RF Test Report

Applicant	:	iWaylink Inc.
Product Type	:	Portable data terminal
Trade Name	:	IMOTION GROUP or imotion group
Model Number	:	TC603
Applicable Standard	:	FCC 47 CFR PART 22H FCC 47 CFR PART 24E FCC 47 CFR PART 27 ANSI C63.26 2015
Received Date	:	Oct. 21, 2021
Test Period	:	Nov. 15 ~ Dec. 02, 2021
Issued Date	:	Jan. 18, 2022

Issued by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C.)
Tel：+886-3-2710188 / Fax：+886-3-2710190

Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range : 9 kHz to 40 GHz
Test Firm MRA designation number: TW0010

Note:
1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
2.This report shall not be reproduced except in full, without the written approval of A Test Lab Technology Corporation.
3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Revisions	Revised By
00	Jan. 18, 2022	Initial Issue	Tobey Cheng

Verification of Compliance

Applicant	:	iWaylink Inc.
Product Type	:	Portable data terminal
Trade Name	:	IMOTION GROUP or imotion group
Model Number	:	TC603
FCC ID	:	SPYTC603
EUT Rated Voltage	:	DC 5 V, 3 A / DC 9 V, 2 A
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 22H FCC 47 CFR PART 24E FCC 47 CFR PART 27 ANSI C63.26 2015
Test Result	:	Complied
Performing Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade District, Taoyuan City 33465, Taiwan (R.O.C.) Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : Kai Yu Yang

(Kai Yu Yang)

TABLE OF CONTENTS

1 General Information

1.1. EUT Description

Applicant	iWaylink Inc. 6F., No. 288, Sec. 6, Civic Blvd., Xinyi Dist., Taipei City 110, Taiwan		
Product Type	Senzit		
Trade Name	IMOTION GROUP or		
Model Number	TC603		
FCC ID	SPYTC603		
Operate Band	Frequency Range (MHz)	Modulation	Channel Bandwidth
LTE Band 2	UL: 1850 ~ 1910	QPSK, 16QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 1930 ~ 1990	QPSK, 16QAM	
LTE Band 4	UL: 1710 ~ 1755	QPSK, 16QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 2110 ~ 2155	QPSK, 16QAM	
LTE Band 5	UL: 824 ~ 849	QPSK, 16QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	DL: 869 ~ 894	QPSK, 16QAM	
LTE Band 7	UL: 2500 ~ 2570	QPSK, 16QAM	5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 2620 ~ 2690	QPSK, 16QAM	
LTE Band 12	UL: 699 ~ 716	QPSK, 16QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	DL: 728 ~ 746	QPSK, 16QAM	
LTE Band 17	UL: 704 ~ 716	QPSK, 16QAM	5 MHz, 10 MHz
	DL: 734 ~ 746	QPSK, 16QAM	
LTE Band 38	UL/DL: 2570 ~ 2620	QPSK, 16QAM	5 MHz, 10 MHz, 15 MHz, 20 MHz
LTE Band 41	UL/DL: 2496 ~ 2690	QPSK, 16QAM	5 MHz, 10 MHz, 15 MHz, 20 MHz
Type of Antenna	PIFA Antenan		
Antenna Gain	LTE Band 2	0.4 dBi	
	LTE Band 4	0.8 dBi	
	LTE Band 5	-.2.6 dBi	
	LTE Band 7	2.2 dBi	
	LTE Band 12	-1.4 dBi	
	LTE Band 17	-1.3 dBi	
	LTE Band 38	2.2 dBi	
	LTE Band 41	2.2 dBi	
Operate Temp. Range	-10 ~ +50 ℃		

