.5	18.0
			1	1	17.19	17.36	17.60	6.5	18.0
			1	53	17.31	17.45	17.73	6.5	18.0
			1	104	17.26	17.28	17.47	6.5	18.0
			1	105	17.27	17.51	17.44	6.5	18.0
			53	0	17.24	17.25	17.45	6.5	18.0
			53	28	17.14	17.30	17.53	6.5	18.0
			53	53	17.14	17.32	17.38	6.5	18.0
			106	0	17.17	17.25	17.41	6.5	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					371500	376000	380500		
					1857.5 MHz	1880 MHz	1902.5 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.74	21.68	22.02	0.5	24.0
			1	1	23.49	23.47	23.74	0.0	24.5
			1	40	23.50	23.58	23.74	0.0	24.5
			1	77	23.49	23.75	23.77	0.0	24.5
			1	78	21.74	22.03	22.07	0.5	24.0
			36	0	21.76	21.82	22.05	0.5	24.0
			36	22	23.57	23.65	23.80	0.0	24.5
			36	43	21.70	21.87	22.00	0.5	24.0
			75	0	21.76	21.84	22.02	0.5	24.0
		QPSK	1	0	21.77	21.76	22.03	1.0	23.5
			1	1	23.56	23.52	23.82	0.0	24.5
			1	40	23.58	23.71	23.83	0.0	24.5
			1	77	23.55	23.77	23.82	0.0	24.5
			1	78	21.81	22.03	21.99	1.0	23.5
			36	0	21.80	21.83	22.08	1.0	23.5
			36	22	23.56	23.71	23.80	0.0	24.5
			36	43	21.71	21.87	21.98	1.0	23.5
		75	0	21.72	21.85	22.06	1.0	23.5	
		16QAM	1	1	22.55	22.40	22.68	1.0	23.5
64QAM	1	1	21.42	21.30	21.62	2.5	22.0		
256QAM	1	1	19.06	19.01	19.26	4.5	20.0		
CP-OFDM	QPSK	1	1	22.13	22.12	22.32	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					371000	376000	381000		
					1855 MHz	1880 MHz	1905 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.65	21.62	21.86	0.5	24.0
			1	1	23.40	23.38	23.66	0.0	24.5
			1	26	23.36	23.47	23.60	0.0	24.5
			1	50	23.42	23.60	23.65	0.0	24.5
			1	51	21.68	21.89	21.91	0.5	24.0
			25	0	21.61	21.68	21.92	0.5	24.0
			25	14	23.45	23.49	23.70	0.0	24.5
			25	27	21.52	21.69	21.78	0.5	24.0
			50	0	21.57	21.62	21.79	0.5	24.0
		QPSK	1	0	21.72	21.66	21.94	1.0	23.5
			1	1	23.47	23.47	23.68	0.0	24.5
			1	26	23.47	23.52	23.66	0.0	24.5
			1	50	23.46	23.64	23.69	0.0	24.5
			1	51	21.72	21.90	21.95	1.0	23.5
			25	0	21.61	21.65	21.95	1.0	23.5
			25	14	23.45	23.54	23.77	0.0	24.5
			25	27	21.58	21.70	21.79	1.0	23.5
		50	0	21.63	21.70	21.85	1.0	23.5	
		16QAM	1	1	22.42	22.37	22.64	1.0	23.5
64QAM	1	1	21.32	21.24	21.42	2.5	22.0		
256QAM	1	1	18.96	18.89	19.14	4.5	20.0		
CP-OFDM	QPSK	1	1	22.00	22.05	22.20	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					370500	376000	381500		
					1852.5 MHz	1880 MHz	1907.5 MHz		
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.75	21.84	21.92	0.5	24.0
			1	1	23.55	23.62	23.72	0.0	24.5
			1	13	23.58	23.62	23.71	0.0	24.5
			1	23	23.51	23.66	23.71	0.0	24.5
			1	24	21.76	21.88	21.92	0.5	24.0
			12	0	21.80	21.85	22.04	0.5	24.0
			12	7	23.60	23.68	23.82	0.0	24.5
			12	13	21.74	21.89	21.97	0.5	24.0
			25	0	21.81	21.88	21.97	0.5	24.0
		QPSK	1	0	21.83	21.89	22.04	1.0	23.5
			1	1	23.61	23.65	23.78	0.0	24.5
			1	13	23.62	23.67	23.79	0.0	24.5
			1	23	23.60	23.72	23.76	0.0	24.5
			1	24	21.74	21.89	21.92	1.0	23.5
			12	0	21.82	21.84	22.04	1.0	23.5
			12	7	23.58	23.63	23.75	0.0	24.5
			12	13	21.77	21.88	21.94	1.0	23.5
			25	0	21.79	21.88	22.01	1.0	23.5
	16QAM	1	1	22.53	22.57	22.73	1.0	23.5	
	64QAM	1	1	21.38	21.41	21.55	2.5	22.0	
256QAM	1	1	19.01	19.12	19.19	4.5	20.0		
CP-OFDM	QPSK	1	1	22.17	22.24	22.37	1.5	23.0	

NR Band n5(Anchor B2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					166800	167300	167800		
					834 MHz	836.5 MHz	839 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.15	22.27	22.15	0.5	24.5
			1	1	24.28	24.36	24.37	0.0	25.0
			1	53	24.51	24.48	24.45	0.0	25.0
			1	104	24.37	24.37	24.30	0.0	25.0
			1	105	22.27	22.21	22.25	0.5	24.5
			50	0	22.44	22.44	22.38	0.5	24.5
			50	28	24.45	24.46	24.47	0.0	25.0
			50	56	22.43	22.39	22.16	0.5	24.5
			100	0	22.44	22.40	22.31	0.5	24.5
		QPSK	1	0	22.17	22.20	22.29	1.0	24.0
			1	1	24.27	24.33	24.37	0.0	25.0
			1	53	24.60	24.51	24.52	0.0	25.0
			1	104	24.37	24.34	24.24	0.0	25.0
			1	105	22.25	22.23	22.28	1.0	24.0
			50	0	22.45	22.44	22.39	1.0	24.0
			50	28	24.49	24.49	24.49	0.0	25.0
			50	56	22.48	22.38	22.18	1.0	24.0
			100	0	22.46	22.43	22.35	1.0	24.0
		16QAM	1	0	22.06	22.03	21.88	2.0	23.0
			1	1	23.25	23.56	23.54	1.0	24.0
			1	53	23.54	23.70	23.60	1.0	24.0
			1	104	23.42	23.58	23.51	1.0	24.0
			1	105	22.13	22.00	21.82	2.0	23.0
			50	0	21.94	21.97	21.92	2.0	23.0
			50	28	23.44	23.45	23.42	1.0	24.0
			50	56	21.92	21.88	21.71	2.0	23.0
			100	0	21.93	21.93	21.82	2.0	23.0
		64QAM	1	0	21.47	21.70	21.66	2.5	22.5
			1	1	21.98	22.31	22.16	2.5	22.5
			1	53	22.23	22.46	22.24	2.5	22.5
			1	104	22.08	22.32	22.14	2.5	22.5
			1	105	21.71	21.69	21.52	2.5	22.5
			50	0	21.41	21.44	21.39	2.5	22.5
			50	28	21.91	21.91	21.92	2.5	22.5
			50	56	21.46	21.41	21.19	2.5	22.5
			100	0	21.45	21.37	21.26	2.5	22.5
		256QAM	1	0	20.08	20.19	20.26	4.5	20.5
			1	1	20.01	20.19	20.31	4.5	20.5
			1	53	20.26	20.33	20.26	4.5	20.5
			1	104	20.13	20.20	20.06	4.5	20.5
			1	105	20.21	20.16	20.07	4.5	20.5
			50	0	20.17	20.11	20.06	4.5	20.5
			50	28	20.07	20.09	20.04	4.5	20.5
			50	56	20.14	20.05	19.86	4.5	20.5
			100	0	20.13	20.13	20.00	4.5	20.5

20 MHz	CP-OFDM	QPSK	1	0	20.32	20.40	20.37	3.0	22.0
			1	1	22.56	22.71	22.70	1.5	23.5
			1	53	22.83	22.84	22.84	1.5	23.5
			1	104	22.73	22.74	22.69	1.5	23.5
			1	105	20.21	20.13	20.14	3.0	22.0
			53	0	20.59	20.59	20.29	3.0	22.0
			53	28	21.10	21.10	21.07	1.5	23.5
			53	53	20.37	20.30	20.11	3.0	22.0
			106	0	20.60	20.34	20.20	3.0	22.0
		16QAM	1	0	20.44	20.76	20.58	3.0	22.0
			1	1	22.39	22.25	22.54	2.0	23.0
			1	53	22.74	22.51	22.71	2.0	23.0
			1	104	22.51	22.30	22.58	2.0	23.0
			1	105	20.37	20.54	20.33	3.0	22.0
			53	0	20.58	20.59	20.28	3.0	22.0
			53	28	20.50	20.53	20.58	2.0	23.0
			53	53	20.37	20.28	20.08	3.0	22.0
			106	0	20.63	20.35	20.26	3.0	22.0
		64QAM	1	0	20.16	20.21	20.23	3.5	21.5
			1	1	20.57	20.82	20.69	3.5	21.5
			1	53	20.71	20.95	20.82	3.5	21.5
			1	104	20.62	21.07	20.75	3.5	21.5
			1	105	20.10	20.10	20.11	3.5	21.5
			53	0	20.66	20.66	20.36	3.5	21.5
			53	28	20.35	20.34	20.37	3.5	21.5
			53	53	20.42	20.35	20.19	3.5	21.5
			106	0	20.53	20.33	20.21	3.5	21.5
		256QAM	1	0	17.72	17.74	17.93	6.5	18.5
			1	1	17.84	17.81	18.02	6.5	18.5
			1	53	18.00	17.92	18.05	6.5	18.5
			1	104	17.94	17.84	18.14	6.5	18.5
			1	105	17.96	17.78	18.03	6.5	18.5
			53	0	18.05	18.04	17.98	6.5	18.5
			53	28	17.95	18.00	17.96	6.5	18.5
			53	53	18.03	17.94	17.73	6.5	18.5
			106	0	18.07	18.05	17.92	6.5	18.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					166300	167300	168300		
					831.5 MHz	836.5 MHz	841.5 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.33	22.39	22.50	0.5	24.5
			1	1	24.31	24.41	24.54	0.0	25.0
			1	40	24.44	24.47	24.43	0.0	25.0
			1	77	24.54	24.38	24.39	0.0	25.0
			1	78	22.58	22.38	22.38	0.5	24.5
			36	0	22.45	22.45	22.39	0.5	24.5
			36	22	24.48	24.55	24.47	0.0	25.0
			36	43	22.45	22.46	22.25	0.5	24.5
			75	0	22.44	22.45	22.32	0.5	24.5
		QPSK	1	0	22.33	22.42	22.54	1.0	24.0
			1	1	24.37	24.50	24.59	0.0	25.0
			1	40	24.48	24.54	24.47	0.0	25.0
			1	77	24.63	24.43	24.43	0.0	25.0
			1	78	22.61	22.45	22.42	1.0	24.0
			36	0	22.44	22.44	22.43	1.0	24.0
			36	22	24.52	24.57	24.47	0.0	25.0
			36	43	22.47	22.48	22.26	1.0	24.0
			75	0	22.47	22.47	22.32	1.0	24.0
		16QAM	1	1	23.27	23.37	23.50	1.0	24.0
		64QAM	1	1	21.92	22.04	22.20	2.5	22.5
256QAM	1	1	19.80	19.91	20.00	4.5	20.5		
CP-OFDM	QPSK	1	1	22.83	22.89	23.04	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					165800	167300	168800		
					829 MHz	836.5 MHz	844 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.19	22.37	22.33	0.5	24.5
			1	1	24.20	24.35	24.34	0.0	25.0
			1	26	24.30	24.41	24.17	0.0	25.0
			1	50	24.45	24.42	24.25	0.0	25.0
			1	51	22.47	22.47	22.28	0.5	24.5
			25	0	22.27	22.26	22.21	0.5	24.5
			25	14	24.31	24.35	24.24	0.0	25.0
			25	27	22.26	22.36	22.02	0.5	24.5
			50	0	22.27	22.30	22.09	0.5	24.5
		QPSK	1	0	22.24	22.39	22.41	1.0	24.0
			1	1	24.24	24.41	24.39	0.0	25.0
			1	26	24.38	24.43	24.23	0.0	25.0
			1	50	24.48	24.47	24.30	0.0	25.0
			1	51	22.52	22.49	22.36	1.0	24.0
			25	0	22.34	22.29	22.20	1.0	24.0
			25	14	24.31	24.34	24.26	0.0	25.0
			25	27	22.25	22.38	22.03	1.0	24.0
			50	0	22.28	22.37	22.11	1.0	24.0
		16QAM	1	1	23.11	23.29	23.32	1.0	24.0
		64QAM	1	1	21.79	22.01	22.00	2.5	22.5
256QAM	1	1	19.69	19.83	19.82	4.5	20.5		
CP-OFDM	QPSK	1	1	22.72	22.85	22.86	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					165300	167300	169300		
					826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.30	22.49	22.28	0.5	24.5
			1	1	24.33	24.57	24.40	0.0	25.0
			1	13	24.39	24.56	24.27	0.0	25.0
			1	23	24.46	24.52	24.29	0.0	25.0
			1	24	22.46	22.45	22.29	0.5	24.5
			12	0	22.35	22.43	22.38	0.5	24.5
			12	7	24.46	24.55	24.34	0.0	25.0
			12	13	22.38	22.46	22.20	0.5	24.5
			25	0	22.32	22.49	22.25	0.5	24.5
		QPSK	1	0	22.33	22.53	22.35	1.0	24.0
			1	1	24.41	24.62	24.41	0.0	25.0
			1	13	24.42	24.59	24.33	0.0	25.0
			1	23	24.48	24.57	24.34	0.0	25.0
			1	24	22.46	22.48	22.31	1.0	24.0
			12	0	22.37	22.50	22.38	1.0	24.0
			12	7	24.43	24.57	24.30	0.0	25.0
			12	13	22.38	22.48	22.23	1.0	24.0
		25	0	22.41	22.51	22.32	1.0	24.0	
		16QAM	1	1	23.29	23.53	23.34	1.0	24.0
		64QAM	1	1	21.94	22.16	21.96	2.5	22.5
		256QAM	1	1	19.77	19.93	19.87	4.5	20.5
CP-OFDM	QPSK	1	1	22.92	23.09	22.94	1.5	23.5	

NR Band n41#0 (Anchor B4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.11	21.81	21.67	0.5	23.6
			1	1	22.73	22.48	22.27	0.0	24.1
			1	137	22.93	22.66	23.05	0.0	24.1
			1	271	22.33	22.78	22.71	0.0	24.1
			1	272	21.84	22.23	22.20	0.5	23.6
			135	0	22.47	22.24	22.48	0.5	23.6
			135	69	22.85	22.83	23.08	0.0	24.1
			135	138	22.25	22.35	22.44	0.5	23.6
			270	0	22.36	22.28	22.45	0.5	23.6
		QPSK	1	0	21.67	21.45	21.25	1.0	23.1
			1	1	22.81	22.53	22.41	0.0	24.1
			1	137	22.88	22.85	23.18	0.0	24.1
			1	271	22.54	22.84	22.81	0.0	24.1
			1	272	21.49	21.80	21.79	1.0	23.1
			135	0	22.03	21.75	22.00	1.0	23.1
			135	69	22.90	22.80	23.11	0.0	24.1
			135	138	21.75	21.84	21.94	1.0	23.1
			270	0	21.90	21.80	21.92	1.0	23.1
		16QAM	1	0	20.73	20.42	20.17	2.0	22.1
			1	1	21.92	21.70	21.37	1.0	23.1
			1	137	22.06	21.84	22.09	1.0	23.1
			1	271	21.50	21.92	21.83	1.0	23.1
			1	272	20.49	20.85	20.81	2.0	22.1
			135	0	20.99	20.74	20.97	2.0	22.1
			135	69	21.94	22.00	22.19	1.0	23.1
			135	138	20.80	20.82	20.96	2.0	22.1
			270	0	20.80	20.81	20.91	2.0	22.1
		64QAM	1	0	20.14	19.96	19.64	2.5	21.6
			1	1	20.29	20.03	19.87	2.5	21.6
			1	137	20.44	20.39	20.68	2.5	21.6
			1	271	19.94	20.36	20.00	2.5	21.6
			1	272	19.82	20.28	20.14	2.5	21.6
			135	0	20.49	20.19	20.47	2.5	21.6
			135	69	20.40	20.32	20.61	2.5	21.6
			135	138	20.17	20.27	20.34	2.5	21.6
			270	0	20.32	20.29	20.39	2.5	21.6
		256QAM	1	0	18.52	18.08	17.79	4.5	19.6
			1	1	18.64	18.21	17.92	4.5	19.6
			1	137	18.73	18.41	18.73	4.5	19.6
			1	271	18.33	18.41	18.39	4.5	19.6
			1	272	18.05	18.31	18.35	4.5	19.6
			135	0	18.43	18.15	18.40	4.5	19.6
			135	69	18.35	18.33	18.53	4.5	19.6
			135	138	18.14	18.23	18.31	4.5	19.6
			270	0	18.34	18.26	18.34	4.5	19.6

100 MHz	CP-OFDM	QPSK	1	0	19.50	19.34	19.05	3.0	21.1
			1	1	21.15	21.02	20.52	1.5	22.6
			1	136	21.38	21.01	21.35	1.5	22.6
			1	271	20.71	21.24	20.92	1.5	22.6
			1	272	19.19	19.60	19.32	3.0	21.1
			137	0	19.94	19.72	19.98	3.0	21.1
			137	68	21.44	21.33	21.58	1.5	22.6
			137	136	19.64	19.80	19.88	3.0	21.1
			273	0	19.78	19.74	19.86	3.0	21.1
		16QAM	1	0	19.48	19.25	19.12	3.0	21.1
			1	1	20.77	20.41	20.33	2.0	22.1
			1	136	20.87	20.81	21.03	2.0	22.1
			1	271	20.57	20.67	20.57	2.0	22.1
			1	272	19.33	19.58	19.50	3.0	21.1
			137	0	19.95	19.66	19.85	3.0	21.1
			137	68	20.89	20.84	21.02	2.0	22.1
			137	136	19.65	19.74	19.87	3.0	21.1
			273	0	19.81	19.74	19.85	3.0	21.1
		64QAM	1	0	19.11	18.64	18.51	3.5	20.6
			1	1	19.10	18.77	18.68	3.5	20.6
			1	136	19.10	18.96	19.34	3.5	20.6
			1	271	18.93	19.09	19.18	3.5	20.6
			1	272	18.84	18.99	18.97	3.5	20.6
			137	0	19.39	19.16	19.47	3.5	20.6
			137	68	19.35	19.32	19.58	3.5	20.6
			137	136	19.13	19.28	19.34	3.5	20.6
			273	0	19.26	19.24	19.35	3.5	20.6
		256QAM	1	0	16.13	16.03	16.01	6.5	17.6
			1	1	16.35	16.18	16.23	6.5	17.6
			1	136	16.36	16.23	16.63	6.5	17.6
			1	271	16.06	16.40	16.49	6.5	17.6
			1	272	16.04	16.35	16.36	6.5	17.6
			137	0	16.49	16.20	16.48	6.5	17.6
			137	68	16.38	16.34	16.54	6.5	17.6
			137	136	16.20	16.26	16.37	6.5	17.6
			273	0	16.30	16.26	16.37	6.5	17.6

