

Test Report

Report No.: MTi230418006-02E4

Date of issue: 2023-09-06

Applicant: Shenzhen Binary Technology Co., Ltd.

Product: Car Multimedia Player

Model(s): 12-22ES,13-21IS/RC, 15-21NX

FCC ID: 2BCC5-22ES

Shenzhen Microtest Co., Ltd.

<http://www.mtitest.com>

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Instructions

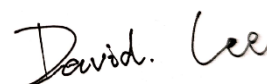
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Test Result Certification	
Applicant:	Shenzhen Binary Technology Co., Ltd.
Address:	Room 1203-1205, No.5, Xiangzhao Building Longping Community, Dalang subdistrict, Longhua District, Shenzhen City
Manufacturer:	Longhua Branch of Shenzhen Binary Technology Co., Ltd.
Address:	Room 401, Floor 4, No.1 building, Guanghui Technology Park, Mingqing Road, Fukang Community, Longhua District, Shenzhen City
Product description	
Product name:	Car Multimedia Player
Trademark:	BINARYTEK
Model name:	12-22ES
Series Model:	13-21IS/RC, 15-21NX
Standards:	FCC CFR 47 Part 22H FCC CFR 47 Part 24E FCC CFR 47 Part 27
Test method:	ANSI C63.26:2015 ANSI/TIA-603-E-2016 KDB 971168 D01 Power Meas License Digital Systems v03r01
Date of Test	
Date of test:	2023-07-10 ~ 2023-09-05
Test result:	Pass

Test Engineer :



(David Lee)

Reviewed By :



(Leon Chen)

Approved By :



(Tom Xue)

1 General Description

1.1 Description of the EUT

Product name:	Car Multimedia Player
Model name:	12-22ES
Series Model:	13-21IS/RC, 15-21NX
Model difference:	all the models are electrical identical including the same software parameter and hardware design (i.e., circuit design, PCB Layout, RF module/circuit, antenna type(s) , components on PCB, etc.), the differences are the appearance, internal mechanical structure and design (such as antenna locaiton) and fixture.
Electrical rating:	Input: DC 12V/1A
Hardware version:	V1
Software version:	V1
Accessories:	N/A
Test sample(s) number:	MTi230418006-02S1001(12-22ES) MTi230418006-02S1002(13-21IS/RC) MTi230418006-02S1003(15-21NX)
RF specification:	
Operation frequency:	LTE FDD Band 2: 1850.7 – 1909.3MHz LTE FDD Band 4: 1710.7 – 1754.3MHz LTE FDD Band 5: 824.7 – 848.3MHz LTE FDD Band 7: 2502.5 – 2567.5MHz LTE FDD Band 13: 779.5 – 784.5MHz LTE FDD Band 17: 706.5 - 713.5 MHz LTE TDD Band 41: 2498.5 – 2687.5MHz
Modulation type:	QPSK,16QAM
Antenna type:	PIFA Antenna
Antenna gain:	LTE FDD Band 2 Gain: 1.60dBi LTE FDD Band 4 Gain: 3.60dBi LTE FDD Band 5 Gain: 1.24dBi LTE FDD Band 7 Gain: 0.53dBi LTE FDD Band 13 Gain: 0.51dBi LTE FDD Band 17 Gain: 1.59dBi LTE TDD Band 41 Gain: 0.77dBi
Max. peak conducted output power:	24.34 dBm

1.2 Description of test modes

1.2.1 Operation channel list

LTE Band	Channel	Channel Bandwidth (MHz)	Channel No.	Frequency (MHz)
LTE Band 2	Low	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Middle	1.4/3/5/10/15/20	18900	1880
	High	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900
LTE Band 4	Low	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Middle	1.4/3/5/10/15/20	20175	1732.5
	High	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745

LTE Band 5	Low	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Middle	1.4/3/5/10	20525	836.5
	High	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844
LTE Band 7	Low	5	20775	2502.5
		10	20800	2505
		15	20825	2507.5
		20	20850	2510
	Middle	5/10/15/20	21100	2535
	High	5	21425	2567.5
		10	21400	2565
		15	21375	2562.5
		20	21350	2560
LTE Band 13	Low	5	23205	779.5
		10	23230	782
	Middle	5/10	23230	782
	High	5	23255	784.5
		10	23230	782
LTE Band 17	Low	5	23755	706.5
		10	23780	709
	Middle	5/10	23790	710
	High	5	23825	713.5
		10	23800	711

LTE Band 41	Low	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Middle	5/10/15/20	40620	2593
	High	5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680

1.2.2 EUT operation mode

LTE band 2	Keep the EUT in data communicating mode on LTE band2. (LTE band2(1.4MHz), LTE band2(3MHz), LTE band2(5MHz), LTE band2(10MHz), band2(15MHz), band2(20MHz)
LTE band 4	Keep the EUT in data communicating mode on LTE band4. (LTE band4(1.4MHz), LTE band4(3MHz), LTE band4(5MHz), LTE band4(10MHz), band4(15MHz), band4(20MHz)
LTE band 5	Keep the EUT in data communicating mode on LTE band5. (LTE band5(1.4MHz), LTE band5(3MHz), LTE band5(5MHz), LTE band5(10MHz)
LTE band 7	Keep the EUT in data communicating mode on LTE band7. (LTE band7(5MHz), LTE band7(10MHz), LTE band7(15MHz), LTE band7(20MHz)
LTE band 13	Keep the EUT in data communicating mode on LTE band13. (LTE band13(5MHz), LTE band13(10MHz)
LTE band 17	Keep the EUT in data communicating mode on LTE band17. (LTE band17(5MHz), LTE band17(10MHz)
LTE band 41	Keep the EUT in data communicating mode on LTE band41. (LTE band 41(5MHz), LTE band 41(10MHz),LTE band 41(15MHz), LTE band 41(20MHz)
Note: Only the worst case data were shown in the report.	

1.2.3 Description of support units

Support equipment list			
Description	Model	Serial No.	Manufacturer
Accumulator	6-QW-45(370)-L	/	Camel Group Co., Ltd.

1.3 Measurement uncertainty

Parameter	Measurement uncertainty
Occupied Bandwidth	$\pm 3 \%$
Conducted RF output power	$\pm 0.16 \text{ dB}$
Conducted spurious emissions	$\pm 0.21 \text{ dB}$
Radiated emission (9 kHz ~ 30 MHz)	$\pm 4.0 \text{ dB}$
Radiated emission (30 MHz~1 GHz)	$\pm 4.2 \text{ dB}$
Radiated emission (above 1 GHz)	$\pm 4.3 \text{ dB}$
Frequency Stability	$\pm 1 \text{ ppm}$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

2 Summary of Test Result

No.	FCC reference	Description of test	Result
1	part2.1046 Part 22.913(a)(2) Part 24.232(c) Part 27.50 (c)(10) Part 27.50 (d)(4) Part 27.50 (h)(2)	RF Output Power	Pass
2	Part 22.913(a) Part 24.232(c) Part 27.50(h)(2) Part 27.50(b)(10) Part 27.50(c)(10) Part 27.50(d)(4) Part 27.50(a)(3)	Radiated Power (ERP/EIRP)	Pass
3	Part 22.913(a) Part 24.232(c) Part 27.50(d)(5)	Peak-to-Average Ratio	Pass
4	Part 2.1049 Part 22.917(b) Part 24.238(b) Part 27.53(g) Part 27.53(h) Part 27.53(m)	99% and -26 dB Occupied Bandwidth	Pass
5	part 2.1051 part 22.917(a); part 24.238(a) part 27.53 (g)(h)	Spurious emissions at antenna terminals	Pass
6	part 2.1051 part 22.917(b); part 24.238(b) part 27.53(c)(2)(4) part 27.53(g) part 27.53(h)	Band edge at antenna terminals	Pass
7	Part 2.1053 Part 22.917(a) Part 24.238(a) Part 27.53 (g) Part 27.53 (h) Part 27.53(m)	Field strength of spurious radiation measurement	Pass
8	Part 22.355 Part 24.235 Part 27.54 Part 2.1055(a)(1)(b) Part 2.1055(d)(2)	Frequency Stability for Temperature & Voltage	Pass

Note: N/A means not applicable.

3 Test Facilities and Accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573

4 Equipment List

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
MTi-E043	EMI test receiver	R&S	ESCI7	101166	2023/04/26	2024/04/25
MTi-E023	Artificial mains network	Schwarzbeck	NSLK8127	183	2023/05/04	2024/05/03
MTi-E044	Broadband antenna	Schwarzbeck	VULB9163	9163-1338	2021/05/30	2024/05/29
MTi-E047	Pre-amplifier	Hewlett-Packard	8447F	3113A06184	2023/04/26	2024/04/25
MTi-E046	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00044	2021/05/30	2024/05/29
MTi-E089	ESG Vector Signal Generator	Agilent	N5182A	MY49060455	2023/04/25	2024/04/24
MTi-E045	Horn antenna	Schwarzbeck	BBHA9120D	2278	2021/05/30	2024/05/29
MTi-E048	Pre-amplifier	Agilent	8449B	3008A01120	2023/05/04	2024/05/03
MTi-E062	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2023/04/25	2024/04/24
MTi-E058	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2023/04/25	2024/04/24
MTi-E066	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2023/04/26	2024/04/25
MTi-E064	Synthesized Sweeper	Agilent	83752A	3610A01957	2023/04/25	2024/04/24
MTi-E065	DC Power Supply	Agilent	E3632A	MY40027695	2023/05/04	2024/05/03
MTi-E022	Pulse Limiter	Schwarzbeck	VSTD 9561-F	00679	2022/08/24	2023/08/23
MTi-E072	Thermometer Clock Humidity Monitor	-	HTC-1	/	2023/05/05	2024/05/04
MTi-E057	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2023/04/26	2024/04/25
MTi-E010S	EMI Measurement Software	Farad	EZ-EMC Ver. EMEC-3A1	/	/	/
MTi-E014S	RF Test System	Tonscend	TS®JS1120 V2.6.88.0330	/	/	/

5 Test Result

5.1 RF output power

5.1.1 Limit

1) For FCC Part 22.913(a)(2):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

2) For FCC Part 24.232(c):

The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

3) For FCC Part 27.50(d):

The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watt.

4) For FCC Part 27.50(c):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 3 Watts.

5) For FCC Part 27.50(a)(3):

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

6) For FCC 22.913:

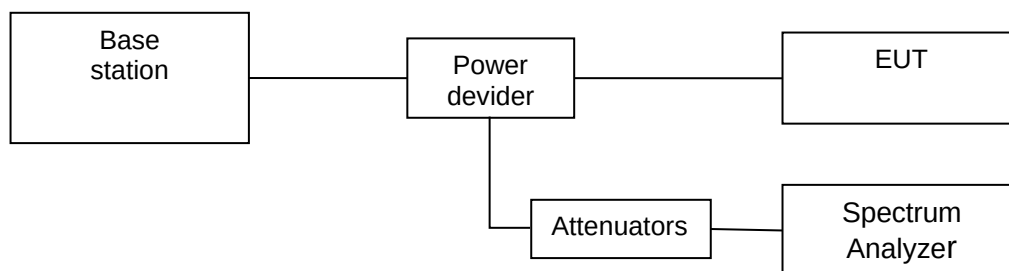
The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

7) For FCC 24.234: Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

5.1.2 Test procedure

- 1) The EUT's RF output port was connected to base station.
- 2) A call is set up by the SS according to the generic call set up procedure.
- 3) Set EUT at maximum power level through base station by power level command.
- 4) Measure the maximum output power of EUT at each frequency band and mode by base station.
- 5) The EUT was set up for the max output power with pseudo random data modulation.
- 6) These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.

5.1.3 Test setup



5.1.4 Test results

Note: see the Appendix A of Appendix for LTE.

5.2 Effective (Isotropic) Radiated Power Output Data (ERP/EIRP)

5.2.1 Limit

- 1) 22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
- 2) 27.50 (c) (10) the following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band, the portable stations (hand-held devices) are limited to 3 watts ERP.
- 3) 27.50 (b)(10) Portable stations (hand-held devices) transmitting in the 746–757 MHz, 758–763 MHz, 776–793 MHz, and 805–806 MHz bands are limited to 3 watts ERP.
- 4) 27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.
- 5) 27.50(h) The following power limits shall apply in the BRS and EBS:
(2) Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.
- 6) 27.50(a)(3): For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.
- 7) For FCC 22.913: The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
- 8) For FCC 24.234: Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

5.2.2 Test procedure

- 9) According to the power tested in section 5.1, select the maximum power in each mode, and use the following formula to calculate the corresponding ERP/EIRP.

$$\text{EPR} = \text{conducted power} + \text{Antenna Gain} - 2.15$$

$$\text{EIPR} = \text{conducted power} + \text{Antenna Gain}$$

5.2.3 Test results

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	EIRP (dBm)	EIRP (W)
Band2	1.4MHz	QPSK	18607	1RB#0	23.93	1.60	25.53	0.3573
Band2	1.4MHz	QPSK	18607	1RB#2	24.02	1.60	25.62	0.3648
Band2	1.4MHz	QPSK	18607	1RB#5	23.96	1.60	25.56	0.3597
Band2	1.4MHz	QPSK	18607	3RB#0	23.99	1.60	25.59	0.3622
Band2	1.4MHz	QPSK	18607	3RB#1	23.96	1.60	25.56	0.3597
Band2	1.4MHz	QPSK	18607	3RB#3	23.93	1.60	25.53	0.3573
Band2	1.4MHz	QPSK	18607	6RB#0	22.99	1.60	24.59	0.2877
Band2	1.4MHz	QPSK	18900	1RB#0	23.90	1.60	25.50	0.3548
Band2	1.4MHz	QPSK	18900	1RB#2	23.95	1.60	25.55	0.3589
Band2	1.4MHz	QPSK	18900	1RB#5	23.90	1.60	25.50	0.3548
Band2	1.4MHz	QPSK	18900	3RB#0	23.89	1.60	25.49	0.3540
Band2	1.4MHz	QPSK	18900	3RB#1	23.91	1.60	25.51	0.3556
Band2	1.4MHz	QPSK	18900	3RB#3	23.94	1.60	25.54	0.3581
Band2	1.4MHz	QPSK	18900	6RB#0	22.87	1.60	24.47	0.2799
Band2	1.4MHz	QPSK	19193	1RB#0	24.18	1.60	25.78	0.3784
Band2	1.4MHz	QPSK	19193	1RB#2	24.27	1.60	25.87	0.3864
Band2	1.4MHz	QPSK	19193	1RB#5	24.21	1.60	25.81	0.3811
Band2	1.4MHz	QPSK	19193	3RB#0	24.18	1.60	25.78	0.3784
Band2	1.4MHz	QPSK	19193	3RB#1	24.20	1.60	25.80	0.3802
Band2	1.4MHz	QPSK	19193	3RB#3	24.19	1.60	25.79	0.3793
Band2	1.4MHz	QPSK	19193	6RB#0	23.17	1.60	24.77	0.2999
Band2	1.4MHz	16QAM	18607	1RB#0	23.22	1.60	24.82	0.3034
Band2	1.4MHz	16QAM	18607	1RB#2	23.24	1.60	24.84	0.3048
Band2	1.4MHz	16QAM	18607	1RB#5	23.20	1.60	24.80	0.3020
Band2	1.4MHz	16QAM	18607	3RB#0	23.01	1.60	24.61	0.2891
Band2	1.4MHz	16QAM	18607	3RB#1	22.96	1.60	24.56	0.2858
Band2	1.4MHz	16QAM	18607	3RB#3	22.92	1.60	24.52	0.2831
Band2	1.4MHz	16QAM	18607	6RB#0	22.08	1.60	23.68	0.2333
Band2	1.4MHz	16QAM	18900	1RB#0	23.10	1.60	24.70	0.2951
Band2	1.4MHz	16QAM	18900	1RB#2	23.20	1.60	24.80	0.3020
Band2	1.4MHz	16QAM	18900	1RB#5	23.14	1.60	24.74	0.2979
Band2	1.4MHz	16QAM	18900	3RB#0	22.90	1.60	24.50	0.2818
Band2	1.4MHz	16QAM	18900	3RB#1	22.92	1.60	24.52	0.2831
Band2	1.4MHz	16QAM	18900	3RB#3	22.95	1.60	24.55	0.2851
Band2	1.4MHz	16QAM	18900	6RB#0	21.93	1.60	23.53	0.2254
Band2	1.4MHz	16QAM	19193	1RB#0	23.17	1.60	24.77	0.2999
Band2	1.4MHz	16QAM	19193	1RB#2	23.24	1.60	24.84	0.3048

Band2	1.4MHz	16QAM	19193	1RB#5	23.17	1.60	24.77	0.2999
Band2	1.4MHz	16QAM	19193	3RB#0	23.15	1.60	24.75	0.2985
Band2	1.4MHz	16QAM	19193	3RB#1	23.13	1.60	24.73	0.2972
Band2	1.4MHz	16QAM	19193	3RB#3	23.10	1.60	24.70	0.2951
Band2	1.4MHz	16QAM	19193	6RB#0	22.29	1.60	23.89	0.2449
Band2	3MHz	QPSK	18615	1RB#0	23.99	1.60	25.59	0.3622
Band2	3MHz	QPSK	18615	1RB#8	23.97	1.60	25.57	0.3606
Band2	3MHz	QPSK	18615	1RB#14	24.05	1.60	25.65	0.3673
Band2	3MHz	QPSK	18615	8RB#0	23.01	1.60	24.61	0.2891
Band2	3MHz	QPSK	18615	8RB#4	22.88	1.60	24.48	0.2805
Band2	3MHz	QPSK	18615	8RB#7	22.94	1.60	24.54	0.2844
Band2	3MHz	QPSK	18615	15RB#0	22.93	1.60	24.53	0.2838
Band2	3MHz	QPSK	18900	1RB#0	23.95	1.60	25.55	0.3589
Band2	3MHz	QPSK	18900	1RB#8	23.94	1.60	25.54	0.3581
Band2	3MHz	QPSK	18900	1RB#14	23.95	1.60	25.55	0.3589
Band2	3MHz	QPSK	18900	8RB#0	22.97	1.60	24.57	0.2864
Band2	3MHz	QPSK	18900	8RB#4	22.99	1.60	24.59	0.2877
Band2	3MHz	QPSK	18900	8RB#7	22.97	1.60	24.57	0.2864
Band2	3MHz	QPSK	18900	15RB#0	22.93	1.60	24.53	0.2838
Band2	3MHz	QPSK	19185	1RB#0	24.11	1.60	25.71	0.3724
Band2	3MHz	QPSK	19185	1RB#8	24.14	1.60	25.74	0.3750
Band2	3MHz	QPSK	19185	1RB#14	24.15	1.60	25.75	0.3758
Band2	3MHz	QPSK	19185	8RB#0	23.18	1.60	24.78	0.3006
Band2	3MHz	QPSK	19185	8RB#4	23.19	1.60	24.79	0.3013
Band2	3MHz	QPSK	19185	8RB#7	23.17	1.60	24.77	0.2999
Band2	3MHz	QPSK	19185	15RB#0	23.25	1.60	24.85	0.3055
Band2	3MHz	16QAM	18615	1RB#0	23.24	1.60	24.84	0.3048
Band2	3MHz	16QAM	18615	1RB#8	23.28	1.60	24.88	0.3076
Band2	3MHz	16QAM	18615	1RB#14	23.21	1.60	24.81	0.3027
Band2	3MHz	16QAM	18615	8RB#0	22.02	1.60	23.62	0.2301
Band2	3MHz	16QAM	18615	8RB#4	22.01	1.60	23.61	0.2296
Band2	3MHz	16QAM	18615	8RB#7	22.03	1.60	23.63	0.2307
Band2	3MHz	16QAM	18615	15RB#0	21.94	1.60	23.54	0.2259
Band2	3MHz	16QAM	18900	1RB#0	22.91	1.60	24.51	0.2825
Band2	3MHz	16QAM	18900	1RB#8	22.96	1.60	24.56	0.2858
Band2	3MHz	16QAM	18900	1RB#14	22.98	1.60	24.58	0.2871
Band2	3MHz	16QAM	18900	8RB#0	22.03	1.60	23.63	0.2307
Band2	3MHz	16QAM	18900	8RB#4	22.06	1.60	23.66	0.2323
Band2	3MHz	16QAM	18900	8RB#7	22.10	1.60	23.70	0.2344
Band2	3MHz	16QAM	18900	15RB#0	21.98	1.60	23.58	0.2280
Band2	3MHz	16QAM	19185	1RB#0	23.36	1.60	24.96	0.3133