Band	Channel Bandwidth	Modulation	E.R.P. /E.I.R.P.		Occupied Bandwidth (MHz)	Emission Designator
			(dBm)	(W)		
LTE Band2	1.4 MHz	QPSK	23.20	0.209	1.0844	1M08G7D
LTE Band2	1.4 MHz	16QAM	22.71	0.187	1.0860	1M08W7D
LTE Band2	3 MHz	QPSK	23.26	0.212	2.6913	2M69G7D
LTE Band2	3 MHz	16QAM	22.77	0.189	2.6890	2M68W7D
LTE Band2	5 MHz	QPSK	23.19	0.208	4.4884	4M48G7D
LTE Band2	5 MHz	16QAM	22.42	0.175	4.4913	4M49W7D
LTE Band2	10 MHz	QPSK	23.24	0.211	8.9566	8M95G7D
LTE Band2	10 MHz	16QAM	22.93	0.196	8.9794	8M97W7D
LTE Band2	15 MHz	QPSK	23.19	0.208	13.468	13M46G7D
LTE Band2	15 MHz	16QAM	22.67	0.185	13.414	13M41W7D
LTE Band2	20 MHz	QPSK	23.36	0.217	17.940	17M94G7D
LTE Band2	20 MHz	16QAM	22.71	0.187	17.949	17M94W7D
LTE Band4	1.4 MHz	QPSK	23.21	0.209	1.0839	1M08G7D
LTE Band4	1.4 MHz	16QAM	22.55	0.180	1.0856	1M08W7D
LTE Band4	3 MHz	QPSK	23.20	0.209	2.6912	2M69G7D
LTE Band4	3 MHz	16QAM	22.63	0.183	2.6901	2M69W7D
LTE Band4	5 MHz	QPSK	23.09	0.204	4.4864	4M48G7D
LTE Band4	5 MHz	16QAM	22.40	0.174	4.4898	4M48W7D
LTE Band4	10 MHz	QPSK	23.19	0.208	8.9558	8M95G7D
LTE Band4	10 MHz	16QAM	22.57	0.181	8.9622	8M96W7D
LTE Band4	15 MHz	QPSK	23.19	0.208	13.436	13M43G7D
LTE Band4	15 MHz	16QAM	22.55	0.180	13.424	13M42W7D
LTE Band4	20 MHz	QPSK	23.23	0.210	17.870	17M87G7D
LTE Band4	20 MHz	16QAM	22.71	0.187	17.865	17M86W7D
LTE Band5	1.4 MHz	QPSK	18.19	0.066	1.0850	1M08G7D
LTE Band5	1.4 MHz	16QAM	17.24	0.053	1.0869	1M08W7D
LTE Band5	3 MHz	QPSK	18.18	0.066	2.6936	2M69G7D
LTE Band5	3 MHz	16QAM	17.25	0.053	2.6907	2M69W7D
LTE Band5	5 MHz	QPSK	18.19	0.066	4.4832	4M48G7D
LTE Band5	5 MHz	16QAM	17.19	0.052	4.4945	4M49W7D
LTE Band5	10 MHz	QPSK	18.22	0.066	8.9731	8M97G7D
LTE Band5	10 MHz	16QAM	17.25	0.053	8.9298	8M92W7D

Band	Channel Bandwidth	Modulation	E.R.P. /E.I.R.P.		Occupied Bandwidth (MHz)	Emission Designator
			(dBm)	(W)		
LTE Band7	5 MHz	QPSK	23.43	0.220	4.4855	4M48G7D
LTE Band7	5 MHz	16QAM	23	0.200	4.4925	4M48W7D
LTE Band7	10 MHz	QPSK	23.48	0.223	8.9648	8M96G7D
LTE Band7	10 MHz	16QAM	22.63	0.183	8.9624	8M96W7D
LTE Band7	15 MHz	QPSK	23.45	0.221	13.460	13M46G7D
LTE Band7	15 MHz	16QAM	23.05	0.202	13.431	13M43W7D
LTE Band7	20 MHz	QPSK	24.01	0.252	17.872	17M87G7D
LTE Band7	20 MHz	16QAM	22.47	0.177	17.888	17M88W7D
LTE Band12	1.4 MHz	QPSK	19.34	0.086	1.0849	1M08G7D
LTE Band12	1.4 MHz	16QAM	18.79	0.076	1.0856	1M08W7D
LTE Band12	3 MHz	QPSK	18.93	0.078	2.6899	2M68G7D
LTE Band12	3 MHz	16QAM	18.61	0.073	2.6876	2M68W7D
LTE Band12	5 MHz	QPSK	19.62	0.092	4.4826	4M48G7D
LTE Band12	5 MHz	16QAM	18.93	0.078	4.4841	4M48W7D
LTE Band12	10 MHz	QPSK	19.64	0.092	8.9534	8M95G7D
LTE Band12	10 MHz	16QAM	18.95	0.079	8.9494	8M94W7D
LTE Band17	5 MHz	QPSK	19.41	0.087	4.4920	4M49G7D
LTE Band17	5 MHz	16QAM	18.49	0.071	4.4973	4M49W7D
LTE Band17	10 MHz	QPSK	19.44	0.088	4.4892	4M48G7D
LTE Band17	10 MHz	16QAM	18.5	0.071	8.9281	8M92W7D
LTE Band38	5 MHz	QPSK	25.13	0.326	4.4840	4M48G7D
LTE Band38	5 MHz	16QAM	24.35	0.272	4.4863	4M48W7D
LTE Band38	10 MHz	QPSK	25.17	0.329	8.9521	8M95G7D
LTE Band38	10 MHz	16QAM	24.40	0.275	8.9531	8M95W7D
LTE Band38	15 MHz	QPSK	25.19	0.330	13.433	13M43G7D
LTE Band38	15 MHz	16QAM	24.42	0.277	13.450	13M45W7D
LTE Band38	20 MHz	QPSK	25.20	0.331	13.434	13M43G7D
LTE Band38	20 MHz	16QAM	24.25	0.266	17.879	17M87W7D
LTE Band41	5 MHz	QPSK	25.55	0.359	4.4873	4M48G7D
LTE Band41	5 MHz	16QAM	24.94	0.312	4.4913	4M49W7D
LTE Band41	10 MHz	QPSK	25.55	0.359	8.9522	8M95G7D
LTE Band41	10 MHz	16QAM	25.02	0.318	8.9539	8M95W7D
LTE Band41	15 MHz	QPSK	25.73	0.374	13.433	13M43G7D
LTE Band41	15 MHz	16QAM	25.22	0.333	13.428	13M42W7D
LTE Band41	20 MHz	QPSK	26.19	0.416	17.871	17M87G7D
LTE Band41	20 MHz	16QAM	25.30	0.339	17.869	17M86W7D