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200	518598	528996		
					2541 MHz	2592.99 MHz	2644.98 MHz		
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.37	22.06	21.98	0.5	23.6
			1	1	22.89	22.57	22.41	0.0	24.1
			1	123	22.86	22.57	22.96	0.0	24.1
			1	243	22.55	22.89	22.92	0.0	24.1
			1	244	22.11	22.45	22.46	0.5	23.6
			120	0	22.74	22.33	22.50	0.5	23.6
			120	63	22.97	22.80	23.11	0.0	24.1
			120	125	22.36	22.36	22.39	0.5	23.6
			243	0	22.50	22.34	22.47	0.5	23.6
		QPSK	1	0	21.95	21.64	21.55	1.0	23.1
			1	1	22.98	22.65	22.58	0.0	24.1
			1	123	22.92	22.77	23.06	0.0	24.1
			1	243	22.70	23.00	22.99	0.0	24.1
			1	244	21.71	22.00	22.03	1.0	23.1
			120	0	22.10	21.84	22.00	1.0	23.1
			120	63	23.02	22.88	23.10	0.0	24.1
			120	125	21.91	21.85	21.98	1.0	23.1
			243	0	21.96	21.84	21.95	1.0	23.1
		16QAM	1	1	22.08	21.79	21.55	1.0	23.1
		64QAM	1	1	20.45	20.09	20.09	2.5	21.6
256QAM	1	1	18.66	18.33	18.37	4.5	19.6		
CP-OFDM	QPSK	1	1	21.35	21.14	20.56	1.5	22.6	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					507204	518598	529998		
					2536.02 MHz	2592.99 MHz	2649.99 MHz		
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.62	22.32	22.38	0.5	23.6
			1	1	23.05	22.58	22.56	0.0	24.1
			1	109	23.10	23.02	22.71	0.0	24.1
			1	215	22.49	23.06	23.00	0.0	24.1
			1	216	22.40	22.86	22.66	0.5	23.6
			108	0	22.85	22.42	22.40	0.5	23.6
			108	55	22.99	22.67	22.96	0.0	24.1
			108	109	22.48	22.21	22.33	0.5	23.6
			216	0	22.80	22.36	22.25	0.5	23.6
		QPSK	1	0	22.00	21.75	22.00	1.0	23.1
			1	1	22.90	22.66	22.73	0.0	24.1
			1	109	22.83	22.67	22.95	0.0	24.1
			1	215	22.68	23.03	22.99	0.0	24.1
			1	216	22.02	22.36	22.33	1.0	23.1
			108	0	21.96	21.94	22.03	1.0	23.1
			108	55	22.92	22.74	23.02	0.0	24.1
			108	109	22.05	21.86	21.82	1.0	23.1
			216	0	21.93	21.76	21.97	1.0	23.1
		16QAM	1	1	22.04	21.74	21.56	1.0	23.1
		64QAM	1	1	20.74	20.42	20.31	2.5	21.6
256QAM	1	1	18.78	18.26	18.37	4.5	19.6		
CP-OFDM	QPSK	1	1	21.27	21.09	20.54	1.5	22.6	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200	518598	531996		
					2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.64	22.38	22.58	0.5	23.6
			1	1	23.02	22.54	22.77	0.0	24.1
			1	81	23.18	22.96	22.77	0.0	24.1
			1	160	22.58	23.14	22.84	0.0	24.1
			1	161	22.30	22.76	22.61	0.5	23.6
			81	0	22.85	22.35	22.34	0.5	23.6
			81	41	23.02	22.81	23.08	0.0	24.1
			81	81	22.47	22.39	22.26	0.5	23.6
			162	0	22.73	22.27	22.32	0.5	23.6
		QPSK	1	0	21.97	21.70	21.87	1.0	23.1
			1	1	23.12	22.52	22.66	0.0	24.1
			1	81	22.88	22.58	22.78	0.0	24.1
			1	160	22.77	22.93	23.11	0.0	24.1
			1	161	22.21	22.23	22.42	1.0	23.1
			81	0	22.11	21.77	21.83	1.0	23.1
			81	41	22.86	22.91	22.88	0.0	24.1
			81	81	21.98	21.73	21.75	1.0	23.1
			162	0	21.87	21.79	21.96	1.0	23.1
		16QAM	1	1	22.09	21.76	21.58	1.0	23.1
		64QAM	1	1	20.53	20.41	20.21	2.5	21.6
256QAM	1	1	18.60	18.05	18.23	4.5	19.6		
CP-OFDM	QPSK	1	1	21.39	21.16	20.54	1.5	22.6	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204	518598	532998		
					2521.02 MHz	2592.99 MHz	2664.99 MHz		
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.76	22.37	22.36	0.5	23.6
			1	1	23.15	22.66	22.59	0.0	24.1
			1	67	23.17	22.83	22.68	0.0	24.1
			1	131	22.82	22.93	22.79	0.0	24.1
			1	132	22.65	22.72	22.69	0.5	23.6
			64	0	22.82	22.35	22.20	0.5	23.6
			64	35	22.92	22.72	22.85	0.0	24.1
			64	69	22.44	22.47	22.22	0.5	23.6
			128	0	22.69	22.39	22.22	0.5	23.6
		QPSK	1	0	22.23	21.83	21.87	1.0	23.1
			1	1	23.10	22.65	22.82	0.0	24.1
			1	67	22.78	22.69	22.55	0.0	24.1
			1	131	22.84	23.03	22.96	0.0	24.1
			1	132	22.20	22.23	22.32	1.0	23.1
			64	0	21.98	21.93	21.83	1.0	23.1
			64	35	23.12	22.90	22.89	0.0	24.1
			64	69	22.17	21.92	21.85	1.0	23.1
			128	0	22.15	21.85	21.82	1.0	23.1
		16QAM	1	1	22.06	21.88	21.69	1.0	23.1
		64QAM	1	1	20.78	20.59	20.49	2.5	21.6
256QAM	1	1	18.66	18.38	18.26	4.5	19.6		
CP-OFDM	QPSK	1	1	21.32	20.97	20.42	1.5	22.6	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503202	518598	534000		
					2516.01 MHz	2592.99 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.32	22.33	22.22	0.5	23.6
			1	1	22.77	22.36	22.25	0.0	24.1
			1	53	23.13	22.84	22.58	0.0	24.1
			1	104	22.44	22.86	22.66	0.0	24.1
			1	105	22.24	22.45	22.48	0.5	23.6
			50	0	22.98	22.44	22.34	0.5	23.6
			50	28	22.89	22.79	22.92	0.0	24.1
			50	56	22.62	22.46	22.01	0.5	23.6
			100	0	22.63	22.29	22.30	0.5	23.6
		QPSK	1	0	21.93	21.50	21.60	1.0	23.1
			1	1	22.88	22.63	22.32	0.0	24.1
			1	53	22.69	22.61	22.71	0.0	24.1
			1	104	22.54	22.98	22.69	0.0	24.1
			1	105	22.12	22.03	21.95	1.0	23.1
			50	0	21.97	21.94	21.72	1.0	23.1
			50	28	22.92	23.02	22.76	0.0	24.1
			50	56	22.17	21.78	21.88	1.0	23.1
			100	0	21.93	21.96	21.81	1.0	23.1
		16QAM	1	1	21.95	21.43	21.30	1.0	23.1
		64QAM	1	1	20.56	20.30	20.00	2.5	21.6
256QAM	1	1	18.52	18.18	18.11	4.5	19.6		
CP-OFDM	QPSK	1	1	21.17	20.75	20.68	1.5	22.6	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502200	518598	534996		
					2511 MHz	2592.99 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.63	22.42	22.11	0.5	23.6
			1	1	23.08	22.73	22.29	0.0	24.1
			1	39	23.11	23.03	22.67	0.0	24.1
			1	76	22.80	23.01	22.96	0.0	24.1
			1	77	22.53	22.71	22.57	0.5	23.6
			36	0	22.76	22.49	22.29	0.5	23.6
			36	21	22.98	22.89	22.88	0.0	24.1
			36	42	22.46	22.49	22.45	0.5	23.6
			75	0	22.75	22.50	22.33	0.5	23.6
		QPSK	1	0	22.09	21.60	21.68	1.0	23.1
			1	1	23.12	22.84	22.38	0.0	24.1
			1	39	22.75	22.74	22.60	0.0	24.1
			1	76	22.84	23.05	22.99	0.0	24.1
			1	77	22.26	22.37	22.33	1.0	23.1
			36	0	22.03	21.91	21.75	1.0	23.1
			36	21	23.06	23.03	22.86	0.0	24.1
			36	42	22.06	21.92	21.91	1.0	23.1
			75	0	22.04	21.94	21.84	1.0	23.1
		16QAM	1	1	22.22	21.92	21.44	1.0	23.1
		64QAM	1	1	20.71	20.40	20.04	2.5	21.6
256QAM	1	1	18.79	18.23	18.12	4.5	19.6		
CP-OFDM	QPSK	1	1	21.48	21.01	20.61	1.5	22.6	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501204	518598	535998		
					2506.02 MHz	2592.99 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.56	22.61	22.21	0.5	23.6
			1	1	23.15	22.83	22.41	0.0	24.1
			1	26	23.11	22.97	22.72	0.0	24.1
			1	49	22.63	23.04	23.13	0.0	24.1
			1	50	22.45	22.75	22.90	0.5	23.6
			25	0	22.82	22.48	22.51	0.5	23.6
			25	13	22.97	22.84	22.90	0.0	24.1
			25	26	22.54	22.59	22.50	0.5	23.6
			50	0	22.72	22.38	22.59	0.5	23.6
		QPSK	1	0	21.96	21.80	21.83	1.0	23.1
			1	1	23.08	23.12	22.48	0.0	24.1
			1	26	22.66	22.77	22.57	0.0	24.1
			1	49	22.68	23.17	23.03	0.0	24.1
			1	50	22.01	22.45	22.36	1.0	23.1
			25	0	22.00	22.07	21.98	1.0	23.1
			25	13	22.83	23.07	22.78	0.0	24.1
			25	26	22.04	22.03	21.98	1.0	23.1
		50	0	22.02	21.88	21.99	1.0	23.1	
		16QAM	1	1	21.94	21.89	21.41	1.0	23.1
	64QAM	1	1	20.66	20.51	20.11	2.5	21.6	
256QAM	1	1	18.79	18.41	18.21	4.5	19.6		
CP-OFDM	QPSK	1	1	21.20	21.31	20.42	1.5	22.6	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500700	518598	536496		
					2503.5 MHz	2592.99 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.77	22.40	22.12	0.5	23.6
			1	1	23.11	22.66	22.31	0.0	24.1
			1	19	23.15	22.91	22.58	0.0	24.1
			1	36	22.75	23.00	23.08	0.0	24.1
			1	37	22.56	22.81	22.70	0.5	23.6
			19	0	22.98	22.30	22.11	0.5	23.6
			19	9	22.71	22.21	22.36	0.0	24.1
			19	19	22.50	22.46	22.57	0.5	23.6
			38	0	22.69	22.24	22.38	0.5	23.6
		QPSK	1	0	22.02	21.67	21.64	1.0	23.1
			1	1	23.14	22.83	22.32	0.0	24.1
			1	19	22.72	22.54	22.64	0.0	24.1
			1	36	23.02	23.11	23.04	0.0	24.1
			1	37	22.08	22.33	22.27	1.0	23.1
			19	0	22.11	22.01	21.82	1.0	23.1
			19	9	22.27	21.87	21.66	0.0	24.1
			19	19	22.19	21.96	22.16	1.0	23.1
		38	0	21.93	21.69	21.80	1.0	23.1	
		16QAM	1	1	22.00	21.95	21.58	1.0	23.1
	64QAM	1	1	20.68	20.47	20.13	2.5	21.6	
256QAM	1	1	18.72	18.16	17.77	4.5	19.6		
CP-OFDM	QPSK	1	1	21.32	20.87	20.54	1.5	22.6	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
					500202	518598	537000			
					2501.01 MHz	2592.99 MHz	2685 MHz			
10 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.82	22.65	22.54	0.5	23.6	
			1	1	23.18	22.89	22.55	0.0	24.1	
			1	26	23.15	23.04	22.93	0.0	24.1	
			1	49	23.00	23.17	23.17	0.0	24.1	
			1	50	22.68	22.93	23.05	0.5	23.6	
			25	0	22.94	22.48	22.65	0.5	23.6	
			25	13	23.04	22.80	23.14	0.0	24.1	
			25	26	22.70	22.38	22.84	0.5	23.6	
			50	0	22.65	22.36	22.68	0.5	23.6	
		QPSK	1	0	22.19	21.75	22.05	1.0	23.1	
			1	1	23.16	23.06	22.67	0.0	24.1	
			1	26	22.72	22.76	22.83	0.0	24.1	
			1	49	23.08	23.16	23.12	0.0	24.1	
			1	50	22.18	22.39	22.64	1.0	23.1	
			25	0	22.08	22.00	21.92	1.0	23.1	
			25	13	23.15	22.90	23.05	0.0	24.1	
			25	26	22.12	21.96	22.35	1.0	23.1	
		50	0	21.93	21.87	22.15	1.0	23.1		
		16QAM	1	1	22.12	21.97	21.58	1.0	23.1	
		64QAM	1	1	20.61	20.49	20.36	2.5	21.6	
		256QAM	1	1	18.49	18.42	18.05	4.5	19.6	
		CP-OFDM	QPSK	1	1	21.46	21.23	20.49	1.5	22.6

NR Band n41#1 (Anchor B12)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.27	22.57	22.74	0.5	24.0
			1	1	22.89	23.18	23.36	0.0	24.5
			1	137	23.89	24.13	24.06	0.0	24.5
			1	271	23.45	23.44	23.63	0.0	24.5
			1	272	22.87	22.87	23.10	0.5	24.0
			135	0	22.92	23.43	23.47	0.5	24.0
			135	69	23.89	24.05	24.10	0.0	24.5
			135	138	23.36	23.42	23.50	0.5	24.0
		270	0	23.16	23.40	23.51	0.5	24.0	
		QPSK	1	0	21.83	22.15	22.28	1.0	23.5
			1	1	22.94	23.29	23.42	0.0	24.5
			1	137	24.02	24.16	24.06	0.0	24.5
			1	271	23.47	23.48	23.70	0.0	24.5
			1	272	22.39	22.39	22.63	1.0	23.5
			135	0	22.42	22.94	23.00	1.0	23.5
			135	69	23.89	24.10	24.13	0.0	24.5
			135	138	22.88	22.89	22.97	1.0	23.5
		270	0	22.67	22.93	23.05	1.0	23.5	
		16QAM	1	0	21.00	21.24	21.45	2.0	22.5
			1	1	22.18	22.40	22.71	1.0	23.5
			1	137	23.29	23.41	23.40	1.0	23.5
			1	271	22.68	22.64	23.01	1.0	23.5
			1	272	21.54	21.50	21.85	2.0	22.5
			135	0	21.42	21.98	22.03	2.0	22.5
			135	69	22.99	23.14	23.17	1.0	23.5
			135	138	21.87	21.92	22.00	2.0	22.5
		270	0	21.67	21.91	22.04	2.0	22.5	
		64QAM	1	0	20.26	20.64	20.73	2.5	22.0
			1	1	20.30	20.76	20.77	2.5	22.0
			1	137	21.43	21.49	21.56	2.5	22.0
			1	271	20.85	20.88	21.16	2.5	22.0
			1	272	20.81	20.77	21.03	2.5	22.0
			135	0	20.94	21.45	21.53	2.5	22.0
			135	69	21.46	21.62	21.67	2.5	22.0
			135	138	21.40	21.43	21.48	2.5	22.0
		270	0	21.18	21.41	21.56	2.5	22.0	
		256QAM	1	0	18.15	18.44	18.62	4.5	20.0
			1	1	18.32	18.57	18.77	4.5	20.0
			1	137	19.44	19.55	19.47	4.5	20.0
			1	271	18.78	18.81	19.07	4.5	20.0
			1	272	18.71	18.69	19.00	4.5	20.0
			135	0	18.90	19.43	19.46	4.5	20.0
			135	69	19.45	19.60	19.62	4.5	20.0
			135	138	19.37	19.39	19.46	4.5	20.0
		270	0	19.17	19.40	19.51	4.5	20.0	

100 MHz	CP-OFDM	QPSK	1	0	19.77	20.12	20.27	3.0	21.5
			1	1	21.44	21.76	21.88	1.5	23.0
			1	136	22.49	22.63	22.58	1.5	23.0
			1	271	21.90	21.88	22.18	1.5	23.0
			1	272	20.27	20.25	20.56	3.0	21.5
			137	0	20.41	20.96	20.99	3.0	21.5
			137	68	22.44	22.62	22.64	1.5	23.0
			137	136	20.89	20.87	20.97	3.0	21.5
			273	0	20.68	20.91	20.98	3.0	21.5
		16QAM	1	0	19.87	20.41	20.38	3.0	21.5
			1	1	21.29	21.77	21.60	2.0	22.5
			1	136	22.47	22.30	22.46	2.0	22.5
			1	271	21.70	21.67	22.21	2.0	22.5
			1	272	20.39	20.49	20.84	3.0	21.5
			137	0	20.43	20.96	20.99	3.0	21.5
			137	68	21.97	22.11	22.17	2.0	22.5
			137	136	20.89	20.89	20.98	3.0	21.5
			273	0	20.68	20.92	20.98	3.0	21.5
		64QAM	1	0	19.22	19.48	19.66	3.5	21.0
			1	1	19.35	19.59	19.85	3.5	21.0
			1	136	20.16	20.54	20.45	3.5	21.0
			1	271	19.81	19.91	20.10	3.5	21.0
			1	272	19.75	19.71	19.91	3.5	21.0
			137	0	19.96	20.47	20.52	3.5	21.0
			137	68	20.49	20.63	20.65	3.5	21.0
			137	136	20.40	20.40	20.47	3.5	21.0
			273	0	20.14	20.38	20.48	3.5	21.0
		256QAM	1	0	16.74	17.04	17.21	6.5	18.0
			1	1	16.85	17.16	17.33	6.5	18.0
			1	136	17.65	17.75	17.73	6.5	18.0
			1	271	17.33	17.31	17.56	6.5	18.0
			1	272	17.23	17.15	17.47	6.5	18.0
			137	0	17.12	17.60	17.65	6.5	18.0
			137	68	17.57	17.74	17.75	6.5	18.0
			137	136	17.56	17.51	17.64	6.5	18.0
			273	0	17.35	17.61	17.68	6.5	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200	518598	528996		
					2541 MHz	2592.99 MHz	2644.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.66	22.88	23.06	0.5	24.0
			1	1	23.20	23.38	23.57	0.0	24.5
			1	123	23.89	23.99	23.93	0.0	24.5
			1	243	23.75	23.66	23.86	0.0	24.5
			1	244	23.31	23.17	23.41	0.5	24.0
			120	0	23.14	23.44	23.54	0.5	24.0
			120	63	24.03	24.12	24.13	0.0	24.5
			120	125	23.53	23.46	23.57	0.5	24.0
			243	0	23.34	23.53	23.57	0.5	24.0
		QPSK	1	0	22.23	22.46	22.58	1.0	23.5
			1	1	23.28	23.51	23.58	0.0	24.5
			1	123	24.07	24.05	24.00	0.0	24.5
			1	243	23.77	23.70	23.92	0.0	24.5
			1	244	22.80	22.70	22.95	1.0	23.5
			120	0	22.59	22.98	23.07	1.0	23.5
			120	63	24.08	24.12	24.13	0.0	24.5
			120	125	23.00	22.97	23.06	1.0	23.5
			243	0	22.85	22.99	23.07	1.0	23.5
		16QAM	1	1	22.10	22.44	22.54	1.0	23.5
		64QAM	1	1	20.78	20.96	21.14	2.5	22.0
256QAM	1	1	18.74	18.87	18.97	4.5	20.0		
CP-OFDM	QPSK	1	1	21.67	21.89	22.00	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					507204	518598	529998		
					2536.02 MHz	2592.99 MHz	2649.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.80	23.12	23.13	0.5	24.0
			1	1	23.26	23.59	23.61	0.0	24.5
			1	109	23.80	24.02	23.93	0.0	24.5
			1	215	23.76	23.76	23.92	0.0	24.5
			1	216	23.36	23.33	23.50	0.5	24.0
			108	0	23.16	23.57	23.64	0.5	24.0
			108	55	24.00	24.16	24.16	0.0	24.5
			108	109	23.51	23.56	23.62	0.5	24.0
			216	0	23.29	23.53	23.57	0.5	24.0
		QPSK	1	0	22.35	22.69	22.70	1.0	23.5
			1	1	23.37	23.70	23.67	0.0	24.5
			1	109	23.95	24.10	23.97	0.0	24.5
			1	215	23.83	23.79	24.00	0.0	24.5
			1	216	22.86	22.83	23.05	1.0	23.5
			108	0	22.71	23.09	23.09	1.0	23.5
			108	55	24.02	24.24	24.17	0.0	24.5
			108	109	23.00	23.08	23.14	1.0	23.5
			216	0	22.81	23.05	23.11	1.0	23.5
		16QAM	1	1	22.21	22.66	22.61	1.0	23.5
		64QAM	1	1	20.84	21.09	21.29	2.5	22.0
256QAM	1	1	18.73	19.07	19.23	4.5	20.0		
CP-OFDM	QPSK	1	1	21.77	22.08	22.02	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200	518598	531996		
					2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.91	23.31	23.38	0.5	24.0
			1	1	23.39	23.80	23.86	0.0	24.5
			1	81	23.72	24.13	24.08	0.0	24.5
			1	160	23.85	23.96	24.10	0.0	24.5
			1	161	23.42	23.51	23.67	0.5	24.0
			81	0	22.97	23.52	23.60	0.5	24.0
			81	41	23.86	24.20	24.18	0.0	24.5
			81	81	23.37	23.61	23.65	0.5	24.0
		162	0	23.18	23.58	23.66	0.5	24.0	
		QPSK	1	0	22.48	22.87	22.89	1.0	23.5
			1	1	23.48	23.89	23.89	0.0	24.5
			1	81	23.87	24.23	24.15	0.0	24.5
			1	160	24.01	24.05	24.19	0.0	24.5
			1	161	23.00	23.06	23.19	1.0	23.5
			81	0	22.45	23.04	23.12	1.0	23.5
			81	41	23.90	24.19	24.20	0.0	24.5
			81	81	22.90	23.14	23.18	1.0	23.5
		162	0	22.70	23.07	23.16	1.0	23.5	
		16QAM	1	1	22.44	22.72	22.85	1.0	23.5
		64QAM	1	1	20.95	21.48	21.41	2.5	22.0
256QAM	1	1	19.18	19.49	19.47	4.5	20.0		
CP-OFDM	QPSK	1	1	21.89	22.31	22.30	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204	518598	532998		
					2521.02 MHz	2592.99 MHz	2664.99 MHz		
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.03	23.50	23.44	0.5	24.0
			1	1	23.45	23.97	23.92	0.0	24.5
			1	67	23.72	24.19	24.14	0.0	24.5
			1	131	23.85	24.01	24.13	0.0	24.5
			1	132	23.42	23.60	23.71	0.5	24.0
			64	0	23.09	23.67	23.60	0.5	24.0
			64	35	23.85	24.29	24.24	0.0	24.5
			64	69	23.42	23.70	23.73	0.5	24.0
		128	0	23.24	23.68	23.69	0.5	24.0	
		QPSK	1	0	22.57	23.05	22.93	1.0	23.5
			1	1	23.59	24.05	23.96	0.0	24.5
			1	67	23.74	24.23	24.19	0.0	24.5
			1	131	24.03	24.10	24.23	0.0	24.5
			1	132	23.01	23.11	23.23	1.0	23.5
			64	0	22.53	23.15	23.13	1.0	23.5
			64	35	23.85	24.30	24.24	0.0	24.5
			64	69	22.96	23.20	23.27	1.0	23.5
		128	0	22.75	23.17	23.19	1.0	23.5	
		16QAM	1	1	22.43	23.01	22.92	1.0	23.5
		64QAM	1	1	21.15	21.58	21.61	2.5	22.0
256QAM	1	1	19.17	19.57	19.55	4.5	20.0		
CP-OFDM	QPSK	1	1	21.97	22.47	22.32	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503202	518598	534000		
					2516.01 MHz	2592.99 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.88	23.30	23.19	0.5	24.0
			1	1	23.34	23.74	23.64	0.0	24.5
			1	53	23.84	24.22	24.23	0.0	24.5
			1	104	23.63	23.80	23.91	0.0	24.5
			1	105	23.18	23.35	23.45	0.5	24.0
			50	0	23.11	23.60	23.54	0.5	24.0
			50	28	23.86	24.26	24.26	0.0	24.5
			50	56	23.43	23.65	23.66	0.5	24.0
			100	0	23.29	23.66	23.67	0.5	24.0
		QPSK	1	0	22.43	22.83	22.67	1.0	23.5
			1	1	23.40	23.80	23.64	0.0	24.5
			1	53	23.89	24.30	24.26	0.0	24.5
			1	104	23.73	23.85	23.97	0.0	24.5
			1	105	22.71	22.86	22.97	1.0	23.5
			50	0	22.63	23.09	23.06	1.0	23.5
			50	28	23.90	24.27	24.24	0.0	24.5
			50	56	22.96	23.17	23.15	1.0	23.5
			100	0	22.77	23.17	23.19	1.0	23.5
		16QAM	1	1	22.38	22.77	22.63	1.0	23.5
	64QAM	1	1	20.97	21.40	21.34	2.5	22.0	
256QAM	1	1	19.07	19.30	19.32	4.5	20.0		
CP-OFDM	QPSK	1	1	21.82	22.23	22.05	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502200	518598	534996		
					2511 MHz	2592.99 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.14	23.47	23.45	0.5	24.0
			1	1	23.58	23.95	23.89	0.0	24.5
			1	39	23.84	24.18	24.26	0.0	24.5
			1	76	23.74	23.97	24.10	0.0	24.5
			1	77	23.32	23.54	23.67	0.5	24.0
			36	0	23.29	23.66	23.72	0.5	24.0
			36	21	23.87	24.19	24.32	0.0	24.5
			36	42	23.41	23.69	23.76	0.5	24.0
			75	0	23.37	23.72	23.76	0.5	24.0
		QPSK	1	0	22.69	23.00	22.97	1.0	23.5
			1	1	23.68	23.99	23.95	0.0	24.5
			1	39	23.87	24.23	24.34	0.0	24.5
			1	76	23.81	24.02	24.18	0.0	24.5
			1	77	22.84	23.05	23.18	1.0	23.5
			36	0	22.81	23.19	23.23	1.0	23.5
			36	21	23.88	24.22	24.32	0.0	24.5
			36	42	22.92	23.21	23.28	1.0	23.5
			75	0	22.90	23.18	23.28	1.0	23.5
		16QAM	1	1	22.60	22.95	22.89	1.0	23.5
	64QAM	1	1	21.30	21.55	21.53	2.5	22.0	
256QAM	1	1	19.46	19.44	19.38	4.5	20.0		
CP-OFDM	QPSK	1	1	22.03	22.40	22.36	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501204	518598	535998		
					2506.02 MHz	2592.99 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.25	23.68	23.66	0.5	24.0
			1	1	23.71	24.14	24.13	0.0	24.5
			1	26	23.79	24.21	24.23	0.0	24.5
			1	49	23.72	24.13	24.22	0.0	24.5
			1	50	23.32	23.67	23.75	0.5	24.0
			25	0	23.28	23.74	23.86	0.5	24.0
			25	13	23.83	24.24	24.33	0.0	24.5
			25	26	23.45	23.81	23.81	0.5	24.0
			50	0	23.39	23.77	23.84	0.5	24.0
		QPSK	1	0	22.81	23.21	23.20	1.0	23.5
			1	1	23.81	24.20	24.18	0.0	24.5
			1	26	23.84	24.25	24.29	0.0	24.5
			1	49	23.77	24.16	24.31	0.0	24.5
			1	50	22.82	23.17	23.27	1.0	23.5
			25	0	22.80	23.25	23.34	1.0	23.5
			25	13	23.87	24.27	24.34	0.0	24.5
			25	26	22.96	23.28	23.32	1.0	23.5
			50	0	22.89	23.28	23.36	1.0	23.5
	16QAM	1	1	22.69	23.15	23.15	1.0	23.5	
	64QAM	1	1	21.21	21.72	21.72	2.5	22.0	
256QAM	1	1	19.40	19.81	19.81	4.5	20.0		
CP-OFDM	QPSK	1	1	22.17	22.63	22.59	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500700	518598	536496		
					2503.5 MHz	2592.99 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.38	23.73	23.65	0.5	24.0
			1	1	23.85	24.18	24.13	0.0	24.5
			1	26	23.87	24.13	24.13	0.0	24.5
			1	49	23.86	24.10	24.18	0.0	24.5
			1	50	23.38	23.67	23.68	0.5	24.0
			25	0	23.42	23.75	23.72	0.5	24.0
			25	13	23.47	23.72	23.77	0.0	24.5
			25	26	23.42	23.67	23.68	0.5	24.0
			50	0	23.48	23.78	23.77	0.5	24.0
		QPSK	1	0	22.91	23.20	23.17	1.0	23.5
			1	1	23.96	24.21	24.18	0.0	24.5
			1	26	23.94	24.29	24.22	0.0	24.5
			1	49	23.84	24.15	24.19	0.0	24.5
			1	50	22.91	23.14	23.24	1.0	23.5
			25	0	22.94	23.27	23.26	1.0	23.5
			25	13	22.92	23.22	23.25	0.0	24.5
			25	26	22.93	23.22	23.24	1.0	23.5
			50	0	22.96	23.26	23.28	1.0	23.5
	16QAM	1	1	22.83	23.15	23.10	1.0	23.5	
	64QAM	1	1	21.39	21.63	21.59	2.5	22.0	
256QAM	1	1	19.28	19.51	19.49	4.5	20.0		
CP-OFDM	QPSK	1	1	22.97	22.95	22.98	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500202	518598	537000		
					2501.01 MHz	2592.99 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.41	23.72	23.65	0.5	24.0
			1	1	23.89	24.20	24.15	0.0	24.5
			1	26	23.93	24.16	24.21	0.0	24.5
			1	49	23.88	24.19	24.17	0.0	24.5
			1	50	23.43	23.71	23.68	0.5	24.0
			25	0	23.49	23.82	23.79	0.5	24.0
			25	13	23.97	24.22	24.26	0.0	24.5
			25	26	23.54	23.78	23.78	0.5	24.0
			50	0	23.49	23.77	23.79	0.5	24.0
		QPSK	1	0	23.00	23.21	23.23	1.0	23.5
			1	1	24.00	24.22	24.22	0.0	24.5
			1	26	24.11	24.32	24.31	0.0	24.5
			1	49	23.95	24.21	24.23	0.0	24.5
			1	50	22.93	23.24	23.22	1.0	23.5
			25	0	22.99	23.29	23.29	1.0	23.5
			25	13	23.98	24.24	24.25	0.0	24.5
			25	26	23.05	23.27	23.29	1.0	23.5
			50	0	23.03	23.30	23.31	1.0	23.5
	16QAM	1	1	23.04	23.39	23.27	1.0	23.5	
	64QAM	1	1	21.48	21.75	21.68	2.5	22.0	
	256QAM	1	1	19.27	19.54	19.51	4.5	20.0	
CP-OFDM	QPSK	1	1	22.29	22.67	22.57	1.5	23.0	