Band2	3MHz	16QAM	19185	1RB#8	23.46	1.60	25.06	0.3206
Band2	3MHz	16QAM	19185	1RB#14	23.44	1.60	25.04	0.3192
Band2	3MHz	16QAM	19185	8RB#0	22.32	1.60	23.92	0.2466
Band2	3MHz	16QAM	19185	8RB#4	22.30	1.60	23.90	0.2455
Band2	3MHz	16QAM	19185	8RB#7	22.35	1.60	23.95	0.2483
Band2	3MHz	16QAM	19185	15RB#0	22.30	1.60	23.90	0.2455
Band2	5MHz	QPSK	18625	1RB#0	23.99	1.60	25.59	0.3622
Band2	5MHz	QPSK	18625	1RB#12	24.06	1.60	25.66	0.3681
Band2	5MHz	QPSK	18625	1RB#24	23.97	1.60	25.57	0.3606
Band2	5MHz	QPSK	18625	12RB#0	22.93	1.60	24.53	0.2838
Band2	5MHz	QPSK	18625	12RB#6	22.92	1.60	24.52	0.2831
Band2	5MHz	QPSK	18625	12RB#13	22.94	1.60	24.54	0.2844
Band2	5MHz	QPSK	18625	25RB#0	22.93	1.60	24.53	0.2838
Band2	5MHz	QPSK	18900	1RB#0	23.96	1.60	25.56	0.3597
Band2	5MHz	QPSK	18900	1RB#12	24.08	1.60	25.68	0.3698
Band2	5MHz	QPSK	18900	1RB#24	23.98	1.60	25.58	0.3614
Band2	5MHz	QPSK	18900	12RB#0	22.94	1.60	24.54	0.2844
Band2	5MHz	QPSK	18900	12RB#6	22.98	1.60	24.58	0.2871
Band2	5MHz	QPSK	18900	12RB#13	22.96	1.60	24.56	0.2858
Band2	5MHz	QPSK	18900	25RB#0	22.88	1.60	24.48	0.2805
Band2	5MHz	QPSK	19175	1RB#0	24.11	1.60	25.71	0.3724
Band2	5MHz	QPSK	19175	1RB#12	24.34	1.60	25.94	0.3926
Band2	5MHz	QPSK	19175	1RB#24	24.26	1.60	25.86	0.3855
Band2	5MHz	QPSK	19175	12RB#0	23.12	1.60	24.72	0.2965
Band2	5MHz	QPSK	19175	12RB#6	23.15	1.60	24.75	0.2985
Band2	5MHz	QPSK	19175	12RB#13	23.19	1.60	24.79	0.3013
Band2	5MHz	QPSK	19175	25RB#0	23.16	1.60	24.76	0.2992
Band2	5MHz	16QAM	18625	1RB#0	23.02	1.60	24.62	0.2897
Band2	5MHz	16QAM	18625	1RB#12	23.16	1.60	24.76	0.2992
Band2	5MHz	16QAM	18625	1RB#24	23.10	1.60	24.70	0.2951
Band2	5MHz	16QAM	18625	12RB#0	21.98	1.60	23.58	0.2280
Band2	5MHz	16QAM	18625	12RB#6	22.02	1.60	23.62	0.2301
Band2	5MHz	16QAM	18625	12RB#13	21.99	1.60	23.59	0.2286
Band2	5MHz	16QAM	18625	25RB#0	21.95	1.60	23.55	0.2265
Band2	5MHz	16QAM	18900	1RB#0	23.26	1.60	24.86	0.3062
Band2	5MHz	16QAM	18900	1RB#12	23.36	1.60	24.96	0.3133
Band2	5MHz	16QAM	18900	1RB#24	23.32	1.60	24.92	0.3105
Band2	5MHz	16QAM	18900	12RB#0	22.08	1.60	23.68	0.2333
Band2	5MHz	16QAM	18900	12RB#6	22.10	1.60	23.70	0.2344
Band2	5MHz	16QAM	18900	12RB#13	22.10	1.60	23.70	0.2344
Band2	5MHz	16QAM	18900	25RB#0	21.99	1.60	23.59	0.2286

Band2	5MHz	16QAM	19175	1RB#0	23.22	1.60	24.82	0.3034
Band2	5MHz	16QAM	19175	1RB#12	23.42	1.60	25.02	0.3177
Band2	5MHz	16QAM	19175	1RB#24	23.41	1.60	25.01	0.3170
Band2	5MHz	16QAM	19175	12RB#0	22.23	1.60	23.83	0.2415
Band2	5MHz	16QAM	19175	12RB#6	22.26	1.60	23.86	0.2432
Band2	5MHz	16QAM	19175	12RB#13	22.36	1.60	23.96	0.2489
Band2	5MHz	16QAM	19175	25RB#0	22.31	1.60	23.91	0.2460
Band2	10MHz	QPSK	18650	1RB#0	24.01	1.60	25.61	0.3639
Band2	10MHz	QPSK	18650	1RB#24	24.09	1.60	25.69	0.3707
Band2	10MHz	QPSK	18650	1RB#49	24.02	1.60	25.62	0.3648
Band2	10MHz	QPSK	18650	25RB#0	23.09	1.60	24.69	0.2944
Band2	10MHz	QPSK	18650	25RB#12	23.06	1.60	24.66	0.2924
Band2	10MHz	QPSK	18650	25RB#25	23.11	1.60	24.71	0.2958
Band2	10MHz	QPSK	18650	50RB#0	23.13	1.60	24.73	0.2972
Band2	10MHz	QPSK	18900	1RB#0	23.98	1.60	25.58	0.3614
Band2	10MHz	QPSK	18900	1RB#24	24.08	1.60	25.68	0.3698
Band2	10MHz	QPSK	18900	1RB#49	24.04	1.60	25.64	0.3664
Band2	10MHz	QPSK	18900	25RB#0	23.07	1.60	24.67	0.2931
Band2	10MHz	QPSK	18900	25RB#12	23.07	1.60	24.67	0.2931
Band2	10MHz	QPSK	18900	25RB#25	23.14	1.60	24.74	0.2979
Band2	10MHz	QPSK	18900	50RB#0	23.08	1.60	24.68	0.2938
Band2	10MHz	QPSK	19150	1RB#0	23.85	1.60	25.45	0.3508
Band2	10MHz	QPSK	19150	1RB#24	24.15	1.60	25.75	0.3758
Band2	10MHz	QPSK	19150	1RB#49	24.32	1.60	25.92	0.3908
Band2	10MHz	QPSK	19150	25RB#0	22.95	1.60	24.55	0.2851
Band2	10MHz	QPSK	19150	25RB#12	22.91	1.60	24.51	0.2825
Band2	10MHz	QPSK	19150	25RB#25	23.26	1.60	24.86	0.3062
Band2	10MHz	QPSK	19150	50RB#0	23.03	1.60	24.63	0.2904
Band2	10MHz	16QAM	18650	1RB#0	23.33	1.60	24.93	0.3112
Band2	10MHz	16QAM	18650	1RB#24	23.35	1.60	24.95	0.3126
Band2	10MHz	16QAM	18650	1RB#49	23.30	1.60	24.90	0.3090
Band2	10MHz	16QAM	18650	25RB#0	22.16	1.60	23.76	0.2377
Band2	10MHz	16QAM	18650	25RB#12	22.21	1.60	23.81	0.2404
Band2	10MHz	16QAM	18650	25RB#25	22.22	1.60	23.82	0.2410
Band2	10MHz	16QAM	18650	50RB#0	22.15	1.60	23.75	0.2371
Band2	10MHz	16QAM	18900	1RB#0	23.26	1.60	24.86	0.3062
Band2	10MHz	16QAM	18900	1RB#24	23.34	1.60	24.94	0.3119
Band2	10MHz	16QAM	18900	1RB#49	23.22	1.60	24.82	0.3034
Band2	10MHz	16QAM	18900	25RB#0	22.14	1.60	23.74	0.2366
Band2	10MHz	16QAM	18900	25RB#12	22.20	1.60	23.80	0.2399
Band2	10MHz	16QAM	18900	25RB#25	22.16	1.60	23.76	0.2377

Band2	10MHz	16QAM	18900	50RB#0	22.23	1.60	23.83	0.2415
Band2	10MHz	16QAM	19150	1RB#0	22.81	1.60	24.41	0.2761
Band2	10MHz	16QAM	19150	1RB#24	23.15	1.60	24.75	0.2985
Band2	10MHz	16QAM	19150	1RB#49	23.29	1.60	24.89	0.3083
Band2	10MHz	16QAM	19150	25RB#0	22.13	1.60	23.73	0.2360
Band2	10MHz	16QAM	19150	25RB#12	22.08	1.60	23.68	0.2333
Band2	10MHz	16QAM	19150	25RB#25	22.36	1.60	23.96	0.2489
Band2	10MHz	16QAM	19150	50RB#0	22.12	1.60	23.72	0.2355
Band2	15MHz	QPSK	18675	1RB#0	24.00	1.60	25.60	0.3631
Band2	15MHz	QPSK	18675	1RB#38	24.09	1.60	25.69	0.3707
Band2	15MHz	QPSK	18675	1RB#74	24.02	1.60	25.62	0.3648
Band2	15MHz	QPSK	18675	38RB#0	23.09	1.60	24.69	0.2944
Band2	15MHz	QPSK	18675	38RB#18	23.08	1.60	24.68	0.2938
Band2	15MHz	QPSK	18675	38RB#37	23.07	1.60	24.67	0.2931
Band2	15MHz	QPSK	18675	75RB#0	23.06	1.60	24.66	0.2924
Band2	15MHz	QPSK	18900	1RB#0	23.99	1.60	25.59	0.3622
Band2	15MHz	QPSK	18900	1RB#38	24.05	1.60	25.65	0.3673
Band2	15MHz	QPSK	18900	1RB#74	23.96	1.60	25.56	0.3597
Band2	15MHz	QPSK	18900	38RB#0	23.06	1.60	24.66	0.2924
Band2	15MHz	QPSK	18900	38RB#18	23.05	1.60	24.65	0.2917
Band2	15MHz	QPSK	18900	38RB#37	23.04	1.60	24.64	0.2911
Band2	15MHz	QPSK	18900	75RB#0	23.09	1.60	24.69	0.2944
Band2	15MHz	QPSK	19125	1RB#0	23.70	1.60	25.30	0.3388
Band2	15MHz	QPSK	19125	1RB#38	23.93	1.60	25.53	0.3573
Band2	15MHz	QPSK	19125	1RB#74	24.17	1.60	25.77	0.3776
Band2	15MHz	QPSK	19125	38RB#0	22.86	1.60	24.46	0.2793
Band2	15MHz	QPSK	19125	38RB#18	22.87	1.60	24.47	0.2799
Band2	15MHz	QPSK	19125	38RB#37	22.99	1.60	24.59	0.2877
Band2	15MHz	QPSK	19125	75RB#0	22.86	1.60	24.46	0.2793
Band2	15MHz	16QAM	18675	1RB#0	23.48	1.60	25.08	0.3221
Band2	15MHz	16QAM	18675	1RB#38	23.43	1.60	25.03	0.3184
Band2	15MHz	16QAM	18675	1RB#74	23.45	1.60	25.05	0.3199
Band2	15MHz	16QAM	18675	38RB#0	23.08	1.60	24.68	0.2938
Band2	15MHz	16QAM	18675	38RB#18	23.07	1.60	24.67	0.2931
Band2	15MHz	16QAM	18675	38RB#37	23.07	1.60	24.67	0.2931
Band2	15MHz	16QAM	18675	75RB#0	22.23	1.60	23.83	0.2415
Band2	15MHz	16QAM	18900	1RB#0	23.04	1.60	24.64	0.2911
Band2	15MHz	16QAM	18900	1RB#38	23.06	1.60	24.66	0.2924
Band2	15MHz	16QAM	18900	1RB#74	22.94	1.60	24.54	0.2844
Band2	15MHz	16QAM	18900	38RB#0	22.98	1.60	24.58	0.2871
Band2	15MHz	16QAM	18900	38RB#18	23.09	1.60	24.69	0.2944

Band2	15MHz	16QAM	18900	38RB#37	23.09	1.60	24.69	0.2944
Band2	15MHz	16QAM	18900	75RB#0	22.16	1.60	23.76	0.2377
Band2	15MHz	16QAM	19125	1RB#0	23.01	1.60	24.61	0.2891
Band2	15MHz	16QAM	19125	1RB#38	23.26	1.60	24.86	0.3062
Band2	15MHz	16QAM	19125	1RB#74	23.49	1.60	25.09	0.3228
Band2	15MHz	16QAM	19125	38RB#0	22.87	1.60	24.47	0.2799
Band2	15MHz	16QAM	19125	38RB#18	22.87	1.60	24.47	0.2799
Band2	15MHz	16QAM	19125	38RB#37	22.86	1.60	24.46	0.2793
Band2	15MHz	16QAM	19125	75RB#0	22.05	1.60	23.65	0.2317
Band2	20MHz	QPSK	18700	1RB#0	23.93	1.60	25.53	0.3573
Band2	20MHz	QPSK	18700	1RB#49	24.02	1.60	25.62	0.3648
Band2	20MHz	QPSK	18700	1RB#99	24.02	1.60	25.62	0.3648
Band2	20MHz	QPSK	18700	50RB#0	22.96	1.60	24.56	0.2858
Band2	20MHz	QPSK	18700	50RB#25	22.98	1.60	24.58	0.2871
Band2	20MHz	QPSK	18700	50RB#50	22.97	1.60	24.57	0.2864
Band2	20MHz	QPSK	18700	100RB#0	22.98	1.60	24.58	0.2871
Band2	20MHz	QPSK	18900	1RB#0	23.98	1.60	25.58	0.3614
Band2	20MHz	QPSK	18900	1RB#49	24.08	1.60	25.68	0.3698
Band2	20MHz	QPSK	18900	1RB#99	24.04	1.60	25.64	0.3664
Band2	20MHz	QPSK	18900	50RB#0	23.02	1.60	24.62	0.2897
Band2	20MHz	QPSK	18900	50RB#25	23.01	1.60	24.61	0.2891
Band2	20MHz	QPSK	18900	50RB#50	23.07	1.60	24.67	0.2931
Band2	20MHz	QPSK	18900	100RB#0	23.08	1.60	24.68	0.2938
Band2	20MHz	QPSK	19100	1RB#0	23.72	1.60	25.32	0.3404
Band2	20MHz	QPSK	19100	1RB#49	23.66	1.60	25.26	0.3357
Band2	20MHz	QPSK	19100	1RB#99	24.11	1.60	25.71	0.3724
Band2	20MHz	QPSK	19100	50RB#0	22.75	1.60	24.35	0.2723
Band2	20MHz	QPSK	19100	50RB#25	22.77	1.60	24.37	0.2735
Band2	20MHz	QPSK	19100	50RB#50	22.92	1.60	24.52	0.2831
Band2	20MHz	QPSK	19100	100RB#0	22.85	1.60	24.45	0.2786
Band2	20MHz	16QAM	18700	1RB#0	23.13	1.60	24.73	0.2972
Band2	20MHz	16QAM	18700	1RB#49	23.15	1.60	24.75	0.2985
Band2	20MHz	16QAM	18700	1RB#99	23.12	1.60	24.72	0.2965
Band2	20MHz	16QAM	18700	50RB#0	22.10	1.60	23.70	0.2344
Band2	20MHz	16QAM	18700	50RB#25	22.11	1.60	23.71	0.2350
Band2	20MHz	16QAM	18700	50RB#50	22.09	1.60	23.69	0.2339
Band2	20MHz	16QAM	18700	100RB#0	22.09	1.60	23.69	0.2339
Band2	20MHz	16QAM	18900	1RB#0	23.24	1.60	24.84	0.3048
Band2	20MHz	16QAM	18900	1RB#49	23.34	1.60	24.94	0.3119
Band2	20MHz	16QAM	18900	1RB#99	23.28	1.60	24.88	0.3076
Band2	20MHz	16QAM	18900	50RB#0	22.16	1.60	23.76	0.2377

Band2	20MHz	16QAM	18900	50RB#25	22.16	1.60	23.76	0.2377
Band2	20MHz	16QAM	18900	50RB#50	22.07	1.60	23.67	0.2328
Band2	20MHz	16QAM	18900	100RB#0	22.08	1.60	23.68	0.2333
Band2	20MHz	16QAM	19100	1RB#0	22.97	1.60	24.57	0.2864
Band2	20MHz	16QAM	19100	1RB#49	22.91	1.60	24.51	0.2825
Band2	20MHz	16QAM	19100	1RB#99	23.35	1.60	24.95	0.3126
Band2	20MHz	16QAM	19100	50RB#0	21.91	1.60	23.51	0.2244
Band2	20MHz	16QAM	19100	50RB#25	21.90	1.60	23.50	0.2239
Band2	20MHz	16QAM	19100	50RB#50	22.08	1.60	23.68	0.2333
Band2	20MHz	16QAM	19100	100RB#0	21.98	1.60	23.58	0.2280

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	EIRP (dBm)	EIRP (W)
Band4	1.4MHz	QPSK	19957	1RB#0	22.45	3.60	26.05	0.4027
Band4	1.4MHz	QPSK	19957	1RB#2	22.51	3.60	26.11	0.4083
Band4	1.4MHz	QPSK	19957	1RB#5	22.49	3.60	26.09	0.4064
Band4	1.4MHz	QPSK	19957	3RB#0	22.41	3.60	26.01	0.3990
Band4	1.4MHz	QPSK	19957	3RB#1	22.44	3.60	26.04	0.4018
Band4	1.4MHz	QPSK	19957	3RB#3	22.44	3.60	26.04	0.4018
Band4	1.4MHz	QPSK	19957	6RB#0	21.46	3.60	25.06	0.3206
Band4	1.4MHz	QPSK	20175	1RB#0	22.56	3.60	26.16	0.4130
Band4	1.4MHz	QPSK	20175	1RB#2	22.61	3.60	26.21	0.4178
Band4	1.4MHz	QPSK	20175	1RB#5	22.55	3.60	26.15	0.4121
Band4	1.4MHz	QPSK	20175	3RB#0	22.56	3.60	26.16	0.4130
Band4	1.4MHz	QPSK	20175	3RB#1	22.58	3.60	26.18	0.4150
Band4	1.4MHz	QPSK	20175	3RB#3	22.59	3.60	26.19	0.4159
Band4	1.4MHz	QPSK	20175	6RB#0	21.57	3.60	25.17	0.3289
Band4	1.4MHz	QPSK	20393	1RB#0	22.78	3.60	26.38	0.4345
Band4	1.4MHz	QPSK	20393	1RB#2	22.82	3.60	26.42	0.4385
Band4	1.4MHz	QPSK	20393	1RB#5	22.77	3.60	26.37	0.4335
Band4	1.4MHz	QPSK	20393	3RB#0	22.83	3.60	26.43	0.4395
Band4	1.4MHz	QPSK	20393	3RB#1	22.86	3.60	26.46	0.4426
Band4	1.4MHz	QPSK	20393	3RB#3	22.77	3.60	26.37	0.4335
Band4	1.4MHz	QPSK	20393	6RB#0	21.82	3.60	25.42	0.3483
Band4	1.4MHz	16QAM	19957	1RB#0	21.67	3.60	25.27	0.3365
Band4	1.4MHz	16QAM	19957	1RB#2	21.79	3.60	25.39	0.3459
Band4	1.4MHz	16QAM	19957	1RB#5	21.70	3.60	25.30	0.3388
Band4	1.4MHz	16QAM	19957	3RB#0	21.45	3.60	25.05	0.3199
Band4	1.4MHz	16QAM	19957	3RB#1	21.44	3.60	25.04	0.3192
Band4	1.4MHz	16QAM	19957	3RB#3	21.48	3.60	25.08	0.3221
Band4	1.4MHz	16QAM	19957	6RB#0	20.46	3.60	24.06	0.2547
Band4	1.4MHz	16QAM	20175	1RB#0	21.80	3.60	25.40	0.3467
Band4	1.4MHz	16QAM	20175	1RB#2	21.85	3.60	25.45	0.3508
Band4	1.4MHz	16QAM	20175	1RB#5	21.74	3.60	25.34	0.3420
Band4	1.4MHz	16QAM	20175	3RB#0	21.54	3.60	25.14	0.3266
Band4	1.4MHz	16QAM	20175	3RB#1	21.57	3.60	25.17	0.3289
Band4	1.4MHz	16QAM	20175	3RB#3	21.52	3.60	25.12	0.3251
Band4	1.4MHz	16QAM	20175	6RB#0	20.67	3.60	24.27	0.2673
Band4	1.4MHz	16QAM	20393	1RB#0	22.01	3.60	25.61	0.3639
Band4	1.4MHz	16QAM	20393	1RB#2	22.08	3.60	25.68	0.3698
Band4	1.4MHz	16QAM	20393	1RB#5	22.01	3.60	25.61	0.3639
Band4	1.4MHz	16QAM	20393	3RB#0	21.84	3.60	25.44	0.3499