1.2. Mode of Operation

Three channels had been tested for each channel bandwidth.

LTE Band 2						
Channel Bandwidth	1.4 MHz		3 MHz		5 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	18607	1850.7	18615	1851.5	18625	1852.5
Middle CH	18900	1880.0	18900	1880.0	18900	1880.0
High CH	19193	1909.3	19185	1908.5	19175	1907.5
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	18650	1855.0	18675	1857.5	18700	1860.0
Middle CH	18900	1880.0	18900	1880.0	18900	1880.0
High CH	19150	1905.0	19125	1902.5	19100	1900.0

LTE Band 4						
Channel Bandwidth	1.4 MHz		3 MHz		5 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	19957	1710.7	19965	1711.5	19975	1712.5
Middle CH	20175	1732.5	20175	1732.5	20175	1732.5
High CH	20393	1754.3	20385	1753.5	20375	1752.5
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20000	1715.0	20025	1717.5	20050	1720.0
Middle CH	20175	1732.5	20175	1732.5	20175	1732.5
High CH	20350	1750.0	20325	1747.5	20300	1745.0

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

LTE Band 5				
Channel Bandwidth	1.4 MHz		3 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20407	824.7	20415	825.5
Middle CH	20525	836.5	20525	836.5
High CH	20643	848.3	20635	847.5
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20425	826.5	20450	829.0
Middle CH	20525	836.5	20525	836.5
High CH	20625	846.5	20600	844.0

LTE Band 7				
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20775	2502.5	20800	2505.0
Middle CH	21100	2535.0	21100	2535.0
High CH	21425	2567.5	21400	2565.0
Channel Bandwidth	15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20825	2507.5	20850	2510.0
Middle CH	21100	2535.0	21100	2535.0
High CH	21375	2562.5	21350	2560.0

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

LTE Band 12				
Channel Bandwidth	1.4 MHz		3 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23017	699.7	23025	700.5
Middle CH	23095	707.5	23095	707.5
High CH	23173	715.3	23165	714.5
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23035	701.5	23060	704.0
Middle CH	23095	707.5	23095	707.5
High CH	23155	713.5	23130	711.0

LTE Band 17				
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23755	706.5	23780	709.0
Middle CH	23790	710.0	23790	710.0
High CH	23825	713.5	23800	711.0

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

LTE Band 38				
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	37775	2572.5	37800	2575.0
Middle CH	38000	2595.0	38000	2595.0
High CH	38225	2617.5	38200	2615.0
Channel Bandwidth	15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	37825	2577.5	37850	2580.0
Middle CH	38000	2595.0	38000	2595.0
High CH	38175	2612.5	38150	2610.0

LTE Band 41				
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	39675	2498.5	39700	2501.0
Middle CH	40620	2593.0	40620	2593.0
High CH	41565	2687.5	41540	2685.0
Channel Bandwidth	15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	39725	2503.5	39750	2506.0
Middle CH	40620	2593.0	40620	2593.0
High CH	41515	2682.5	41490	2680.0

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission: 9 kHz to10th Harmonic