NR Band n66(Anchor B12)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					346000	349000	352000		
					1730 MHz	1745 MHz	1760 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	0	21.51	21.50	21.51	0.5	24.0
			1	1	23.08	23.33	23.33	0.0	24.5
			1	109	23.75	23.73	23.61	0.0	24.5
			1	214	23.33	23.33	23.34	0.0	24.5
			1	215	21.51	21.60	21.55	0.5	24.0
			108	0	21.73	21.72	21.86	0.5	24.0
			108	54	23.75	23.72	23.70	0.0	24.5
			108	108	21.78	21.81	21.75	0.5	24.0
		216	0	21.72	21.81	21.82	0.5	24.0	
		QPSK	1	0	21.32	21.45	21.45	1.0	23.5
			1	1	23.08	23.27	23.27	0.0	24.5
			1	109	23.65	23.68	23.61	0.0	24.5
			1	214	23.36	23.26	23.32	0.0	24.5
			1	215	21.53	21.43	21.53	1.0	23.5
			108	0	21.70	21.72	21.86	1.0	23.5
			108	54	23.75	23.72	23.68	0.0	24.5
			108	108	21.82	21.82	21.80	1.0	23.5
		216	0	21.78	21.73	21.83	1.0	23.5	
		16QAM	1	0	20.84	21.22	20.82	2.0	22.5
			1	1	22.57	22.65	22.56	1.0	23.5
			1	109	23.14	23.07	22.84	1.0	23.5
			1	214	22.75	22.49	22.57	1.0	23.5
			1	215	21.27	21.23	20.94	2.0	22.5
			108	0	21.18	21.19	21.36	2.0	22.5
			108	54	22.95	22.87	22.87	1.0	23.5
			108	108	21.29	21.24	21.31	2.0	22.5
		216	0	21.27	21.25	21.34	2.0	22.5	
		64QAM	1	0	20.62	20.49	20.65	2.5	22.0
			1	1	21.05	21.30	21.11	2.5	22.0
			1	109	21.89	21.78	21.81	2.5	22.0
			1	214	21.54	21.49	21.44	2.5	22.0
			1	215	20.91	20.54	20.88	2.5	22.0
			108	0	20.72	20.73	20.87	2.5	22.0
			108	54	21.45	21.40	21.35	2.5	22.0
			108	108	20.81	20.81	20.74	2.5	22.0
		216	0	20.71	20.78	20.81	2.5	22.0	
		256QAM	1	0	19.01	19.08	19.07	4.5	20.0
			1	1	19.08	19.14	19.29	4.5	20.0
			1	109	19.61	19.74	19.58	4.5	20.0
			1	214	19.24	19.20	19.25	4.5	20.0
			1	215	19.20	19.28	19.29	4.5	20.0
			108	0	19.22	19.21	19.35	4.5	20.0
			108	54	19.45	19.32	19.37	4.5	20.0
			108	108	19.20	19.29	19.26	4.5	20.0
		216	0	19.22	19.21	19.30	4.5	20.0	

40 MHz	CP-OFDM	QPSK	1	0	19.16	19.29	19.37	3.0	21.5
			1	1	21.57	21.81	21.82	1.5	23.0
			1	109	22.17	22.23	22.06	1.5	23.0
			1	214	21.84	21.78	21.77	1.5	23.0
			1	215	19.41	19.37	19.40	3.0	21.5
			108	0	19.65	19.66	19.79	3.0	21.5
			108	54	22.38	22.25	22.31	1.5	23.0
			108	108	19.71	19.77	19.71	3.0	21.5
			216	0	19.65	19.66	19.71	3.0	21.5
		16QAM	1	0	19.41	19.62	19.48	3.0	21.5
			1	1	21.53	21.59	21.51	2.0	22.5
			1	109	22.12	22.05	21.83	2.0	22.5
			1	214	21.59	21.63	21.55	2.0	22.5
			1	215	19.81	19.70	19.52	3.0	21.5
			108	0	19.58	19.66	19.78	3.0	21.5
			108	54	21.89	21.82	21.76	2.0	22.5
			108	108	19.76	19.72	19.76	3.0	21.5
			216	0	19.65	19.71	19.70	3.0	21.5
		64QAM	1	0	18.94	19.13	19.19	3.5	21.0
			1	1	19.91	19.65	20.10	3.5	21.0
			1	109	20.29	20.14	20.09	3.5	21.0
			1	214	19.66	19.67	19.71	3.5	21.0
			1	215	19.32	19.88	19.15	3.5	21.0
			108	0	19.67	19.69	19.79	3.5	21.0
			108	54	20.40	20.31	20.35	3.5	21.0
			108	108	19.75	19.77	19.76	3.5	21.0
			216	0	19.68	19.65	19.69	3.5	21.0
		256QAM	1	0	16.63	16.74	16.78	6.5	18.0
			1	1	16.65	16.83	16.86	6.5	18.0
			1	109	17.15	17.16	17.16	6.5	18.0
			1	214	16.77	16.75	16.79	6.5	18.0
			1	215	16.79	16.76	16.83	6.5	18.0
			108	0	17.11	17.14	17.22	6.5	18.0
			108	54	17.36	17.34	17.26	6.5	18.0
			108	108	17.21	17.21	17.18	6.5	18.0
			216	0	17.12	17.16	17.21	6.5	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000	349000	353000		
					1725 MHz	1745 MHz	1765 MHz		
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.6	21.7	21.7	0.5	24.0
			1	1	23.3	23.5	23.4	0.0	24.5
			1	80	23.7	23.7	23.6	0.0	24.5
			1	158	23.5	23.4	23.5	0.0	24.5
			1	159	21.8	21.7	21.7	0.5	24.0
			80	0	21.7	21.9	21.7	0.5	24.0
			80	40	23.7	23.7	23.7	0.0	24.5
			80	80	21.9	21.8	21.8	0.5	24.0
			75	0	21.9	21.8	21.7	0.5	24.0
		QPSK	1	0	21.5	21.7	21.7	1.0	23.5
			1	1	23.3	23.5	23.4	0.0	24.5
			1	80	23.7	23.8	23.7	0.0	24.5
			1	158	23.5	23.5	23.5	0.0	24.5
			1	159	21.8	21.7	21.7	1.0	23.5
			80	0	21.7	21.8	21.7	1.0	23.5
			80	40	23.7	23.7	23.7	0.0	24.5
			80	80	21.8	21.8	21.8	1.0	23.5
		75	0	21.9	21.8	21.7	1.0	23.5	
		16QAM	1	1	22.4	22.5	22.6	1.0	23.5
		64QAM	1	1	20.9	21.3	21.1	2.5	22.0
256QAM	1	1	18.9	19.3	19.1	4.5	20.0		
CP-OFDM	QPSK	1	1	21.9	22.0	22.0	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500	349000	353500		
					1722.5 MHz	1745 MHz	1767.5 MHz		
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.6	21.9	21.7	0.5	24.0
			1	1	23.4	23.6	23.5	0.0	24.5
			1	66	23.7	23.7	23.6	0.0	24.5
			1	131	23.7	23.6	23.6	0.0	24.5
			1	132	21.9	21.8	21.8	0.5	24.0
			66	0	21.8	21.9	21.8	0.5	24.0
			66	33	23.7	23.7	23.7	0.0	24.5
			66	67	22.0	21.9	21.8	0.5	24.0
			128	0	21.9	21.8	21.8	0.5	24.0
		QPSK	1	0	21.6	21.8	21.7	1.0	23.5
			1	1	23.4	23.6	23.5	0.0	24.5
			1	66	23.7	23.7	23.7	0.0	24.5
			1	131	23.6	23.6	23.6	0.0	24.5
			1	132	21.9	21.8	21.8	1.0	23.5
			66	0	21.7	21.9	21.8	1.0	23.5
			66	33	23.7	23.8	23.7	0.0	24.5
			66	67	21.9	21.8	21.9	1.0	23.5
		128	0	21.8	21.9	21.8	1.0	23.5	
		16QAM	1	1	22.6	22.7	22.6	1.0	23.5
		64QAM	1	1	21.3	21.4	21.0	2.5	22.0
256QAM	1	1	19.1	19.3	19.1	4.5	20.0		
CP-OFDM	QPSK	1	1	21.9	22.1	22.1	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000		
					1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.70	21.94	21.82	0.5	24.0
			1	1	23.48	23.63	23.61	0.0	24.5
			1	53	23.65	23.71	23.65	0.0	24.5
			1	104	23.76	23.71	23.77	0.0	24.5
			1	105	21.98	21.98	21.97	0.5	24.0
			50	0	21.86	21.97	21.77	0.5	24.0
			50	28	23.72	23.72	23.71	0.0	24.5
			50	56	21.94	21.85	21.83	0.5	24.0
			100	0	21.90	21.96	21.89	0.5	24.0
		QPSK	1	0	21.70	21.91	21.77	1.0	23.5
			1	1	23.50	23.73	23.58	0.0	24.5
			1	53	23.78	23.77	23.82	0.0	24.5
			1	104	23.72	23.70	23.79	0.0	24.5
			1	105	21.94	21.89	21.97	1.0	23.5
			50	0	21.87	21.96	21.78	1.0	23.5
			50	28	23.73	23.73	23.74	0.0	24.5
			50	56	21.95	21.80	21.90	1.0	23.5
			100	0	21.86	21.89	21.88	1.0	23.5
		16QAM	1	1	22.58	22.96	22.55	1.0	23.5
		64QAM	1	1	21.23	21.33	21.18	2.5	22.0
256QAM	1	1	19.16	19.37	19.32	4.5	20.0		
CP-OFDM	QPSK	1	1	22.10	22.31	22.19	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500		
					1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.80	22.03	21.92	0.5	24.0
			1	1	23.46	23.71	23.64	0.0	24.5
			1	53	23.62	23.69	23.66	0.0	24.5
			1	104	23.69	23.76	23.78	0.0	24.5
			1	105	22.02	22.09	22.09	0.5	24.0
			50	0	21.85	21.97	22.00	0.5	24.0
			50	28	23.62	23.72	23.74	0.0	24.5
			50	56	21.97	21.90	21.93	0.5	24.0
			100	0	21.96	22.00	22.00	0.5	24.0
		QPSK	1	0	21.74	21.94	21.93	1.0	23.5
			1	1	23.50	23.76	23.70	0.0	24.5
			1	53	23.63	23.74	23.70	0.0	24.5
			1	104	23.77	23.75	23.79	0.0	24.5
			1	105	22.00	22.07	22.05	1.0	23.5
			50	0	21.79	21.98	21.91	1.0	23.5
			50	28	23.67	23.72	23.75	0.0	24.5
			50	56	21.89	21.93	22.00	1.0	23.5
			100	0	21.89	22.00	21.94	1.0	23.5
		16QAM	1	1	22.63	23.01	22.59	1.0	23.5
		64QAM	1	1	21.15	21.56	21.19	2.5	22.0
256QAM	1	1	19.21	19.34	19.34	4.5	20.0		
CP-OFDM	QPSK	1	1	22.11	22.31	22.29	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000	349000	355000		
					1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.59	21.82	21.79	0.5	24.0
			1	1	23.36	23.56	23.53	0.0	24.5
			1	53	23.42	23.54	23.53	0.0	24.5
			1	104	23.57	23.63	23.68	0.0	24.5
			1	105	21.92	21.90	21.99	0.5	24.0
			50	0	21.59	21.82	21.82	0.5	24.0
			50	28	23.46	23.55	23.59	0.0	24.5
			50	56	21.72	21.73	21.77	0.5	24.0
			100	0	21.64	21.79	21.81	0.5	24.0
		QPSK	1	0	21.67	21.84	21.77	1.0	23.5
			1	1	23.40	23.58	23.51	0.0	24.5
			1	53	23.53	23.63	23.60	0.0	24.5
			1	104	23.59	23.64	23.72	0.0	24.5
			1	105	21.88	21.88	21.98	1.0	23.5
			50	0	21.67	21.78	21.84	1.0	23.5
			50	28	23.47	23.58	23.56	0.0	24.5
			50	56	21.73	21.75	21.72	1.0	23.5
		100	0	21.65	21.73	21.77	1.0	23.5	
		16QAM	1	1	22.58	22.63	22.48	1.0	23.5
		64QAM	1	1	21.16	21.30	21.15	2.5	22.0
256QAM	1	1	19.12	19.15	19.24	4.5	20.0		
CP-OFDM	QPSK	1	1	22.00	22.19	22.11	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500	349000	355500		
					1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.86	21.99	22.02	0.5	24.0
			1	1	23.60	23.78	23.79	0.0	24.5
			1	53	23.66	23.78	23.80	0.0	24.5
			1	104	23.70	23.80	23.75	0.0	24.5
			1	105	21.92	22.04	22.02	0.5	24.0
			50	0	21.88	22.06	22.11	0.5	24.0
			50	28	23.61	23.81	23.74	0.0	24.5
			50	56	21.93	21.95	22.08	0.5	24.0
			100	0	21.90	22.03	22.08	0.5	24.0
		QPSK	1	0	21.91	22.07	22.06	1.0	23.5
			1	1	23.65	23.73	23.73	0.0	24.5
			1	53	23.69	23.79	23.76	0.0	24.5
			1	104	23.68	23.73	23.80	0.0	24.5
			1	105	21.89	22.05	22.08	1.0	23.5
			50	0	21.89	22.03	22.08	1.0	23.5
			50	28	23.66	23.73	23.76	0.0	24.5
			50	56	21.85	21.94	21.99	1.0	23.5
		100	0	21.90	22.03	22.09	1.0	23.5	
		16QAM	1	1	22.95	23.03	23.04	1.0	23.5
		64QAM	1	1	21.22	21.34	21.32	2.5	22.0
256QAM	1	1	19.36	19.38	19.43	4.5	20.0		
CP-OFDM	QPSK	1	1	22.36	22.42	22.45	1.5	23.0	

NR Band n71(Anchor B2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					134600	136100	137600		
					673 MHz	680.5 MHz	688 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.51	23.16	23.43	0.5	24.5
			1	1	23.51	23.73	24.03	0.0	25.0
			1	53	23.83	24.03	24.24	0.0	25.0
			1	104	24.14	24.33	24.36	0.0	25.0
			1	105	23.63	23.81	23.83	0.5	24.5
			50	0	23.03	23.33	23.73	0.5	24.5
			50	28	23.82	24.05	24.30	0.0	25.0
			50	56	23.52	23.56	24.03	0.5	24.5
			100	0	23.28	23.46	23.84	0.5	24.5
		QPSK	1	0	22.46	22.66	22.98	1.0	24.0
			1	1	23.45	23.68	23.99	0.0	25.0
			1	53	23.88	24.14	24.35	0.0	25.0
			1	104	24.11	24.28	24.35	0.0	25.0
			1	105	23.10	23.29	23.36	1.0	24.0
			50	0	22.51	22.84	23.21	1.0	24.0
			50	28	23.87	24.08	24.30	0.0	25.0
			50	56	23.05	23.08	23.52	1.0	24.0
			100	0	22.82	22.97	23.35	1.0	24.0
		16QAM	1	0	22.02	21.93	22.10	2.0	23.0
			1	1	22.70	22.87	22.99	1.0	24.0
			1	53	22.99	23.12	23.42	1.0	24.0
			1	104	23.29	23.42	23.30	1.0	24.0
			1	105	22.47	22.37	22.61	2.0	23.0
			50	0	21.79	22.09	22.20	2.0	23.0
			50	28	22.83	23.13	23.33	1.0	24.0
			50	56	22.24	22.05	22.52	2.0	23.0
			100	0	22.05	22.20	22.35	2.0	23.0
		64QAM	1	0	21.68	21.38	21.94	2.5	22.5
			1	1	21.73	21.52	22.11	2.5	22.5
			1	53	22.04	21.77	22.27	2.5	22.5
			1	104	22.28	22.29	22.12	2.5	22.5
			1	105	22.31	22.42	21.84	2.5	22.5
			50	0	21.32	21.54	21.83	2.5	22.5
			50	28	21.59	21.73	21.93	2.5	22.5
			50	56	21.76	21.75	22.19	2.5	22.5
			100	0	21.51	21.70	22.10	2.5	22.5
		256QAM	1	0	19.31	19.77	20.00	4.5	20.5
			1	1	19.28	19.75	19.99	4.5	20.5
			1	53	19.60	20.13	20.31	4.5	20.5
			1	104	19.90	20.38	20.40	4.5	20.5
			1	105	20.04	20.39	20.39	4.5	20.5
			50	0	19.22	19.47	19.86	4.5	20.5
			50	28	19.47	19.70	19.87	4.5	20.5
			50	56	19.65	19.67	20.18	4.5	20.5
			100	0	19.45	19.65	20.03	4.5	20.5

20 MHz	CP-OFDM	QPSK	1	0	20.54	20.72	20.99	3.0	22.0
			1	1	22.00	21.90	22.20	1.5	23.5
			1	53	22.16	22.35	22.59	1.5	23.5
			1	104	22.46	22.56	22.58	1.5	23.5
			1	105	21.23	21.29	21.27	3.0	22.0
			53	0	20.78	21.00	21.38	3.0	22.0
			53	28	21.02	21.21	21.45	1.5	23.5
			53	53	21.20	21.22	21.69	3.0	22.0
			106	0	20.99	21.11	21.55	3.0	22.0
		16QAM	1	0	20.77	20.91	21.01	3.0	22.0
			1	1	21.86	21.64	21.76	2.0	23.0
			1	53	22.31	22.06	21.89	2.0	23.0
			1	104	22.53	22.08	21.92	2.0	23.0
			1	105	21.32	21.48	21.37	3.0	22.0
			53	0	20.72	21.09	21.42	3.0	22.0
			53	28	20.99	21.24	21.49	2.0	23.0
			53	53	21.18	21.26	21.73	3.0	22.0
			106	0	21.01	21.12	21.56	3.0	22.0
		64QAM	1	0	20.22	20.23	20.76	3.5	21.5
			1	1	20.14	20.22	20.74	3.5	21.5
			1	53	20.48	20.56	21.03	3.5	21.5
			1	104	20.73	20.87	21.31	3.5	21.5
			1	105	21.07	20.87	21.27	3.5	21.5
			53	0	20.33	20.56	20.89	3.5	21.5
			53	28	20.56	20.73	20.99	3.5	21.5
			53	53	20.75	20.71	21.25	3.5	21.5
			106	0	20.46	20.63	21.01	3.5	21.5
		256QAM	1	0	17.30	17.23	17.72	6.5	18.5
			1	1	17.40	17.30	17.73	6.5	18.5
			1	53	17.20	17.72	18.07	6.5	18.5
			1	104	17.10	17.90	18.20	6.5	18.5
			1	105	18.00	18.00	18.25	6.5	18.5
			53	0	17.30	17.37	17.78	6.5	18.5
			53	28	17.30	17.12	17.89	6.5	18.5
			53	53	18.00	17.62	18.13	6.5	18.5
			106	0	17.90	17.56	17.97	6.5	18.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					134100	136100	138100		
					670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.0	23.3	23.6	0.5	24.5
			1	1	23.5	23.9	24.1	0.0	25.0
			1	40	23.6	24.0	24.2	0.0	25.0
			1	77	24.0	24.3	24.4	0.0	25.0
			1	78	23.5	23.8	23.9	0.5	24.5
			36	0	23.0	23.5	23.8	0.5	24.5
			36	22	23.7	24.1	24.3	0.0	25.0
			36	43	23.4	23.6	24.0	0.5	24.5
			75	0	23.2	23.5	23.9	0.5	24.5
		QPSK	1	0	22.5	22.9	23.1	1.0	24.0
			1	1	23.5	23.9	24.1	0.0	25.0
			1	40	23.7	24.1	24.3	0.0	25.0
			1	77	24.1	24.3	24.4	0.0	25.0
			1	78	23.1	23.3	23.4	1.0	24.0
			36	0	22.5	23.0	23.3	1.0	24.0
			36	22	23.8	24.1	24.3	0.0	25.0
			36	43	22.9	23.1	23.5	1.0	24.0
			75	0	22.7	23.0	23.4	1.0	24.0
		16QAM	1	1	22.4	22.6	22.8	1.0	24.0
		64QAM	1	1	21.3	21.7	22.0	2.5	22.5
256QAM	1	1	19.1	19.5	19.7	4.5	20.5		
CP-OFDM	QPSK	1	1	22.2	22.3	22.6	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600	136100	138600		
					668 MHz	680.5 MHz	693 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.9	23.4	23.6	0.5	24.5
			1	1	23.4	23.8	24.1	0.0	25.0
			1	26	23.5	23.9	24.2	0.0	25.0
			1	50	23.8	24.0	24.3	0.0	25.0
			1	51	23.4	23.7	23.8	0.5	24.5
			25	0	22.7	23.3	23.6	0.5	24.5
			25	14	23.5	23.9	24.2	0.0	25.0
			25	27	23.1	23.4	23.8	0.5	24.5
			50	0	22.9	23.3	23.7	0.5	24.5
		QPSK	1	0	22.4	22.9	23.2	1.0	24.0
			1	1	23.4	23.8	24.1	0.0	25.0
			1	26	23.6	24.0	24.2	0.0	25.0
			1	50	23.7	24.1	24.3	0.0	25.0
			1	51	22.8	23.2	23.4	1.0	24.0
			25	0	22.3	22.8	23.2	1.0	24.0
			25	14	23.5	24.0	24.2	0.0	25.0
			25	27	22.5	23.0	23.3	1.0	24.0
			50	0	22.4	22.8	23.2	1.0	24.0
		16QAM	1	1	22.4	22.9	23.0	1.0	24.0
		64QAM	1	1	21.2	21.7	22.0	2.5	22.5
256QAM	1	1	19.0	19.5	19.8	4.5	20.5		
CP-OFDM	QPSK	1	1	22.0	22.3	22.6	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100	136100	139100		
					665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.0	23.5	23.5	0.5	24.5
			1	1	23.5	24.0	24.0	0.0	25.0
			1	13	23.5	24.1	24.4	0.0	25.0
			1	23	23.6	24.1	24.3	0.0	25.0
			1	24	23.1	23.6	23.8	0.5	24.5
			12	0	22.9	23.5	23.8	0.5	24.5
			12	7	23.5	24.1	24.4	0.0	25.0
			12	13	23.1	23.6	23.8	0.5	24.5
			25	0	23.0	23.6	23.8	0.5	24.5
		QPSK	1	0	22.5	23.0	23.3	1.0	24.0
			1	1	23.5	24.1	24.4	0.0	25.0
			1	13	23.6	24.1	24.4	0.0	25.0
			1	23	23.7	24.2	24.3	0.0	25.0
			1	24	22.6	23.1	23.4	1.0	24.0
			12	0	22.4	23.0	23.2	1.0	24.0
			12	7	23.6	24.1	24.4	0.0	25.0
			12	13	22.6	23.1	23.3	1.0	24.0
		25	0	22.6	23.1	23.4	1.0	24.0	
		16QAM	1	1	22.4	22.8	23.4	1.0	24.0
	64QAM	1	1	21.3	21.8	22.2	2.5	22.5	
256QAM	1	1	19.1	19.6	20.0	4.5	20.5		
CP-OFDM	QPSK	1	1	22.2	22.5	22.8	1.5	23.5	