Band4	1.4MHz	16QAM	20393	3RB#1	21.85	3.60	25.45	0.3508
Band4	1.4MHz	16QAM	20393	3RB#3	21.81	3.60	25.41	0.3475
Band4	1.4MHz	16QAM	20393	6RB#0	20.79	3.60	24.39	0.2748
Band4	3MHz	QPSK	19965	1RB#0	22.47	3.60	26.07	0.4046
Band4	3MHz	QPSK	19965	1RB#8	22.47	3.60	26.07	0.4046
Band4	3MHz	QPSK	19965	1RB#14	22.48	3.60	26.08	0.4055
Band4	3MHz	QPSK	19965	8RB#0	21.51	3.60	25.11	0.3243
Band4	3MHz	QPSK	19965	8RB#4	21.53	3.60	25.13	0.3258
Band4	3MHz	QPSK	19965	8RB#7	21.49	3.60	25.09	0.3228
Band4	3MHz	QPSK	19965	15RB#0	21.55	3.60	25.15	0.3273
Band4	3MHz	QPSK	20175	1RB#0	22.63	3.60	26.23	0.4198
Band4	3MHz	QPSK	20175	1RB#8	22.64	3.60	26.24	0.4207
Band4	3MHz	QPSK	20175	1RB#14	22.62	3.60	26.22	0.4188
Band4	3MHz	QPSK	20175	8RB#0	21.64	3.60	25.24	0.3342
Band4	3MHz	QPSK	20175	8RB#4	21.64	3.60	25.24	0.3342
Band4	3MHz	QPSK	20175	8RB#7	21.57	3.60	25.17	0.3289
Band4	3MHz	QPSK	20175	15RB#0	21.68	3.60	25.28	0.3373
Band4	3MHz	QPSK	20385	1RB#0	22.95	3.60	26.55	0.4519
Band4	3MHz	QPSK	20385	1RB#8	22.86	3.60	26.46	0.4426
Band4	3MHz	QPSK	20385	1RB#14	22.83	3.60	26.43	0.4395
Band4	3MHz	QPSK	20385	8RB#0	21.95	3.60	25.55	0.3589
Band4	3MHz	QPSK	20385	8RB#4	21.97	3.60	25.57	0.3606
Band4	3MHz	QPSK	20385	8RB#7	21.90	3.60	25.50	0.3548
Band4	3MHz	QPSK	20385	15RB#0	21.94	3.60	25.54	0.3581
Band4	3MHz	16QAM	19965	1RB#0	21.73	3.60	25.33	0.3412
Band4	3MHz	16QAM	19965	1RB#8	21.78	3.60	25.38	0.3451
Band4	3MHz	16QAM	19965	1RB#14	21.71	3.60	25.31	0.3396
Band4	3MHz	16QAM	19965	8RB#0	20.67	3.60	24.27	0.2673
Band4	3MHz	16QAM	19965	8RB#4	20.69	3.60	24.29	0.2685
Band4	3MHz	16QAM	19965	8RB#7	20.62	3.60	24.22	0.2642
Band4	3MHz	16QAM	19965	15RB#0	20.62	3.60	24.22	0.2642
Band4	3MHz	16QAM	20175	1RB#0	21.87	3.60	25.47	0.3524
Band4	3MHz	16QAM	20175	1RB#8	21.88	3.60	25.48	0.3532
Band4	3MHz	16QAM	20175	1RB#14	21.80	3.60	25.40	0.3467
Band4	3MHz	16QAM	20175	8RB#0	20.73	3.60	24.33	0.2710
Band4	3MHz	16QAM	20175	8RB#4	20.73	3.60	24.33	0.2710
Band4	3MHz	16QAM	20175	8RB#7	20.75	3.60	24.35	0.2723
Band4	3MHz	16QAM	20175	15RB#0	20.71	3.60	24.31	0.2698
Band4	3MHz	16QAM	20385	1RB#0	21.91	3.60	25.51	0.3556
Band4	3MHz	16QAM	20385	1RB#8	21.88	3.60	25.48	0.3532
Band4	3MHz	16QAM	20385	1RB#14	21.80	3.60	25.40	0.3467

Band4	3MHz	16QAM	20385	8RB#0	21.06	3.60	24.66	0.2924
Band4	3MHz	16QAM	20385	8RB#4	21.06	3.60	24.66	0.2924
Band4	3MHz	16QAM	20385	8RB#7	20.97	3.60	24.57	0.2864
Band4	3MHz	16QAM	20385	15RB#0	20.98	3.60	24.58	0.2871
Band4	5MHz	QPSK	19975	1RB#0	22.54	3.60	26.14	0.4111
Band4	5MHz	QPSK	19975	1RB#12	22.70	3.60	26.30	0.4266
Band4	5MHz	QPSK	19975	1RB#24	22.59	3.60	26.19	0.4159
Band4	5MHz	QPSK	19975	12RB#0	21.60	3.60	25.20	0.3311
Band4	5MHz	QPSK	19975	12RB#6	21.57	3.60	25.17	0.3289
Band4	5MHz	QPSK	19975	12RB#13	21.55	3.60	25.15	0.3273
Band4	5MHz	QPSK	19975	25RB#0	21.60	3.60	25.20	0.3311
Band4	5MHz	QPSK	20175	1RB#0	22.70	3.60	26.30	0.4266
Band4	5MHz	QPSK	20175	1RB#12	22.76	3.60	26.36	0.4325
Band4	5MHz	QPSK	20175	1RB#24	22.62	3.60	26.22	0.4188
Band4	5MHz	QPSK	20175	12RB#0	21.69	3.60	25.29	0.3381
Band4	5MHz	QPSK	20175	12RB#6	21.70	3.60	25.30	0.3388
Band4	5MHz	QPSK	20175	12RB#13	21.65	3.60	25.25	0.3350
Band4	5MHz	QPSK	20175	25RB#0	21.65	3.60	25.25	0.3350
Band4	5MHz	QPSK	20375	1RB#0	22.95	3.60	26.55	0.4519
Band4	5MHz	QPSK	20375	1RB#12	22.98	3.60	26.58	0.4550
Band4	5MHz	QPSK	20375	1RB#24	22.82	3.60	26.42	0.4385
Band4	5MHz	QPSK	20375	12RB#0	21.98	3.60	25.58	0.3614
Band4	5MHz	QPSK	20375	12RB#6	21.94	3.60	25.54	0.3581
Band4	5MHz	QPSK	20375	12RB#13	21.89	3.60	25.49	0.3540
Band4	5MHz	QPSK	20375	25RB#0	21.98	3.60	25.58	0.3614
Band4	5MHz	16QAM	19975	1RB#0	21.84	3.60	25.44	0.3499
Band4	5MHz	16QAM	19975	1RB#12	21.93	3.60	25.53	0.3573
Band4	5MHz	16QAM	19975	1RB#24	21.82	3.60	25.42	0.3483
Band4	5MHz	16QAM	19975	12RB#0	20.71	3.60	24.31	0.2698
Band4	5MHz	16QAM	19975	12RB#6	20.70	3.60	24.30	0.2692
Band4	5MHz	16QAM	19975	12RB#13	20.69	3.60	24.29	0.2685
Band4	5MHz	16QAM	19975	25RB#0	20.64	3.60	24.24	0.2655
Band4	5MHz	16QAM	20175	1RB#0	21.77	3.60	25.37	0.3443
Band4	5MHz	16QAM	20175	1RB#12	21.88	3.60	25.48	0.3532
Band4	5MHz	16QAM	20175	1RB#24	21.79	3.60	25.39	0.3459
Band4	5MHz	16QAM	20175	12RB#0	20.78	3.60	24.38	0.2742
Band4	5MHz	16QAM	20175	12RB#6	20.81	3.60	24.41	0.2761
Band4	5MHz	16QAM	20175	12RB#13	20.79	3.60	24.39	0.2748
Band4	5MHz	16QAM	20175	25RB#0	20.78	3.60	24.38	0.2742
Band4	5MHz	16QAM	20375	1RB#0	22.03	3.60	25.63	0.3656
Band4	5MHz	16QAM	20375	1RB#12	22.20	3.60	25.80	0.3802

Band4	5MHz	16QAM	20375	1RB#24	22.02	3.60	25.62	0.3648
Band4	5MHz	16QAM	20375	12RB#0	21.03	3.60	24.63	0.2904
Band4	5MHz	16QAM	20375	12RB#6	21.06	3.60	24.66	0.2924
Band4	5MHz	16QAM	20375	12RB#13	20.99	3.60	24.59	0.2877
Band4	5MHz	16QAM	20375	25RB#0	21.08	3.60	24.68	0.2938
Band4	10MHz	QPSK	20000	1RB#0	22.29	3.60	25.89	0.3882
Band4	10MHz	QPSK	20000	1RB#24	22.28	3.60	25.88	0.3873
Band4	10MHz	QPSK	20000	1RB#49	22.26	3.60	25.86	0.3855
Band4	10MHz	QPSK	20000	25RB#0	21.40	3.60	25.00	0.3162
Band4	10MHz	QPSK	20000	25RB#12	21.36	3.60	24.96	0.3133
Band4	10MHz	QPSK	20000	25RB#25	21.37	3.60	24.97	0.3141
Band4	10MHz	QPSK	20000	50RB#0	21.40	3.60	25.00	0.3162
Band4	10MHz	QPSK	20175	1RB#0	22.49	3.60	26.09	0.4064
Band4	10MHz	QPSK	20175	1RB#24	22.60	3.60	26.20	0.4169
Band4	10MHz	QPSK	20175	1RB#49	22.59	3.60	26.19	0.4159
Band4	10MHz	QPSK	20175	25RB#0	21.69	3.60	25.29	0.3381
Band4	10MHz	QPSK	20175	25RB#12	21.67	3.60	25.27	0.3365
Band4	10MHz	QPSK	20175	25RB#25	21.74	3.60	25.34	0.3420
Band4	10MHz	QPSK	20175	50RB#0	21.68	3.60	25.28	0.3373
Band4	10MHz	QPSK	20350	1RB#0	22.56	3.60	26.16	0.4130
Band4	10MHz	QPSK	20350	1RB#24	22.64	3.60	26.24	0.4207
Band4	10MHz	QPSK	20350	1RB#49	22.56	3.60	26.16	0.4130
Band4	10MHz	QPSK	20350	25RB#0	21.68	3.60	25.28	0.3373
Band4	10MHz	QPSK	20350	25RB#12	21.70	3.60	25.30	0.3388
Band4	10MHz	QPSK	20350	25RB#25	21.76	3.60	25.36	0.3436
Band4	10MHz	QPSK	20350	50RB#0	21.65	3.60	25.25	0.3350
Band4	10MHz	16QAM	20000	1RB#0	21.85	3.60	25.45	0.3508
Band4	10MHz	16QAM	20000	1RB#24	21.87	3.60	25.47	0.3524
Band4	10MHz	16QAM	20000	1RB#49	21.85	3.60	25.45	0.3508
Band4	10MHz	16QAM	20000	25RB#0	20.74	3.60	24.34	0.2716
Band4	10MHz	16QAM	20000	25RB#12	20.71	3.60	24.31	0.2698
Band4	10MHz	16QAM	20000	25RB#25	20.72	3.60	24.32	0.2704
Band4	10MHz	16QAM	20000	50RB#0	20.74	3.60	24.34	0.2716
Band4	10MHz	16QAM	20175	1RB#0	21.90	3.60	25.50	0.3548
Band4	10MHz	16QAM	20175	1RB#24	21.92	3.60	25.52	0.3565
Band4	10MHz	16QAM	20175	1RB#49	21.87	3.60	25.47	0.3524
Band4	10MHz	16QAM	20175	25RB#0	20.81	3.60	24.41	0.2761
Band4	10MHz	16QAM	20175	25RB#12	20.75	3.60	24.35	0.2723
Band4	10MHz	16QAM	20175	25RB#25	20.83	3.60	24.43	0.2773
Band4	10MHz	16QAM	20175	50RB#0	20.79	3.60	24.39	0.2748
Band4	10MHz	16QAM	20350	1RB#0	21.76	3.60	25.36	0.3436

Band4	10MHz	16QAM	20350	1RB#24	21.95	3.60	25.55	0.3589
Band4	10MHz	16QAM	20350	1RB#49	21.89	3.60	25.49	0.3540
Band4	10MHz	16QAM	20350	25RB#0	21.00	3.60	24.60	0.2884
Band4	10MHz	16QAM	20350	25RB#12	21.01	3.60	24.61	0.2891
Band4	10MHz	16QAM	20350	25RB#25	21.09	3.60	24.69	0.2944
Band4	10MHz	16QAM	20350	50RB#0	21.03	3.60	24.63	0.2904
Band4	15MHz	QPSK	20025	1RB#0	22.49	3.60	26.09	0.4064
Band4	15MHz	QPSK	20025	1RB#38	22.62	3.60	26.22	0.4188
Band4	15MHz	QPSK	20025	1RB#74	22.37	3.60	25.97	0.3954
Band4	15MHz	QPSK	20025	38RB#0	21.61	3.60	25.21	0.3319
Band4	15MHz	QPSK	20025	38RB#18	21.61	3.60	25.21	0.3319
Band4	15MHz	QPSK	20025	38RB#37	21.61	3.60	25.21	0.3319
Band4	15MHz	QPSK	20025	75RB#0	21.57	3.60	25.17	0.3289
Band4	15MHz	QPSK	20175	1RB#0	22.60	3.60	26.20	0.4169
Band4	15MHz	QPSK	20175	1RB#38	22.61	3.60	26.21	0.4178
Band4	15MHz	QPSK	20175	1RB#74	22.54	3.60	26.14	0.4111
Band4	15MHz	QPSK	20175	38RB#0	21.76	3.60	25.36	0.3436
Band4	15MHz	QPSK	20175	38RB#18	21.67	3.60	25.27	0.3365
Band4	15MHz	QPSK	20175	38RB#37	21.76	3.60	25.36	0.3436
Band4	15MHz	QPSK	20175	75RB#0	21.67	3.60	25.27	0.3365
Band4	15MHz	QPSK	20325	1RB#0	22.62	3.60	26.22	0.4188
Band4	15MHz	QPSK	20325	1RB#38	22.84	3.60	26.44	0.4406
Band4	15MHz	QPSK	20325	1RB#74	22.87	3.60	26.47	0.4436
Band4	15MHz	QPSK	20325	38RB#0	21.86	3.60	25.46	0.3516
Band4	15MHz	QPSK	20325	38RB#18	21.88	3.60	25.48	0.3532
Band4	15MHz	QPSK	20325	38RB#37	22.07	3.60	25.67	0.3690
Band4	15MHz	QPSK	20325	75RB#0	21.79	3.60	25.39	0.3459
Band4	15MHz	16QAM	20025	1RB#0	21.84	3.60	25.44	0.3499
Band4	15MHz	16QAM	20025	1RB#38	21.83	3.60	25.43	0.3491
Band4	15MHz	16QAM	20025	1RB#74	21.63	3.60	25.23	0.3334
Band4	15MHz	16QAM	20025	38RB#0	21.54	3.60	25.14	0.3266
Band4	15MHz	16QAM	20025	38RB#18	21.57	3.60	25.17	0.3289
Band4	15MHz	16QAM	20025	38RB#37	21.62	3.60	25.22	0.3327
Band4	15MHz	16QAM	20025	75RB#0	20.67	3.60	24.27	0.2673
Band4	15MHz	16QAM	20175	1RB#0	22.02	3.60	25.62	0.3648
Band4	15MHz	16QAM	20175	1RB#38	22.04	3.60	25.64	0.3664
Band4	15MHz	16QAM	20175	1RB#74	21.91	3.60	25.51	0.3556
Band4	15MHz	16QAM	20175	38RB#0	21.67	3.60	25.27	0.3365
Band4	15MHz	16QAM	20175	38RB#18	21.76	3.60	25.36	0.3436
Band4	15MHz	16QAM	20175	38RB#37	21.69	3.60	25.29	0.3381
Band4	15MHz	16QAM	20175	75RB#0	20.84	3.60	24.44	0.2780

Band4	15MHz	16QAM	20325	1RB#0	21.61	3.60	25.21	0.3319
Band4	15MHz	16QAM	20325	1RB#38	21.84	3.60	25.44	0.3499
Band4	15MHz	16QAM	20325	1RB#74	21.85	3.60	25.45	0.3508
Band4	15MHz	16QAM	20325	38RB#0	21.83	3.60	25.43	0.3491
Band4	15MHz	16QAM	20325	38RB#18	21.80	3.60	25.40	0.3467
Band4	15MHz	16QAM	20325	38RB#37	21.85	3.60	25.45	0.3508
Band4	15MHz	16QAM	20325	75RB#0	20.96	3.60	24.56	0.2858
Band4	20MHz	QPSK	20050	1RB#0	22.56	3.60	26.16	0.4130
Band4	20MHz	QPSK	20050	1RB#49	22.58	3.60	26.18	0.4150
Band4	20MHz	QPSK	20050	1RB#99	22.51	3.60	26.11	0.4083
Band4	20MHz	QPSK	20050	50RB#0	21.66	3.60	25.26	0.3357
Band4	20MHz	QPSK	20050	50RB#25	21.61	3.60	25.21	0.3319
Band4	20MHz	QPSK	20050	50RB#50	21.58	3.60	25.18	0.3296
Band4	20MHz	QPSK	20050	100RB#0	21.58	3.60	25.18	0.3296
Band4	20MHz	QPSK	20175	1RB#0	22.62	3.60	26.22	0.4188
Band4	20MHz	QPSK	20175	1RB#49	22.76	3.60	26.36	0.4325
Band4	20MHz	QPSK	20175	1RB#99	22.64	3.60	26.24	0.4207
Band4	20MHz	QPSK	20175	50RB#0	21.69	3.60	25.29	0.3381
Band4	20MHz	QPSK	20175	50RB#25	21.63	3.60	25.23	0.3334
Band4	20MHz	QPSK	20175	50RB#50	21.66	3.60	25.26	0.3357
Band4	20MHz	QPSK	20175	100RB#0	21.68	3.60	25.28	0.3373
Band4	20MHz	QPSK	20300	1RB#0	22.49	3.60	26.09	0.4064
Band4	20MHz	QPSK	20300	1RB#49	22.65	3.60	26.25	0.4217
Band4	20MHz	QPSK	20300	1RB#99	22.77	3.60	26.37	0.4335
Band4	20MHz	QPSK	20300	50RB#0	21.68	3.60	25.28	0.3373
Band4	20MHz	QPSK	20300	50RB#25	21.72	3.60	25.32	0.3404
Band4	20MHz	QPSK	20300	50RB#50	21.97	3.60	25.57	0.3606
Band4	20MHz	QPSK	20300	100RB#0	21.85	3.60	25.45	0.3508
Band4	20MHz	16QAM	20050	1RB#0	21.76	3.60	25.36	0.3436
Band4	20MHz	16QAM	20050	1RB#49	21.75	3.60	25.35	0.3428
Band4	20MHz	16QAM	20050	1RB#99	21.60	3.60	25.20	0.3311
Band4	20MHz	16QAM	20050	50RB#0	20.70	3.60	24.30	0.2692
Band4	20MHz	16QAM	20050	50RB#25	20.71	3.60	24.31	0.2698
Band4	20MHz	16QAM	20050	50RB#50	20.62	3.60	24.22	0.2642
Band4	20MHz	16QAM	20050	100RB#0	20.62	3.60	24.22	0.2642
Band4	20MHz	16QAM	20175	1RB#0	21.80	3.60	25.40	0.3467
Band4	20MHz	16QAM	20175	1RB#49	21.95	3.60	25.55	0.3589
Band4	20MHz	16QAM	20175	1RB#99	21.93	3.60	25.53	0.3573
Band4	20MHz	16QAM	20175	50RB#0	20.79	3.60	24.39	0.2748
Band4	20MHz	16QAM	20175	50RB#25	20.70	3.60	24.30	0.2692
Band4	20MHz	16QAM	20175	50RB#50	20.76	3.60	24.36	0.2729

Band4	20MHz	16QAM	20175	100RB#0	20.79	3.60	24.39	0.2748
Band4	20MHz	16QAM	20300	1RB#0	21.75	3.60	25.35	0.3428
Band4	20MHz	16QAM	20300	1RB#49	21.89	3.60	25.49	0.3540
Band4	20MHz	16QAM	20300	1RB#99	21.96	3.60	25.56	0.3597
Band4	20MHz	16QAM	20300	50RB#0	20.79	3.60	24.39	0.2748
Band4	20MHz	16QAM	20300	50RB#25	20.79	3.60	24.39	0.2748
Band4	20MHz	16QAM	20300	50RB#50	21.01	3.60	24.61	0.2891
Band4	20MHz	16QAM	20300	100RB#0	20.85	3.60	24.45	0.2786

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	ERP (W)
Band5	1.4MHz	QPSK	20407	1RB#0	22.33	1.24	2.15	21.42	0.1387
Band5	1.4MHz	QPSK	20407	1RB#2	22.36	1.24	2.15	21.45	0.1396
Band5	1.4MHz	QPSK	20407	1RB#5	22.25	1.24	2.15	21.34	0.1361
Band5	1.4MHz	QPSK	20407	3RB#0	22.32	1.24	2.15	21.41	0.1384
Band5	1.4MHz	QPSK	20407	3RB#1	22.32	1.24	2.15	21.41	0.1384
Band5	1.4MHz	QPSK	20407	3RB#3	22.31	1.24	2.15	21.40	0.1380
Band5	1.4MHz	QPSK	20407	6RB#0	21.26	1.24	2.15	20.35	0.1084
Band5	1.4MHz	QPSK	20525	1RB#0	22.46	1.24	2.15	21.55	0.1429
Band5	1.4MHz	QPSK	20525	1RB#2	22.47	1.24	2.15	21.56	0.1432
Band5	1.4MHz	QPSK	20525	1RB#5	22.43	1.24	2.15	21.52	0.1419
Band5	1.4MHz	QPSK	20525	3RB#0	22.46	1.24	2.15	21.55	0.1429
Band5	1.4MHz	QPSK	20525	3RB#1	22.47	1.24	2.15	21.56	0.1432
Band5	1.4MHz	QPSK	20525	3RB#3	22.47	1.24	2.15	21.56	0.1432
Band5	1.4MHz	QPSK	20525	6RB#0	21.49	1.24	2.15	20.58	0.1143
Band5	1.4MHz	QPSK	20643	1RB#0	23.19	1.24	2.15	22.28	0.1690
Band5	1.4MHz	QPSK	20643	1RB#2	23.15	1.24	2.15	22.24	0.1675
Band5	1.4MHz	QPSK	20643	1RB#5	23.22	1.24	2.15	22.31	0.1702
Band5	1.4MHz	QPSK	20643	3RB#0	23.14	1.24	2.15	22.23	0.1671
Band5	1.4MHz	QPSK	20643	3RB#1	23.19	1.24	2.15	22.28	0.1690
Band5	1.4MHz	QPSK	20643	3RB#3	23.19	1.24	2.15	22.28	0.1690
Band5	1.4MHz	QPSK	20643	6RB#0	22.06	1.24	2.15	21.15	0.1303
Band5	1.4MHz	16QAM	20407	1RB#0	21.52	1.24	2.15	20.61	0.1151
Band5	1.4MHz	16QAM	20407	1RB#2	21.57	1.24	2.15	20.66	0.1164
Band5	1.4MHz	16QAM	20407	1RB#5	21.51	1.24	2.15	20.60	0.1148
Band5	1.4MHz	16QAM	20407	3RB#0	21.38	1.24	2.15	20.47	0.1114
Band5	1.4MHz	16QAM	20407	3RB#1	21.36	1.24	2.15	20.45	0.1109
Band5	1.4MHz	16QAM	20407	3RB#3	21.39	1.24	2.15	20.48	0.1117
Band5	1.4MHz	16QAM	20407	6RB#0	20.24	1.24	2.15	19.33	0.0857
Band5	1.4MHz	16QAM	20525	1RB#0	21.68	1.24	2.15	20.77	0.1194
Band5	1.4MHz	16QAM	20525	1RB#2	21.78	1.24	2.15	20.87	0.1222
Band5	1.4MHz	16QAM	20525	1RB#5	21.67	1.24	2.15	20.76	0.1191
Band5	1.4MHz	16QAM	20525	3RB#0	21.50	1.24	2.15	20.59	0.1146
Band5	1.4MHz	16QAM	20525	3RB#1	21.51	1.24	2.15	20.60	0.1148
Band5	1.4MHz	16QAM	20525	3RB#3	21.46	1.24	2.15	20.55	0.1135
Band5	1.4MHz	16QAM	20525	6RB#0	20.46	1.24	2.15	19.55	0.0902
Band5	1.4MHz	16QAM	20643	1RB#0	22.27	1.24	2.15	21.36	0.1368
Band5	1.4MHz	16QAM	20643	1RB#2	22.41	1.24	2.15	21.50	0.1413
Band5	1.4MHz	16QAM	20643	1RB#5	22.30	1.24	2.15	21.39	0.1377
Band5	1.4MHz	16QAM	20643	3RB#0	22.17	1.24	2.15	21.26	0.1337