Band	Channel Bandwidth	Test Modes	
LTE Band 2	1.4 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 7) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 3) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 37) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 36, RB Offset 0) Link ☐ LTE(RB Size 36, RB Offset 19) Link ☐ LTE(RB Size 36, RB Offset 39) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 4	1.4 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 7) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 3) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 37) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 36, RB Offset 0) Link ☐ LTE(RB Size 36, RB Offset 19) Link ☐ LTE(RB Size 36, RB Offset 39) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 5	1.4 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 7) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 3) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
LTE Band 7	5 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☑ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 37) Link ☑ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 36, RB Offset 0) Link ☐ LTE(RB Size 36, RB Offset 19) Link ☐ LTE(RB Size 36, RB Offset 39) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☑ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 12	1.4 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 7) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 3) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☑ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
LTE Band 17	5 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☑ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK

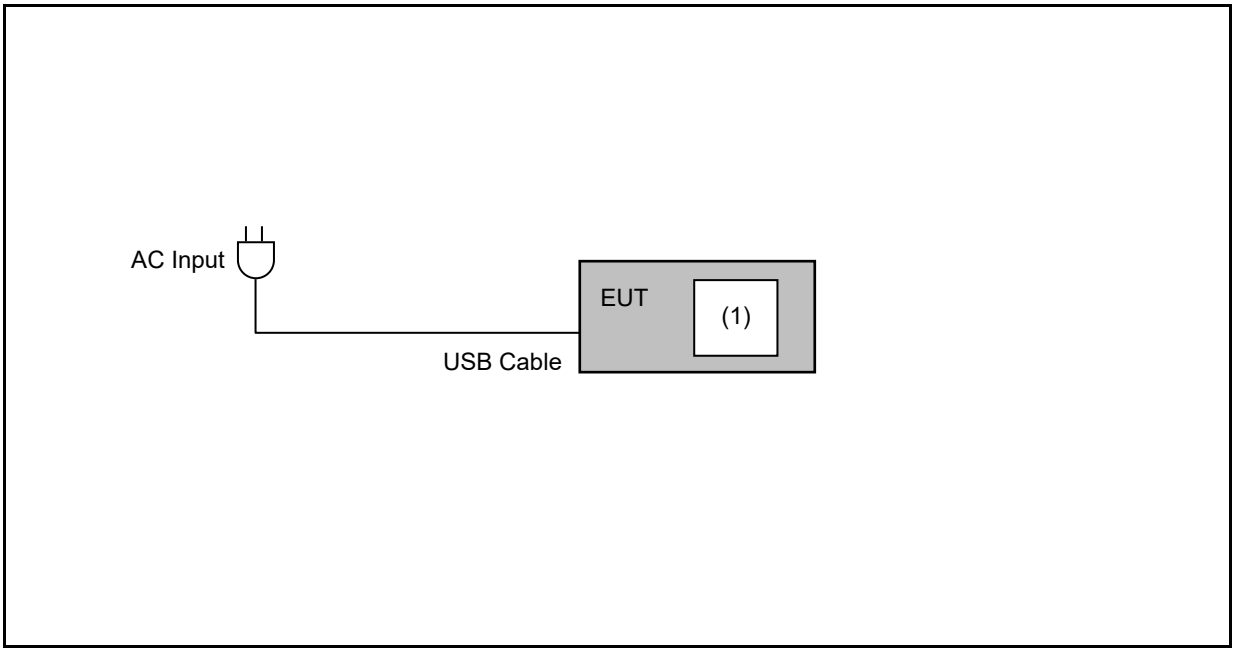
Band	Channel Bandwidth	Test Modes	
LTE Band 38	5 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☑ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 37) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 36, RB Offset 0) Link ☐ LTE(RB Size 36, RB Offset 19) Link ☐ LTE(RB Size 36, RB Offset 39) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK
LTE Band 41	5 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 37) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 36, RB Offset 0) Link ☐ LTE(RB Size 36, RB Offset 19) Link ☐ LTE(RB Size 36, RB Offset 39) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☑ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

1.3. EUT Test Step

1	Setup the EUT shown on “Configuration of Test System Details”.
2	Turn on the power of all equipment.
3	EUT run test program test.

1.4. Configuration of Test System Details

Radiated Emission



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	Micro SD Card	Transcend	9153BA 8G 07DS1	---	---

1.5. Test Instruments

For Conducted
Test Period: Nov. 15 ~ Nov. 25, 2021
Testing Engineer: Eric Ouyang, Nat Wu