NR Band n77 (3450 – 3550 MHz) (Anchor B12)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					633332				
					3499.98MHz				
100 MHz	DFT-s-OFDM	π/2 BPSK	1	0		22.57		0.5	24.0
			1	1		23.23		0.0	24.5
			1	137		24.21		0.0	24.5
			1	271		23.30		0.0	24.5
			1	272		22.75		0.5	24.0
			135	0		23.54		0.5	24.0
			135	69		24.20		0.0	24.5
			135	138		23.48		0.5	24.0
			270	0		23.51		0.5	24.0
		QPSK	1	0		22.63		1.0	23.5
			1	1		23.29		0.0	24.5
			1	137		24.36		0.0	24.5
			1	271		23.38		0.0	24.5
			1	272		22.79		1.0	23.5
			135	0		23.31		1.0	23.5
			135	69		24.21		0.0	24.5
			135	138		23.21		1.0	23.5
			270	0		23.27		1.0	23.5
		16QAM	1	0		21.44		2.0	22.5
			1	1		22.64		1.0	23.5
			1	137		23.40		1.0	23.5
			1	271		22.72		1.0	23.5
			1	272		21.54		2.0	22.5
			135	0		22.33		2.0	22.5
			135	69		23.49		1.0	23.5
			135	138		22.24		2.0	22.5
			270	0		22.27		2.0	22.5
		64QAM	1	0		20.87		2.5	22.0
			1	1		21.02		2.5	22.0
			1	137		21.83		2.5	22.0
			1	271		21.14		2.5	22.0
			1	272		21.06		2.5	22.0
			135	0		21.83		2.5	22.0
			135	69		21.98		2.5	22.0
			135	138		21.73		2.5	22.0
			270	0		21.77		2.5	22.0
		256QAM	1	0		19.08		4.5	20.0
			1	1		19.13		4.5	20.0
			1	137		19.99		4.5	20.0
			1	271		19.38		4.5	20.0
			1	272		19.22		4.5	20.0
			135	0		19.80		4.5	20.0
			135	69		19.94		4.5	20.0
			135	138		19.68		4.5	20.0
			270	0		19.72		4.5	20.0

100 MHz	CP-OFDM	QPSK	1	0		20.54		3.0	21.5	
			1	1		22.09		1.5	23.0	
			1	136		22.90		1.5	23.0	
			1	271		22.22		1.5	23.0	
			1	272		20.58		3.0	21.5	
			137	0		21.29		3.0	21.5	
			137	68		22.96		1.5	23.0	
			137	136		21.19		3.0	21.5	
			273	0		21.22		3.0	21.5	
			1	0		20.37		3.0	21.5	
		16QAM	1	1		21.50		2.0	22.5	
			1	136		22.15		2.0	22.5	
			1	271		21.49		2.0	22.5	
			1	272		20.42		3.0	21.5	
			137	0		21.30		3.0	21.5	
			137	68		22.46		2.0	22.5	
			137	136		21.17		3.0	21.5	
			273	0		21.20		3.0	21.5	
			64QAM	1	0		20.05		3.5	21.0
				1	1		20.15		3.5	21.0
		1		136		20.99		3.5	21.0	
		1		271		20.35		3.5	21.0	
		1		272		20.28		3.5	21.0	
		137		0		20.81		3.5	21.0	
		137		68		20.98		3.5	21.0	
		137		136		20.69		3.5	21.0	
		273		0		20.68		3.5	21.0	
		256QAM		1	0		16.89		6.5	18.0
			1	1		16.96		6.5	18.0	
			1	136		17.81		6.5	18.0	
			1	271		17.07		6.5	18.0	
			1	272		16.97		6.5	18.0	
			137	0		17.73		6.5	18.0	
			137	68		17.89		6.5	18.0	
			137	136		17.61		6.5	18.0	
			273	0		17.62		6.5	18.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					633000	633332	633666		
					3495 MHz	3499.98 MHz	3504.99 MHz		
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.93	23.00	22.98	0.5	24.0
			1	1	23.46	23.49	23.52	0.0	24.5
			1	123	24.23	24.16	24.17	0.0	24.5
			1	243	23.64	23.59	23.59	0.0	24.5
			1	244	23.22	23.12	23.16	0.5	24.0
			120	0	23.65	23.69	23.67	0.5	24.0
			120	63	24.27	24.26	24.29	0.0	24.5
			120	125	23.62	23.57	23.55	0.5	24.0
			243	0	23.61	23.60	23.62	0.5	24.0
		QPSK	1	0	22.90	22.92	22.93	1.0	23.5
			1	1	23.54	23.55	23.59	0.0	24.5
			1	123	24.29	24.22	24.23	0.0	24.5
			1	243	23.71	23.68	23.65	0.0	24.5
			1	244	23.15	23.09	23.06	1.0	23.5
			120	0	23.37	23.38	23.40	1.0	23.5
			120	63	24.28	24.25	24.25	0.0	24.5
			120	125	23.35	23.30	23.31	1.0	23.5
			243	0	23.36	23.32	23.35	1.0	23.5
	16QAM	1	1	23.10	23.11	23.19	1.0	23.5	
	64QAM	1	1	21.40	21.32	21.48	2.5	22.0	
256QAM	1	1	19.10	19.08	19.12	4.5	20.0		
CP-OFDM	QPSK	1	1	22.32	22.35	22.38	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					632668	633332	634000		
					3490.02 MHz	3499.98MHz	3510 MHz		
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.08	23.19	23.29	0.5	24.0
			1	1	23.53	23.63	23.77	0.0	24.5
			1	109	24.18	24.17	24.12	0.0	24.5
			1	215	23.77	23.74	23.65	0.0	24.5
			1	216	23.33	23.32	23.24	0.5	24.0
			108	0	23.66	23.70	23.76	0.5	24.0
			108	55	24.31	24.29	24.30	0.0	24.5
			108	109	23.69	23.65	23.57	0.5	24.0
			216	0	23.64	23.64	23.64	0.5	24.0
		QPSK	1	0	23.00	23.07	23.17	1.0	23.5
			1	1	23.62	23.66	23.81	0.0	24.5
			1	109	24.25	24.25	24.20	0.0	24.5
			1	215	23.85	23.79	23.70	0.0	24.5
			1	216	23.28	23.19	23.13	1.0	23.5
			108	0	23.38	23.43	23.48	1.0	23.5
			108	55	24.32	24.32	24.27	0.0	24.5
			108	109	23.42	23.37	23.30	1.0	23.5
			216	0	23.40	23.36	23.36	1.0	23.5
	16QAM	1	1	23.17	23.19	23.09	1.0	23.5	
	64QAM	1	1	21.44	21.42	21.72	2.5	22.0	
256QAM	1	1	19.18	19.31	19.15	4.5	20.0		
CP-OFDM	QPSK	1	1	22.39	22.53	22.69	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					632334	633332	634332		
					3485.01 MHz	3499.98MHz	3514.98 MHz		
70 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.97	23.13	23.30	0.5	24.0
			1	1	23.43	23.58	23.69	0.0	24.5
			1	109	24.08	24.03	23.98	0.0	24.5
			1	187	23.63	23.57	23.45	0.0	24.5
			1	188	23.25	23.16	23.07	0.5	24.0
			95	0	23.49	23.53	23.56	0.5	24.0
			95	47	23.64	23.64	23.58	0.0	24.5
			95	94	23.56	23.46	23.40	0.5	24.0
			189	0	23.56	23.52	23.50	0.5	24.0
		QPSK	1	0	22.86	22.93	23.07	1.0	23.5
			1	1	23.48	23.58	23.67	0.0	24.5
			1	109	24.11	24.05	23.98	0.0	24.5
			1	187	23.66	23.58	23.44	0.0	24.5
			1	188	23.07	22.98	22.84	1.0	23.5
			95	0	23.23	23.25	23.29	1.0	23.5
			95	47	23.33	23.32	23.28	0.0	24.5
			95	94	23.25	23.19	23.09	1.0	23.5
			189	0	23.28	23.24	23.20	1.0	23.5
		16QAM	1	1	22.93	22.93	23.06	1.0	23.5
		64QAM	1	1	21.42	21.47	21.59	2.5	22.0
256QAM	1	1	19.12	18.90	19.47	4.5	20.0		
CP-OFDM	QPSK	1	1	22.19	22.30	22.43	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					632000	633332	634666		
					3480 MHz	3499.98MHz	3519.99 MHz		
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.23	23.36	23.49	0.5	24.0
			1	1	23.68	23.82	23.93	0.0	24.5
			1	81	24.21	24.20	24.14	0.0	24.5
			1	160	24.03	23.90	23.73	0.0	24.5
			1	161	23.60	23.45	23.30	0.5	24.0
			81	0	23.60	23.70	23.68	0.5	24.0
			81	41	24.21	24.19	24.15	0.0	24.5
			81	81	23.68	23.59	23.51	0.5	24.0
			162	0	23.69	23.64	23.60	0.5	24.0
		QPSK	1	0	23.06	23.15	23.27	1.0	23.5
			1	1	23.78	23.89	23.99	0.0	24.5
			1	81	24.24	24.21	24.16	0.0	24.5
			1	160	24.07	23.98	23.83	0.0	24.5
			1	161	23.39	23.29	23.12	1.0	23.5
			81	0	23.26	23.32	23.35	1.0	23.5
			81	41	24.17	24.19	24.14	0.0	24.5
			81	81	23.30	23.22	23.16	1.0	23.5
			162	0	23.28	23.29	23.28	1.0	23.5
		16QAM	1	1	23.10	23.22	23.26	1.0	23.5
		64QAM	1	1	21.58	21.71	21.80	2.5	22.0
256QAM	1	1	19.53	19.62	19.43	4.5	20.0		
CP-OFDM	QPSK	1	1	22.63	22.76	22.88	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					631668	633332	635000		
					3475.02 MHz	3499.98MHz	3525 MHz		
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.33	23.54	23.63	0.5	24.0
			1	1	23.81	23.95	24.04	0.0	24.5
			1	67	24.20	24.18	24.15	0.0	24.5
			1	131	24.13	23.95	23.85	0.0	24.5
			1	132	23.69	23.52	23.41	0.5	24.0
			64	0	23.65	23.76	23.79	0.5	24.0
			64	35	24.23	24.26	24.19	0.0	24.5
			64	69	23.74	23.67	23.62	0.5	24.0
			128	0	23.70	23.72	23.66	0.5	24.0
		QPSK	1	0	23.16	23.30	23.37	1.0	23.5
			1	1	23.84	24.03	24.11	0.0	24.5
			1	67	24.26	24.24	24.22	0.0	24.5
			1	131	24.19	24.01	23.89	0.0	24.5
			1	132	23.44	23.32	23.12	1.0	23.5
			64	0	23.30	23.45	23.40	1.0	23.5
			64	35	24.23	24.27	24.18	0.0	24.5
			64	69	23.42	23.33	23.23	1.0	23.5
			128	0	23.38	23.40	23.29	1.0	23.5
	16QAM	1	1	23.48	23.44	23.46	1.0	23.5	
	64QAM	1	1	21.56	21.87	21.91	2.5	22.0	
256QAM	1	1	19.53	19.69	19.61	4.5	20.0		
CP-OFDM	QPSK	1	1	22.66	22.84	22.77	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					631334	633332	635332		
					3470.01 MHz	3499.98MHz	3529.98 MHz		
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.07	23.41	23.40	0.5	24.0
			1	1	23.54	23.83	23.84	0.0	24.5
			1	53	24.17	24.27	24.17	0.0	24.5
			1	104	23.92	23.84	23.64	0.0	24.5
			1	105	23.46	23.40	23.19	0.5	24.0
			50	0	23.53	23.74	23.64	0.5	24.0
			50	28	24.18	24.27	24.11	0.0	24.5
			50	56	23.65	23.64	23.51	0.5	24.0
			100	0	23.58	23.70	23.59	0.5	24.0
		QPSK	1	0	22.83	23.04	23.00	1.0	23.5
			1	1	23.63	23.84	23.79	0.0	24.5
			1	53	24.24	24.29	24.10	0.0	24.5
			1	104	23.94	23.85	23.64	0.0	24.5
			1	105	23.13	23.02	22.83	1.0	23.5
			50	0	23.21	23.33	23.23	1.0	23.5
			50	28	24.16	24.23	24.09	0.0	24.5
			50	56	23.28	23.23	23.11	1.0	23.5
			100	0	23.26	23.33	23.19	1.0	23.5
	16QAM	1	1	22.74	22.99	22.90	1.0	23.5	
	64QAM	1	1	21.20	21.57	21.42	2.5	22.0	
256QAM	1	1	19.06	19.35	19.49	4.5	20.0		
CP-OFDM	QPSK	1	1	22.21	22.43	22.35	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					631000	633332	635668		
					3465 MHz	3499.98MHz	3535.02 MHz		
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.39	23.60	23.48	0.5	24.0
			1	1	23.83	24.04	23.89	0.0	24.5
			1	39	24.16	24.28	24.12	0.0	24.5
			1	76	24.12	24.04	23.76	0.0	24.5
			1	77	23.69	23.63	23.32	0.5	24.0
			36	0	23.60	23.81	23.63	0.5	24.0
			36	21	24.15	24.27	24.08	0.0	24.5
			36	42	23.70	23.70	23.51	0.5	24.0
			75	0	23.67	23.78	23.56	0.5	24.0
		QPSK	1	0	23.09	23.27	23.16	1.0	23.5
			1	1	23.83	24.07	23.94	0.0	24.5
			1	39	24.16	24.32	24.17	0.0	24.5
			1	76	24.13	24.07	23.81	0.0	24.5
			1	77	23.40	23.29	23.04	1.0	23.5
			36	0	23.21	23.41	23.23	1.0	23.5
			36	21	24.12	24.23	24.05	0.0	24.5
			36	42	23.36	23.36	23.13	1.0	23.5
			75	0	23.29	23.41	23.20	1.0	23.5
		16QAM	1	1	22.95	23.20	23.07	1.0	23.5
		64QAM	1	1	21.55	21.78	21.68	2.5	22.0
256QAM	1	1	19.35	19.56	19.38	4.5	20.0		
CP-OFDM	QPSK	1	1	22.44	22.68	22.58	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630834	633332	635832		
					3462.51 MHz	3499.98MHz	3537.48 MHz		
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.37	23.67	23.54	0.5	24.0
			1	1	23.87	24.11	23.99	0.0	24.5
			1	32	24.04	24.25	24.07	0.0	24.5
			1	63	24.02	24.03	23.73	0.0	24.5
			1	64	23.60	23.58	23.32	0.5	24.0
			32	0	23.59	23.81	23.65	0.5	24.0
			32	17	24.15	24.31	24.07	0.0	24.5
			32	33	23.72	23.79	23.53	0.5	24.0
			65	0	23.65	23.77	23.59	0.5	24.0
		QPSK	1	0	23.12	23.32	23.19	1.0	23.5
			1	1	23.90	24.14	24.00	0.0	24.5
			1	32	24.20	24.34	24.08	0.0	24.5
			1	63	24.08	24.10	23.83	0.0	24.5
			1	64	23.31	23.28	22.98	1.0	23.5
			32	0	23.24	23.44	23.25	1.0	23.5
			32	17	24.11	24.27	24.07	0.0	24.5
			32	33	23.33	23.41	23.17	1.0	23.5
			65	0	23.29	23.41	23.21	1.0	23.5
		16QAM	1	1	23.01	23.26	23.08	1.0	23.5
		64QAM	1	1	21.63	21.85	21.71	2.5	22.0
256QAM	1	1	19.38	19.57	19.46	4.5	20.0		
CP-OFDM	QPSK	1	1	22.50	22.73	22.53	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630668	633332	636000		
					3460.02 MHz	3499.98MHz	3540 MHz		
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.51	23.83	23.63	0.5	24.0
			1	1	23.97	24.24	24.07	0.0	24.5
			1	26	24.07	24.23	24.02	0.0	24.5
			1	49	24.12	24.20	23.90	0.0	24.5
			1	50	23.69	23.76	23.48	0.5	24.0
			25	0	23.66	23.87	23.68	0.5	24.0
			25	13	24.11	24.27	24.07	0.0	24.5
			25	26	23.65	23.79	23.56	0.5	24.0
			50	0	23.66	23.80	23.64	0.5	24.0
		QPSK	1	0	23.20	23.46	23.31	1.0	23.5
			1	1	24.03	24.22	24.12	0.0	24.5
			1	26	24.12	24.26	24.05	0.0	24.5
			1	49	24.18	24.22	23.93	0.0	24.5
			1	50	23.35	23.41	23.13	1.0	23.5
			25	0	23.31	23.49	23.34	1.0	23.5
			25	13	24.09	24.27	24.04	0.0	24.5
			25	26	23.36	23.46	23.20	1.0	23.5
		50	0	23.36	23.49	23.28	1.0	23.5	
		16QAM	1	1	23.19	23.44	23.28	1.0	23.5
64QAM	1	1	21.72	21.92	21.87	2.5	22.0		
256QAM	1	1	19.49	19.70	19.59	4.5	20.0		
CP-OFDM	QPSK	1	1	22.61	22.87	22.68	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630500	633332	636166		
					3457.5 MHz	3499.98MHz	3542.49 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.24	23.54	23.37	0.5	24.0
			1	1	23.67	24.02	23.79	0.0	24.5
			1	26	23.79	24.06	23.75	0.0	24.5
			1	49	23.82	23.99	23.67	0.0	24.5
			1	50	23.35	23.48	23.21	0.5	24.0
			25	0	23.35	23.58	23.39	0.5	24.0
			25	13	23.32	23.56	23.34	0.0	24.5
			25	26	23.37	23.56	23.25	0.5	24.0
			50	0	23.35	23.59	23.34	0.5	24.0
		QPSK	1	0	22.97	23.24	23.07	1.0	23.5
			1	1	23.74	24.00	23.83	0.0	24.5
			1	26	23.91	24.08	23.86	0.0	24.5
			1	49	23.85	23.97	23.67	0.0	24.5
			1	50	23.08	23.19	22.92	1.0	23.5
			25	0	23.04	23.28	23.09	1.0	23.5
			25	13	23.01	23.25	23.02	0.0	24.5
			25	26	23.03	23.20	22.96	1.0	23.5
		50	0	23.02	23.22	23.00	1.0	23.5	
		16QAM	1	1	23.00	23.46	23.17	1.0	23.5
64QAM	1	1	21.55	21.62	21.60	2.5	22.0		
256QAM	1	1	19.38	19.58	19.50	4.5	20.0		
CP-OFDM	QPSK	1	1	22.42	22.62	22.57	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630334	633332	636332		
					3455.01 MHz	3499.98MHz	3544.98 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.32	23.60	23.32	0.5	24.0
			1	1	23.75	24.02	23.73	0.0	24.5
			1	26	23.84	24.07	23.76	0.0	24.5
			1	49	23.85	24.00	23.76	0.0	24.5
			1	50	23.42	23.59	23.29	0.5	24.0
			25	0	23.39	23.64	23.30	0.5	24.0
			25	13	23.89	24.07	23.74	0.0	24.5
			25	26	23.42	23.62	23.32	0.5	24.0
			50	0	23.39	23.63	23.30	0.5	24.0
		QPSK	1	0	23.02	23.29	22.97	1.0	23.5
			1	1	23.78	24.03	23.74	0.0	24.5
			1	26	23.79	24.07	23.74	0.0	24.5
			1	49	23.85	24.06	23.72	0.0	24.5
			1	50	23.10	23.27	22.96	1.0	23.5
			25	0	23.04	23.28	22.98	1.0	23.5
			25	13	23.84	24.07	23.74	0.0	24.5
			25	26	23.11	23.31	22.95	1.0	23.5
		50	0	23.10	23.34	23.00	1.0	23.5	
		16QAM	1	1	23.08	23.28	22.98	1.0	23.5
		64QAM	1	1	21.52	21.91	21.60	2.5	22.0
		256QAM	1	1	19.46	19.76	19.49	4.5	20.0
CP-OFDM	QPSK	1	1	22.48	22.71	22.43	1.5	23.0	

NR Band n77 (3700 – 3980 MHz) (Anchor B12)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					650000	656000	662000		
					3750 MHz	3840 MHz	3930 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	0	22.71	22.49	22.95	0.5	24.0
			1	1	23.27	23.07	23.58	0.0	24.5
			1	137	23.94	24.12	24.28	0.0	24.5
			1	271	23.16	23.70	23.84	0.0	24.5
			1	272	22.62	23.19	23.35	0.5	24.0
			135	0	23.39	23.27	23.75	0.5	24.0
			135	69	23.95	24.10	24.32	0.0	24.5
			135	138	23.22	23.61	23.72	0.5	24.0
			270	0	23.30	23.48	23.71	0.5	24.0
		QPSK	1	0	22.26	22.47	22.98	1.0	23.5
			1	1	23.37	23.12	23.67	0.0	24.5
			1	137	24.00	24.19	24.37	0.0	24.5
			1	271	23.24	23.80	23.94	0.0	24.5
			1	272	22.61	23.16	23.31	1.0	23.5
			135	0	22.89	23.03	23.50	1.0	23.5
			135	69	23.94	24.08	24.30	0.0	24.5
			135	138	22.71	23.36	23.48	1.0	23.5
			270	0	22.82	23.18	23.46	1.0	23.5
		16QAM	1	0	21.65	21.22	21.95	2.0	22.5
			1	1	22.33	22.43	23.16	1.0	23.5
			1	137	23.03	23.23	23.40	1.0	23.5
			1	271	22.68	23.03	23.50	1.0	23.5
			1	272	21.54	22.07	22.41	2.0	22.5
			135	0	22.16	22.06	22.49	2.0	22.5
			135	69	22.98	23.35	23.40	1.0	23.5
			135	138	21.94	22.36	22.47	2.0	22.5
			270	0	22.04	22.19	22.48	2.0	22.5
		64QAM	1	0	21.03	21.03	21.50	2.5	22.0
			1	1	21.17	21.18	21.67	2.5	22.0
			1	137	21.57	21.92	21.99	2.5	22.0
			1	271	21.10	21.81	21.89	2.5	22.0
			1	272	20.96	21.73	21.70	2.5	22.0
			135	0	21.61	21.51	21.97	2.5	22.0
			135	69	21.70	21.82	21.99	2.5	22.0
			135	138	21.45	21.84	21.97	2.5	22.0
			270	0	21.54	21.67	21.96	2.5	22.0
		256QAM	1	0	19.14	18.69	19.35	4.5	20.0
			1	1	19.30	18.84	19.40	4.5	20.0
			1	137	19.74	19.63	19.97	4.5	20.0
			1	271	19.19	19.46	19.78	4.5	20.0
			1	272	19.09	19.44	19.74	4.5	20.0
			135	0	19.58	19.44	19.92	4.5	20.0
			135	69	19.68	19.76	19.93	4.5	20.0
			135	138	19.42	19.78	19.90	4.5	20.0
			270	0	19.51	19.65	19.90	4.5	20.0