Band5	1.4MHz	16QAM	20643	3RB#1	22.07	1.24	2.15	21.16	0.1306
Band5	1.4MHz	16QAM	20643	3RB#3	22.10	1.24	2.15	21.19	0.1315
Band5	1.4MHz	16QAM	20643	6RB#0	20.97	1.24	2.15	20.06	0.1014
Band5	3MHz	QPSK	20415	1RB#0	22.28	1.24	2.15	21.37	0.1371
Band5	3MHz	QPSK	20415	1RB#8	22.23	1.24	2.15	21.32	0.1355
Band5	3MHz	QPSK	20415	1RB#14	22.24	1.24	2.15	21.33	0.1358
Band5	3MHz	QPSK	20415	8RB#0	21.34	1.24	2.15	20.43	0.1104
Band5	3MHz	QPSK	20415	8RB#4	21.36	1.24	2.15	20.45	0.1109
Band5	3MHz	QPSK	20415	8RB#7	21.31	1.24	2.15	20.40	0.1096
Band5	3MHz	QPSK	20415	15RB#0	21.34	1.24	2.15	20.43	0.1104
Band5	3MHz	QPSK	20525	1RB#0	22.50	1.24	2.15	21.59	0.1442
Band5	3MHz	QPSK	20525	1RB#8	22.45	1.24	2.15	21.54	0.1426
Band5	3MHz	QPSK	20525	1RB#14	22.47	1.24	2.15	21.56	0.1432
Band5	3MHz	QPSK	20525	8RB#0	21.52	1.24	2.15	20.61	0.1151
Band5	3MHz	QPSK	20525	8RB#4	21.47	1.24	2.15	20.56	0.1138
Band5	3MHz	QPSK	20525	8RB#7	21.49	1.24	2.15	20.58	0.1143
Band5	3MHz	QPSK	20525	15RB#0	21.54	1.24	2.15	20.63	0.1156
Band5	3MHz	QPSK	20635	1RB#0	23.24	1.24	2.15	22.33	0.1710
Band5	3MHz	QPSK	20635	1RB#8	23.12	1.24	2.15	22.21	0.1663
Band5	3MHz	QPSK	20635	1RB#14	23.15	1.24	2.15	22.24	0.1675
Band5	3MHz	QPSK	20635	8RB#0	22.10	1.24	2.15	21.19	0.1315
Band5	3MHz	QPSK	20635	8RB#4	22.19	1.24	2.15	21.28	0.1343
Band5	3MHz	QPSK	20635	8RB#7	22.17	1.24	2.15	21.26	0.1337
Band5	3MHz	QPSK	20635	15RB#0	22.10	1.24	2.15	21.19	0.1315
Band5	3MHz	16QAM	20415	1RB#0	21.59	1.24	2.15	20.68	0.1169
Band5	3MHz	16QAM	20415	1RB#8	21.54	1.24	2.15	20.63	0.1156
Band5	3MHz	16QAM	20415	1RB#14	21.52	1.24	2.15	20.61	0.1151
Band5	3MHz	16QAM	20415	8RB#0	20.52	1.24	2.15	19.61	0.0914
Band5	3MHz	16QAM	20415	8RB#4	20.54	1.24	2.15	19.63	0.0918
Band5	3MHz	16QAM	20415	8RB#7	20.46	1.24	2.15	19.55	0.0902
Band5	3MHz	16QAM	20415	15RB#0	20.48	1.24	2.15	19.57	0.0906
Band5	3MHz	16QAM	20525	1RB#0	21.68	1.24	2.15	20.77	0.1194
Band5	3MHz	16QAM	20525	1RB#8	21.74	1.24	2.15	20.83	0.1211
Band5	3MHz	16QAM	20525	1RB#14	21.72	1.24	2.15	20.81	0.1205
Band5	3MHz	16QAM	20525	8RB#0	20.66	1.24	2.15	19.75	0.0944
Band5	3MHz	16QAM	20525	8RB#4	20.63	1.24	2.15	19.72	0.0938
Band5	3MHz	16QAM	20525	8RB#7	20.67	1.24	2.15	19.76	0.0946
Band5	3MHz	16QAM	20525	15RB#0	20.65	1.24	2.15	19.74	0.0942
Band5	3MHz	16QAM	20635	1RB#0	22.36	1.24	2.15	21.45	0.1396
Band5	3MHz	16QAM	20635	1RB#8	22.30	1.24	2.15	21.39	0.1377
Band5	3MHz	16QAM	20635	1RB#14	22.19	1.24	2.15	21.28	0.1343

Band5	3MHz	16QAM	20635	8RB#0	21.15	1.24	2.15	20.24	0.1057
Band5	3MHz	16QAM	20635	8RB#4	21.22	1.24	2.15	20.31	0.1074
Band5	3MHz	16QAM	20635	8RB#7	21.19	1.24	2.15	20.28	0.1067
Band5	3MHz	16QAM	20635	15RB#0	21.10	1.24	2.15	20.19	0.1045
Band5	5MHz	QPSK	20425	1RB#0	22.35	1.24	2.15	21.44	0.1393
Band5	5MHz	QPSK	20425	1RB#12	22.41	1.24	2.15	21.50	0.1413
Band5	5MHz	QPSK	20425	1RB#24	22.31	1.24	2.15	21.40	0.1380
Band5	5MHz	QPSK	20425	12RB#0	21.44	1.24	2.15	20.53	0.1130
Band5	5MHz	QPSK	20425	12RB#6	21.41	1.24	2.15	20.50	0.1122
Band5	5MHz	QPSK	20425	12RB#13	21.33	1.24	2.15	20.42	0.1102
Band5	5MHz	QPSK	20425	25RB#0	21.35	1.24	2.15	20.44	0.1107
Band5	5MHz	QPSK	20525	1RB#0	22.53	1.24	2.15	21.62	0.1452
Band5	5MHz	QPSK	20525	1RB#12	22.64	1.24	2.15	21.73	0.1489
Band5	5MHz	QPSK	20525	1RB#24	22.70	1.24	2.15	21.79	0.1510
Band5	5MHz	QPSK	20525	12RB#0	21.54	1.24	2.15	20.63	0.1156
Band5	5MHz	QPSK	20525	12RB#6	21.54	1.24	2.15	20.63	0.1156
Band5	5MHz	QPSK	20525	12RB#13	21.54	1.24	2.15	20.63	0.1156
Band5	5MHz	QPSK	20525	25RB#0	21.56	1.24	2.15	20.65	0.1161
Band5	5MHz	QPSK	20625	1RB#0	23.01	1.24	2.15	22.10	0.1622
Band5	5MHz	QPSK	20625	1RB#12	23.22	1.24	2.15	22.31	0.1702
Band5	5MHz	QPSK	20625	1RB#24	23.13	1.24	2.15	22.22	0.1667
Band5	5MHz	QPSK	20625	12RB#0	22.06	1.24	2.15	21.15	0.1303
Band5	5MHz	QPSK	20625	12RB#6	22.05	1.24	2.15	21.14	0.1300
Band5	5MHz	QPSK	20625	12RB#13	22.16	1.24	2.15	21.25	0.1334
Band5	5MHz	QPSK	20625	25RB#0	22.05	1.24	2.15	21.14	0.1300
Band5	5MHz	16QAM	20425	1RB#0	21.49	1.24	2.15	20.58	0.1143
Band5	5MHz	16QAM	20425	1RB#12	21.58	1.24	2.15	20.67	0.1167
Band5	5MHz	16QAM	20425	1RB#24	21.33	1.24	2.15	20.42	0.1102
Band5	5MHz	16QAM	20425	12RB#0	20.50	1.24	2.15	19.59	0.0910
Band5	5MHz	16QAM	20425	12RB#6	20.56	1.24	2.15	19.65	0.0923
Band5	5MHz	16QAM	20425	12RB#13	20.58	1.24	2.15	19.67	0.0927
Band5	5MHz	16QAM	20425	25RB#0	20.50	1.24	2.15	19.59	0.0910
Band5	5MHz	16QAM	20525	1RB#0	21.59	1.24	2.15	20.68	0.1169
Band5	5MHz	16QAM	20525	1RB#12	21.68	1.24	2.15	20.77	0.1194
Band5	5MHz	16QAM	20525	1RB#24	21.80	1.24	2.15	20.89	0.1227
Band5	5MHz	16QAM	20525	12RB#0	20.61	1.24	2.15	19.70	0.0933
Band5	5MHz	16QAM	20525	12RB#6	20.61	1.24	2.15	19.70	0.0933
Band5	5MHz	16QAM	20525	12RB#13	20.67	1.24	2.15	19.76	0.0946
Band5	5MHz	16QAM	20525	25RB#0	20.66	1.24	2.15	19.75	0.0944
Band5	5MHz	16QAM	20625	1RB#0	22.29	1.24	2.15	21.38	0.1374
Band5	5MHz	16QAM	20625	1RB#12	22.49	1.24	2.15	21.58	0.1439

Band5	5MHz	16QAM	20625	1RB#24	22.35	1.24	2.15	21.44	0.1393
Band5	5MHz	16QAM	20625	12RB#0	21.27	1.24	2.15	20.36	0.1086
Band5	5MHz	16QAM	20625	12RB#6	21.23	1.24	2.15	20.32	0.1076
Band5	5MHz	16QAM	20625	12RB#13	21.30	1.24	2.15	20.39	0.1094
Band5	5MHz	16QAM	20625	25RB#0	21.17	1.24	2.15	20.26	0.1062
Band5	10MHz	QPSK	20450	1RB#0	22.14	1.24	2.15	21.23	0.1327
Band5	10MHz	QPSK	20450	1RB#24	22.28	1.24	2.15	21.37	0.1371
Band5	10MHz	QPSK	20450	1RB#49	22.31	1.24	2.15	21.40	0.1380
Band5	10MHz	QPSK	20450	25RB#0	21.45	1.24	2.15	20.54	0.1132
Band5	10MHz	QPSK	20450	25RB#12	21.38	1.24	2.15	20.47	0.1114
Band5	10MHz	QPSK	20450	25RB#25	21.45	1.24	2.15	20.54	0.1132
Band5	10MHz	QPSK	20450	50RB#0	21.46	1.24	2.15	20.55	0.1135
Band5	10MHz	QPSK	20525	1RB#0	22.49	1.24	2.15	21.58	0.1439
Band5	10MHz	QPSK	20525	1RB#24	22.49	1.24	2.15	21.58	0.1439
Band5	10MHz	QPSK	20525	1RB#49	22.73	1.24	2.15	21.82	0.1521
Band5	10MHz	QPSK	20525	25RB#0	21.53	1.24	2.15	20.62	0.1153
Band5	10MHz	QPSK	20525	25RB#12	21.47	1.24	2.15	20.56	0.1138
Band5	10MHz	QPSK	20525	25RB#25	21.66	1.24	2.15	20.75	0.1189
Band5	10MHz	QPSK	20525	50RB#0	21.54	1.24	2.15	20.63	0.1156
Band5	10MHz	QPSK	20600	1RB#0	22.72	1.24	2.15	21.81	0.1517
Band5	10MHz	QPSK	20600	1RB#24	22.98	1.24	2.15	22.07	0.1611
Band5	10MHz	QPSK	20600	1RB#49	23.05	1.24	2.15	22.14	0.1637
Band5	10MHz	QPSK	20600	25RB#0	21.91	1.24	2.15	21.00	0.1259
Band5	10MHz	QPSK	20600	25RB#12	21.89	1.24	2.15	20.98	0.1253
Band5	10MHz	QPSK	20600	25RB#25	22.12	1.24	2.15	21.21	0.1321
Band5	10MHz	QPSK	20600	50RB#0	21.99	1.24	2.15	21.08	0.1282
Band5	10MHz	16QAM	20450	1RB#0	21.61	1.24	2.15	20.70	0.1175
Band5	10MHz	16QAM	20450	1RB#24	21.63	1.24	2.15	20.72	0.1180
Band5	10MHz	16QAM	20450	1RB#49	21.56	1.24	2.15	20.65	0.1161
Band5	10MHz	16QAM	20450	25RB#0	20.51	1.24	2.15	19.60	0.0912
Band5	10MHz	16QAM	20450	25RB#12	20.43	1.24	2.15	19.52	0.0895
Band5	10MHz	16QAM	20450	25RB#25	20.51	1.24	2.15	19.60	0.0912
Band5	10MHz	16QAM	20450	50RB#0	20.54	1.24	2.15	19.63	0.0918
Band5	10MHz	16QAM	20525	1RB#0	21.66	1.24	2.15	20.75	0.1189
Band5	10MHz	16QAM	20525	1RB#24	21.72	1.24	2.15	20.81	0.1205
Band5	10MHz	16QAM	20525	1RB#49	21.96	1.24	2.15	21.05	0.1274
Band5	10MHz	16QAM	20525	25RB#0	20.63	1.24	2.15	19.72	0.0938
Band5	10MHz	16QAM	20525	25RB#12	20.67	1.24	2.15	19.76	0.0946
Band5	10MHz	16QAM	20525	25RB#25	20.76	1.24	2.15	19.85	0.0966
Band5	10MHz	16QAM	20525	50RB#0	20.70	1.24	2.15	19.79	0.0953
Band5	10MHz	16QAM	20600	1RB#0	21.68	1.24	2.15	20.77	0.1194

Band5	10MHz	16QAM	20600	1RB#24	21.87	1.24	2.15	20.96	0.1247
Band5	10MHz	16QAM	20600	1RB#49	22.00	1.24	2.15	21.09	0.1285
Band5	10MHz	16QAM	20600	25RB#0	20.97	1.24	2.15	20.06	0.1014
Band5	10MHz	16QAM	20600	25RB#12	21.01	1.24	2.15	20.10	0.1023
Band5	10MHz	16QAM	20600	25RB#25	21.14	1.24	2.15	20.23	0.1054
Band5	10MHz	16QAM	20600	50RB#0	21.00	1.24	2.15	20.09	0.1021

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	EIRP (dBm)	EIRP (W)
Band7	5MHz	QPSK	20775	1RB#0	22.48	0.53	23.01	0.2000
Band7	5MHz	QPSK	20775	1RB#12	22.54	0.53	23.07	0.2028
Band7	5MHz	QPSK	20775	1RB#24	22.51	0.53	23.04	0.2014
Band7	5MHz	QPSK	20775	12RB#0	21.47	0.53	22.00	0.1585
Band7	5MHz	QPSK	20775	12RB#6	21.45	0.53	21.98	0.1578
Band7	5MHz	QPSK	20775	12RB#13	21.47	0.53	22.00	0.1585
Band7	5MHz	QPSK	20775	25RB#0	21.51	0.53	22.04	0.1600
Band7	5MHz	QPSK	21100	1RB#0	22.79	0.53	23.32	0.2148
Band7	5MHz	QPSK	21100	1RB#12	22.84	0.53	23.37	0.2173
Band7	5MHz	QPSK	21100	1RB#24	22.78	0.53	23.31	0.2143
Band7	5MHz	QPSK	21100	12RB#0	21.76	0.53	22.29	0.1694
Band7	5MHz	QPSK	21100	12RB#6	21.79	0.53	22.32	0.1706
Band7	5MHz	QPSK	21100	12RB#13	21.80	0.53	22.33	0.1710
Band7	5MHz	QPSK	21100	25RB#0	21.73	0.53	22.26	0.1683
Band7	5MHz	QPSK	21425	1RB#0	23.22	0.53	23.75	0.2371
Band7	5MHz	QPSK	21425	1RB#12	23.33	0.53	23.86	0.2432
Band7	5MHz	QPSK	21425	1RB#24	23.31	0.53	23.84	0.2421
Band7	5MHz	QPSK	21425	12RB#0	22.17	0.53	22.70	0.1862
Band7	5MHz	QPSK	21425	12RB#6	22.12	0.53	22.65	0.1841
Band7	5MHz	QPSK	21425	12RB#13	22.18	0.53	22.71	0.1866
Band7	5MHz	QPSK	21425	25RB#0	22.17	0.53	22.70	0.1862
Band7	5MHz	16QAM	20775	1RB#0	21.71	0.53	22.24	0.1675
Band7	5MHz	16QAM	20775	1RB#12	21.76	0.53	22.29	0.1694
Band7	5MHz	16QAM	20775	1RB#24	21.66	0.53	22.19	0.1656
Band7	5MHz	16QAM	20775	12RB#0	20.64	0.53	21.17	0.1309
Band7	5MHz	16QAM	20775	12RB#6	20.59	0.53	21.12	0.1294
Band7	5MHz	16QAM	20775	12RB#13	20.58	0.53	21.11	0.1291
Band7	5MHz	16QAM	20775	25RB#0	20.54	0.53	21.07	0.1279
Band7	5MHz	16QAM	21100	1RB#0	21.77	0.53	22.30	0.1698
Band7	5MHz	16QAM	21100	1RB#12	21.87	0.53	22.40	0.1738
Band7	5MHz	16QAM	21100	1RB#24	21.89	0.53	22.42	0.1746
Band7	5MHz	16QAM	21100	12RB#0	20.81	0.53	21.34	0.1361
Band7	5MHz	16QAM	21100	12RB#6	20.84	0.53	21.37	0.1371
Band7	5MHz	16QAM	21100	12RB#13	20.86	0.53	21.39	0.1377
Band7	5MHz	16QAM	21100	25RB#0	20.87	0.53	21.40	0.1380
Band7	5MHz	16QAM	21425	1RB#0	22.28	0.53	22.81	0.1910
Band7	5MHz	16QAM	21425	1RB#12	22.41	0.53	22.94	0.1968
Band7	5MHz	16QAM	21425	1RB#24	22.37	0.53	22.90	0.1950
Band7	5MHz	16QAM	21425	12RB#0	21.20	0.53	21.73	0.1489