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Divider	Warison	WDIV-2I0.5-26.5S20	WR222AM2B1	03/12/2021	1 year
☐	Divider	Warison	WDIV-2I0.5-26.5S20	WR222AM2B2	11/04/2021	1 year
☐	Spectrum Analyzer (3 Hz~13.2 GHz)	Agilent	E4445A	MY45300744	10/27/2021	1 year
☒	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	01/08/2021	1 year
☐	Spectrum Analyzer (20 Hz~26.5 GHz)	R&S	FSU26	201118	01/14/2021	1 year
☐	Universal Radio Communication Tester	R&S	CMU200	112387	03/17/2021	1 year
☐	Universal Radio Communication Tester	Agilent	E5515C	MY47511156	09/09/2021	1 year
☒	Radio Communication Analyzer	Anritsu	MT8820C	6201342039	12/03/2020	1 year
☐	Radio Communication Analyzer	Anritsu	MT8821C	6201300618	06/03/2021	1 year
☐	UXM 5G Wireless Test Platform	Keysight	E7515B	MY59321574	07/05/2021	1 year
☐	Radio Communication Analyzer	Anritsu	MT8000A	6262166824	09/18/2020	2 year
☐	Signalling Tester	Anritsu	MD8475A	6201357755	03/29/2021	1 year
☐	USB sound vibration measurement system	National Instruments	USB-4432	1AF01D4	11/27/2020	1 year
☐	USB sound vibration measurement system	PCB	352C65	LW161409	12/02/2020	1 year
☐	USB sound vibration measurement system	G.R.A.S	40PH	186006	12/04/2020	1 year
☒	Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	03/30/2021	1 year
☒	Power Supply	KEITHLEY	2303	4045290	02/01/2021	1 year
☐	Power Supply	IDRC	CP-268	268711	12/01/2020	1 year
☐	Software	PWS Test	1.1.1	N/A	N.C.R.	---
☐	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request.

For Radiated Emissions
Test Period: Dec. 02, 2021
Testing Engineer: Marc Yeh, Pink Li

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☐	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/18/2021	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	01/08/2021	1 year
☒	Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	04/19/2021	1 year
☒	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/15/2021	1 year
☐	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A10961	07/06/2021	1 year
☐	Broadband Amplifier (100 kHz~1 GHz)	Titan	T0910E00014330 A1F	001	07/23/2021	1 year
☐	Amplifier (1 GHz~26.5 GHz)	Agilent	8449B	3008A02237	10/21/2021	1 year
☒	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025 A1F	002	07/26/2021	1 year
☐	Preamplifier (26.5 GHz~40 GHz)	EMCI	EMC2654045	980028	08/19/2021	1 year
☐	Loop Antenna (9 kHz~30 MHz)	COM-POWER CORPORATION	AL-130	121014	04/07/2021	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	07/19/2021	1 year
☐	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	416	11/17/2021	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	07/09/2021	1 year
☐	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	9120D-550	08/24/2021	1 year
☐	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	08/24/2021	1 year
☐	Horn Antenna (18 GHz~40 GHz)	ETS	3116	00086467	12/03/2020	1 year
☐	RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/19/2021	1 year
☐	Microwave Cable	EMCI	EMC104-SM-SM-13000	170814	02/19/2021	1 year
☐	Microwave Cable	EMCI	EMC102-KM-KM-14000	151001	02/19/2021	1 year

Note: N.C.R. = No Calibration Request.

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Coaxial Cable	Titan	T0710AT327A10A 100	J11005	08/06/2021	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A 900	J11004	08/06/2021	1 year
☒	Coaxial Cable	Titan	CFD400NL-LW	001	08/06/2021	1 year
☐	Universal Radio Communication Tester	R&S	CMU200	112387	03/17/2021	1 year
☐	Universal Radio Communication Tester	Agilent	E5515C	MY47511156	09/09/2021	1 year
☒	Radio Communication Analyzer	Anritsu	MT8820C	6201342039	12/03/2020	1 year
☐	Radio Communication Analyzer	Anritsu	MT8821C	6201300618	06/03/2021	1 year
☐	UXM 5G Wireless Test Platform	Keysight	E7515B	MY59321574	07/05/2021	1 year
☐	Radio Communication Analyzer	Anritsu	MT8000A	6262166824	09/18/2020	2 years
☐	Power Supply	KEITHLEY	2303	4045290	02/01/2021	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request.