100 MHz	CP-OFDM	QPSK	1	0	20.58	20.28	21.00	3.0	21.5
			1	1	22.28	21.87	22.60	1.5	23.0
			1	136	22.66	22.69	22.97	1.5	23.0
			1	271	22.01	22.56	22.81	1.5	23.0
			1	272	20.45	20.95	21.22	3.0	21.5
			137	0	21.13	20.95	21.45	3.0	21.5
			137	68	22.70	22.78	22.94	1.5	23.0
			137	136	20.97	21.28	21.45	3.0	21.5
			273	0	20.97	21.14	21.40	3.0	21.5
		16QAM	1	0	20.58	20.27	20.75	3.0	21.5
			1	1	21.75	21.33	21.82	2.0	22.5
			1	136	22.17	22.15	22.26	2.0	22.5
			1	271	21.68	22.08	21.99	2.0	22.5
			1	272	20.44	20.92	21.05	3.0	21.5
			137	0	21.11	20.98	21.42	3.0	21.5
			137	68	22.16	22.31	22.44	2.0	22.5
			137	136	20.93	21.31	21.45	3.0	21.5
			273	0	20.97	21.11	21.40	3.0	21.5
		64QAM	1	0	19.96	19.79	20.43	3.5	21.0
			1	1	20.14	19.91	20.42	3.5	21.0
			1	136	20.66	20.76	20.94	3.5	21.0
			1	271	20.00	20.56	20.87	3.5	21.0
			1	272	19.89	20.40	20.54	3.5	21.0
			137	0	20.59	20.49	20.93	3.5	21.0
			137	68	20.65	20.81	20.95	3.5	21.0
			137	136	20.40	20.76	20.89	3.5	21.0
			273	0	20.44	20.61	20.92	3.5	21.0
		256QAM	1	0	17.00	16.78	17.13	6.5	18.0
			1	1	17.14	16.93	17.25	6.5	18.0
			1	136	17.70	17.80	17.84	6.5	18.0
			1	271	17.06	17.52	17.60	6.5	18.0
			1	272	16.97	17.47	17.47	6.5	18.0
			137	0	17.56	17.42	17.85	6.5	18.0
			137	68	17.65	17.78	17.99	6.5	18.0
			137	136	17.36	17.74	17.84	6.5	18.0
			273	0	17.43	17.56	17.83	6.5	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					649668	656000	662332		
					3745.02 MHz	3840 MHz	3934.98 MHz		
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.0	22.8	23.3	0.5	24.0
			1	1	23.5	23.3	23.8	0.0	24.5
			1	123	23.9	24.0	24.2	0.0	24.5
			1	243	23.5	23.9	24.0	0.0	24.5
			1	244	23.0	23.5	23.6	0.5	24.0
			120	0	23.5	23.4	23.8	0.5	24.0
			120	63	24.0	24.1	24.4	0.0	24.5
			120	125	23.3	23.7	23.8	0.5	24.0
		243	0	23.4	23.5	23.8	0.5	24.0	
		QPSK	1	0	22.6	22.7	23.3	1.0	23.5
			1	1	23.6	23.3	23.9	0.0	24.5
			1	123	24.0	24.1	24.3	0.0	24.5
			1	243	23.5	24.0	24.1	0.0	24.5
			1	244	22.9	23.4	23.5	1.0	23.5
			120	0	23.0	23.1	23.4	1.0	23.5
			120	63	24.0	24.2	24.3	0.0	24.5
			120	125	22.8	23.5	23.4	1.0	23.5
		243	0	22.9	23.3	23.5	1.0	23.5	
		16QAM	1	1	22.8	22.8	23.3	1.0	23.5
		64QAM	1	1	21.3	21.0	21.6	2.5	22.0
256QAM	1	1	19.5	19.1	19.7	4.5	20.0		
CP-OFDM	QPSK	1	1	22.3	22.2	22.7	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					649334	656000	662666		
					3740.01 MHz	3840 MHz	3939.99 MHz		
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.2	23.0	23.5	0.5	24.0
			1	1	23.6	23.4	23.9	0.0	24.5
			1	109	23.9	23.9	24.2	0.0	24.5
			1	215	23.5	23.8	24.2	0.0	24.5
			1	216	23.1	23.5	23.8	0.5	24.0
			108	0	23.5	23.4	23.8	0.5	24.0
			108	55	24.1	24.2	24.4	0.0	24.5
			108	109	23.4	23.7	23.9	0.5	24.0
		216	0	23.5	23.5	23.9	0.5	24.0	
		QPSK	1	0	22.8	22.8	23.4	1.0	23.5
			1	1	23.7	23.5	24.0	0.0	24.5
			1	109	24.0	24.1	24.3	0.0	24.5
			1	215	23.6	24.0	24.2	0.0	24.5
			1	216	22.7	23.5	23.5	1.0	23.5
			108	0	23.0	23.2	23.5	1.0	23.5
			108	55	24.0	24.1	24.4	0.0	24.5
			108	109	22.9	23.4	23.4	1.0	23.5
		216	0	23.0	23.3	23.5	1.0	23.5	
		16QAM	1	1	22.8	22.8	23.4	1.0	23.5
		64QAM	1	1	21.3	21.0	21.7	2.5	22.0
256QAM	1	1	19.4	19.1	19.7	4.5	20.0		
CP-OFDM	QPSK	1	1	22.5	22.1	22.7	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					649000	656000	663000		
					3735.02 MHz	3840 MHz	3944.98 MHz		
70 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.1	22.9	23.4	0.5	24.0
			1	1	23.5	23.3	23.8	0.0	24.5
			1	109	23.9	24.0	24.1	0.0	24.5
			1	187	23.3	23.8	23.9	0.0	24.5
			1	188	23.0	23.4	23.6	0.5	24.0
			95	0	23.4	23.3	23.6	0.5	24.0
			95	47	23.5	23.5	23.7	0.0	24.5
			95	94	23.3	23.5	23.7	0.5	24.0
			189	0	23.4	23.4	23.7	0.5	24.0
		QPSK	1	0	22.6	22.7	23.2	1.0	23.5
			1	1	23.5	23.3	23.8	0.0	24.5
			1	109	23.9	24.0	24.2	0.0	24.5
			1	187	23.4	23.8	24.0	0.0	24.5
			1	188	22.5	23.2	23.4	1.0	23.5
			95	0	22.9	23.0	23.3	1.0	23.5
			95	47	22.9	23.2	23.4	0.0	24.5
			95	94	22.8	23.3	23.4	1.0	23.5
		189	0	22.9	23.2	23.4	1.0	23.5	
		16QAM	1	1	22.5	22.7	22.9	1.0	23.5
64QAM	1	1	21.0	20.9	21.3	2.5	22.0		
256QAM	1	1	19.2	19.0	19.4	4.5	20.0		
CP-OFDM	QPSK	1	1	22.3	22.1	22.5	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					648668	656000	663332		
					3730.02 MHz	3840 MHz	3949.98 MHz		
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.4	23.2	23.8	0.5	24.0
			1	1	23.9	23.7	24.2	0.0	24.5
			1	81	24.1	24.2	24.4	0.0	24.5
			1	160	23.8	24.3	24.4	0.0	24.5
			1	161	23.4	23.8	24.0	0.5	24.0
			81	0	23.7	23.6	24.0	0.5	24.0
			81	41	24.2	24.2	24.4	0.0	24.5
			81	81	23.6	23.8	23.9	0.5	24.0
			162	0	23.6	23.7	24.0	0.5	24.0
		QPSK	1	0	23.0	23.0	23.4	1.0	23.5
			1	1	23.9	23.7	24.2	0.0	24.5
			1	81	24.1	24.2	24.5	0.0	24.5
			1	160	23.9	24.3	24.5	0.0	24.5
			1	161	23.2	23.4	23.5	1.0	23.5
			81	0	23.1	23.2	23.4	1.0	23.5
			81	41	24.1	24.2	24.5	0.0	24.5
			81	81	23.0	23.4	23.4	1.0	23.5
		162	0	23.1	23.3	23.4	1.0	23.5	
		16QAM	1	1	23.0	23.1	23.5	1.0	23.5
64QAM	1	1	21.5	21.3	21.8	2.5	22.0		
256QAM	1	1	19.6	19.5	19.9	4.5	20.0		
CP-OFDM	QPSK	1	1	22.7	22.3	22.9	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					648334	656000	663666		
					3725.01 MHz	3840 MHz	3954.99 MHz		
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.4	23.4	23.7	0.5	24.0
			1	1	23.9	23.8	24.1	0.0	24.5
			1	67	24.1	24.2	24.4	0.0	24.5
			1	131	24.0	24.3	24.3	0.0	24.5
			1	132	23.5	23.8	24.0	0.5	24.0
			64	0	23.7	23.6	23.9	0.5	24.0
			64	35	24.2	24.3	24.4	0.0	24.5
			64	69	23.6	23.8	24.0	0.5	24.0
			128	0	23.6	23.7	24.0	0.5	24.0
		QPSK	1	0	23.0	23.1	23.4	1.0	23.5
			1	1	24.0	23.9	24.2	0.0	24.5
			1	67	24.1	24.2	24.4	0.0	24.5
			1	131	24.0	24.3	24.3	0.0	24.5
			1	132	23.1	23.5	23.4	1.0	23.5
			64	0	23.1	23.3	23.4	1.0	23.5
			64	35	24.2	24.3	24.4	0.0	24.5
			64	69	23.1	23.5	23.5	1.0	23.5
		128	0	23.1	23.4	23.4	1.0	23.5	
		16QAM	1	1	23.1	23.2	23.4	1.0	23.5
64QAM	1	1	21.5	21.5	21.7	2.5	22.0		
256QAM	1	1	19.6	19.6	19.8	4.5	20.0		
CP-OFDM	QPSK	1	1	22.7	22.5	22.9	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					648000	656000	664000		
					3720.02 MHz	3840 MHz	3960 MHz		
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.2	23.2	23.4	0.5	24.0
			1	1	23.7	23.7	23.8	0.0	24.5
			1	53	24.1	24.2	24.3	0.0	24.5
			1	104	23.8	24.0	24.0	0.0	24.5
			1	105	23.3	23.6	23.7	0.5	24.0
			50	0	23.6	23.6	23.7	0.5	24.0
			50	28	24.1	24.3	24.4	0.0	24.5
			50	56	23.5	23.7	23.9	0.5	24.0
			100	0	23.6	23.7	23.9	0.5	24.0
		QPSK	1	0	22.8	22.9	23.1	1.0	23.5
			1	1	23.7	23.7	23.9	0.0	24.5
			1	53	24.2	24.4	24.4	0.0	24.5
			1	104	23.8	24.1	24.1	0.0	24.5
			1	105	22.9	23.3	23.2	1.0	23.5
			50	0	23.1	23.2	23.4	1.0	23.5
			50	28	24.1	24.2	24.3	0.0	24.5
			50	56	23.1	23.4	23.4	1.0	23.5
		100	0	23.1	23.3	23.4	1.0	23.5	
		16QAM	1	1	22.9	22.9	23.1	1.0	23.5
64QAM	1	1	21.2	21.4	21.5	2.5	22.0		
256QAM	1	1	19.3	19.2	19.4	4.5	20.0		
CP-OFDM	QPSK	1	1	22.5	22.3	22.6	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647668	656000	664332		
					3715.02 MHz	3840 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.4	23.4	23.7	0.5	24.0
			1	1	23.9	23.9	24.1	0.0	24.5
			1	39	24.2	24.2	24.4	0.0	24.5
			1	76	24.0	24.1	24.2	0.0	24.5
			1	77	23.6	23.7	23.9	0.5	24.0
			36	0	23.7	23.6	23.8	0.5	24.0
			36	21	24.2	24.2	24.4	0.0	24.5
			36	42	23.7	23.8	24.0	0.5	24.0
			75	0	23.7	23.7	24.0	0.5	24.0
		QPSK	1	0	23.0	23.1	23.3	1.0	23.5
			1	1	24.0	23.9	24.1	0.0	24.5
			1	39	24.2	24.2	24.4	0.0	24.5
			1	76	24.0	24.2	24.2	0.0	24.5
			1	77	23.1	23.4	23.4	1.0	23.5
			36	0	23.2	23.3	23.5	1.0	23.5
			36	21	24.2	24.2	24.4	0.0	24.5
			36	42	23.2	23.4	23.5	1.0	23.5
		75	0	23.2	23.4	23.5	1.0	23.5	
		16QAM	1	1	23.1	23.2	23.4	1.0	23.5
		64QAM	1	1	21.5	21.8	21.6	2.5	22.0
256QAM	1	1	19.5	19.4	19.7	4.5	20.0		
CP-OFDM	QPSK	1	1	22.8	22.6	22.8	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647500	656000	664500		
					3712.5 MHz	3840 MHz	3967.5 MHz		
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.5	23.5	23.6	0.5	24.0
			1	1	24.0	24.0	24.1	0.0	24.5
			1	32	24.1	24.3	24.4	0.0	24.5
			1	63	24.0	24.2	24.1	0.0	24.5
			1	64	23.5	23.7	23.9	0.5	24.0
			32	0	23.7	23.7	23.9	0.5	24.0
			32	17	24.2	24.3	24.4	0.0	24.5
			32	33	23.7	23.8	23.9	0.5	24.0
			65	0	23.7	23.8	23.9	0.5	24.0
		QPSK	1	0	23.1	23.2	23.4	1.0	23.5
			1	1	24.0	24.0	24.2	0.0	24.5
			1	32	24.2	24.4	24.4	0.0	24.5
			1	63	24.0	24.2	24.2	0.0	24.5
			1	64	23.1	23.4	23.4	1.0	23.5
			32	0	23.2	23.4	23.4	1.0	23.5
			32	17	24.2	24.2	24.4	0.0	24.5
			32	33	23.2	23.5	23.4	1.0	23.5
		65	0	23.2	23.4	23.4	1.0	23.5	
		16QAM	1	1	23.1	23.3	23.5	1.0	23.5
		64QAM	1	1	21.9	22.0	22.0	2.5	22.0
256QAM	1	1	19.7	19.6	19.7	4.5	20.0		
CP-OFDM	QPSK	1	1	22.8	22.7	22.8	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647334	656000	664666		
					3710.01 MHz	3840 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.7	23.7	23.8	0.5	24.0
			1	1	24.1	24.1	24.3	0.0	24.5
			1	26	24.1	24.2	24.3	0.0	24.5
			1	49	24.1	24.3	24.3	0.0	24.5
			1	50	23.7	23.8	23.9	0.5	24.0
			25	0	23.8	23.8	23.9	0.5	24.0
			25	13	24.2	24.3	24.4	0.0	24.5
			25	26	23.8	23.8	24.0	0.5	24.0
			50	0	23.7	23.8	23.9	0.5	24.0
		QPSK	1	0	23.3	23.4	23.4	1.0	23.5
			1	1	24.2	24.2	24.3	0.0	24.5
			1	26	24.2	24.3	24.4	0.0	24.5
			1	49	24.2	24.3	24.4	0.0	24.5
			1	50	23.2	23.4	23.5	1.0	23.5
			25	0	23.3	23.5	23.5	1.0	23.5
			25	13	24.2	24.3	24.4	0.0	24.5
			25	26	23.2	23.4	23.5	1.0	23.5
		50	0	23.3	23.4	23.5	1.0	23.5	
		16QAM	1	1	23.3	23.3	23.4	1.0	23.5
64QAM	1	1	22.0	21.9	21.9	2.5	22.0		
256QAM	1	1	19.9	19.9	20.0	4.5	20.0		
CP-OFDM	QPSK	1	1	23.0	22.9	22.9	1.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647168	656000	664832		
					3707.52 MHz	3840 MHz	3972.48 MHz		
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.5	23.4	23.8	0.5	24.0
			1	1	23.9	23.7	24.1	0.0	24.5
			1	26	23.9	23.7	24.1	0.0	24.5
			1	49	23.8	23.8	24.1	0.0	24.5
			1	50	23.3	23.5	23.8	0.5	24.0
			25	0	23.5	23.5	23.9	0.5	24.0
			25	13	23.4	23.5	23.8	0.0	24.5
			25	26	23.4	23.5	23.9	0.5	24.0
			50	0	23.4	23.5	23.8	0.5	24.0
		QPSK	1	0	23.1	22.9	23.3	1.0	23.5
			1	1	23.9	23.7	24.1	0.0	24.5
			1	26	24.0	23.8	24.2	0.0	24.5
			1	49	23.8	23.8	24.1	0.0	24.5
			1	50	23.1	23.0	23.4	1.0	23.5
			25	0	23.1	23.0	23.4	1.0	23.5
			25	13	23.1	23.0	23.4	0.0	24.5
			25	26	23.1	23.0	23.4	1.0	23.5
		50	0	23.1	23.0	23.4	1.0	23.5	
		16QAM	1	1	22.9	23.0	23.0	1.0	23.5
64QAM	1	1	21.4	21.4	21.9	2.5	22.0		
256QAM	1	1	19.7	19.4	19.7	4.5	20.0		
CP-OFDM	QPSK	1	1	22.6	22.2	22.7	1.5	23.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647334	656000	664666		
					3710.01 MHz	3840 MHz	3969.99 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.4	23.6	23.9	0.5	24.0
			1	1	23.8	24.0	24.2	0.0	24.5
			1	26	23.8	24.1	24.2	0.0	24.5
			1	49	23.8	24.0	24.2	0.0	24.5
			1	50	23.4	23.6	23.9	0.5	24.0
			25	0	23.5	23.6	24.0	0.5	24.0
			25	13	23.8	24.0	24.2	0.0	24.5
			25	26	23.4	23.6	24.0	0.5	24.0
			50	0	23.4	23.6	24.0	0.5	24.0
		QPSK	1	0	23.1	23.3	23.4	1.0	23.5
			1	1	23.8	24.0	24.2	0.0	24.5
			1	26	23.9	24.0	24.3	0.0	24.5
			1	49	23.8	24.0	24.2	0.0	24.5
			1	50	23.1	23.2	23.5	1.0	23.5
			25	0	23.1	23.3	23.4	1.0	23.5
			25	13	23.8	24.1	24.2	0.0	24.5
			25	26	23.1	23.3	23.4	1.0	23.5
			50	0	23.1	23.3	23.4	1.0	23.5
	16QAM	1	1	22.8	23.1	23.2	1.0	23.5	
	64QAM	1	1	21.5	21.6	21.9	2.5	22.0	
	256QAM	1	1	19.5	19.6	19.8	4.5	20.0	
CP-OFDM	QPSK	1	1	22.6	22.8	22.8	1.5	23.0	

WCDMA

FCC Part 22/24/27				
Band	Frequency Range [MHz]	Modulation	Conducted	
			Avg [dBm]	Avg [mW]
Band 5	826.4~846.6	Rel. 99	23.95	248.58
		HSDPA	22.45	175.94
		HSUPA	22.89	194.54
Band 4	1712.4~1752.6	Rel. 99	23.63	230.83
		HSDPA	22.28	169.06
		HSUPA	22.56	180.30
Band 2	1852.4~1907.6	Rel. 99	23.41	219.05
		HSDPA	22.15	164.06
		HSUPA	22.35	171.79

LTE Band 5

FCC Part 22					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 5	829~844	10	QPSK	24.30	269.11
			16QAM	23.53	225.51
			64QAM	22.57	180.79
	826.5~846.5	5	QPSK	24.41	275.83
			16QAM	23.74	236.70
			64QAM	22.56	180.48
	825.5~847.5	3	QPSK	24.32	270.45
			16QAM	23.43	220.25
			64QAM	22.56	180.25
	824.7~848.3	1.4	QPSK	24.39	274.83
			16QAM	23.58	228.14
			64QAM	22.65	184.06

LTE Band 7

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 7	2510~2560	20	QPSK	23.03	200.93
			16QAM	22.61	182.23
			64QAM	21.49	140.81
	2507.5~2562.5	15	QPSK	22.97	198.10
			16QAM	22.36	172.25
			64QAM	21.47	140.18
	2505~2565	10	QPSK	23.01	200.05
			16QAM	22.43	175.14
			64QAM	21.36	136.79
	2502.5~2567.5	5	QPSK	23.11	204.72
			16QAM	22.44	175.20
			64QAM	21.36	136.69

LTE Band 12

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 12	704~711	10	QPSK	24.28	268.05
			16QAM	23.62	230.05
			64QAM	22.61	182.33
	701.5~713.5	5	QPSK	24.41	276.23
			16QAM	23.85	242.62
			64QAM	22.56	180.33
	700.5~714.5	3	QPSK	24.28	268.13
			16QAM	23.60	228.99
			64QAM	22.63	183.37
	699.7~715.3	1.4	QPSK	24.24	265.69
			16QAM	23.59	228.76
			64QAM	22.56	180.24

LTE Band 13

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 13	782	10	QPSK	23.72	235.75
			16QAM	23.09	203.50
			64QAM	21.86	153.61
	779.5~784.5	5	QPSK	23.87	243.83
			16QAM	23.30	213.76
			64QAM	22.01	158.71

LTE Band 14

FCC Part 90					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 14	793	10	QPSK	24.11	257.49
			16QAM	23.47	222.53
			64QAM	22.27	168.71
	790.5~795.5	5	QPSK	24.25	266.15
			16QAM	23.72	235.76
			64QAM	22.40	173.98

LTE Band 25

FCC Part 24					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 25	1860~1905	20	QPSK	23.23	210.50
			16QAM	22.73	187.61
			64QAM	21.68	147.18
	1857.5~1907.5	15	QPSK	23.28	213.00
			16QAM	22.60	181.81
			64QAM	21.80	151.21
	1855~1910	10	QPSK	23.25	211.38
			16QAM	22.31	170.30
			64QAM	21.58	143.86
	1852.5~1912.5	5	QPSK	23.36	216.78
			16QAM	22.61	182.33
			64QAM	21.64	145.82
	1851.5~1913.5	3	QPSK	23.18	207.97
			16QAM	22.29	169.25
			64QAM	21.57	143.56
	1850.7~1914.3	1.4	QPSK	23.20	209.16
			16QAM	22.34	171.29
			64QAM	21.65	146.18

LTE Band 30

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 30	2310	10	QPSK	21.91	155.07
			16QAM	21.31	135.16
			64QAM	20.72	117.98
	2307.5~2312.5	5	QPSK	22.45	175.92
			16QAM	21.66	146.43
			64QAM	20.75	118.76

LTE Band 41 (PC2)

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 41	2506~2680	20	QPSK	25.41	347.77
			16QAM	24.67	292.80
			64QAM	23.82	240.94
	2503.5~2682.5	15	QPSK	25.34	342.02
			16QAM	24.72	296.25
			64QAM	23.76	237.67
	2501~2685	10	QPSK	25.39	345.77
			16QAM	24.80	301.96
			64QAM	23.76	237.67
	2498.5~2687.5	5	QPSK	25.41	347.54
			16QAM	24.69	294.44
			64QAM	23.95	248.11

LTE Band 66

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 66	1720~1770	20	QPSK	23.33	215.50
			16QAM	22.94	196.79
			64QAM	21.97	157.26
	1717.5~1772.5	15	QPSK	23.28	213.04
			16QAM	22.77	189.12
			64QAM	21.94	156.36
	1715~1775	10	QPSK	23.23	210.23
			16QAM	22.65	184.03
			64QAM	21.70	148.02
	1712.5~1777.5	5	QPSK	23.32	214.79
			16QAM	23.00	199.44
			64QAM	21.63	145.39
	1711.5~1778.5	3	QPSK	23.22	209.78
			16QAM	22.75	188.29
			64QAM	21.68	147.13
	1710.7~1779.3	1.4	QPSK	23.32	214.98
			16QAM	22.75	188.58
			64QAM	21.57	143.53

LTE Band 71

FCC Part 27					
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted	
				Avg [dBm]	Avg [mW]
Band 71	673~688	20	QPSK	24.21	263.59
			16QAM	23.53	225.50
			64QAM	22.44	175.56
	670.5~690.5	15	QPSK	24.09	256.25
			16QAM	23.39	218.05
			64QAM	22.40	173.81
	668~693	10	QPSK	24.12	258.29
			16QAM	23.45	221.08
			64QAM	22.45	175.79
	665.5~695.5	5	QPSK	24.14	259.67
			16QAM	23.75	236.91
			64QAM	22.38	172.92

LTE Band 2

LTE Band 2(Frequency range: 1850-1910 MHz) is covered by LTE Band 25 (Frequency range: 1850-1915 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 4

LTE Band 4 (Frequency range: 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 17

LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range: 699-716 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band41(PC3)

LTE Band 41(PC3, Frequency range : 2496-2690 MHz) is covered by LTE Band 41(PC2) (Frequency range: 2496-2690 MHz) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than LTE Band41(PC3).