Band7	5MHz	16QAM	21425	12RB#6	21.14	0.53	21.67	0.1469
Band7	5MHz	16QAM	21425	12RB#13	21.26	0.53	21.79	0.1510
Band7	5MHz	16QAM	21425	25RB#0	21.18	0.53	21.71	0.1483
Band7	10MHz	QPSK	20800	1RB#0	22.49	0.53	23.02	0.2004
Band7	10MHz	QPSK	20800	1RB#24	22.59	0.53	23.12	0.2051
Band7	10MHz	QPSK	20800	1RB#49	22.60	0.53	23.13	0.2056
Band7	10MHz	QPSK	20800	25RB#0	21.54	0.53	22.07	0.1611
Band7	10MHz	QPSK	20800	25RB#12	21.53	0.53	22.06	0.1607
Band7	10MHz	QPSK	20800	25RB#25	21.62	0.53	22.15	0.1641
Band7	10MHz	QPSK	20800	50RB#0	21.58	0.53	22.11	0.1626
Band7	10MHz	QPSK	21100	1RB#0	22.73	0.53	23.26	0.2118
Band7	10MHz	QPSK	21100	1RB#24	22.79	0.53	23.32	0.2148
Band7	10MHz	QPSK	21100	1RB#49	22.79	0.53	23.32	0.2148
Band7	10MHz	QPSK	21100	25RB#0	21.84	0.53	22.37	0.1726
Band7	10MHz	QPSK	21100	25RB#12	21.83	0.53	22.36	0.1722
Band7	10MHz	QPSK	21100	25RB#25	21.89	0.53	22.42	0.1746
Band7	10MHz	QPSK	21100	50RB#0	21.85	0.53	22.38	0.1730
Band7	10MHz	QPSK	21400	1RB#0	23.11	0.53	23.64	0.2312
Band7	10MHz	QPSK	21400	1RB#24	23.22	0.53	23.75	0.2371
Band7	10MHz	QPSK	21400	1RB#49	23.62	0.53	24.15	0.2600
Band7	10MHz	QPSK	21400	25RB#0	22.28	0.53	22.81	0.1910
Band7	10MHz	QPSK	21400	25RB#12	22.33	0.53	22.86	0.1932
Band7	10MHz	QPSK	21400	25RB#25	22.70	0.53	23.23	0.2104
Band7	10MHz	QPSK	21400	50RB#0	22.80	0.53	23.33	0.2153
Band7	10MHz	16QAM	20800	1RB#0	21.76	0.53	22.29	0.1694
Band7	10MHz	16QAM	20800	1RB#24	21.68	0.53	22.21	0.1663
Band7	10MHz	16QAM	20800	1RB#49	21.64	0.53	22.17	0.1648
Band7	10MHz	16QAM	20800	25RB#0	20.60	0.53	21.13	0.1297
Band7	10MHz	16QAM	20800	25RB#12	20.61	0.53	21.14	0.1300
Band7	10MHz	16QAM	20800	25RB#25	20.60	0.53	21.13	0.1297
Band7	10MHz	16QAM	20800	50RB#0	20.60	0.53	21.13	0.1297
Band7	10MHz	16QAM	21100	1RB#0	22.05	0.53	22.58	0.1811
Band7	10MHz	16QAM	21100	1RB#24	22.02	0.53	22.55	0.1799
Band7	10MHz	16QAM	21100	1RB#49	22.07	0.53	22.60	0.1820
Band7	10MHz	16QAM	21100	25RB#0	20.89	0.53	21.42	0.1387
Band7	10MHz	16QAM	21100	25RB#12	20.90	0.53	21.43	0.1390
Band7	10MHz	16QAM	21100	25RB#25	20.92	0.53	21.45	0.1396
Band7	10MHz	16QAM	21100	50RB#0	20.91	0.53	21.44	0.1393
Band7	10MHz	16QAM	21400	1RB#0	22.12	0.53	22.65	0.1841
Band7	10MHz	16QAM	21400	1RB#24	22.25	0.53	22.78	0.1897
Band7	10MHz	16QAM	21400	1RB#49	22.47	0.53	23.00	0.1995

Band7	10MHz	16QAM	21400	25RB#0	22.14	0.53	22.67	0.1849
Band7	10MHz	16QAM	21400	25RB#12	22.15	0.53	22.68	0.1854
Band7	10MHz	16QAM	21400	25RB#25	20.44	0.53	20.97	0.1250
Band7	10MHz	16QAM	21400	50RB#0	22.00	0.53	22.53	0.1791
Band7	15MHz	QPSK	20825	1RB#0	22.49	0.53	23.02	0.2004
Band7	15MHz	QPSK	20825	1RB#38	22.51	0.53	23.04	0.2014
Band7	15MHz	QPSK	20825	1RB#74	22.61	0.53	23.14	0.2061
Band7	15MHz	QPSK	20825	38RB#0	21.58	0.53	22.11	0.1626
Band7	15MHz	QPSK	20825	38RB#18	21.61	0.53	22.14	0.1637
Band7	15MHz	QPSK	20825	38RB#37	21.61	0.53	22.14	0.1637
Band7	15MHz	QPSK	20825	75RB#0	21.61	0.53	22.14	0.1637
Band7	15MHz	QPSK	21100	1RB#0	22.73	0.53	23.26	0.2118
Band7	15MHz	QPSK	21100	1RB#38	22.76	0.53	23.29	0.2133
Band7	15MHz	QPSK	21100	1RB#74	22.77	0.53	23.30	0.2138
Band7	15MHz	QPSK	21100	38RB#0	21.87	0.53	22.40	0.1738
Band7	15MHz	QPSK	21100	38RB#18	21.87	0.53	22.40	0.1738
Band7	15MHz	QPSK	21100	38RB#37	21.85	0.53	22.38	0.1730
Band7	15MHz	QPSK	21100	75RB#0	21.88	0.53	22.41	0.1742
Band7	15MHz	QPSK	21375	1RB#0	23.19	0.53	23.72	0.2355
Band7	15MHz	QPSK	21375	1RB#38	23.20	0.53	23.73	0.2360
Band7	15MHz	QPSK	21375	1RB#74	23.66	0.53	24.19	0.2624
Band7	15MHz	QPSK	21375	38RB#0	22.19	0.53	22.72	0.1871
Band7	15MHz	QPSK	21375	38RB#18	22.17	0.53	22.70	0.1862
Band7	15MHz	QPSK	21375	38RB#37	22.18	0.53	22.71	0.1866
Band7	15MHz	QPSK	21375	75RB#0	22.16	0.53	22.69	0.1858
Band7	15MHz	16QAM	20825	1RB#0	21.70	0.53	22.23	0.1671
Band7	15MHz	16QAM	20825	1RB#38	21.65	0.53	22.18	0.1652
Band7	15MHz	16QAM	20825	1RB#74	21.64	0.53	22.17	0.1648
Band7	15MHz	16QAM	20825	38RB#0	21.58	0.53	22.11	0.1626
Band7	15MHz	16QAM	20825	38RB#18	21.62	0.53	22.15	0.1641
Band7	15MHz	16QAM	20825	38RB#37	21.59	0.53	22.12	0.1629
Band7	15MHz	16QAM	20825	75RB#0	20.63	0.53	21.16	0.1306
Band7	15MHz	16QAM	21100	1RB#0	21.83	0.53	22.36	0.1722
Band7	15MHz	16QAM	21100	1RB#38	22.01	0.53	22.54	0.1795
Band7	15MHz	16QAM	21100	1RB#74	22.02	0.53	22.55	0.1799
Band7	15MHz	16QAM	21100	38RB#0	21.88	0.53	22.41	0.1742
Band7	15MHz	16QAM	21100	38RB#18	21.88	0.53	22.41	0.1742
Band7	15MHz	16QAM	21100	38RB#37	21.89	0.53	22.42	0.1746
Band7	15MHz	16QAM	21100	75RB#0	20.88	0.53	21.41	0.1384
Band7	15MHz	16QAM	21375	1RB#0	22.16	0.53	22.69	0.1858
Band7	15MHz	16QAM	21375	1RB#38	22.32	0.53	22.85	0.1928

Band7	15MHz	16QAM	21375	1RB#74	22.74	0.53	23.27	0.2123
Band7	15MHz	16QAM	21375	38RB#0	22.17	0.53	22.70	0.1862
Band7	15MHz	16QAM	21375	38RB#18	22.16	0.53	22.69	0.1858
Band7	15MHz	16QAM	21375	38RB#37	22.16	0.53	22.69	0.1858
Band7	15MHz	16QAM	21375	75RB#0	21.22	0.53	21.75	0.1496
Band7	20MHz	QPSK	20850	1RB#0	22.58	0.53	23.11	0.2046
Band7	20MHz	QPSK	20850	1RB#49	22.63	0.53	23.16	0.2070
Band7	20MHz	QPSK	20850	1RB#99	22.28	0.53	22.81	0.1910
Band7	20MHz	QPSK	20850	50RB#0	21.54	0.53	22.07	0.1611
Band7	20MHz	QPSK	20850	50RB#25	21.54	0.53	22.07	0.1611
Band7	20MHz	QPSK	20850	50RB#50	21.56	0.53	22.09	0.1618
Band7	20MHz	QPSK	20850	100RB#0	21.58	0.53	22.11	0.1626
Band7	20MHz	QPSK	21100	1RB#0	22.81	0.53	23.34	0.2158
Band7	20MHz	QPSK	21100	1RB#49	22.88	0.53	23.41	0.2193
Band7	20MHz	QPSK	21100	1RB#99	22.90	0.53	23.43	0.2203
Band7	20MHz	QPSK	21100	50RB#0	21.85	0.53	22.38	0.1730
Band7	20MHz	QPSK	21100	50RB#25	21.81	0.53	22.34	0.1714
Band7	20MHz	QPSK	21100	50RB#50	21.86	0.53	22.39	0.1734
Band7	20MHz	QPSK	21100	100RB#0	21.86	0.53	22.39	0.1734
Band7	20MHz	QPSK	21350	1RB#0	22.94	0.53	23.47	0.2223
Band7	20MHz	QPSK	21350	1RB#49	23.02	0.53	23.55	0.2265
Band7	20MHz	QPSK	21350	1RB#99	23.25	0.53	23.78	0.2388
Band7	20MHz	QPSK	21350	50RB#0	21.69	0.53	22.22	0.1667
Band7	20MHz	QPSK	21350	50RB#25	21.95	0.53	22.48	0.1770
Band7	20MHz	QPSK	21350	50RB#50	22.19	0.53	22.72	0.1871
Band7	20MHz	QPSK	21350	100RB#0	22.02	0.53	22.55	0.1799
Band7	20MHz	16QAM	20850	1RB#0	21.66	0.53	22.19	0.1656
Band7	20MHz	16QAM	20850	1RB#49	21.55	0.53	22.08	0.1614
Band7	20MHz	16QAM	20850	1RB#99	21.59	0.53	22.12	0.1629
Band7	20MHz	16QAM	20850	50RB#0	20.61	0.53	21.14	0.1300
Band7	20MHz	16QAM	20850	50RB#25	20.62	0.53	21.15	0.1303
Band7	20MHz	16QAM	20850	50RB#50	20.52	0.53	21.05	0.1274
Band7	20MHz	16QAM	20850	100RB#0	20.55	0.53	21.08	0.1282
Band7	20MHz	16QAM	21100	1RB#0	21.86	0.53	22.39	0.1734
Band7	20MHz	16QAM	21100	1RB#49	22.02	0.53	22.55	0.1799
Band7	20MHz	16QAM	21100	1RB#99	21.98	0.53	22.51	0.1782
Band7	20MHz	16QAM	21100	50RB#0	20.89	0.53	21.42	0.1387
Band7	20MHz	16QAM	21100	50RB#25	20.90	0.53	21.43	0.1390
Band7	20MHz	16QAM	21100	50RB#50	20.93	0.53	21.46	0.1400
Band7	20MHz	16QAM	21100	100RB#0	20.85	0.53	21.38	0.1374
Band7	20MHz	16QAM	21350	1RB#0	21.91	0.53	22.44	0.1754

Band7	20MHz	16QAM	21350	1RB#49	22.02	0.53	22.55	0.1799
Band7	20MHz	16QAM	21350	1RB#99	21.76	0.53	22.29	0.1694
Band7	20MHz	16QAM	21350	50RB#0	21.25	0.53	21.78	0.1507
Band7	20MHz	16QAM	21350	50RB#25	20.98	0.53	21.51	0.1416
Band7	20MHz	16QAM	21350	50RB#50	21.21	0.53	21.74	0.1493
Band7	20MHz	16QAM	21350	100RB#0	21.56	0.53	22.09	0.1618

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	ERP (W)
Band13	5MHz	QPSK	23205	1RB#0	21.30	0.51	2.15	19.66	0.0925
Band13	5MHz	QPSK	23205	1RB#12	22.37	0.51	2.15	20.73	0.1183
Band13	5MHz	QPSK	23205	1RB#24	22.20	0.51	2.15	20.56	0.1138
Band13	5MHz	QPSK	23205	12RB#0	21.27	0.51	2.15	19.63	0.0918
Band13	5MHz	QPSK	23205	12RB#6	21.28	0.51	2.15	19.64	0.0920
Band13	5MHz	QPSK	23205	12RB#13	21.23	0.51	2.15	19.59	0.0910
Band13	5MHz	QPSK	23205	25RB#0	21.21	0.51	2.15	19.57	0.0906
Band13	5MHz	QPSK	23230	1RB#0	22.33	0.51	2.15	20.69	0.1172
Band13	5MHz	QPSK	23230	1RB#12	22.31	0.51	2.15	20.67	0.1167
Band13	5MHz	QPSK	23230	1RB#24	22.22	0.51	2.15	20.58	0.1143
Band13	5MHz	QPSK	23230	12RB#0	21.28	0.51	2.15	19.64	0.0920
Band13	5MHz	QPSK	23230	12RB#6	21.28	0.51	2.15	19.64	0.0920
Band13	5MHz	QPSK	23230	12RB#13	21.26	0.51	2.15	19.62	0.0916
Band13	5MHz	QPSK	23230	25RB#0	21.26	0.51	2.15	19.62	0.0916
Band13	5MHz	QPSK	23255	1RB#0	22.30	0.51	2.15	20.66	0.1164
Band13	5MHz	QPSK	23255	1RB#12	22.34	0.51	2.15	20.70	0.1175
Band13	5MHz	QPSK	23255	1RB#24	22.21	0.51	2.15	20.57	0.1140
Band13	5MHz	QPSK	23255	12RB#0	21.32	0.51	2.15	19.68	0.0929
Band13	5MHz	QPSK	23255	12RB#6	21.33	0.51	2.15	19.69	0.0931
Band13	5MHz	QPSK	23255	12RB#13	21.25	0.51	2.15	19.61	0.0914
Band13	5MHz	QPSK	23255	25RB#0	21.27	0.51	2.15	19.63	0.0918
Band13	5MHz	16QAM	23205	1RB#0	21.46	0.51	2.15	19.82	0.0959
Band13	5MHz	16QAM	23205	1RB#12	21.51	0.51	2.15	19.87	0.0971
Band13	5MHz	16QAM	23205	1RB#24	21.41	0.51	2.15	19.77	0.0948
Band13	5MHz	16QAM	23205	12RB#0	20.37	0.51	2.15	18.73	0.0746
Band13	5MHz	16QAM	23205	12RB#6	20.39	0.51	2.15	18.75	0.0750
Band13	5MHz	16QAM	23205	12RB#13	20.35	0.51	2.15	18.71	0.0743
Band13	5MHz	16QAM	23205	25RB#0	20.37	0.51	2.15	18.73	0.0746
Band13	5MHz	16QAM	23230	1RB#0	21.43	0.51	2.15	19.79	0.0953
Band13	5MHz	16QAM	23230	1RB#12	21.45	0.51	2.15	19.81	0.0957
Band13	5MHz	16QAM	23230	1RB#24	21.41	0.51	2.15	19.77	0.0948
Band13	5MHz	16QAM	23230	12RB#0	20.29	0.51	2.15	18.65	0.0733
Band13	5MHz	16QAM	23230	12RB#6	20.34	0.51	2.15	18.70	0.0741
Band13	5MHz	16QAM	23230	12RB#13	20.36	0.51	2.15	18.72	0.0745
Band13	5MHz	16QAM	23230	25RB#0	20.40	0.51	2.15	18.76	0.0752
Band13	5MHz	16QAM	23255	1RB#0	21.61	0.51	2.15	19.97	0.0993
Band13	5MHz	16QAM	23255	1RB#12	21.74	0.51	2.15	20.10	0.1023
Band13	5MHz	16QAM	23255	1RB#24	21.53	0.51	2.15	19.89	0.0975
Band13	5MHz	16QAM	23255	12RB#0	20.41	0.51	2.15	18.77	0.0753

Band13	5MHz	16QAM	23255	12RB#6	20.46	0.51	2.15	18.82	0.0762
Band13	5MHz	16QAM	23255	12RB#13	20.39	0.51	2.15	18.75	0.0750
Band13	5MHz	16QAM	23255	25RB#0	20.36	0.51	2.15	18.72	0.0745
Band13	10MHz	QPSK	23230	1RB#0	22.26	0.51	2.15	20.62	0.1153
Band13	10MHz	QPSK	23230	1RB#24	22.19	0.51	2.15	20.55	0.1135
Band13	10MHz	QPSK	23230	1RB#49	22.19	0.51	2.15	20.55	0.1135
Band13	10MHz	QPSK	23230	25RB#0	21.33	0.51	2.15	19.69	0.0931
Band13	10MHz	QPSK	23230	25RB#12	21.27	0.51	2.15	19.63	0.0918
Band13	10MHz	QPSK	23230	25RB#25	21.28	0.51	2.15	19.64	0.0920
Band13	10MHz	QPSK	23230	50RB#0	21.27	0.51	2.15	19.63	0.0918
Band13	10MHz	16QAM	23230	1RB#0	21.56	0.51	2.15	19.92	0.0982
Band13	10MHz	16QAM	23230	1RB#24	21.60	0.51	2.15	19.96	0.0991
Band13	10MHz	16QAM	23230	1RB#49	21.39	0.51	2.15	19.75	0.0944
Band13	10MHz	16QAM	23230	25RB#0	20.41	0.51	2.15	18.77	0.0753
Band13	10MHz	16QAM	23230	25RB#12	20.39	0.51	2.15	18.75	0.0750
Band13	10MHz	16QAM	23230	25RB#25	20.39	0.51	2.15	18.75	0.0750
Band13	10MHz	16QAM	23230	50RB#0	20.41	0.51	2.15	18.77	0.0753

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	ERP (W)
Band17	5MHz	QPSK	23755	1RB#0	22.53	1.59	2.15	21.97	0.1574
Band17	5MHz	QPSK	23755	1RB#12	22.85	1.59	2.15	22.29	0.1694
Band17	5MHz	QPSK	23755	1RB#24	22.83	1.59	2.15	22.27	0.1687
Band17	5MHz	QPSK	23755	12RB#0	21.58	1.59	2.15	21.02	0.1265
Band17	5MHz	QPSK	23755	12RB#6	21.64	1.59	2.15	21.08	0.1282
Band17	5MHz	QPSK	23755	12RB#13	21.79	1.59	2.15	21.23	0.1327
Band17	5MHz	QPSK	23755	25RB#0	21.76	1.59	2.15	21.20	0.1318
Band17	5MHz	QPSK	23790	1RB#0	22.81	1.59	2.15	22.25	0.1679
Band17	5MHz	QPSK	23790	1RB#12	22.93	1.59	2.15	22.37	0.1726
Band17	5MHz	QPSK	23790	1RB#24	22.82	1.59	2.15	22.26	0.1683
Band17	5MHz	QPSK	23790	12RB#0	21.81	1.59	2.15	21.25	0.1334
Band17	5MHz	QPSK	23790	12RB#6	21.83	1.59	2.15	21.27	0.1340
Band17	5MHz	QPSK	23790	12RB#13	21.81	1.59	2.15	21.25	0.1334
Band17	5MHz	QPSK	23790	25RB#0	21.92	1.59	2.15	21.36	0.1368
Band17	5MHz	QPSK	23825	1RB#0	22.82	1.59	2.15	22.26	0.1683
Band17	5MHz	QPSK	23825	1RB#12	22.77	1.59	2.15	22.21	0.1663
Band17	5MHz	QPSK	23825	1RB#24	22.48	1.59	2.15	21.92	0.1556
Band17	5MHz	QPSK	23825	12RB#0	21.80	1.59	2.15	21.24	0.1330
Band17	5MHz	QPSK	23825	12RB#6	21.80	1.59	2.15	21.24	0.1330
Band17	5MHz	QPSK	23825	12RB#13	21.60	1.59	2.15	21.04	0.1271
Band17	5MHz	QPSK	23825	25RB#0	21.69	1.59	2.15	21.13	0.1297
Band17	5MHz	16QAM	23755	1RB#0	21.85	1.59	2.15	21.29	0.1346
Band17	5MHz	16QAM	23755	1RB#12	22.15	1.59	2.15	21.59	0.1442
Band17	5MHz	16QAM	23755	1RB#24	22.07	1.59	2.15	21.51	0.1416
Band17	5MHz	16QAM	23755	12RB#0	20.75	1.59	2.15	20.19	0.1045
Band17	5MHz	16QAM	23755	12RB#6	20.73	1.59	2.15	20.17	0.1040
Band17	5MHz	16QAM	23755	12RB#13	20.97	1.59	2.15	20.41	0.1099
Band17	5MHz	16QAM	23755	25RB#0	20.79	1.59	2.15	20.23	0.1054
Band17	5MHz	16QAM	23790	1RB#0	21.89	1.59	2.15	21.33	0.1358
Band17	5MHz	16QAM	23790	1RB#12	21.41	1.59	2.15	20.85	0.1216
Band17	5MHz	16QAM	23790	1RB#24	21.93	1.59	2.15	21.37	0.1371
Band17	5MHz	16QAM	23790	12RB#0	20.98	1.59	2.15	20.42	0.1102
Band17	5MHz	16QAM	23790	12RB#6	21.04	1.59	2.15	20.48	0.1117
Band17	5MHz	16QAM	23790	12RB#13	21.52	1.59	2.15	20.96	0.1247
Band17	5MHz	16QAM	23790	25RB#0	21.06	1.59	2.15	20.50	0.1122
Band17	5MHz	16QAM	23825	1RB#0	21.82	1.59	2.15	21.26	0.1337
Band17	5MHz	16QAM	23825	1RB#12	21.92	1.59	2.15	21.36	0.1368
Band17	5MHz	16QAM	23825	1RB#24	21.59	1.59	2.15	21.03	0.1268
Band17	5MHz	16QAM	23825	12RB#0	20.86	1.59	2.15	20.30	0.1072