1.6. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

Test Setting Condition		
L.V.	Low Voltage	DC 3.6 V
N.V.	Normal Voltage	DC 3.85 V
H.V.	High Voltage	DC 4.24 V
L.T.	Low Temperature	-10 ℃
N.T.	Normal Temperature	+25 ℃
H.T.	High Temperature	+50 ℃

1.7. Measurement Uncertainty

Parameter	Uncertainty
Conducted Output Average Power	1.1 dB
Effective Radiated Power / Equivalent Isotropic Radiated Power	1.1 dB
Frequency Stability	1.2 x 10^{-7} x fc (Hz)
Emission Bandwidth &Occupied Bandwidth	4.5 %
Peak to Average Ratio	1.1 dB
Band Edge	1.1 dB
Conducted Spurious Emission	1.1 dB
Radiated Emission	5.2 dB

1.8. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Average Power	Pass
§22.913 §24.232 §27. 50 §90.635	Equivalent Isotropic Radiated Power / Equivalent Radiated Power	Pass
§2.1055 §22.355 §24.235 §27. 54	Frequency Stability	Pass
§2.1049	Emission Bandwidth & Occupied Bandwidth	Pass
§24.232 §27.50	Peak to average ratio	Pass
§2.1051 §22.917 §24.238 §27.53	Band Edge	Pass
§2.1051 §22.917 §24.238 §27.53	Conducted Spurious Emissions	Pass
§2.1053 §22.917 §24.238 §27.53 §90.691	Radiated Spurious Emissions	Pass

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

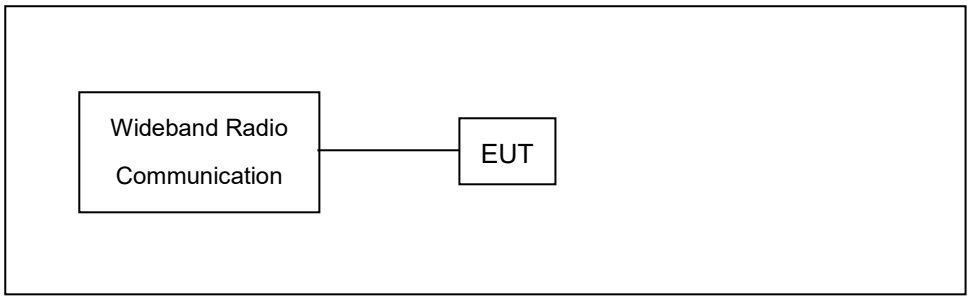
2 Measurement Procedure

2.1. Conducted Output Average Power Test

■ Limit

N/A

■ Test Setup



■ Test Procedure

a. The EUT was set up for the maximum power with simulator.

b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

2.2. Effective Radiated Power / Equivalent Isotropic Radiated Power Test

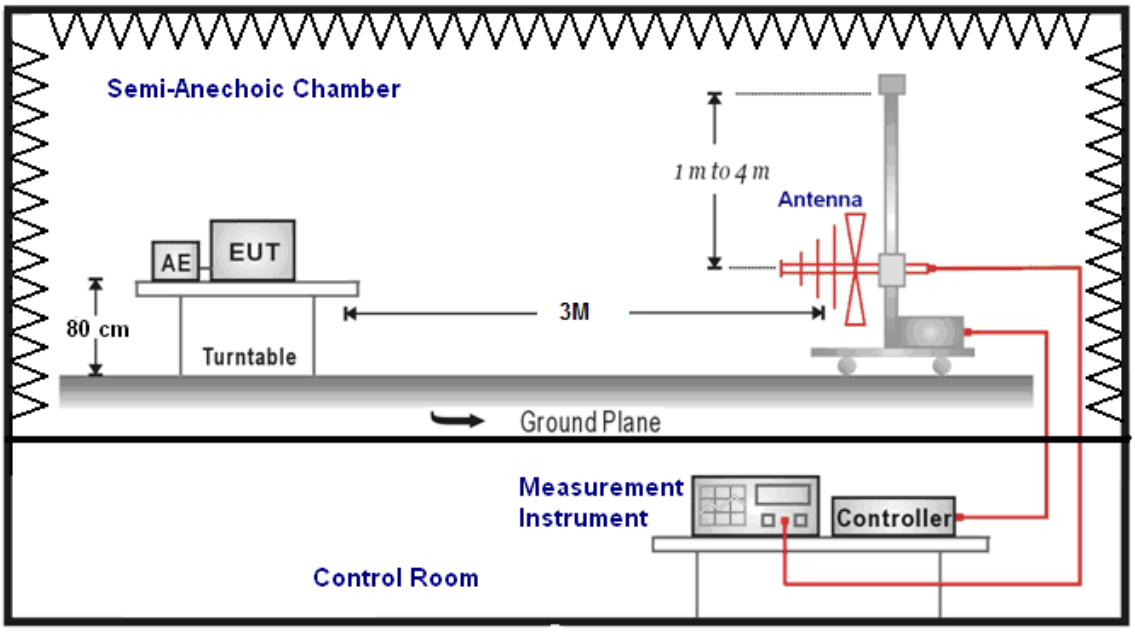
■ Limit

For FCC Part 27: The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watts.