NR Band n2 Anchor B12

FCC Part 24						
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted	
					Avg [dBm]	Avg [mW]
n2	1860~1900	20	DFT-s OFDM	$\pi/2$ BPSK	23.90	245.20
				QPSK	23.88	244.44
				16QAM	23.25	211.38
				64QAM	21.61	144.86
				256QAM	19.93	98.35
	CP-OFDM	QPSK	22.50	177.81		
	1857.5~1902.5	15	DFT-s OFDM	$\pi/2$ BPSK	23.80	239.68
				QPSK	23.83	241.60
				16QAM	22.68	185.26
				64QAM	21.62	145.06
				256QAM	19.26	84.37
	CP-OFDM	QPSK	22.32	170.51		
	1855~1905	10	DFT-s OFDM	$\pi/2$ BPSK	23.70	234.55
				QPSK	23.77	238.15
				16QAM	22.64	183.45
				64QAM	21.42	138.60
				256QAM	19.14	82.00
	CP-OFDM	QPSK	22.20	165.95		
	1852.5~1907.5	5	DFT-s OFDM	$\pi/2$ BPSK	23.82	241.13
				QPSK	23.79	239.06
16QAM				22.73	187.58	
64QAM				21.55	143.01	
256QAM				19.19	83.05	
CP-OFDM	QPSK	22.37	172.78			

NR Band n5 Anchor B2

FCC Part 22							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		
					Avg [dBm]	Avg [mW]	
n5	834~839	20	DFT-s OFDM	$\pi/2$ BPSK	24.51	282.81	
				QPSK	24.60	288.13	
				16QAM	23.70	234.21	
				64QAM	22.46	176.06	
				256QAM	20.33	107.87	
				CP-OFDM	QPSK	22.84	192.42
	831.5~841.5	15	DFT-s OFDM	$\pi/2$ BPSK	24.55	285.04	
				QPSK	24.63	290.25	
				16QAM	23.50	223.93	
				64QAM	22.20	165.83	
				256QAM	20.00	100.04	
				CP-OFDM	QPSK	23.04	201.37
	829~844	10	DFT-s OFDM	$\pi/2$ BPSK	24.45	278.84	
				QPSK	24.48	280.59	
				16QAM	23.32	214.65	
				64QAM	22.01	158.84	
				256QAM	19.83	96.08	
				CP-OFDM	QPSK	22.86	193.26
	826.5~846.5	5	DFT-s OFDM	$\pi/2$ BPSK	24.57	286.73	
				QPSK	24.62	289.65	
16QAM				23.53	225.57		
64QAM				22.16	164.50		
256QAM				19.93	98.36		
			CP-OFDM	QPSK	23.09	203.66	

NR Band n41 #0 Anchor B4

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted	
					Avg [dBm]	Avg [mW]
n41#0	2546.01~2640	100	DFT-s OFDM	$\pi/2$ BPSK	23.08	203.25
				QPSK	23.18	207.97
				16QAM	22.19	165.46
				64QAM	20.68	116.87
				256QAM	18.73	74.70
			CP-OFDM	QPSK	21.58	143.72
			DFT-s OFDM	$\pi/2$ BPSK	23.11	204.72
				QPSK	23.10	204.18
				16QAM	22.08	161.33
	64QAM	20.45		111.01		
	256QAM	18.66		73.43		
	CP-OFDM	QPSK	21.35	136.44		
	2536.02~2649.99	80	DFT-s OFDM	$\pi/2$ BPSK	23.10	204.30
				QPSK	23.03	200.69
				16QAM	22.04	159.78
				64QAM	20.74	118.55
				256QAM	18.78	75.55
			CP-OFDM	QPSK	21.27	134.01
	2526~2659.98	60	DFT-s OFDM	$\pi/2$ BPSK	23.18	207.96
				QPSK	23.12	205.01
				16QAM	22.09	161.74
				64QAM	20.53	113.03
				256QAM	18.60	72.48
			CP-OFDM	QPSK	21.39	137.69
2521.02~2664.99	50	DFT-s OFDM	$\pi/2$ BPSK	23.17	207.28	
			QPSK	23.12	205.34	
			16QAM	22.06	160.68	
			64QAM	20.78	119.71	
			256QAM	18.66	73.47	
		CP-OFDM	QPSK	21.32	135.59	

n41#0	2516.01~2664.99	40	DFT-s OFDM	$\pi/2$ BPSK	23.13	205.60	
				QPSK	23.02	200.46	
				16QAM	21.95	156.78	
				64QAM	20.56	113.69	
				256QAM	18.52	71.05	
				CP-OFDM	QPSK	21.17	130.78
	2511~2674.98	30	DFT-s OFDM	$\pi/2$ BPSK	23.11	204.79	
				QPSK	23.12	205.24	
				16QAM	22.22	166.76	
				64QAM	20.71	117.73	
				256QAM	18.79	75.64	
				CP-OFDM	QPSK	21.48	140.65
	2506.02~2679.99	20	DFT-s OFDM	$\pi/2$ BPSK	23.15	206.61	
				QPSK	23.17	207.67	
				16QAM	21.94	156.44	
				64QAM	20.66	116.48	
				256QAM	18.79	75.65	
				CP-OFDM	QPSK	21.31	135.31
	2503.5~2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	23.15	206.73	
				QPSK	23.14	206.29	
16QAM				22.00	158.48		
64QAM				20.68	117.08		
256QAM				18.72	74.43		
			CP-OFDM	QPSK	21.32	135.49	
2501.01~2685	10	DFT-s OFDM	$\pi/2$ BPSK	23.18	207.85		
			QPSK	23.16	207.04		
			16QAM	22.12	162.75		
			64QAM	20.61	115.21		
			256QAM	18.49	70.58		
			CP-OFDM	QPSK	21.46	139.90	

NR Band n41 #1 Anchor B12

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		
					Avg [dBm]	Avg [mW]	
n41#1	2546.01~2640	100	DFT-s OFDM	$\pi/2$ BPSK	24.13	258.74	
				QPSK	24.16	260.54	
				16QAM	23.41	219.14	
				64QAM	21.67	146.97	
				256QAM	19.62	91.62	
				CP-OFDM	QPSK	22.64	183.82
	2541~2644.98	90	DFT-s OFDM	$\pi/2$ BPSK	24.13	259.07	
				QPSK	24.13	258.79	
				16QAM	22.54	179.68	
				64QAM	21.14	129.92	
				256QAM	18.97	78.91	
				CP-OFDM	QPSK	22.00	158.65
	2536.02~2649.99	80	DFT-s OFDM	$\pi/2$ BPSK	24.16	260.69	
				QPSK	24.24	265.66	
				16QAM	22.66	184.56	
				64QAM	21.29	134.54	
				256QAM	19.23	83.77	
				CP-OFDM	QPSK	22.08	161.59
	2526~2659.98	60	DFT-s OFDM	$\pi/2$ BPSK	24.20	262.96	
				QPSK	24.23	264.71	
16QAM				22.85	192.80		
64QAM				21.48	140.49		
256QAM				19.49	88.91		
			CP-OFDM	QPSK	22.31	170.04	
2521.02~2664.99	50	DFT-s OFDM	$\pi/2$ BPSK	24.29	268.48		
			QPSK	24.30	268.86		
			16QAM	23.01	200.20		
			64QAM	21.61	144.88		
			256QAM	19.57	90.67		
			CP-OFDM	QPSK	22.47	176.74	

n41#1	2516.01~2664.99	40	DFT-s OFDM	$\pi/2$ BPSK	24.26	266.92	
				QPSK	24.30	269.35	
				16QAM	22.77	189.38	
				64QAM	21.40	137.95	
				256QAM	19.32	85.50	
				CP-OFDM	QPSK	22.23	167.19
	2511~2674.98	30	DFT-s OFDM	$\pi/2$ BPSK	24.32	270.62	
				QPSK	24.34	271.57	
				16QAM	22.95	197.36	
				64QAM	21.55	142.83	
				256QAM	19.46	88.27	
				CP-OFDM	QPSK	22.40	173.75
	2506.02~2679.99	20	DFT-s OFDM	$\pi/2$ BPSK	24.33	271.02	
				QPSK	24.34	271.39	
				16QAM	23.15	206.72	
				64QAM	21.72	148.54	
				256QAM	19.81	95.70	
				CP-OFDM	QPSK	22.63	183.30
	2503.5~2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	24.18	261.63	
				QPSK	24.29	268.68	
16QAM				23.15	206.56		
64QAM				21.63	145.70		
256QAM				19.51	89.32		
			CP-OFDM	QPSK	22.98	198.64	
2501.01~2685	10	DFT-s OFDM	$\pi/2$ BPSK	24.26	266.60		
			QPSK	24.32	270.55		
			16QAM	23.39	218.46		
			64QAM	21.75	149.69		
			256QAM	19.54	89.86		
			CP-OFDM	QPSK	22.67	184.85	

NR Band n66 Anchor B12

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted	
					Avg [dBm]	Avg [mW]
n66	1730~1760	40	DFT-s OFDM	$\pi/2$ BPSK	23.75	237.38
				QPSK	23.75	237.09
				16QAM	23.14	206.25
				64QAM	21.89	154.47
				256QAM	19.74	94.15
	CP-OFDM	QPSK	22.23	167.00		
	1725~1765	30	DFT-s OFDM	$\pi/2$ BPSK	23.73	235.95
				QPSK	23.78	238.71
				16QAM	22.65	183.87
				64QAM	21.29	134.48
				256QAM	19.28	84.71
	CP-OFDM	QPSK	21.98	157.87		
	1722.5~1767.5	25	DFT-s OFDM	$\pi/2$ BPSK	23.72	235.35
				QPSK	23.76	237.41
				16QAM	22.69	185.83
				64QAM	21.38	137.42
				256QAM	19.27	84.53
	CP-OFDM	QPSK	22.15	163.90		
	1720~1770	20	DFT-s OFDM	$\pi/2$ BPSK	23.77	238.04
				QPSK	23.82	240.82
				16QAM	22.96	197.57
				64QAM	21.33	135.68
				256QAM	19.37	86.42
	CP-OFDM	QPSK	22.31	170.13		
	1717.5~1772.5	15	DFT-s OFDM	$\pi/2$ BPSK	23.78	238.71
				QPSK	23.79	239.50
				16QAM	23.01	200.07
				64QAM	21.56	143.09
				256QAM	19.34	85.87
	CP-OFDM	QPSK	22.31	170.11		
1715~1775	10	DFT-s OFDM	$\pi/2$ BPSK	23.68	233.31	
			QPSK	23.72	235.40	
			16QAM	22.63	183.10	
			64QAM	21.30	134.93	
			256QAM	19.24	83.94	
CP-OFDM	QPSK	22.19	165.65			

NR Band n71 Anchor B2

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		
					Avg [dBm]	Avg [mW]	
n71	673-688	20	DFT-s OFDM	$\pi/2$ BPSK	24.36	272.69	
				QPSK	24.35	272.51	
				16QAM	23.42	220.00	
				64QAM	22.42	174.77	
				256QAM	20.40	109.59	
				CP-OFDM	QPSK	22.59	181.74
	670.5-690.5	15	DFT-s OFDM	$\pi/2$ BPSK	24.37	273.49	
				QPSK	24.42	276.50	
				16QAM	22.75	188.45	
				64QAM	21.99	158.20	
				256QAM	19.68	92.95	
				CP-OFDM	QPSK	22.59	181.65
	668-693	10	DFT-s OFDM	$\pi/2$ BPSK	24.27	267.06	
				QPSK	24.30	269.09	
				16QAM	23.02	200.52	
				64QAM	21.98	157.59	
				256QAM	19.83	96.22	
				CP-OFDM	QPSK	22.60	181.95
	665.5-695.5	5	DFT-s OFDM	$\pi/2$ BPSK	24.37	273.27	
				QPSK	24.39	274.52	
16QAM				23.37	217.50		
64QAM				22.17	164.91		
256QAM				19.99	99.69		
			CP-OFDM	QPSK	22.84	192.21	

NR Band n77 (3450 – 3550 MHz) Anchor B12

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted	
					Avg [dBm]	Avg [mW]
n77	3499.98	100	DFT-s OFDM	$\pi/2$ BPSK	24.21	263.88
				QPSK	24.36	272.96
				16QAM	23.49	223.46
				64QAM	21.98	157.64
				256QAM	19.99	99.67
	CP-OFDM	QPSK	22.96	197.75		
	3495~3504.99	90	DFT-s OFDM	$\pi/2$ BPSK	24.29	268.43
				QPSK	24.29	268.30
				16QAM	23.19	208.55
				64QAM	21.48	140.50
				256QAM	19.12	81.65
	CP-OFDM	QPSK	22.38	172.96		
	3490.02~3510	80	DFT-s OFDM	$\pi/2$ BPSK	24.31	269.75
				QPSK	24.32	270.53
				16QAM	23.19	208.52
				64QAM	21.72	148.75
				256QAM	19.31	85.37
	CP-OFDM	QPSK	22.69	185.87		
	3485.01~3514.98	70	DFT-s OFDM	$\pi/2$ BPSK	24.08	255.60
				QPSK	24.11	257.40
				16QAM	23.06	202.22
				64QAM	21.59	144.28
				256QAM	19.47	88.49
	CP-OFDM	QPSK	22.43	175.17		
	3480~3519.99	60	DFT-s OFDM	$\pi/2$ BPSK	24.21	263.93
				QPSK	24.24	265.63
				16QAM	23.26	211.95
				64QAM	21.80	151.37
256QAM				19.62	91.68	
CP-OFDM	QPSK	22.88	194.03			
3475.02~3525	50	DFT-s OFDM	$\pi/2$ BPSK	24.26	266.91	
			QPSK	24.27	267.08	
			16QAM	23.48	223.01	
			64QAM	21.91	155.27	
			256QAM	19.69	93.02	
CP-OFDM	QPSK	22.84	192.27			

n77	3470.01~3529.98	40	DFT-s OFDM	$\pi/2$ BPSK	24.27	267.14
				QPSK	24.29	268.62
				16QAM	22.99	198.88
				64QAM	21.57	143.52
				256QAM	19.49	88.90
	CP-OFDM	QPSK	22.43	175.11		
	3465~3535.02	30	DFT-s OFDM	$\pi/2$ BPSK	24.28	267.74
				QPSK	24.32	270.62
				16QAM	23.20	208.90
				64QAM	21.78	150.52
				256QAM	19.56	90.34
	CP-OFDM	QPSK	22.68	185.29		
	3462.51~3537.48	25	DFT-s OFDM	$\pi/2$ BPSK	24.31	269.74
				QPSK	24.34	271.76
				16QAM	23.26	211.86
				64QAM	21.85	153.20
				256QAM	19.57	90.59
	CP-OFDM	QPSK	22.73	187.42		
	3460.02~3540	20	DFT-s OFDM	$\pi/2$ BPSK	24.27	267.23
				QPSK	24.27	267.17
				16QAM	23.44	220.59
				64QAM	21.92	155.45
				256QAM	19.70	93.39
	CP-OFDM	QPSK	22.87	193.72		
	3457.5~3542.49	15	DFT-s OFDM	$\pi/2$ BPSK	24.06	254.77
				QPSK	24.08	255.65
				16QAM	23.46	221.75
				64QAM	21.62	145.14
256QAM				19.58	90.88	
CP-OFDM	QPSK	22.62	182.64			
3455.01~3544.98	10	DFT-s OFDM	$\pi/2$ BPSK	24.07	255.28	
			QPSK	24.07	255.39	
			16QAM	23.28	212.81	
			64QAM	21.91	155.38	
			256QAM	19.76	94.69	
CP-OFDM	QPSK	22.71	186.60			

NR Band n77 (3700 – 3980 MHz) Anchor B12

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted	
					Avg [dBm]	Avg [mW]
n77	3750~3930	100	DFT-s OFDM	$\pi/2$ BPSK	24.32	270.11
				QPSK	24.37	273.73
				16QAM	23.50	223.77
				64QAM	21.99	158.23
				256QAM	19.97	99.40
			CP-OFDM	QPSK	22.97	198.04
	3745.02~3934.98	90	DFT-s OFDM	$\pi/2$ BPSK	24.36	273.08
				QPSK	24.35	272.11
				16QAM	23.28	212.89
				64QAM	21.55	143.00
				256QAM	19.70	93.32
			CP-OFDM	QPSK	22.68	185.18
	3740.01~3939.99	80	DFT-s OFDM	$\pi/2$ BPSK	24.44	278.12
				QPSK	24.42	276.50
				16QAM	23.38	217.85
				64QAM	21.68	147.13
				256QAM	19.70	93.33
			CP-OFDM	QPSK	22.72	186.90
	3735.02~3944.98	70	DFT-s OFDM	$\pi/2$ BPSK	24.11	257.81
				QPSK	24.15	260.02
				16QAM	22.89	194.54
				64QAM	21.30	134.76
				256QAM	19.44	87.99
			CP-OFDM	QPSK	22.50	177.76
3730.02~3949.98	60	DFT-s OFDM	$\pi/2$ BPSK	24.44	277.67	
			QPSK	24.49	281.09	
			16QAM	23.49	223.24	
			64QAM	21.79	151.04	
			256QAM	19.92	98.27	
		CP-OFDM	QPSK	22.88	194.08	
3725.01~3954.99	50	DFT-s OFDM	$\pi/2$ BPSK	24.43	277.60	
			QPSK	24.41	276.10	
			16QAM	23.44	220.74	
			64QAM	21.73	149.03	
			256QAM	19.83	96.26	
		CP-OFDM	QPSK	22.93	196.25	

n77	3720.02~3960	40	DFT-s OFDM	$\pi/2$ BPSK	24.36	273.10
				QPSK	24.40	275.29
				16QAM	23.11	204.74
				64QAM	21.48	140.54
				256QAM	19.44	87.85
			CP-OFDM	QPSK	22.57	180.60
	3715.02~3964.98	30	DFT-s OFDM	$\pi/2$ BPSK	24.39	274.53
				QPSK	24.36	273.09
				16QAM	23.44	221.05
				64QAM	21.77	150.28
				256QAM	19.68	92.94
			CP-OFDM	QPSK	22.83	192.01
	3712.5~3967.5	25	DFT-s OFDM	$\pi/2$ BPSK	24.39	274.50
				QPSK	24.43	277.34
				16QAM	23.49	223.47
				64QAM	21.96	156.94
				256QAM	19.74	94.18
			CP-OFDM	QPSK	22.76	188.93
	3710.01~3969.99	20	DFT-s OFDM	$\pi/2$ BPSK	24.38	274.44
				QPSK	24.40	275.50
				16QAM	23.41	219.41
				64QAM	21.98	157.88
				256QAM	19.97	99.38
			CP-OFDM	QPSK	22.97	198.14
	3707.52~3972.48	15	DFT-s OFDM	$\pi/2$ BPSK	24.10	257.17
				QPSK	24.24	265.17
				16QAM	23.04	201.44
				64QAM	21.91	155.24
256QAM				19.69	93.04	
CP-OFDM			QPSK	22.67	184.88	
3710.01~3969.99	10	DFT-s OFDM	$\pi/2$ BPSK	24.22	264.54	
			QPSK	24.33	270.98	
			16QAM	23.20	208.98	
			64QAM	21.94	156.29	
			256QAM	19.77	94.79	
		CP-OFDM	QPSK	22.76	188.68	

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a internal antenna for the [List the bands supported] with a maximum peak gain as follow:

Frequency (MHz)	Peak Gain (dBi)
WCDMA Band 5 / LTE Band 5 / NR Band n5 824 ~ 849 MHz	6.1
WCDMA Band 4 / LTE Band 4 / LTE Band 66 / NR Band n66 1710 ~ 1780 MHz	5.2
WCDMA Band 2 / LTE Band 2 / LTE Band 25 / NR Band n2 / NR Band n25 1850 ~ 1915 MHz	8.2
LTE Band 12 / LTE Band 17 699 ~ 716 MHz	5.5
LTE Band 7 2500 ~ 2570 MHz	8.2
LTE Band 13 777 ~ 787 MHz	6.5
LTE Band 14 788 ~ 798 MHz	6.0
LTE Band 30 2305 ~ 2315 MHz	0.5
LTE Band 41/ NR Band n41 2496 ~ 2690 MHz	6.5
LTE Band 71 / NR Band n71 663 ~ 698 MHz	5.5
NR Band n77(Lower) 3450 ~ 3550 MHz	5.5
NR Band n77(Upper) 3700 ~ 3980 MHz	5.5

5.4. WORST-CASE ORIENTATION

Following modes should be considered as worst-case scenario for all other measurements.

- UMTS REL 99/HSDPA

For all LTE Bands, the worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM, and 64QAM modulations. It was found that QPSK and 16QAM results were worst case.

For all 5G NR Bands, the worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM, 64QAM and 256QAM modulations. It was found that QPSK and 16QAM results were worst case.

Both NSA and SA modes were tested and only NSA modes were reported. There is no difference between the two modes.

All testing was performed using QPSK and 16QAM modulations to represent the worst case. However, the out of band emissions and spurious radiation were only performed on bandwidth and RB offset(with RB size 1) with the highest conducted power in QPSK.

Highest power setting for each bands				
LTE Band	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
5	826.5	5	1	24
	836.5		1	12
	846.5		1	0
7	2502.5	5	1	24
	2535.0		1	12
	2567.5		1	0
12	701.5	5	1	24
	707.5		1	12
	713.5		1	0
13	779.5	5	1	24
	782.0		1	12
	784.5		1	12
14	790.5	5	1	12
	793.0		1	12
	795.5		1	0
25	1852.5	5	1	24
	1882.5		1	0
	1912.5		1	0
30	2307.5	5	1	24
	2310.0		1	0
	2312.5		1	12
41 (PC2)	2506.0	20	1	49
	2593.0		1	49
	2680.0		1	49
66	1720.0	20	1	49
	1745.0		1	49
	1770.0		1	49
71	673.0	20	1	99
	680.5		1	49
	688.0		1	49

NR Band	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
2	1860.0	20	1	1
	1880.0		1	104
	1900.0		1	53
5	831.5	15	1	77
	836.5		1	40
	814.5		1	1
41#0	2546.01	100	1	137
	2592.99		1	137
	2674.98		1	137
41#1	2511.00	30	1	39
	2592.99		1	39
	2674.98		1	39
66	1720.0	20	1	53
	1745.0		1	53
	1770.0		1	53
71	670.5	15	1	77
	680.5		1	77
	690.5		1	77
77 (3450-3550 MHz)	3499.98	100	1	137
77 (3700-3980 MHz)	3730.02	60	1	81
	3840.00		1	81
	3949.98		1	81

For LTE anchor, the band with highest output power was chosen among the possible combinations with NR Bands.

NR Band	LTE Anchor
n2	B5, <u>B12</u> , B13, B14, B48
n5	<u>B2</u>
n41#0	<u>B4</u>
n41#1	<u>B12</u>
n66	B5, <u>B12</u> , B13, B14, B48, B71
n71	<u>B2</u> , B7, B66
n77	B2, B5, <u>B12</u> , B13, B14, B66

i. Worst Axis Condition

The fundamental and radiated spurious emission were investigated in three orthogonal orientations X, Y and Z, it was determined that below orientation was worst-case orientation for each band.

Band	RSE		
	X	Y	Z
WCDMA B5	O	-	-
WCDMA B4	O	-	-
WCDMA B2	O	-	-
LTE B5	O	-	-
LTE B7	O	-	-
LTE B12	-	O	-
LTE B13	-	O	-
LTE B14	O	-	-
LTE B25	O	-	-
LTE B30	-	-	O
LTE B41 (PC2)	-	O	-
LTE B66	O	-	-
LTE B71	O	-	-
NR n2 (Anchor B12)	O	-	-
NR n5 (Anchor B2)	O	-	-
NR n41#0 (Anchor B4)	-	-	O
NR n41#1 (Anchor B12)	-	-	O
NR n66 (Anchor B12)	O	-	-
NR n71 (Anchor B2)	O	-	-
NR n77 (3450 – 3550 MHz) (Anchor B12)	-	O	-
NR n77 (3700 – 3980 MHz) (Anchor B12)	-	O	-

Note : For ERP/EIRP testing, the EUT didn't attached with travel adapter. But radiated spurious testing, the EUT attached with travel adapter for the worst case condition. The EUT is continuously communicated with the call box during the tests.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
JIG Board	SAMSUNG	N/A	N/A	N/A
External antenna x 4ea	SAMSUNG	LMH ant	N/A	N/A

I/O CABLE

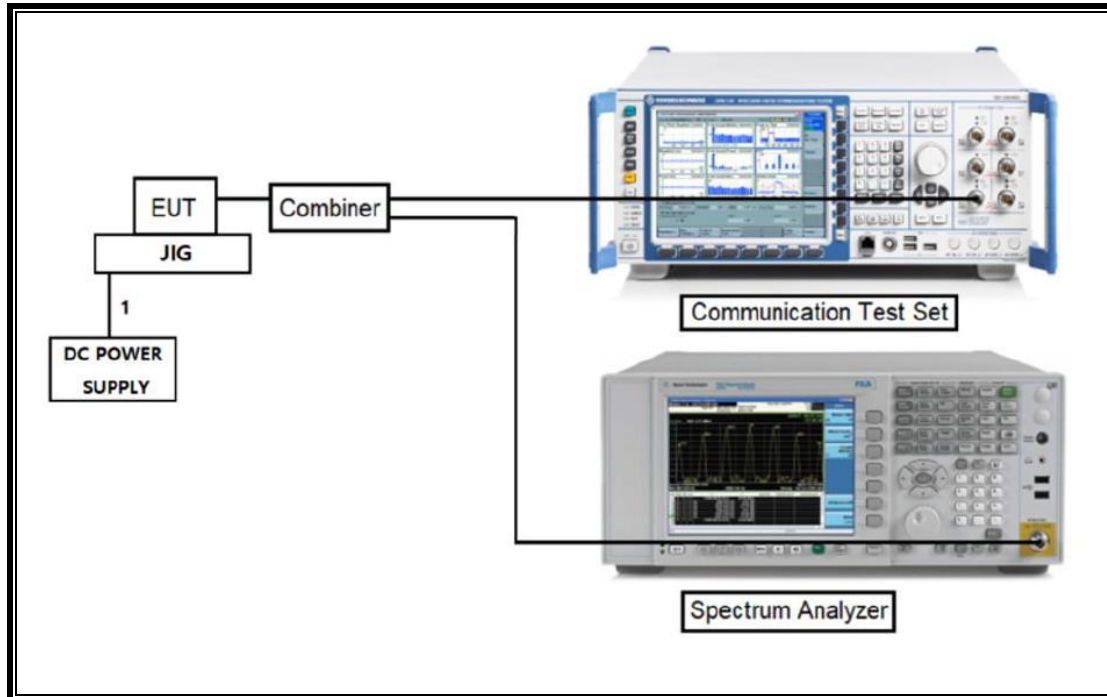
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	DC IN	Shielded	1.0 m	N/A
2	ANT#0	2	MHF Type	Shielded	95.5 mm	N/A
3	ANT#1	3	MHF Type	Shielded	95.5 mm	N/A
4	ANT#2	4	MHF Type	Shielded	95.5 mm	N/A
5	ANT#3	5	MHF Type	Shielded	95.5 mm	N/A

TEST SETUP

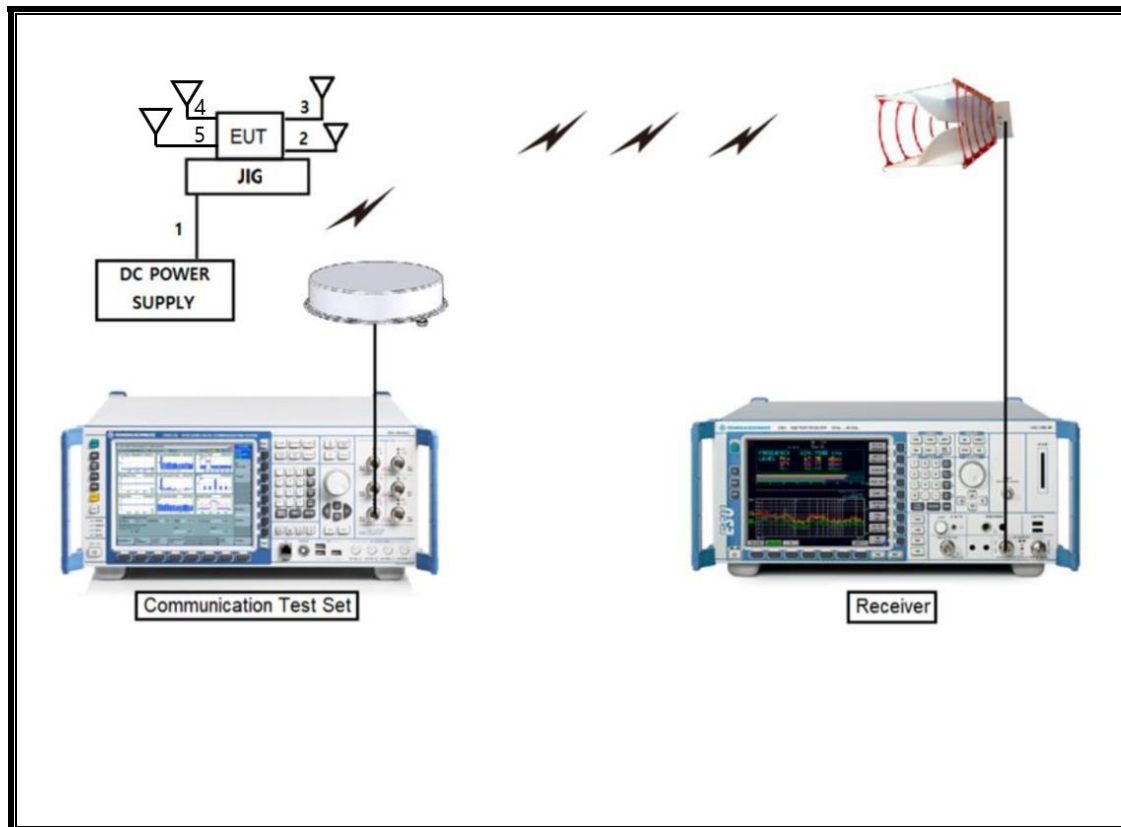
The EUT is continuously communicated with the call box during the tests.