Band17	5MHz	16QAM	23825	12RB#6	20.87	1.59	2.15	20.31	0.1074
Band17	5MHz	16QAM	23825	12RB#13	20.67	1.59	2.15	20.11	0.1026
Band17	5MHz	16QAM	23825	25RB#0	20.85	1.59	2.15	20.29	0.1069
Band17	10MHz	QPSK	23780	1RB#0	22.41	1.59	2.15	21.85	0.1531
Band17	10MHz	QPSK	23780	1RB#24	22.72	1.59	2.15	22.16	0.1644
Band17	10MHz	QPSK	23780	1RB#49	22.71	1.59	2.15	22.15	0.1641
Band17	10MHz	QPSK	23780	25RB#0	21.74	1.59	2.15	21.18	0.1312
Band17	10MHz	QPSK	23780	25RB#12	21.80	1.59	2.15	21.24	0.1330
Band17	10MHz	QPSK	23780	25RB#25	21.83	1.59	2.15	21.27	0.1340
Band17	10MHz	QPSK	23780	50RB#0	21.80	1.59	2.15	21.24	0.1330
Band17	10MHz	QPSK	23790	1RB#0	22.59	1.59	2.15	22.03	0.1596
Band17	10MHz	QPSK	23790	1RB#24	22.81	1.59	2.15	22.25	0.1679
Band17	10MHz	QPSK	23790	1RB#49	22.57	1.59	2.15	22.01	0.1589
Band17	10MHz	QPSK	23790	25RB#0	21.82	1.59	2.15	21.26	0.1337
Band17	10MHz	QPSK	23790	25RB#12	21.70	1.59	2.15	21.14	0.1300
Band17	10MHz	QPSK	23790	25RB#25	21.73	1.59	2.15	21.17	0.1309
Band17	10MHz	QPSK	23790	50RB#0	21.82	1.59	2.15	21.26	0.1337
Band17	10MHz	QPSK	23800	1RB#0	22.71	1.59	2.15	22.15	0.1641
Band17	10MHz	QPSK	23800	1RB#24	22.61	1.59	2.15	22.05	0.1603
Band17	10MHz	QPSK	23800	1RB#49	22.52	1.59	2.15	21.96	0.1570
Band17	10MHz	QPSK	23800	25RB#0	21.80	1.59	2.15	21.24	0.1330
Band17	10MHz	QPSK	23800	25RB#12	21.81	1.59	2.15	21.25	0.1334
Band17	10MHz	QPSK	23800	25RB#25	21.68	1.59	2.15	21.12	0.1294
Band17	10MHz	QPSK	23800	50RB#0	21.80	1.59	2.15	21.24	0.1330
Band17	10MHz	16QAM	23780	1RB#0	21.74	1.59	2.15	21.18	0.1312
Band17	10MHz	16QAM	23780	1RB#24	21.97	1.59	2.15	21.41	0.1384
Band17	10MHz	16QAM	23780	1RB#49	21.92	1.59	2.15	21.36	0.1368
Band17	10MHz	16QAM	23780	25RB#0	20.87	1.59	2.15	20.31	0.1074
Band17	10MHz	16QAM	23780	25RB#12	20.82	1.59	2.15	20.26	0.1062
Band17	10MHz	16QAM	23780	25RB#25	20.78	1.59	2.15	20.22	0.1052
Band17	10MHz	16QAM	23780	50RB#0	20.83	1.59	2.15	20.27	0.1064
Band17	10MHz	16QAM	23790	1RB#0	21.80	1.59	2.15	21.24	0.1330
Band17	10MHz	16QAM	23790	1RB#24	22.07	1.59	2.15	21.51	0.1416
Band17	10MHz	16QAM	23790	1RB#49	21.82	1.59	2.15	21.26	0.1337
Band17	10MHz	16QAM	23790	25RB#0	20.89	1.59	2.15	20.33	0.1079
Band17	10MHz	16QAM	23790	25RB#12	20.97	1.59	2.15	20.41	0.1099
Band17	10MHz	16QAM	23790	25RB#25	20.88	1.59	2.15	20.32	0.1076
Band17	10MHz	16QAM	23790	50RB#0	20.79	1.59	2.15	20.23	0.1054
Band17	10MHz	16QAM	23800	1RB#0	21.74	1.59	2.15	21.18	0.1312
Band17	10MHz	16QAM	23800	1RB#24	21.79	1.59	2.15	21.23	0.1327
Band17	10MHz	16QAM	23800	1RB#49	21.53	1.59	2.15	20.97	0.1250

Band17	10MHz	16QAM	23800	25RB#0	20.98	1.59	2.15	20.42	0.1102
Band17	10MHz	16QAM	23800	25RB#12	20.95	1.59	2.15	20.39	0.1094
Band17	10MHz	16QAM	23800	25RB#25	20.90	1.59	2.15	20.34	0.1081
Band17	10MHz	16QAM	23800	50RB#0	20.93	1.59	2.15	20.37	0.1089

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Antenna Gain(dBi)	EIRP (dBm)	EIRP (W)
Band41	5MHz	QPSK	39675	1RB#0	22.25	0.77	23.02	0.2005
Band41	5MHz	QPSK	39675	1RB#12	22.34	0.77	23.11	0.2046
Band41	5MHz	QPSK	39675	1RB#24	22.21	0.77	22.98	0.1986
Band41	5MHz	QPSK	39675	12RB#0	21.34	0.77	22.11	0.1626
Band41	5MHz	QPSK	39675	12RB#6	21.18	0.77	21.95	0.1567
Band41	5MHz	QPSK	39675	12RB#13	21.27	0.77	22.04	0.1600
Band41	5MHz	QPSK	39675	25RB#0	21.28	0.77	22.05	0.1603
Band41	5MHz	QPSK	40620	1RB#0	23.15	0.77	23.92	0.2466
Band41	5MHz	QPSK	40620	1RB#12	23.29	0.77	24.06	0.2547
Band41	5MHz	QPSK	40620	1RB#24	23.25	0.77	24.02	0.2523
Band41	5MHz	QPSK	40620	12RB#0	22.08	0.77	22.85	0.1928
Band41	5MHz	QPSK	40620	12RB#6	22.13	0.77	22.90	0.1950
Band41	5MHz	QPSK	40620	12RB#13	22.15	0.77	22.92	0.1959
Band41	5MHz	QPSK	40620	25RB#0	22.17	0.77	22.94	0.1968
Band41	5MHz	QPSK	41565	1RB#0	23.25	0.77	24.02	0.2523
Band41	5MHz	QPSK	41565	1RB#12	23.37	0.77	24.14	0.2594
Band41	5MHz	QPSK	41565	1RB#24	23.39	0.77	24.16	0.2606
Band41	5MHz	QPSK	41565	12RB#0	22.32	0.77	23.09	0.2037
Band41	5MHz	QPSK	41565	12RB#6	22.35	0.77	23.12	0.2051
Band41	5MHz	QPSK	41565	12RB#13	22.38	0.77	23.15	0.2065
Band41	5MHz	QPSK	41565	25RB#0	22.36	0.77	23.13	0.2056
Band41	5MHz	16QAM	39675	1RB#0	21.53	0.77	22.30	0.1698
Band41	5MHz	16QAM	39675	1RB#12	21.59	0.77	22.36	0.1722
Band41	5MHz	16QAM	39675	1RB#24	21.51	0.77	22.28	0.1690
Band41	5MHz	16QAM	39675	12RB#0	20.34	0.77	21.11	0.1291
Band41	5MHz	16QAM	39675	12RB#6	20.40	0.77	21.17	0.1309
Band41	5MHz	16QAM	39675	12RB#13	20.34	0.77	21.11	0.1291
Band41	5MHz	16QAM	39675	25RB#0	20.34	0.77	21.11	0.1291
Band41	5MHz	16QAM	40620	1RB#0	22.52	0.77	23.29	0.2133
Band41	5MHz	16QAM	40620	1RB#12	22.60	0.77	23.37	0.2173
Band41	5MHz	16QAM	40620	1RB#24	22.59	0.77	23.36	0.2168
Band41	5MHz	16QAM	40620	12RB#0	21.19	0.77	21.96	0.1570
Band41	5MHz	16QAM	40620	12RB#6	21.28	0.77	22.05	0.1603
Band41	5MHz	16QAM	40620	12RB#13	21.23	0.77	22.00	0.1585
Band41	5MHz	16QAM	40620	25RB#0	21.32	0.77	22.09	0.1618
Band41	5MHz	16QAM	41565	1RB#0	22.69	0.77	23.46	0.2218
Band41	5MHz	16QAM	41565	1RB#12	22.75	0.77	23.52	0.2249
Band41	5MHz	16QAM	41565	1RB#24	22.73	0.77	23.50	0.2239
Band41	5MHz	16QAM	41565	12RB#0	21.35	0.77	22.12	0.1629

Band41	5MHz	16QAM	41565	12RB#6	21.36	0.77	22.13	0.1633
Band41	5MHz	16QAM	41565	12RB#13	21.44	0.77	22.21	0.1663
Band41	5MHz	16QAM	41565	25RB#0	21.38	0.77	22.15	0.1641
Band41	10MHz	QPSK	39700	1RB#0	22.27	0.77	23.04	0.2014
Band41	10MHz	QPSK	39700	1RB#24	22.29	0.77	23.06	0.2023
Band41	10MHz	QPSK	39700	1RB#49	22.33	0.77	23.10	0.2042
Band41	10MHz	QPSK	39700	25RB#0	21.32	0.77	22.09	0.1618
Band41	10MHz	QPSK	39700	25RB#12	21.31	0.77	22.08	0.1614
Band41	10MHz	QPSK	39700	25RB#25	21.32	0.77	22.09	0.1618
Band41	10MHz	QPSK	39700	50RB#0	21.27	0.77	22.04	0.1600
Band41	10MHz	QPSK	40620	1RB#0	23.01	0.77	23.78	0.2388
Band41	10MHz	QPSK	40620	1RB#24	23.14	0.77	23.91	0.2460
Band41	10MHz	QPSK	40620	1RB#49	23.28	0.77	24.05	0.2541
Band41	10MHz	QPSK	40620	25RB#0	22.29	0.77	23.06	0.2023
Band41	10MHz	QPSK	40620	25RB#12	22.20	0.77	22.97	0.1982
Band41	10MHz	QPSK	40620	25RB#25	22.33	0.77	23.10	0.2042
Band41	10MHz	QPSK	40620	50RB#0	22.32	0.77	23.09	0.2037
Band41	10MHz	QPSK	41540	1RB#0	23.30	0.77	24.07	0.2553
Band41	10MHz	QPSK	41540	1RB#24	23.25	0.77	24.02	0.2523
Band41	10MHz	QPSK	41540	1RB#49	23.36	0.77	24.13	0.2588
Band41	10MHz	QPSK	41540	25RB#0	22.34	0.77	23.11	0.2046
Band41	10MHz	QPSK	41540	25RB#12	22.34	0.77	23.11	0.2046
Band41	10MHz	QPSK	41540	25RB#25	22.36	0.77	23.13	0.2056
Band41	10MHz	QPSK	41540	50RB#0	22.32	0.77	23.09	0.2037
Band41	10MHz	16QAM	39700	1RB#0	21.69	0.77	22.46	0.1762
Band41	10MHz	16QAM	39700	1RB#24	21.69	0.77	22.46	0.1762
Band41	10MHz	16QAM	39700	1RB#49	21.78	0.77	22.55	0.1799
Band41	10MHz	16QAM	39700	25RB#0	20.43	0.77	21.20	0.1318
Band41	10MHz	16QAM	39700	25RB#12	20.46	0.77	21.23	0.1327
Band41	10MHz	16QAM	39700	25RB#25	20.53	0.77	21.30	0.1349
Band41	10MHz	16QAM	39700	50RB#0	20.40	0.77	21.17	0.1309
Band41	10MHz	16QAM	40620	1RB#0	22.47	0.77	23.24	0.2109
Band41	10MHz	16QAM	40620	1RB#24	22.57	0.77	23.34	0.2158
Band41	10MHz	16QAM	40620	1RB#49	22.70	0.77	23.47	0.2223
Band41	10MHz	16QAM	40620	25RB#0	21.31	0.77	22.08	0.1614
Band41	10MHz	16QAM	40620	25RB#12	21.31	0.77	22.08	0.1614
Band41	10MHz	16QAM	40620	25RB#25	21.47	0.77	22.24	0.1675
Band41	10MHz	16QAM	40620	50RB#0	21.34	0.77	22.11	0.1626
Band41	10MHz	16QAM	41540	1RB#0	22.69	0.77	23.46	0.2218
Band41	10MHz	16QAM	41540	1RB#24	22.65	0.77	23.42	0.2198
Band41	10MHz	16QAM	41540	1RB#49	22.73	0.77	23.50	0.2239

Band41	10MHz	16QAM	41540	25RB#0	21.45	0.77	22.22	0.1667
Band41	10MHz	16QAM	41540	25RB#12	21.43	0.77	22.20	0.1660
Band41	10MHz	16QAM	41540	25RB#25	21.54	0.77	22.31	0.1702
Band41	10MHz	16QAM	41540	50RB#0	21.48	0.77	22.25	0.1679
Band41	15MHz	QPSK	39725	1RB#0	22.29	0.77	23.06	0.2023
Band41	15MHz	QPSK	39725	1RB#38	22.34	0.77	23.11	0.2046
Band41	15MHz	QPSK	39725	1RB#74	22.30	0.77	23.07	0.2028
Band41	15MHz	QPSK	39725	38RB#0	21.29	0.77	22.06	0.1607
Band41	15MHz	QPSK	39725	38RB#18	21.29	0.77	22.06	0.1607
Band41	15MHz	QPSK	39725	38RB#37	21.28	0.77	22.05	0.1603
Band41	15MHz	QPSK	39725	75RB#0	21.28	0.77	22.05	0.1603
Band41	15MHz	QPSK	40620	1RB#0	23.12	0.77	23.89	0.2449
Band41	15MHz	QPSK	40620	1RB#38	23.13	0.77	23.90	0.2455
Band41	15MHz	QPSK	40620	1RB#74	23.26	0.77	24.03	0.2529
Band41	15MHz	QPSK	40620	38RB#0	22.09	0.77	22.86	0.1932
Band41	15MHz	QPSK	40620	38RB#18	22.33	0.77	23.10	0.2042
Band41	15MHz	QPSK	40620	38RB#37	22.33	0.77	23.10	0.2042
Band41	15MHz	QPSK	40620	75RB#0	22.28	0.77	23.05	0.2018
Band41	15MHz	QPSK	41515	1RB#0	23.46	0.77	24.23	0.2649
Band41	15MHz	QPSK	41515	1RB#38	23.55	0.77	24.32	0.2704
Band41	15MHz	QPSK	41515	1RB#74	23.42	0.77	24.19	0.2624
Band41	15MHz	QPSK	41515	38RB#0	22.38	0.77	23.15	0.2065
Band41	15MHz	QPSK	41515	38RB#18	22.38	0.77	23.15	0.2065
Band41	15MHz	QPSK	41515	38RB#37	22.34	0.77	23.11	0.2046
Band41	15MHz	QPSK	41515	75RB#0	22.31	0.77	23.08	0.2032
Band41	15MHz	16QAM	39725	1RB#0	21.73	0.77	22.50	0.1778
Band41	15MHz	16QAM	39725	1RB#38	21.71	0.77	22.48	0.1770
Band41	15MHz	16QAM	39725	1RB#74	21.74	0.77	22.51	0.1782
Band41	15MHz	16QAM	39725	38RB#0	21.27	0.77	22.04	0.1600
Band41	15MHz	16QAM	39725	38RB#18	21.30	0.77	22.07	0.1611
Band41	15MHz	16QAM	39725	38RB#37	21.26	0.77	22.03	0.1596
Band41	15MHz	16QAM	39725	75RB#0	20.45	0.77	21.22	0.1324
Band41	15MHz	16QAM	40620	1RB#0	22.53	0.77	23.30	0.2138
Band41	15MHz	16QAM	40620	1RB#38	22.67	0.77	23.44	0.2208
Band41	15MHz	16QAM	40620	1RB#74	22.63	0.77	23.40	0.2188
Band41	15MHz	16QAM	40620	38RB#0	22.20	0.77	22.97	0.1982
Band41	15MHz	16QAM	40620	38RB#18	22.19	0.77	22.96	0.1977
Band41	15MHz	16QAM	40620	38RB#37	22.07	0.77	22.84	0.1923
Band41	15MHz	16QAM	40620	75RB#0	21.18	0.77	21.95	0.1567
Band41	15MHz	16QAM	41515	1RB#0	22.60	0.77	23.37	0.2173
Band41	15MHz	16QAM	41515	1RB#38	22.52	0.77	23.29	0.2133

Band41	15MHz	16QAM	41515	1RB#74	22.35	0.77	23.12	0.2051
Band41	15MHz	16QAM	41515	38RB#0	22.40	0.77	23.17	0.2075
Band41	15MHz	16QAM	41515	38RB#18	22.28	0.77	23.05	0.2018
Band41	15MHz	16QAM	41515	38RB#37	22.32	0.77	23.09	0.2037
Band41	15MHz	16QAM	41515	75RB#0	21.58	0.77	22.35	0.1718
Band41	20MHz	QPSK	39750	1RB#0	22.31	0.77	23.08	0.2032
Band41	20MHz	QPSK	39750	1RB#49	22.32	0.77	23.09	0.2037
Band41	20MHz	QPSK	39750	1RB#99	22.37	0.77	23.14	0.2061
Band41	20MHz	QPSK	39750	50RB#0	21.38	0.77	22.15	0.1641
Band41	20MHz	QPSK	39750	50RB#25	21.37	0.77	22.14	0.1637
Band41	20MHz	QPSK	39750	50RB#50	21.36	0.77	22.13	0.1633
Band41	20MHz	QPSK	39750	100RB#0	21.37	0.77	22.14	0.1637
Band41	20MHz	QPSK	40620	1RB#0	23.25	0.77	24.02	0.2523
Band41	20MHz	QPSK	40620	1RB#49	23.17	0.77	23.94	0.2477
Band41	20MHz	QPSK	40620	1RB#99	23.36	0.77	24.13	0.2588
Band41	20MHz	QPSK	40620	50RB#0	22.21	0.77	22.98	0.1986
Band41	20MHz	QPSK	40620	50RB#25	22.17	0.77	22.94	0.1968
Band41	20MHz	QPSK	40620	50RB#50	22.39	0.77	23.16	0.2070
Band41	20MHz	QPSK	40620	100RB#0	22.22	0.77	22.99	0.1991
Band41	20MHz	QPSK	41490	1RB#0	23.44	0.77	24.21	0.2636
Band41	20MHz	QPSK	41490	1RB#49	23.46	0.77	24.23	0.2649
Band41	20MHz	QPSK	41490	1RB#99	23.33	0.77	24.10	0.2570
Band41	20MHz	QPSK	41490	50RB#0	22.45	0.77	23.22	0.2099
Band41	20MHz	QPSK	41490	50RB#25	22.51	0.77	23.28	0.2128
Band41	20MHz	QPSK	41490	50RB#50	22.49	0.77	23.26	0.2118
Band41	20MHz	QPSK	41490	100RB#0	22.44	0.77	23.21	0.2094
Band41	20MHz	16QAM	39750	1RB#0	21.51	0.77	22.28	0.1690
Band41	20MHz	16QAM	39750	1RB#49	21.64	0.77	22.41	0.1742
Band41	20MHz	16QAM	39750	1RB#99	21.60	0.77	22.37	0.1726
Band41	20MHz	16QAM	39750	50RB#0	20.49	0.77	21.26	0.1337
Band41	20MHz	16QAM	39750	50RB#25	20.47	0.77	21.24	0.1330
Band41	20MHz	16QAM	39750	50RB#50	20.52	0.77	21.29	0.1346
Band41	20MHz	16QAM	39750	100RB#0	20.50	0.77	21.27	0.1340
Band41	20MHz	16QAM	40620	1RB#0	22.46	0.77	23.23	0.2104
Band41	20MHz	16QAM	40620	1RB#49	22.28	0.77	23.05	0.2018
Band41	20MHz	16QAM	40620	1RB#99	22.56	0.77	23.33	0.2153
Band41	20MHz	16QAM	40620	50RB#0	21.29	0.77	22.06	0.1607
Band41	20MHz	16QAM	40620	50RB#25	21.28	0.77	22.05	0.1603
Band41	20MHz	16QAM	40620	50RB#50	21.42	0.77	22.19	0.1656
Band41	20MHz	16QAM	40620	100RB#0	21.33	0.77	22.10	0.1622
Band41	20MHz	16QAM	41490	1RB#0	22.62	0.77	23.39	0.2183

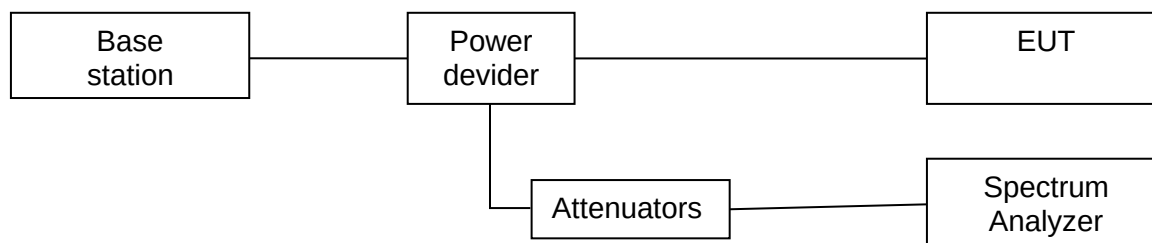
Band41	20MHz	16QAM	41490	1RB#49	22.67	0.77	23.44	0.2208
Band41	20MHz	16QAM	41490	1RB#99	22.56	0.77	23.33	0.2153
Band41	20MHz	16QAM	41490	50RB#0	21.55	0.77	22.32	0.1706
Band41	20MHz	16QAM	41490	50RB#25	21.56	0.77	22.33	0.1710
Band41	20MHz	16QAM	41490	50RB#50	21.47	0.77	22.24	0.1675
Band41	20MHz	16QAM	41490	100RB#0	21.48	0.77	22.25	0.1679

5.3 Peak-to-Average Ratio (CCDF)

5.3.1 Limits

Not exceed 13 dB

5.3.2 Test setup



5.3.3 Test procedure

FCC: CFR Part 24.232 (d), 27.50(a)

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

According to KDB 971168 5.7.1:

Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;

Set the number of counts to a value that stabilizes the measured CCDF curve;

Set the measurement interval to 1 ms

Record the maximum PAPR level associated with a probability of 0.1%

5.3.4 Test results

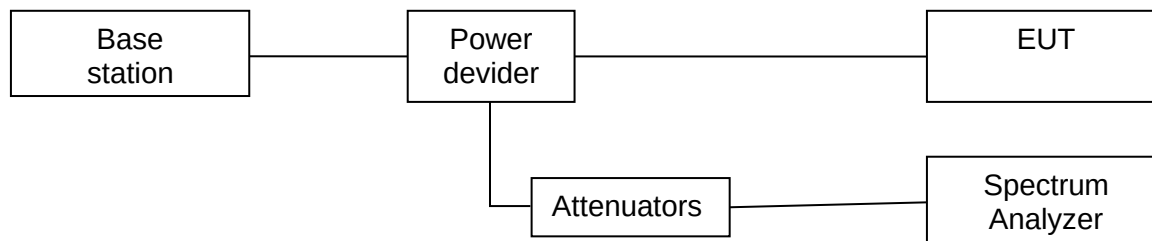
Note: see the Appendix B of Appendix for LTE.