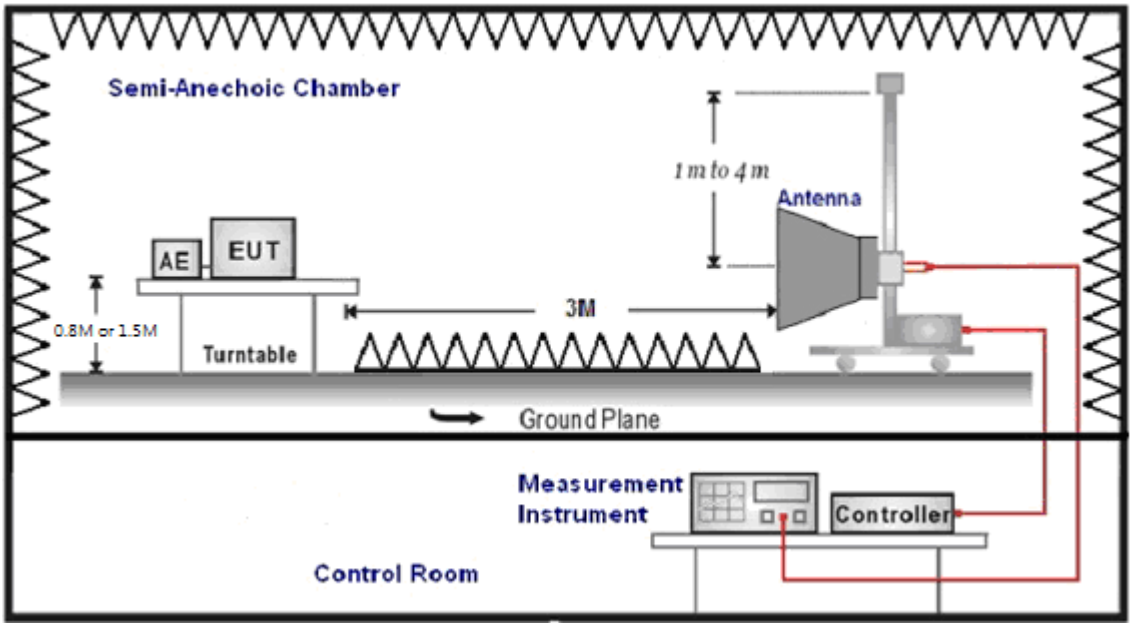
For FCC Part 27.50(c)(9): Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.
For FCC Part 27.50(c)(10): Portable stations in the 698-746 MHz band are limited to 3 watts ERP. For FCC Part 27.50(h)(2): Mobile stations are limited to 2.0 watts EIRP.
For FCC Part 22.913(a)(5): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
For FCC Part 24.232(c): The E.I.R.P. of Mobile and portable stations test transmitters must not exceed 2 Watts.
For FCC Part 27.50(h)(2): Mobile stations in BRS and EBS band are limited to 2 watts EIRP.

■ Test Setup

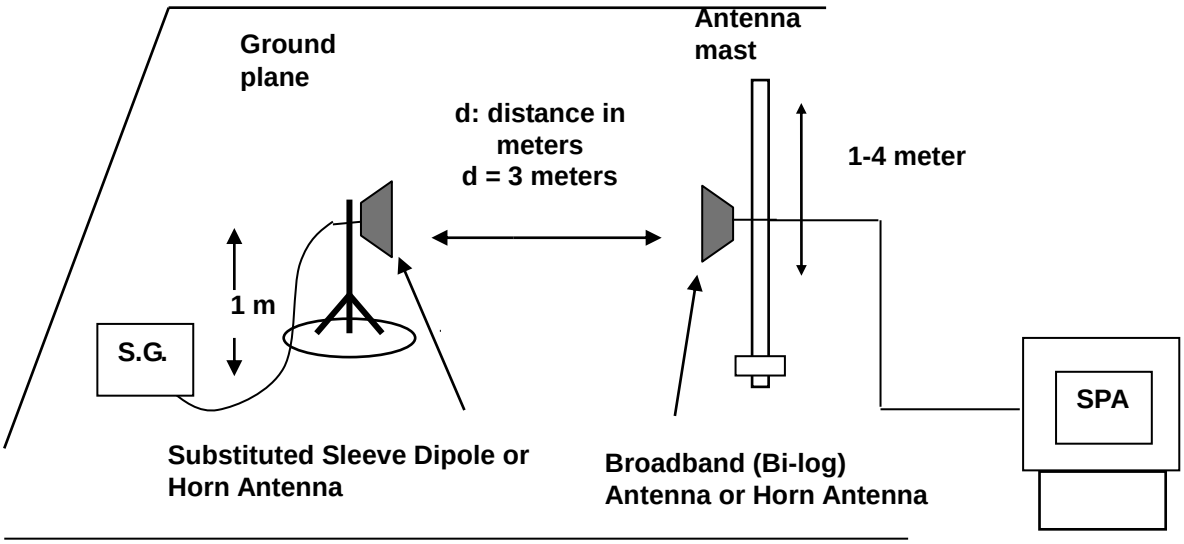
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

a. The EUT was set up for the maximum power with wwan link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).