For radiated spurious emissions, while ANSI C63.26 allows the antenna port to be terminated in a load an antenna was connected to the RF port to allow connection to the call box.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. 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	S/N	Cal Due
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121D DB4	00164753	2023-02-08
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	110367-0003	N/A
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2022-08-04
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2021-10-02
Preamplifier	ETS	3116C-PA	00168841	2021-08-06
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	2022-08-19
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	2022-08-13
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	2022-08-13
Antenna, Horn, 18 GHz	ETS	3115	00167211	2022-07-27
Antenna, Horn, 18 GHz	ETS	3115	00161451	2022-08-15
Antenna, Horn, 18 GHz	ETS	3117	00168724	2022-07-27
Antenna, Horn, 18 GHz	ETS	3117	00168717	2022-08-15
Communications Test Set	R&S	CMW500	150314	2021-08-04
DC Power Supply	Agilent / HP	E3640A	MY54226395	2021-08-05
Preamplifier, 1000 MHz	Sonoma	310N	341282	2021-08-03
Preamplifier, 1000 MHz	Sonoma	310N	370599	2021-08-06
Preamplifier, 1000 MHz	Sonoma	310N	351741	2021-08-03
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	2021-08-03
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2021-08-04
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2021-08-03
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2021-08-05
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2021-08-05
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2021-08-03
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2021-08-03
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	2021-08-05
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2021-08-05
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2021-08-05
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2021-08-05
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2021-08-05
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2021-08-05
Attenuator	PASTERNAK	PE7087-10	A009	2021-08-05
Attenuator	PASTERNAK	PE7087-10	A001	2021-08-03
Attenuator	PASTERNAK	PE7087-10	A008	2021-08-03
Attenuator	PASTERNAK	PE7004-10	2	2021-08-04
Attenuator	PASTERNAK	PE7395-10	A011	2021-08-05
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2021-10-02
Temperature Chamber	ESPEC	SH-642	93001109	2021-08-04
Power Splitter	MINI-CIRCUITS	WA1534	UL001	2022-01-27
Power Splitter	MINI-CIRCUITS	WA1534	UL002	2022-01-27
UL Software				
Description	Manufacturer	Model	Version	
Antenna port test software	UL	CLT	Ver 2.5	
Radiated software	UL	UL EMC	Ver 9.5	
Antenna port test software (5G NR FR1)	UL	UL iM	Ver 1.04	

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
2.1049	Occupied Bandwidth(99%)	N/A	Conducted	Pass
22.917(a) 24.238(a) 27.53(c),(g),(h) 27.53 (l)(2) 27.53(n)(2)	Band Edge / Conducted Spurious Emission	-13 dBm		Pass
90.543(e)		-35 dBm		Pass
27.53(m)	Conducted Spurious Emission	-25 dBm		Pass
27.53(a),(4)		-40 dBm		Pass
27.53(a),(5)	Emission mask	Section 9.2.2.		Pass
2.1046	Conducted output power	N/A		Pass
22.355 24.235 27.54 90.213	Frequency Stability	2.5ppm		Pass
22.913(a)(5)	Effective Radiated Power	38.5 dbm		N/A
90.635(b)		50 dBm		N/A
27.50(b)(10) 27.50(c)(10)		34.77 dBm	N/A	
24.232(c) 27.50(h)(2) 27.50(d)(4)	Equivalent Isotropic Radiated Power	33 dBm	N/A	
N/A		30 dBm	N/A	
27.50(a)		40.6 dBm	N/A	
		24 dBm / 5MHz	N/A	
22.917(a) 24.238(a) 27.53(c),(g),(h)	Radiated Spurious Emission	-13 dBm	Pass	
27.53(m)		-25 dBm	Pass	
27.53(a),(4) 27.53 (f)		-40 dBm	Pass	

8. PEAK TO AVERAGE RATIO

Test Procedure

Per KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The PAR were measured on the Spectrum Analyzer.

Test Spec

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

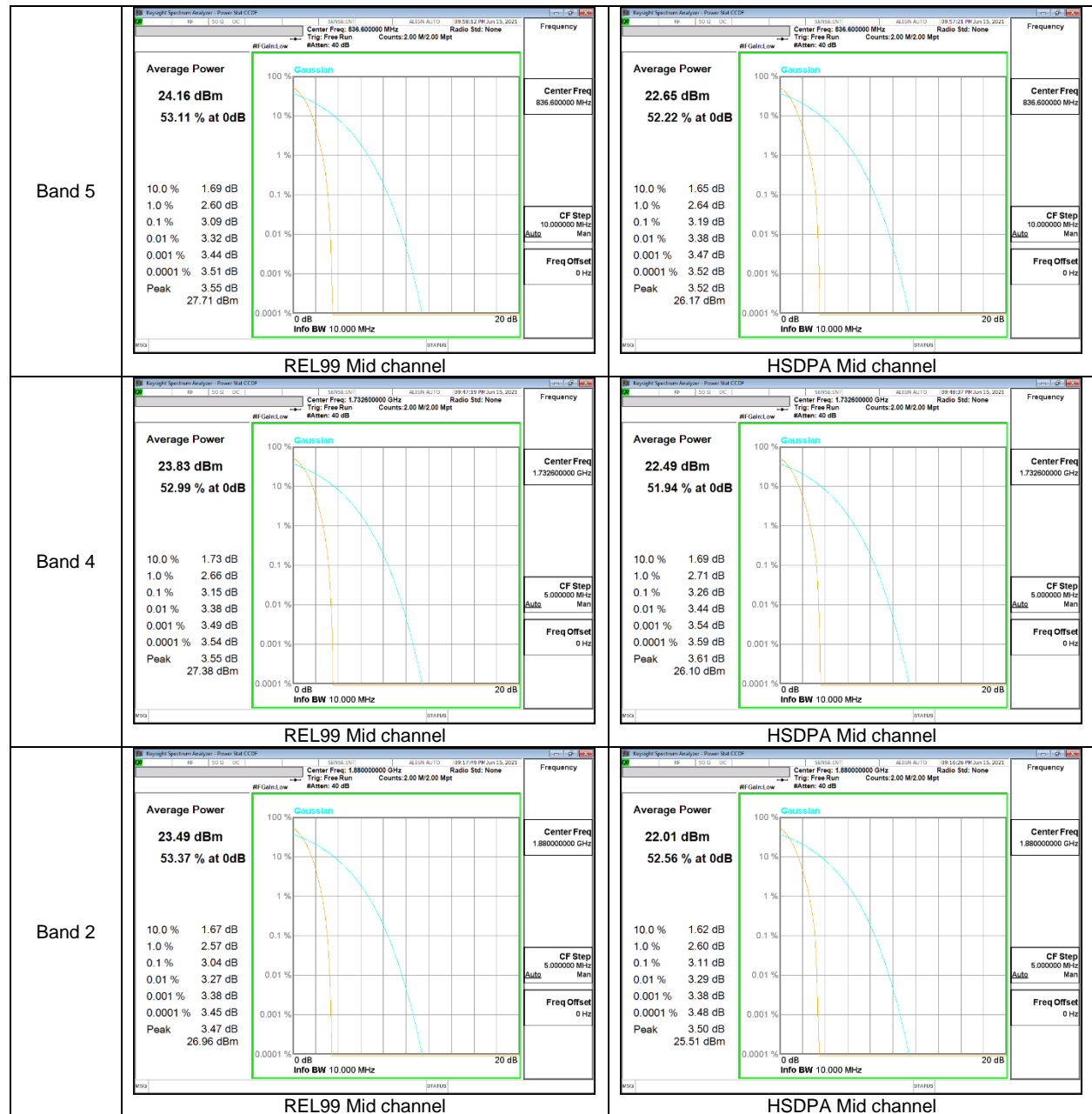
Note

5G NR: All Waveforms (CP-OFDM vs DFT-s OFDM) and modulations (QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