5.4 26dB Bandwidth and occupied bandwidth

5.4.1 Limits

None, for reporting purposes only.

5.4.2 Test setup



5.4.3 Test procedures

The EUT' RF output port was connected to Spectrum Analyzer and Base Station via power divider. Spectrum analyzer's occupied bandwidth measure function was used to measure 99% bandwidth and -26dBc bandwidth

5.4.4 Test results

Note: see the Appendix C of Appendix for LTE.

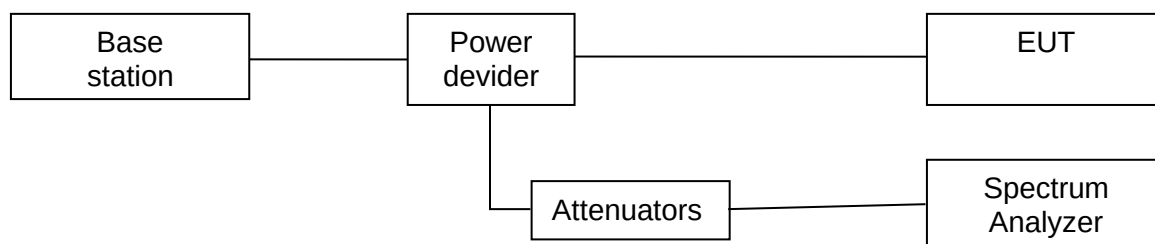
5.5 Conducted emissions at the band edge

5.5.1 Limits

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

5.5.2 Test setup



5.5.3 Test procedure

The testing follows FCC KDB 971168 v03 Section 6.0.

The EUT was connected to spectrum analyzer and system simulator via a power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The middle channel for the highest RF power within the transmitting frequency was measured.

The conducted spurious emission for the whole frequency range was taken.

Make the measurement with the spectrum analyzer's RBW = 200kHz, VBW = 620kHz.

Set spectrum analyzer with RMS detector.

Taking the record of maximum spurious emission.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$= P(W) - [43 + 10\log(P)]$ (dB)

$= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)

$= -13$ dBm.

5.5.4 Test results

Note: see the Appendix D of Appendix for LTE.

5.6 Conducted spurious emissions

5.6.1 Limits

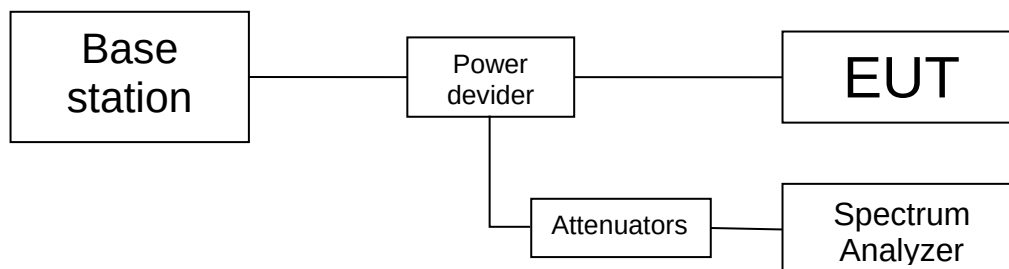
LTE Band 2, LTE Band 4, LTE Band 5, LTE Band 17: -13dBm

LTE Band 7, LTE Band 41: For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph(m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

LTE Band 13: For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
- (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

5.6.2 Test setup



5.6.3 Test procedure

- a) The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
- b) The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
- c) For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.
- d) Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.

5.6.4 Test results

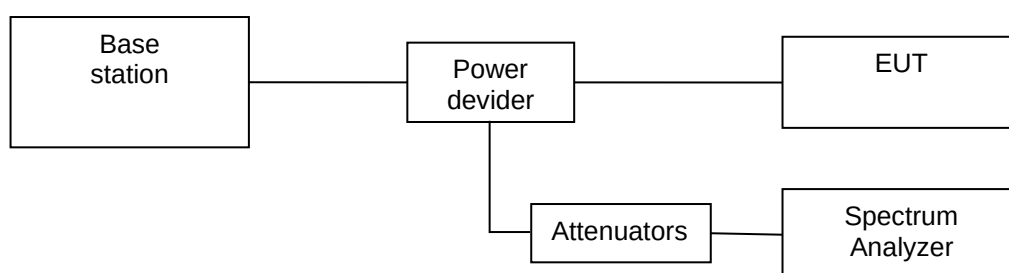
Note: see the Appendix E of Appendix for LTE.

5.7 Frequency Stability

5.7.1 Limits

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d) (2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3.42VDC and 4.18VDC, with a nominal voltage of 3.8VDC. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from over stress. These voltages represent a tolerance from -5.4% to 10.8%. For the purposes of measuring frequency stability these voltage limits are to be used.

5.7.2 Test setup



5.7.3 Test procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.

5.7.4 Test results

Note: see the Appendix F of Appendix for LTE.

5.8 Field strength of spurious radiation measurement

5.8.1 Limits

LTE Band 2, LTE Band 2, LTE Band 4, LTE Band 5, LTE Band 17: -13dBm

LTE Band 7, LTE Band 41: For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph(m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

LTE Band 13: For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
- (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

5.8.2 Test procedure

1. Place the EUT in the center of the turntable.
 - a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
 - b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
2. Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
4. Receiver or Spectrum set as follow:
Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto
Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
5. Each emission under consideration shall be evaluated:
 - a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
 - b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
 - c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
 - d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
 - e) Record the measured emission amplitude level and frequency
6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
7. Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
10. For each emission that was detected and measured in the initial test
 - a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
 - b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.

- c) Record the output power level of the signal generator when equivalence is achieved in step b).
11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:

$$P_e = P_s(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

where

P_e = equivalent emission power in dBm

P_s = source (signal generator) power in dBm

NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.

13. Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from:

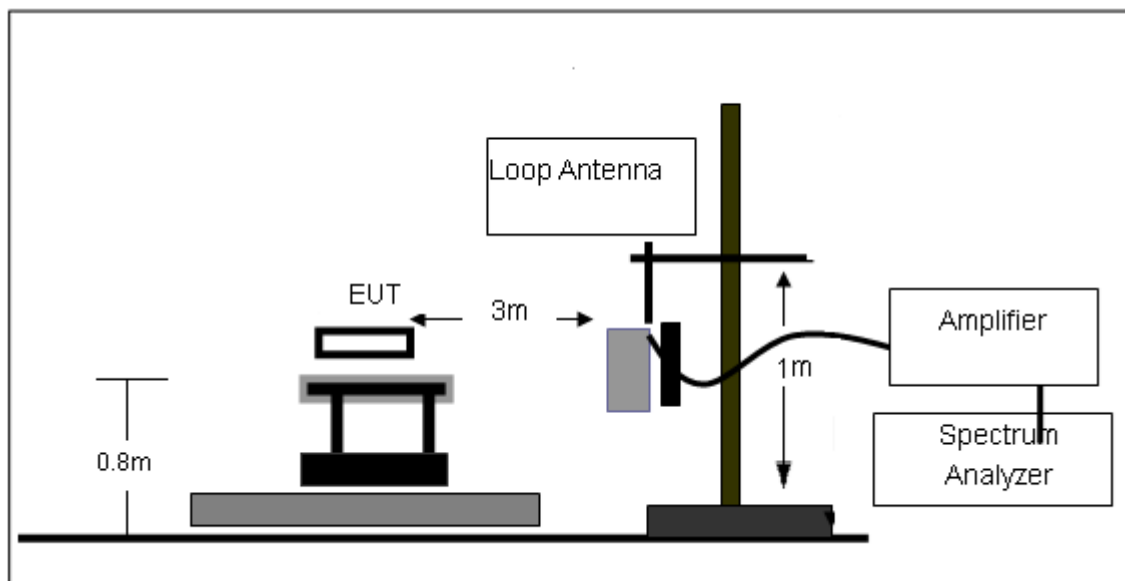
gain (dBd) = gain (dBi) – 2.15 dB.

If necessary, the antenna gain can be calculated from calibrated antenna factor information

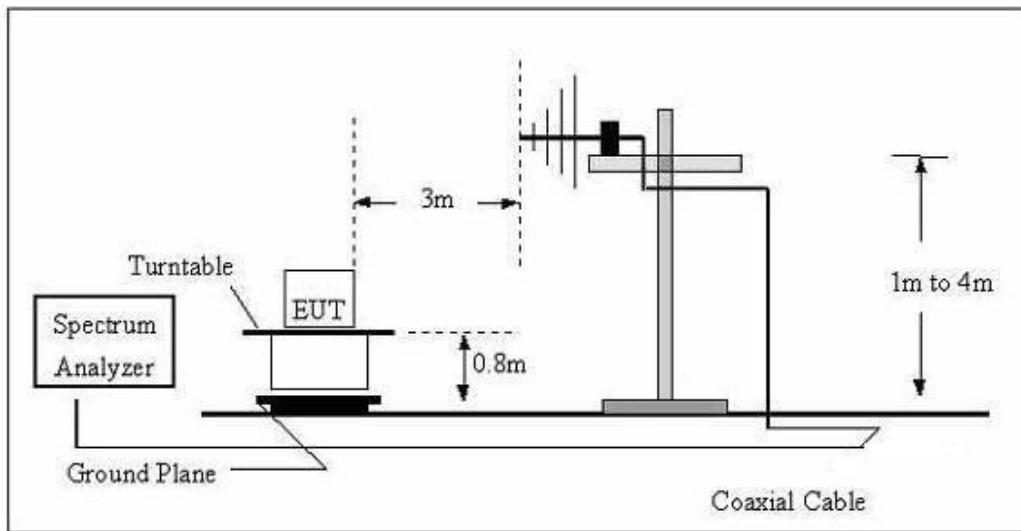
14. Provide the complete measurement results as a part of the test report.

5.8.3 Test setup

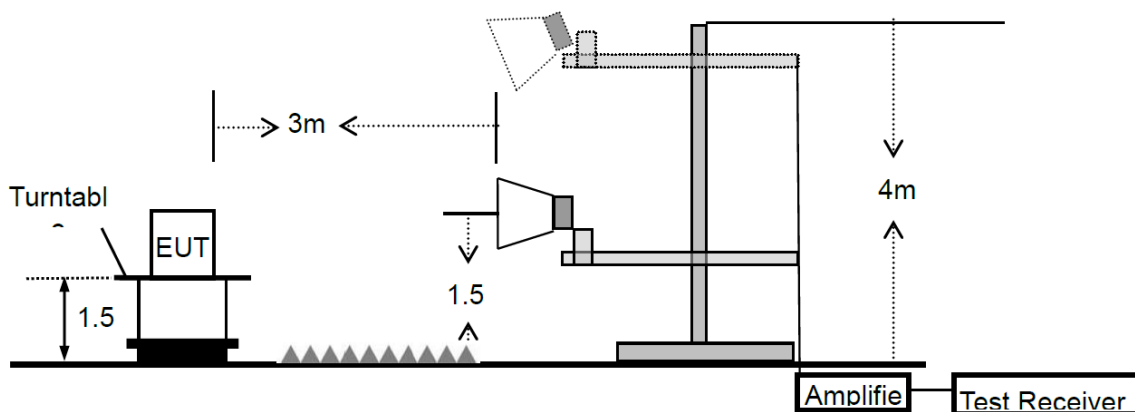
Radiated emission test-up frequency below 30MHz



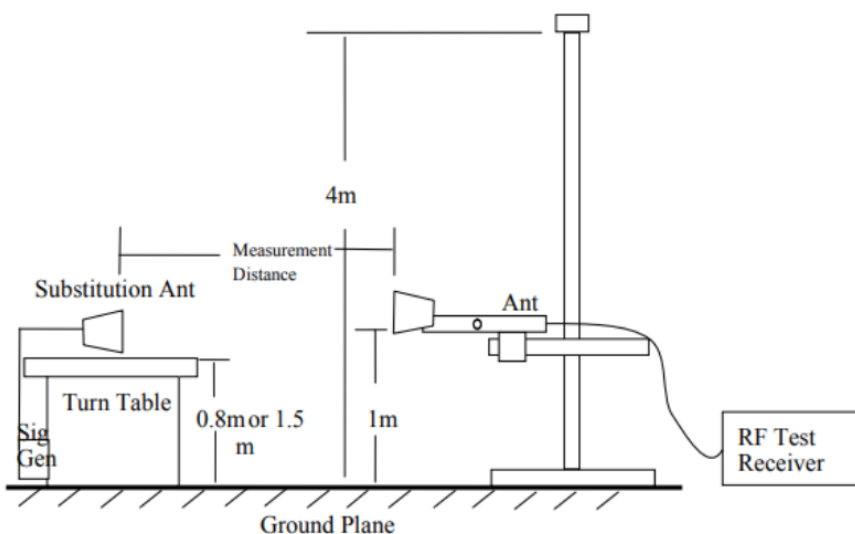
Radiated emission test-up frequency 30MHz~1GHz



Radiated emission test-up frequency above 1GHz



Substitution method



5.8.4 Test results

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band2-5MHZ-19175-1907.5						
40.7373	-58.53	-11.23	-69.76	-13.00	-57.68	V
233.3487	-64.20	-8.22	-72.42	-13.00	-63.83	V
266.7258	-55.43	-7.65	-63.08	-13.00	-63.31	V
333.3943	-58.43	-4.86	-63.29	-13.00	-62.09	V
400.0810	-59.56	-4.45	-64.01	-13.00	-58.41	V
466.8255	-61.81	-3.28	-65.09	-13.00	-55.70	V
41.3671	-66.13	-5.73	-71.86	-13.00	-58.75	H
233.3487	-56.34	-9.02	-65.36	-13.00	-64.97	H
266.7258	-39.50	-7.98	-47.48	-13.00	-64.41	H
333.3943	-39.54	-5.14	-44.68	-13.00	-58.54	H
400.0810	-49.24	-4.35	-53.59	-13.00	-58.44	H
800.0310	-57.55	-1.06	-58.61	-13.00	-54.15	H

13-21IS/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band2-5MHZ-19175-1907.5						
42.5067	-61.55	-10.41	-71.96	-13.00	-58.96	V
96.6901	-74.47	-3.30	-77.77	-13.00	-64.77	V
196.4236	-66.77	-10.03	-76.80	-13.00	-63.80	V
321.0608	-66.98	-5.56	-72.54	-13.00	-59.54	V
424.0976	-66.79	-3.71	-70.50	-13.00	-57.50	V
751.7540	-65.84	-0.15	-65.99	-13.00	-52.99	V
45.0386	-66.53	-5.55	-72.08	-13.00	-59.08	H
101.2441	-65.92	-10.42	-76.34	-13.00	-63.34	H
192.0815	-62.01	-10.12	-72.13	-13.00	-59.13	H
285.2267	-64.66	-7.12	-71.78	-13.00	-58.78	H
422.0577	-66.32	-4.15	-70.47	-13.00	-57.47	H
658.2589	-65.52	-1.86	-67.38	-13.00	-54.38	H

15-21NX

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band2-5MHZ-19175-1907.5						
42.5253	-61.10	-10.40	-71.50	-13.00	-58.50	V
98.9192	-73.62	-3.14	-76.76	-13.00	-63.76	V
192.8407	-66.43	-9.64	-76.07	-13.00	-63.07	V
365.6993	-67.49	-3.98	-71.47	-13.00	-58.47	V
554.5823	-67.85	-1.29	-69.14	-13.00	-56.14	V
748.1381	-65.78	-0.18	-65.96	-13.00	-52.96	V
44.0430	-66.30	-5.59	-71.89	-13.00	-58.89	H
98.6162	-66.48	-10.51	-76.99	-13.00	-63.99	H
156.0468	-61.84	-13.41	-75.25	-13.00	-62.25	H
225.5056	-63.32	-8.85	-72.17	-13.00	-59.17	H
362.9844	-65.14	-4.80	-69.94	-13.00	-56.94	H
574.6258	-65.30	-3.39	-68.69	-13.00	-55.69	H

Radiated emissions 1 GHz ~ 25 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band2-5MHZ-19175-1907.5						
3815.000	-65.83	16.78	-49.05	-13.00	-36.05	V
3815.000	-72.17	16.78	-55.39	-13.00	-42.39	V
5722.500	-64.02	19.37	-44.65	-13.00	-31.65	V
5722.500	-69.63	19.37	-50.26	-13.00	-37.26	V
7630.000	-65.83	25.71	-40.12	-13.00	-27.12	V
7630.000	-72.04	25.71	-46.33	-13.00	-33.33	V
3815.000	-64.05	17.10	-46.95	-13.00	-33.95	H
3815.000	-69.77	17.10	-52.67	-13.00	-39.67	H
5722.500	-61.47	19.39	-42.08	-13.00	-29.08	H
5722.500	-68.61	19.39	-49.22	-13.00	-36.22	H
7630.000	-66.25	25.57	-40.68	-13.00	-27.68	H
7630.000	-71.96	25.57	-46.39	-13.00	-33.39	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band4-5MHZ-20375-1752.5						
40.7373	-56.03	-11.23	-67.26	-13.00	-54.26	V
101.0225	-68.61	-3.31	-71.92	-13.00	-58.92	V
266.7258	-53.93	-7.65	-61.58	-13.00	-48.58	V
333.3943	-56.93	-4.86	-61.79	-13.00	-48.79	V
400.0810	-58.06	-4.45	-62.51	-13.00	-49.51	V
466.8255	-61.31	-3.28	-64.59	-13.00	-51.59	V
148.8319	-48.01	-13.85	-61.86	-13.00	-48.86	H
266.7258	-37.54	-7.98	-45.52	-13.00	-32.52	H
333.3943	-38.78	-5.14	-43.92	-13.00	-30.92	H
400.0810	-48.44	-4.35	-52.79	-13.00	-39.79	H
466.8255	-54.19	-4.89	-59.08	-13.00	-46.08	H
800.0310	-56.88	-1.06	-57.94	-13.00	-44.94	H

13-21IC/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band4-5MHZ-20375-1752.5						
41.0240	-61.02	-11.10	-72.12	-13.00	-59.12	V
102.8093	-73.52	-3.72	-77.24	-13.00	-64.24	V
211.7120	-65.43	-9.47	-74.90	-13.00	-61.90	V
287.2340	-66.74	-6.51	-73.25	-13.00	-60.25	V
354.0279	-66.75	-3.57	-70.32	-13.00	-57.32	V
687.7533	-66.40	-1.18	-67.58	-13.00	-54.58	V
44.4892	-66.33	-5.57	-71.90	-13.00	-58.90	H
102.0014	-66.54	-10.51	-77.05	-13.00	-64.05	H
200.7760	-62.37	-10.27	-72.64	-13.00	-59.64	H
334.5655	-65.31	-5.08	-70.39	-13.00	-57.39	H
562.4158	-66.08	-3.43	-69.51	-13.00	-56.51	H
770.4348	-65.27	-0.46	-65.73	-13.00	-52.73	H

15-21NX

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band4-5MHZ-20375-1752.5						
42.1172	-59.98	-10.59	-70.57	-13.00	-57.57	V
101.0668	-74.00	-3.32	-77.32	-13.00	-64.32	V
222.5597	-66.24	-8.61	-74.85	-13.00	-61.85	V
388.6728	-66.92	-4.39	-71.31	-13.00	-58.31	V
494.6319	-67.46	-2.26	-69.72	-13.00	-56.72	V
750.4371	-66.60	-0.16	-66.76	-13.00	-53.76	V
50.3427	-65.36	-6.76	-72.12	-13.00	-59.12	H
99.6154	-66.36	-10.34	-76.70	-13.00	-63.70	H
192.2500	-63.46	-10.13	-73.59	-13.00	-60.59	H
329.6164	-65.13	-5.31	-70.44	-13.00	-57.44	H
422.4279	-64.88	-4.14	-69.02	-13.00	-56.02	H
611.5279	-66.11	-2.25	-68.36	-13.00	-55.36	H

Radiated emissions 1 GHz ~ 25 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band4-5MHZ-20375-1752.5						
3505.000	-64.54	15.77	-48.77	-13.00	-35.77	V
3505.000	-70.45	15.77	-54.68	-13.00	-41.68	V
5257.500	-62.03	18.68	-43.35	-13.00	-30.35	V
5257.500	-68.35	18.68	-49.67	-13.00	-36.67	V
7010.000	-65.94	22.91	-43.03	-13.00	-30.03	V
7010.000	-72.28	22.91	-49.37	-13.00	-36.37	V
3505.000	-64.80	15.97	-48.83	-13.00	-35.83	H
3505.000	-70.36	15.97	-54.39	-13.00	-41.39	H
5257.500	-64.09	18.73	-45.36	-13.00	-32.36	H
5257.500	-70.29	18.73	-51.56	-13.00	-38.56	H
7010.000	-65.89	22.78	-43.11	-13.00	-30.11	H
7010.000	-72.15	22.78	-49.37	-13.00	-36.37	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band5-3MHZ-20635-847.5						
41.2042	-59.49	-11.01	-70.50	-13.00	-57.50	V
47.0360	-61.66	-9.47	-71.13	-13.00	-58.13	V
266.7258	-55.20	-7.65	-62.85	-13.00	-49.85	V
333.3943	-57.94	-4.86	-62.80	-13.00	-49.80	V
400.0810	-59.82	-4.45	-64.27	-13.00	-51.27	V
466.8255	-62.44	-3.28	-65.72	-13.00	-52.72	V
233.3487	-56.30	-9.02	-65.32	-13.00	-52.32	H
266.7258	-39.73	-7.98	-47.71	-13.00	-34.71	H
299.9725	-47.51	-6.88	-54.39	-13.00	-41.39	H
333.3943	-39.77	-5.14	-44.91	-13.00	-31.91	H
400.0810	-49.56	-4.35	-53.91	-13.00	-40.91	H
466.8255	-54.90	-4.89	-59.79	-13.00	-46.79	H

13-21IC/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band5-3MHZ-20635-847.5						
42.1726	-61.30	-10.57	-71.87	-13.00	-58.87	V
98.9626	-74.36	-3.14	-77.50	-13.00	-64.50	V
132.5687	-68.69	-9.38	-78.07	-13.00	-65.07	V
223.0480	-67.07	-8.57	-75.64	-13.00	-62.64	V
418.0073	-66.93	-3.90	-70.83	-13.00	-57.83	V
891.8998	-56.06	1.11	-54.95	-13.00	-41.95	V
44.3528	-65.13	-5.57	-70.70	-13.00	-57.70	H
111.2005	-65.77	-11.67	-77.44	-13.00	-64.44	H
198.5009	-62.27	-10.28	-72.55	-13.00	-59.55	H
335.0057	-65.72	-5.06	-70.78	-13.00	-57.78	H
495.0657	-65.50	-4.21	-69.71	-13.00	-56.71	H
893.0734	-51.43	1.04	-50.39	-13.00	-37.39	H

15-21NX

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band5-3MHZ-20635-847.5						
43.0316	-61.68	-10.17	-71.85	-13.00	-58.85	V
100.1407	-73.93	-3.10	-77.03	-13.00	-64.03	V
213.0151	-66.59	-9.37	-75.96	-13.00	-62.96	V
356.0510	-66.49	-3.64	-70.13	-13.00	-57.13	V
581.2119	-69.17	-0.34	-69.51	-13.00	-56.51	V
891.8998	-58.37	1.11	-57.26	-13.00	-44.26	V
43.0316	-61.68	-10.17	-71.85	-13.00	-58.85	H
100.1407	-73.93	-3.10	-77.03	-13.00	-64.03	H
213.0151	-66.59	-9.37	-75.96	-13.00	-62.96	H
356.0510	-66.49	-3.64	-70.13	-13.00	-57.13	H
581.2119	-69.17	-0.34	-69.51	-13.00	-56.51	H
891.8998	-58.37	1.11	-57.26	-13.00	-44.26	H

Radiated emissions 1 GHz ~ 25 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band5-3MHZ-20635-847.5						
1695.000	-63.59	12.77	-50.82	-13.00	-37.82	V
1695.000	-69.45	12.77	-56.68	-13.00	-43.68	V
2542.500	-57.90	14.06	-43.84	-13.00	-30.84	V
2542.500	-63.73	14.06	-49.67	-13.00	-36.67	V
3390.000	-63.76	15.83	-47.93	-13.00	-34.93	V
3390.000	-69.28	15.83	-53.45	-13.00	-40.45	V
1695.000	-64.03	12.57	-51.46	-13.00	-38.46	H
1695.000	-70.09	12.57	-57.52	-13.00	-44.52	H
2542.500	-61.81	14.38	-47.43	-13.00	-34.43	H
2542.500	-67.64	14.38	-53.26	-13.00	-40.26	H
3390.000	-64.95	15.98	-48.97	-13.00	-35.97	H
3390.000	-70.53	15.98	-54.55	-13.00	-41.55	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band7-15MHZ-21375-2562.5						
41.4942	-57.76	-10.88	-68.64	-25.00	-43.64	V
62.4040	-55.53	-9.40	-64.93	-25.00	-39.93	V
266.7258	-54.64	-7.65	-62.29	-25.00	-37.29	V
333.3943	-57.55	-4.86	-62.41	-25.00	-37.41	V
400.0810	-59.87	-4.45	-64.32	-25.00	-39.32	V
466.8255	-63.93	-3.28	-67.21	-25.00	-42.21	V
200.0732	-57.54	-10.32	-67.86	-25.00	-42.86	H
266.7258	-40.95	-7.98	-48.93	-25.00	-23.93	H
333.3943	-41.11	-5.14	-46.25	-25.00	-21.25	H
400.0810	-50.64	-4.35	-54.99	-25.00	-29.99	H
466.8255	-57.53	-4.89	-62.42	-25.00	-37.42	H
800.0310	-58.41	-1.06	-59.47	-25.00	-34.47	H

13-21IC/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band7-15MHZ-21375-2562.5						
43.7352	-62.19	-9.84	-72.03	-25.00	-59.03	V
105.2256	-72.55	-4.27	-76.82	-25.00	-63.82	V
188.9086	-67.75	-9.45	-77.20	-25.00	-64.20	V
344.9898	-67.33	-3.86	-71.19	-25.00	-58.19	V
607.7867	-68.12	0.17	-67.95	-25.00	-54.95	V
786.8160	-65.99	-0.25	-66.24	-25.00	-53.24	V
42.2281	-66.08	-5.68	-71.76	-25.00	-58.76	H
103.2157	-66.38	-10.66	-77.04	-25.00	-64.04	H
180.0165	-61.64	-11.54	-73.18	-25.00	-60.18	H
336.6248	-64.34	-4.99	-69.33	-25.00	-56.33	H
540.4242	-66.18	-3.55	-69.73	-25.00	-56.73	H
766.0571	-65.45	-0.46	-65.91	-25.00	-52.91	H

15-21NX

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band7-15MHZ-21375-2562.5						
46.7688	-62.24	-9.44	-71.68	-25.00	-58.68	V
100.4045	-73.16	-3.16	-76.32	-25.00	-63.32	V
187.1778	-66.65	-9.63	-76.28	-25.00	-63.28	V
343.6316	-67.59	-3.98	-71.57	-25.00	-58.57	V
613.4071	-68.21	0.37	-67.84	-25.00	-54.84	V
874.4800	-66.16	0.90	-65.26	-25.00	-52.26	V
49.7722	-65.62	-6.62	-72.24	-25.00	-59.24	H
98.3571	-66.61	-10.56	-77.17	-25.00	-64.17	H
187.6707	-63.40	-10.41	-73.81	-25.00	-60.81	H
340.4831	-65.19	-4.81	-70.00	-25.00	-57.00	H
418.9244	-64.09	-4.18	-68.27	-25.00	-55.27	H
766.3931	-64.84	-0.46	-65.30	-25.00	-52.30	H

Radiated emissions 1 GHz ~ 40 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band7-15MHZ-21375-2562.5						
5125.000	-66.86	18.92	-47.94	-25.00	-22.94	V
5125.000	-72.37	18.92	-53.45	-25.00	-28.45	V
7687.500	-65.80	25.97	-39.83	-25.00	-14.83	V
7687.500	-71.29	25.97	-45.32	-25.00	-20.32	V
10250.000	-66.23	29.00	-37.23	-25.00	-12.23	V
10250.000	-72.69	29.00	-43.69	-25.00	-18.69	V
5125.000	-67.47	19.04	-48.43	-25.00	-23.43	H
5125.000	-73.56	19.04	-54.52	-25.00	-29.52	H
7687.500	-66.18	25.82	-40.36	-25.00	-15.36	H
7687.500	-72.34	25.82	-46.52	-25.00	-21.52	H
10250.000	-65.94	29.07	-36.87	-25.00	-11.87	H
10250.000	-71.40	29.07	-42.33	-25.00	-17.33	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band13-5MHZ-23205-779.5						
39.0758	-58.55	-12.26	-70.81	-13.00	-57.81	V
99.2232	-74.12	-3.12	-77.24	-13.00	-64.24	V
266.7258	-55.90	-7.65	-63.55	-13.00	-50.55	V
333.3943	-57.82	-4.86	-62.68	-13.00	-49.68	V
400.0810	-58.38	-4.45	-62.83	-13.00	-49.83	V
466.8255	-62.64	-3.28	-65.92	-13.00	-52.92	V
44.3141	-66.08	-5.58	-71.66	-13.00	-58.66	H
233.3487	-56.06	-9.02	-65.08	-13.00	-52.08	H
266.7258	-39.77	-7.98	-47.75	-13.00	-34.75	H
333.3943	-39.71	-5.14	-44.85	-13.00	-31.85	H
400.0810	-49.05	-4.35	-53.40	-13.00	-40.40	H
466.8255	-55.32	-4.89	-60.21	-13.00	-47.21	H

13-21IC/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band13-5MHZ-23205-779.5						
43.7352	-61.84	-9.84	-71.68	-13.00	-58.68	V
58.1775	-63.92	-9.53	-73.45	-13.00	-60.45	V
100.7130	-73.91	-3.23	-77.14	-13.00	-64.14	V
227.0926	-66.74	-8.36	-75.10	-13.00	-62.10	V
281.2538	-65.64	-7.02	-72.66	-13.00	-59.66	V
750.7661	-55.84	-0.16	-56.00	-13.00	-43.00	V
45.1770	-66.06	-5.58	-71.64	-13.00	-58.64	H
99.1363	-65.73	-10.42	-76.15	-13.00	-63.15	H
156.0468	-62.77	-13.41	-76.18	-13.00	-63.18	H
216.0240	-63.03	-9.37	-72.40	-13.00	-59.40	H
347.7225	-65.69	-4.47	-70.16	-13.00	-57.16	H
746.5003	-51.57	-0.54	-52.11	-13.00	-39.11	H

15-21NX

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band13-5MHZ-23205-779.5						
47.3463	-63.03	-9.50	-72.53	-13.00	-59.53	V
97.3278	-73.82	-3.25	-77.07	-13.00	-64.07	V
230.4013	-66.97	-8.29	-75.26	-13.00	-62.26	V
325.7386	-65.54	-5.52	-71.06	-13.00	-58.06	V
438.4632	-66.46	-3.74	-70.20	-13.00	-57.20	V
749.7795	-55.65	-0.16	-55.81	-13.00	-42.81	V
49.1651	-65.80	-6.48	-72.28	-13.00	-59.28	H
104.4901	-65.95	-10.82	-76.77	-13.00	-63.77	H
156.0468	-62.12	-13.41	-75.53	-13.00	-62.53	H
222.9502	-63.47	-8.96	-72.43	-13.00	-59.43	H
408.0507	-61.28	-4.28	-65.56	-13.00	-52.56	H
750.7661	-50.79	-0.43	-51.22	-13.00	-38.22	H

Radiated emissions 1 GHz ~ 25 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band13-5MHZ-23205-779.5						
1559.000	-58.12	13.44	-44.68	-13.00	-31.68	V
1559.000	-64.28	13.44	-50.84	-13.00	-37.84	V
2338.500	-58.35	13.77	-44.58	-13.00	-31.58	V
2338.500	-64.30	13.77	-50.53	-13.00	-37.53	V
3118.000	-64.53	16.02	-48.51	-13.00	-35.51	V
3118.000	-70.61	16.02	-54.59	-13.00	-41.59	V
1559.000	-59.77	13.02	-46.75	-13.00	-33.75	H
1559.000	-65.60	13.02	-52.58	-13.00	-39.58	H
2338.500	-61.69	14.00	-47.69	-13.00	-34.69	H
2338.500	-67.66	14.00	-53.66	-13.00	-40.66	H
3118.000	-64.33	16.05	-48.28	-13.00	-35.28	H
3118.000	-70.57	16.05	-54.52	-13.00	-41.52	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band17-5MHZ-23790-710						
40.4704	-58.96	-11.35	-70.31	-13.00	-57.31	V
97.1574	-73.10	-3.27	-76.37	-13.00	-63.37	V
266.7258	-55.76	-7.65	-63.41	-13.00	-50.41	V
333.3943	-58.03	-4.86	-62.89	-13.00	-49.89	V
400.0810	-59.93	-4.45	-64.38	-13.00	-51.38	V
466.8255	-63.64	-3.28	-66.92	-13.00	-53.92	V
38.7857	-66.06	-6.30	-72.36	-13.00	-59.36	H
233.3487	-55.91	-9.02	-64.93	-13.00	-51.93	H
266.7258	-39.41	-7.98	-47.39	-13.00	-34.39	H
333.3943	-39.53	-5.14	-44.67	-13.00	-31.67	H
400.0810	-50.09	-4.35	-54.44	-13.00	-41.44	H
466.8255	-55.21	-4.89	-60.10	-13.00	-47.10	H

13-21IC/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band17-5MHZ-23790-710						
40.5414	-60.73	-11.32	-72.05	-13.00	-59.05	V
102.4494	-73.47	-3.63	-77.10	-13.00	-64.10	V
231.2106	-66.44	-8.27	-74.71	-13.00	-61.71	V
389.8672	-66.66	-4.39	-71.05	-13.00	-58.05	V
528.9409	-68.12	-1.68	-69.80	-13.00	-56.80	V
741.9334	-53.78	-0.23	-54.01	-13.00	-41.01	V
42.6560	-65.64	-5.66	-71.30	-13.00	-58.30	H
99.2667	-66.47	-10.40	-76.87	-13.00	-63.87	H
180.0165	-62.28	-11.54	-73.82	-13.00	-60.82	H
216.0240	-63.14	-9.37	-72.51	-13.00	-59.51	H
360.4476	-65.94	-4.71	-70.65	-13.00	-57.65	H
741.9334	-51.05	-0.68	-51.73	-13.00	-38.73	H

15-21NX

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band17-5MHZ-23790-710						
54.8829	-63.84	-9.63	-73.47	-13.00	-60.47	V
103.1704	-73.44	-3.80	-77.24	-13.00	-64.24	V
221.6834	-66.44	-8.68	-75.12	-13.00	-62.12	V
340.4831	-66.25	-4.25	-70.50	-13.00	-57.50	V
484.7586	-67.36	-2.65	-70.01	-13.00	-57.01	V
738.3648	-55.07	-0.26	-55.33	-13.00	-42.33	V
41.3308	-66.44	-5.73	-72.17	-13.00	-59.17	H
96.6477	-65.89	-10.86	-76.75	-13.00	-63.75	H
216.0240	-62.90	-9.37	-72.27	-13.00	-59.27	H
289.0021	-64.84	-7.06	-71.90	-13.00	-58.90	H
430.6539	-64.36	-4.35	-68.71	-13.00	-55.71	H
740.3091	-51.03	-0.72	-51.75	-13.00	-38.75	H

Radiated emissions 1 GHz ~ 25 GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band17-5MHZ-23790-710						
1420.000	-58.96	13.54	-45.42	-13.00	-32.42	V
1420.000	-65.10	13.54	-51.56	-13.00	-38.56	V
2130.000	-63.46	12.64	-50.82	-13.00	-37.82	V
2130.000	-69.32	12.64	-56.68	-13.00	-43.68	V
2840.000	-65.05	15.39	-49.66	-13.00	-36.66	V
2840.000	-70.97	15.39	-55.58	-13.00	-42.58	V
1420.000	-58.22	13.27	-44.95	-13.00	-31.95	H
1420.000	-64.16	13.27	-50.89	-13.00	-37.89	H
2130.000	-65.46	13.00	-52.46	-13.00	-39.46	H
2130.000	-71.51	13.00	-58.51	-13.00	-45.51	H
2840.000	-64.03	15.48	-48.55	-13.00	-35.55	H
2840.000	-70.15	15.48	-54.67	-13.00	-41.67	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Radiated emissions between 30MHz – 1GHz

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band41-15MHZ-41515-2682.5						
40.8088	-59.29	-11.20	-70.49	-25.00	-45.49	V
49.5328	-62.39	-9.73	-72.12	-25.00	-47.12	V
266.7258	-55.08	-7.65	-62.73	-25.00	-37.73	V
333.3943	-57.17	-4.86	-62.03	-25.00	-37.03	V
400.0810	-60.36	-4.45	-64.81	-25.00	-39.81	V
466.8255	-63.88	-3.28	-67.16	-25.00	-42.16	V
45.3556	-66.70	-5.62	-72.32	-25.00	-47.32	H
99.4409	-62.79	-10.37	-73.16	-25.00	-48.16	H
266.7258	-40.44	-7.98	-48.42	-25.00	-23.42	H
333.3943	-41.45	-5.14	-46.59	-25.00	-21.59	H
400.0810	-50.24	-4.35	-54.59	-25.00	-29.59	H
800.3817	-59.09	-1.05	-60.14	-25.00	-35.14	H

13-21C/RC

Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Polarization
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	H/V
Band41-15MHZ-41515-2682.5						
44.4892	-61.64	-9.50	-71.14	-25.00	-58.14	V
104.9953	-72.89	-4.22	-77.11	-25.00	-64.11	V
156.0468	-68.31	-10.54	-78.85	-25.00	-65.85	V
221.9751	-65.28	-8.65	-73.93	-25.00	-60.93	V
400.4319	-66.35	-4.44	-70.79	-25.00	-57.79	V
740.3091	-65.95	-0.24	-66.19	-25.00	-53.19	V
45.7349	-64.78	-5.71	-70.49	-25.00	-57.49	H
101.5107	-66.38	-10.45	-76.83	-25.00	-63.83	H
187.3420	-62.79	-10.46	-73.25	-25.00	-60.25	H
283.1092	-64.83	-7.15	-71.98	-25.00	-58.98	H
420.5803	-65.40	-4.16	-69.56	-25.00	-56.56	H
645.6853	-65.65	-2.02	-67.67	-25.00	-54.67	H

15-21NX

Frequency (MHz)	Reading Level (dBm)	Correct Factor (dB)	Measurement (dBm)	Limits (dBm)	Over (dB)	Polarization H/V
Band41-15MHZ-41515-2682.5						
52.7831	-58.65	-9.7	-68.35	-25.00	-55.35	V
100.9339	-72.71	-3.28	-75.99	-25.00	-62.99	V
203.9693	-66.48	-10.09	-76.57	-25.00	-63.57	V
281.5006	-65.52	-7.00	-72.52	-25.00	-59.52	V
415.6322	-66.19	-3.97	-70.16	-25.00	-57.16	V
615.292	-68.96	0.43	-68.53	-25.00	-55.53	V
45.3755	-66.06	-5.62	-71.68	-25.00	-58.68	H
129.6381	-53.33	-13.63	-66.96	-25.00	-53.96	H
148.8319	-53.87	-13.85	-67.72	-25.00	-54.72	H
192.0815	-62.39	-10.12	-72.51	-25.00	-59.51	H
350.7842	-65.46	-4.39	-69.85	-25.00	-56.85	H
431.4096	-64.92	-4.38	-69.30	-25.00	-56.30	H

Radiated emissions 1 GHz ~ 40 GHz

Frequency (MHz)	Reading Level (dBm)	Correct Factor (dB)	Measurement (dBm)	Limits (dBm)	Over (dB)	Polarization H/V
Band41-15MHZ-41515-2682.5						
5365.000	-66.27	18.47	-47.80	-25.00	-22.80	V
5365.000	-72.16	18.47	-53.69	-25.00	-28.69	V
8047.500	-66.25	27.38	-38.87	-25.00	-13.87	V
8047.500	-71.97	27.38	-44.59	-25.00	-19.59	V
10730.000	-66.25	30.27	-35.98	-25.00	-10.98	V
10730.000	-72.05	30.27	-41.78	-25.00	-16.78	V
5365.000	-67.00	18.57	-48.43	-25.00	-23.43	H
5365.000	-73.16	18.57	-54.59	-25.00	-29.59	H
8047.500	-65.75	27.22	-38.53	-25.00	-13.53	H
8047.500	-71.90	27.22	-44.68	-25.00	-19.68	H
10730.000	-66.14	30.46	-35.68	-25.00	-10.68	H
10730.000	-72.08	30.46	-41.62	-25.00	-16.62	H

Notes:

Measurement= Reading Level+ Correct Factor

Over = Measurement– Limit

Note:Spurious radiations (above 1GHz) for 12-22ES,13-21IS/RC, 15-21NX have been tested. The report only shows the worst product(12-22ES).

Photographs of the Test Setup

See the Appendix – Test Setup Photos.

Photographs of the EUT

See the Appendix - EUT Photos.

----End of Report----