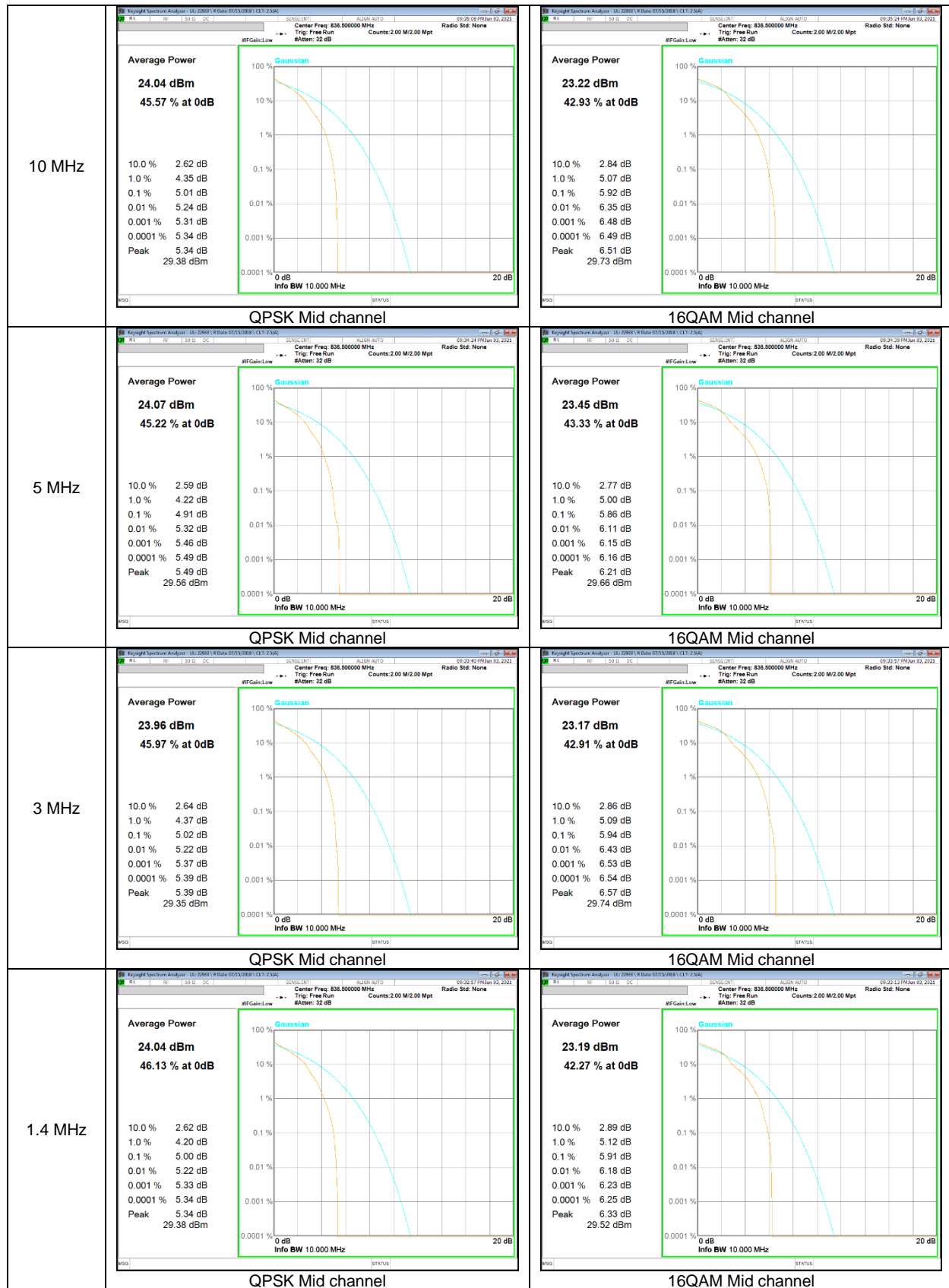
RESULTS

8.1. CONDUCTED PEAK TO AVERAGE RESULT

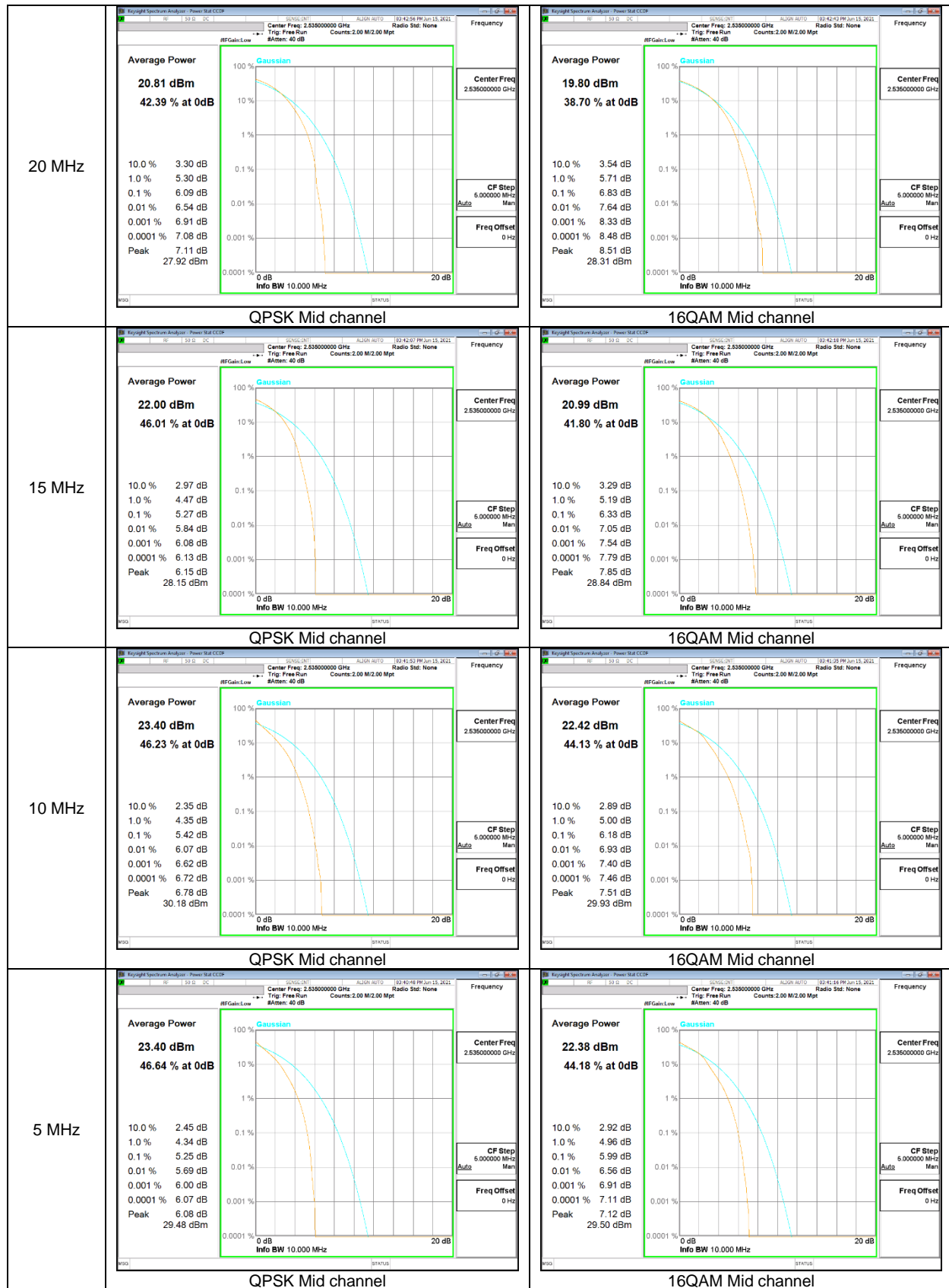
WCDMA



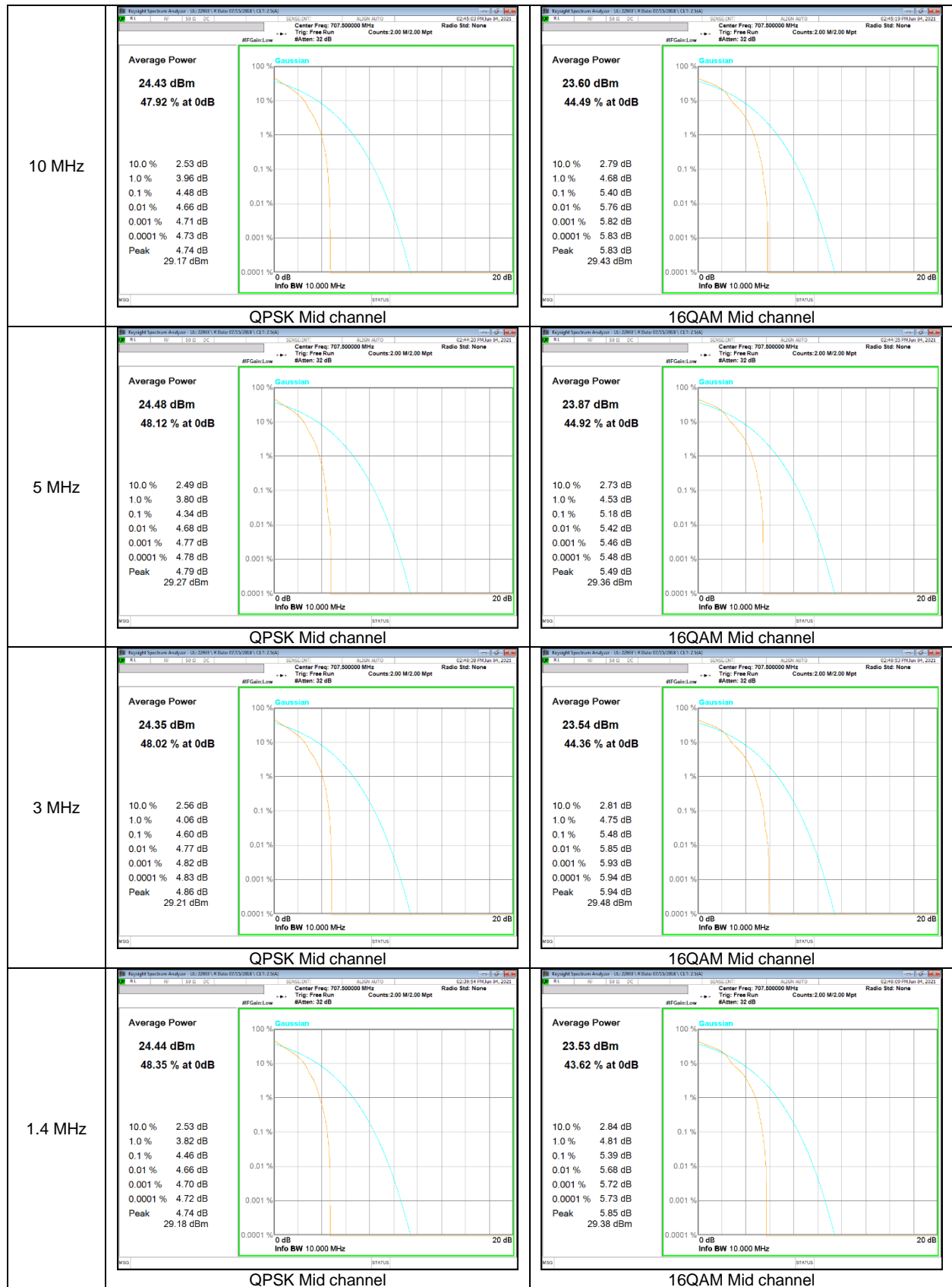
LTE Band 5



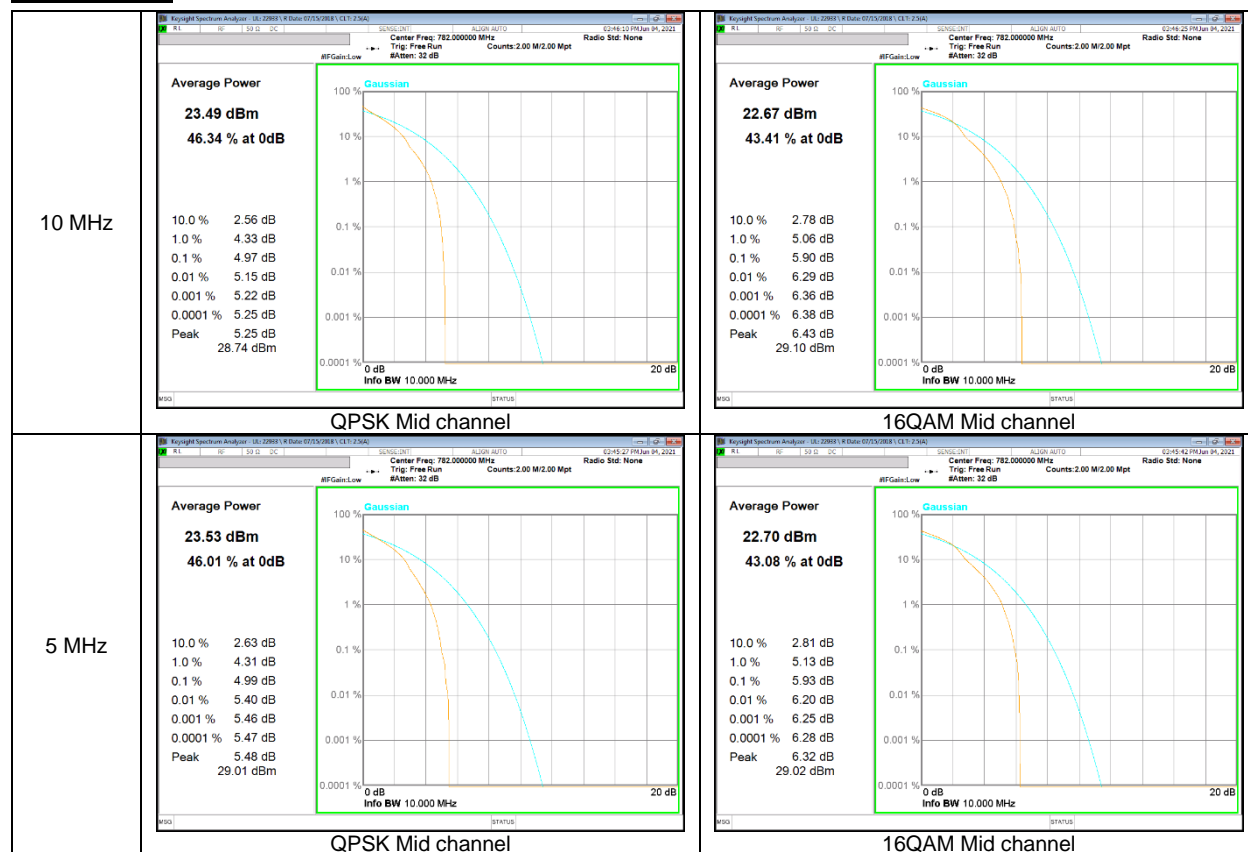
LTE Band 7



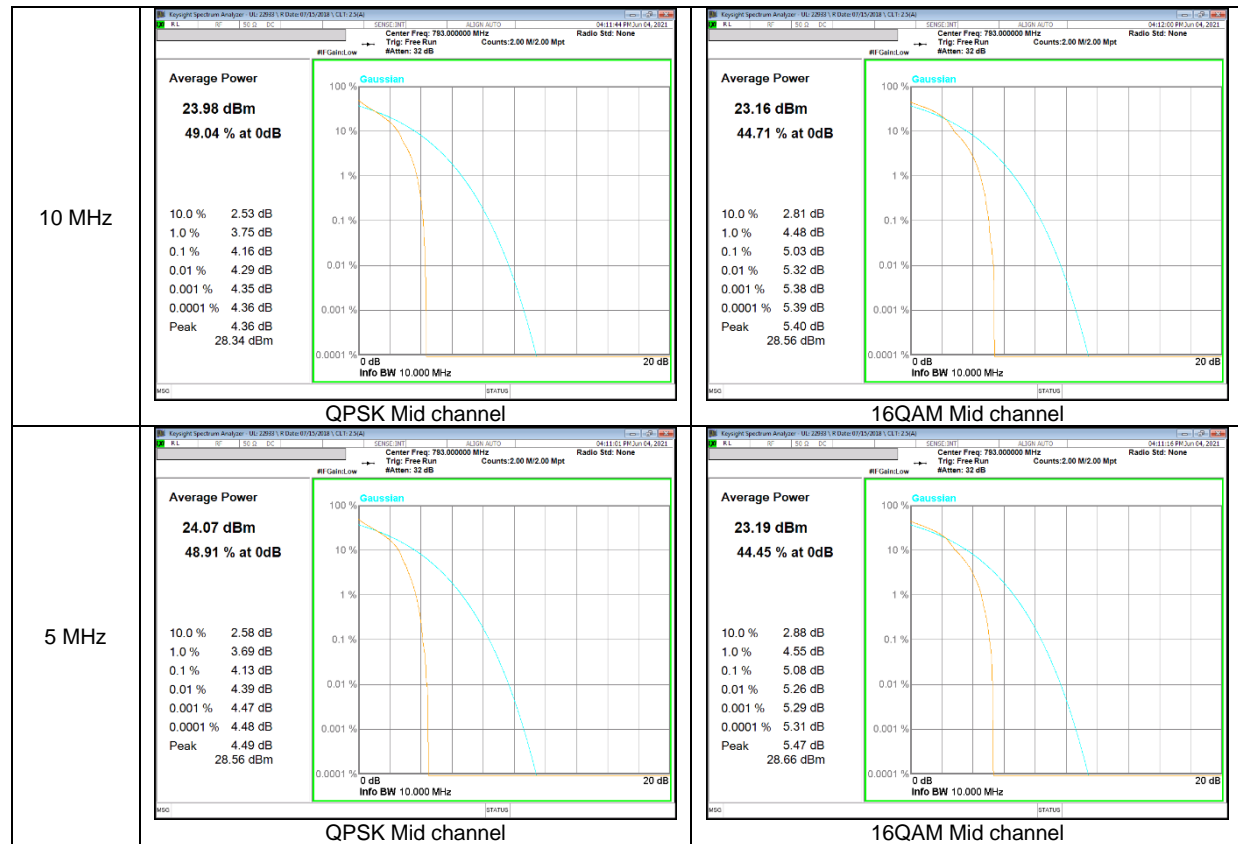
LTE Band 12



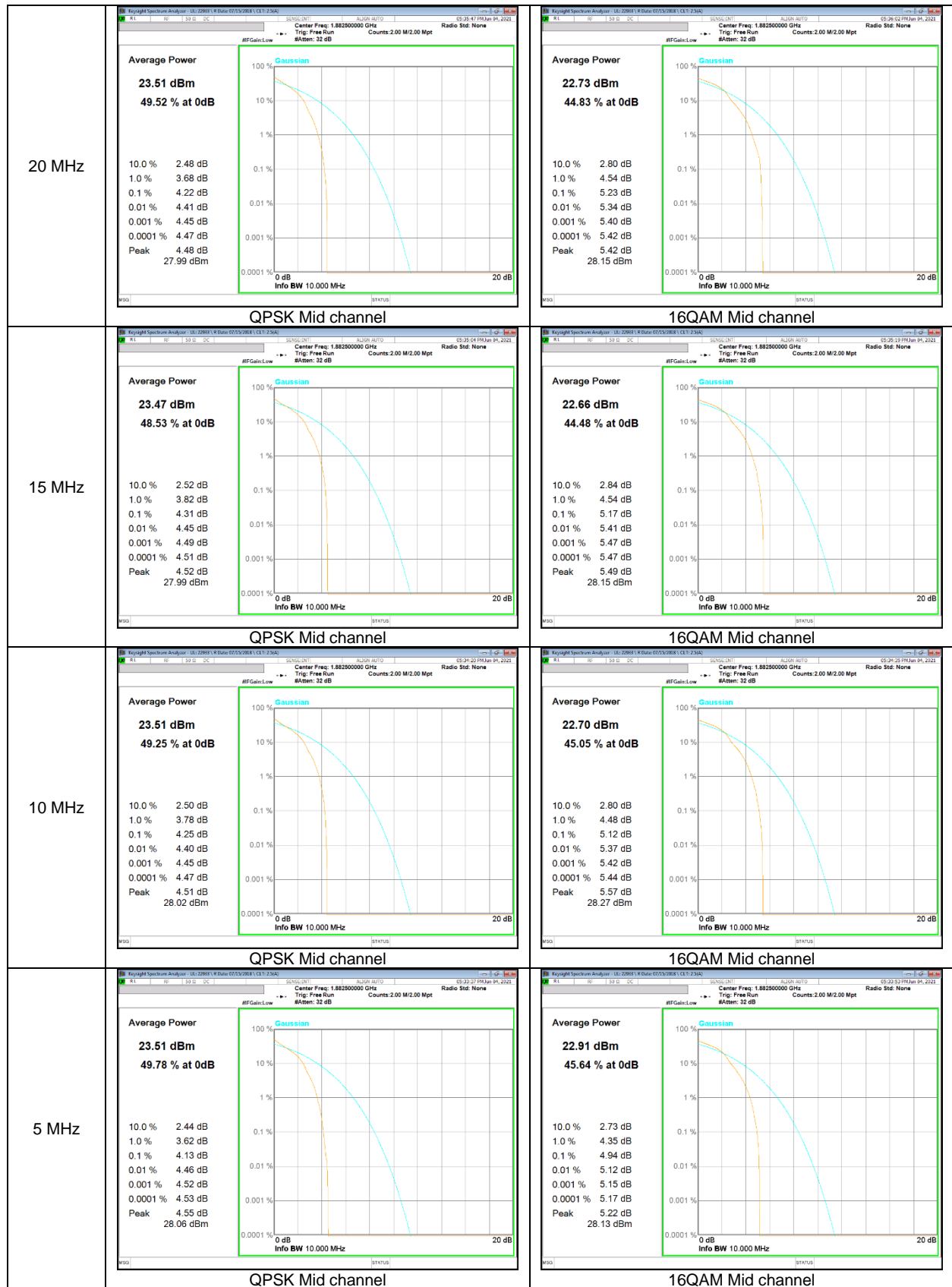
LTE Band 13

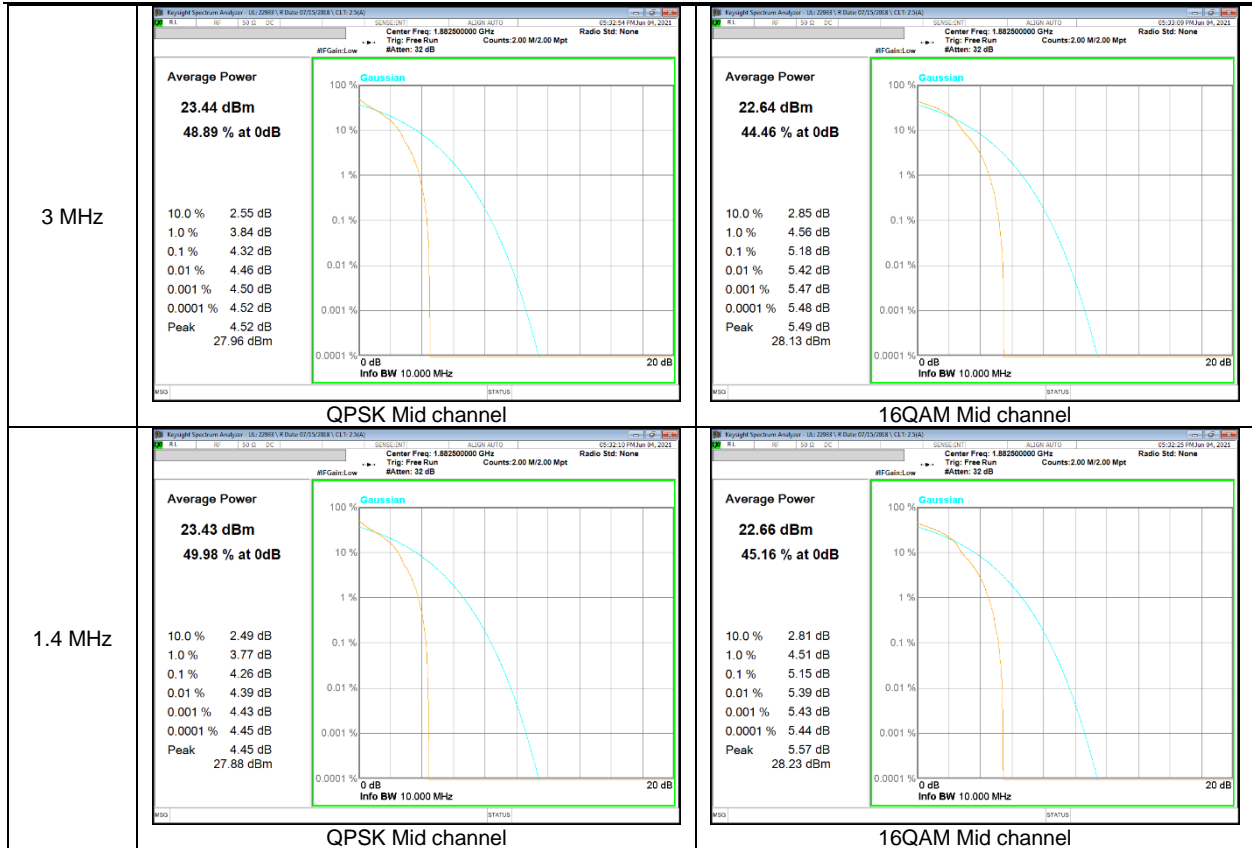


LTE Band 14

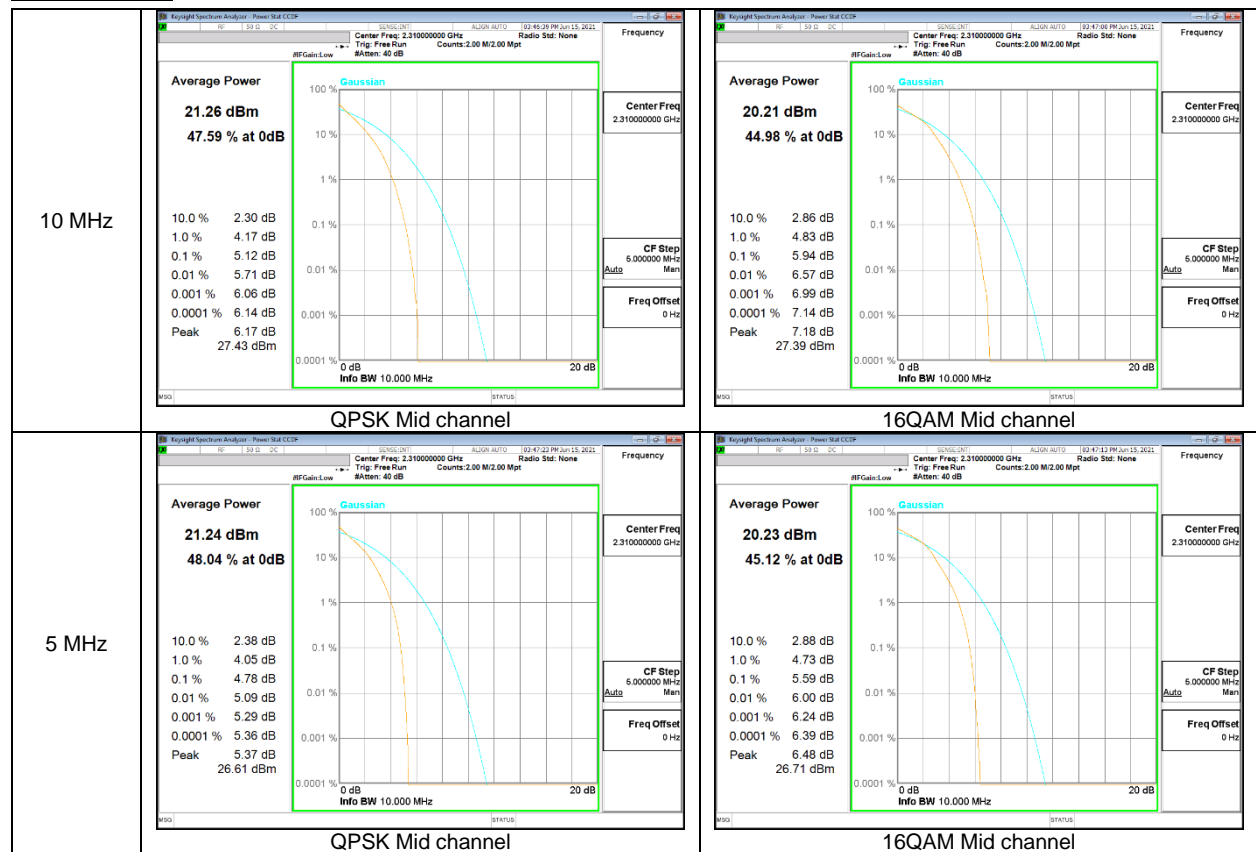


LTE Band 25

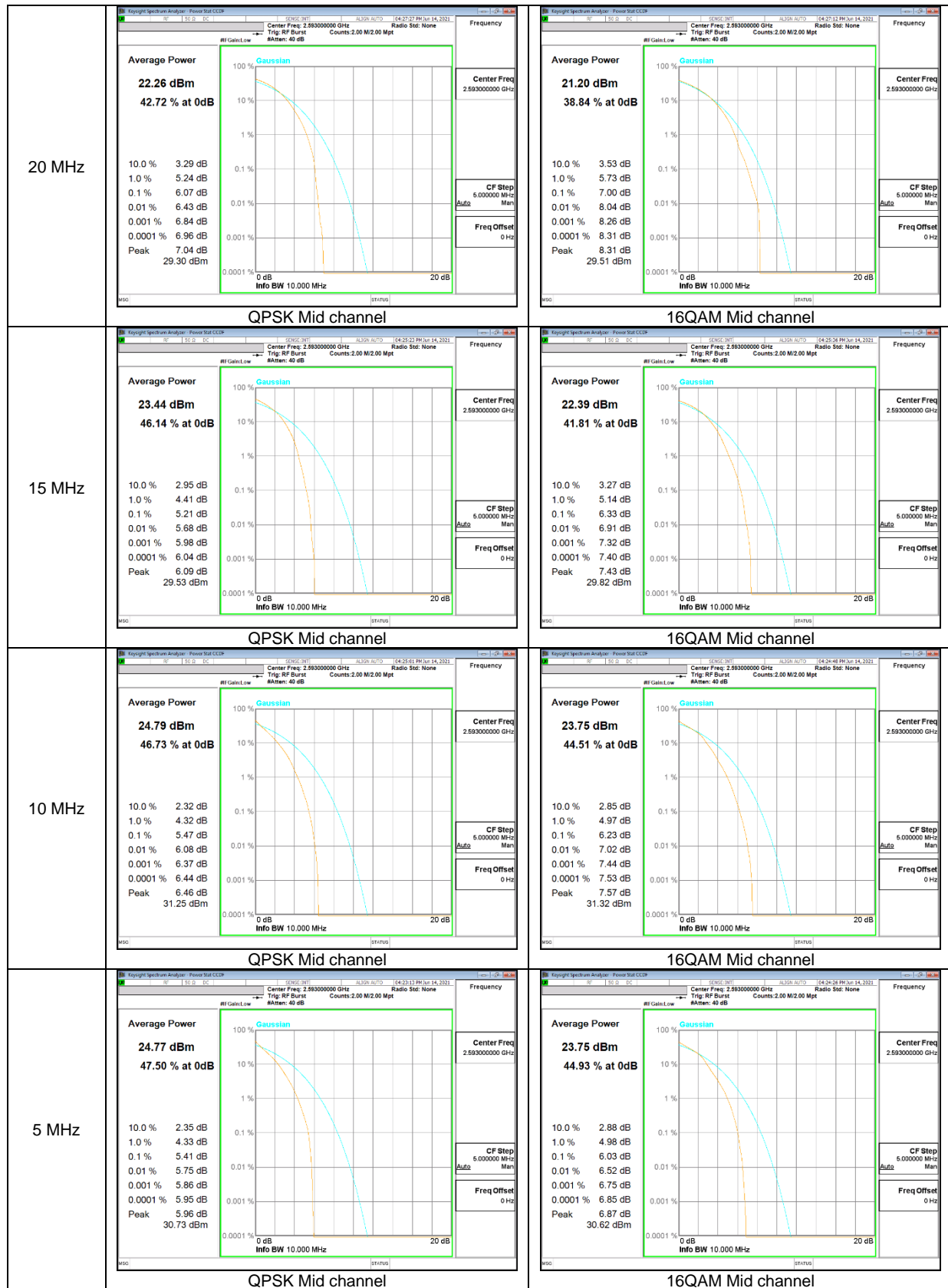




LTE Band 30

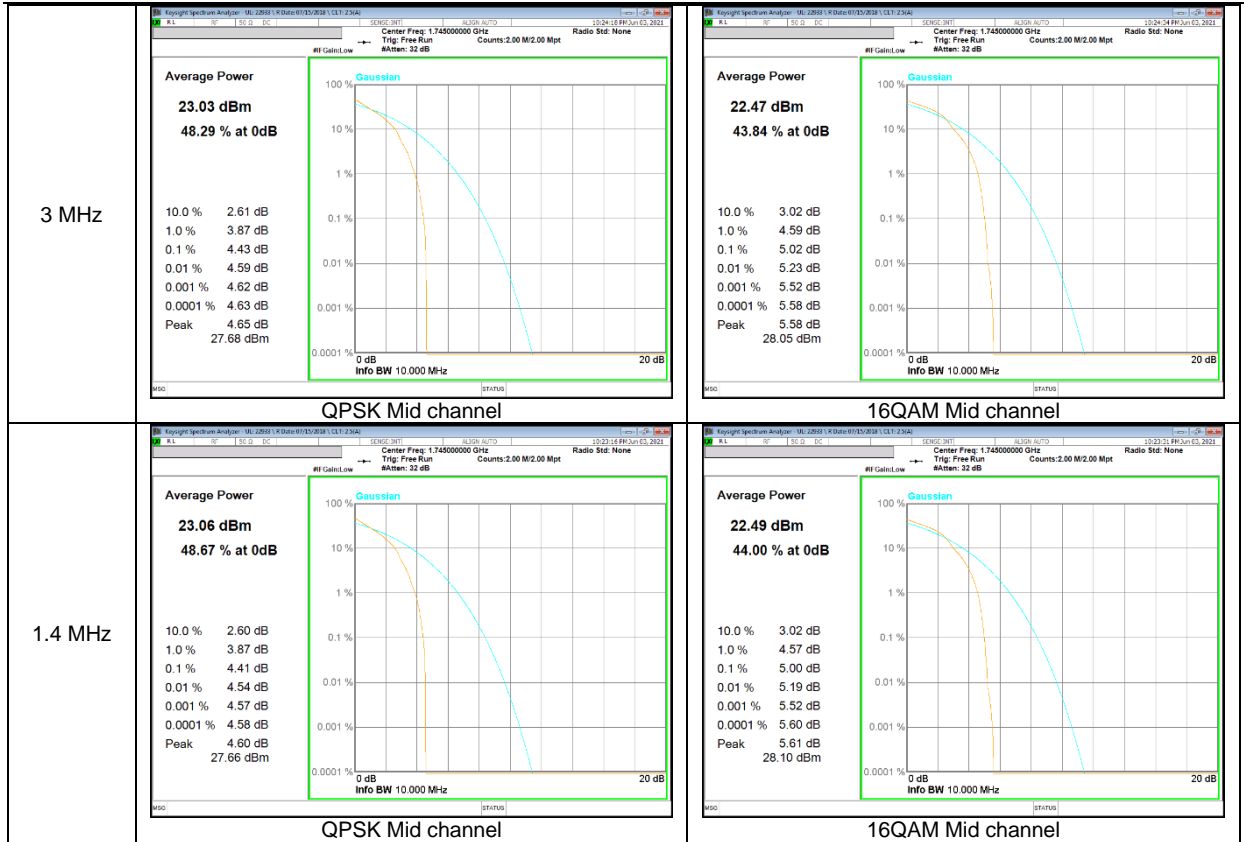


LTE Band 41 (PC2)

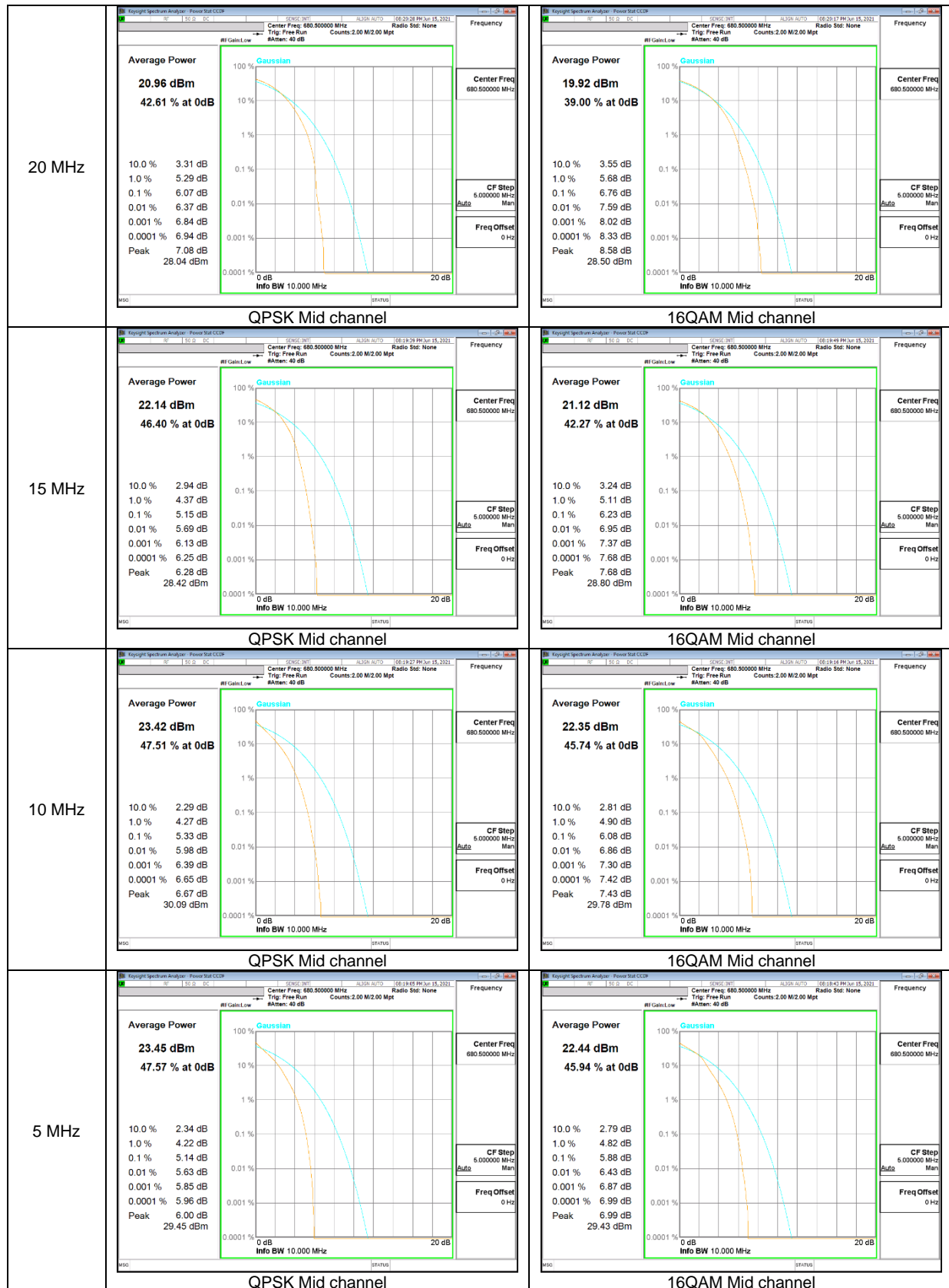


LTE Band 66





LTE Band 71



LTE Band 2

LTE Band 2(Frequency range: 1850-1910 MHz) is covered by LTE Band 25 (Frequency range: 1850-1915 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 4

LTE Band 4 (Frequency range: 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 17

LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range: 699-716 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band41(PC3)

LTE Band 41(PC3, Frequency range : 2496-2690 MHz) is covered by LTE Band 41(PC2) (Frequency range: 2496-2690 MHz) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than LTE Band41(PC3).

NR Band 2 CP-OFDM