b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (1.5 m for above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G.

d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn

e. E.R.P. = E.I.R.P- 2.15 dB

Note: 1. Below 1 GHz Substituted Method Test：Sleeve dipole antenna to Bi-Log Antenna

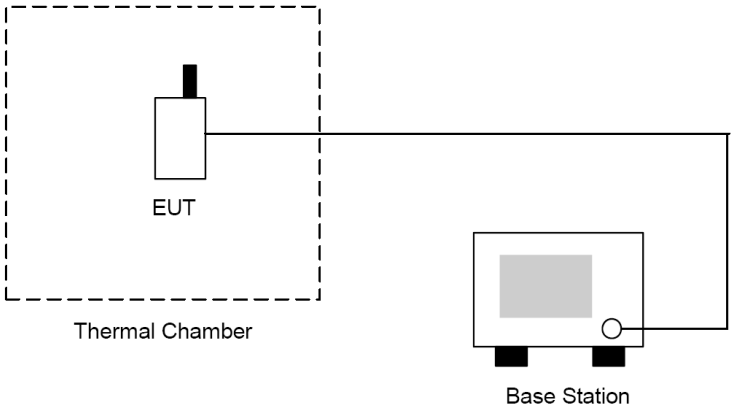
2. Above 1 GHz Substituted Method Test：Horn antenna to Horn Antenna

2.3. Frequency Stability Test

■ Limit

According to the FCC rule shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with the 2.1055(a)(1) -30 °C ~ 50 °C.

■ Setup



■ Test Procedure

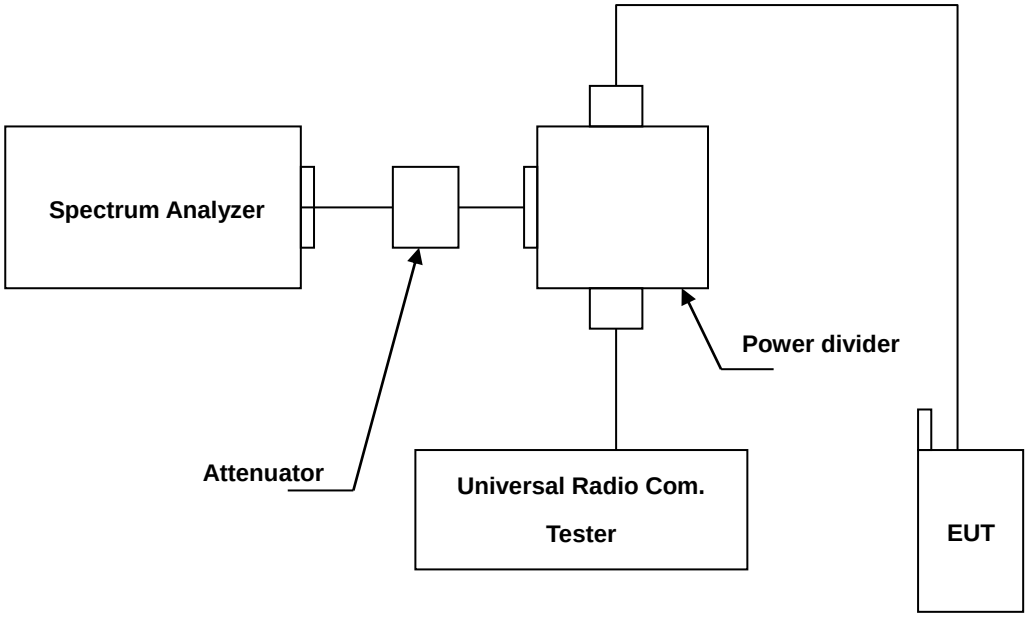
1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30 °C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10 °C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The EUT was placed in a temperature chamber at 25 $\pm$ 5 °C and connected as the following section.
5. The power supply voltage to the EUT was varied from BEP to 115 % of the nominal value measured at the input to the EUT.
6. The temperature tests were performed for the worst case.
7. Test data was recorded.

2.4. Emission Bandwidth & Occupied Bandwidth Test

■ Limit

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.
The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

■ Setup



■ Test Procedure

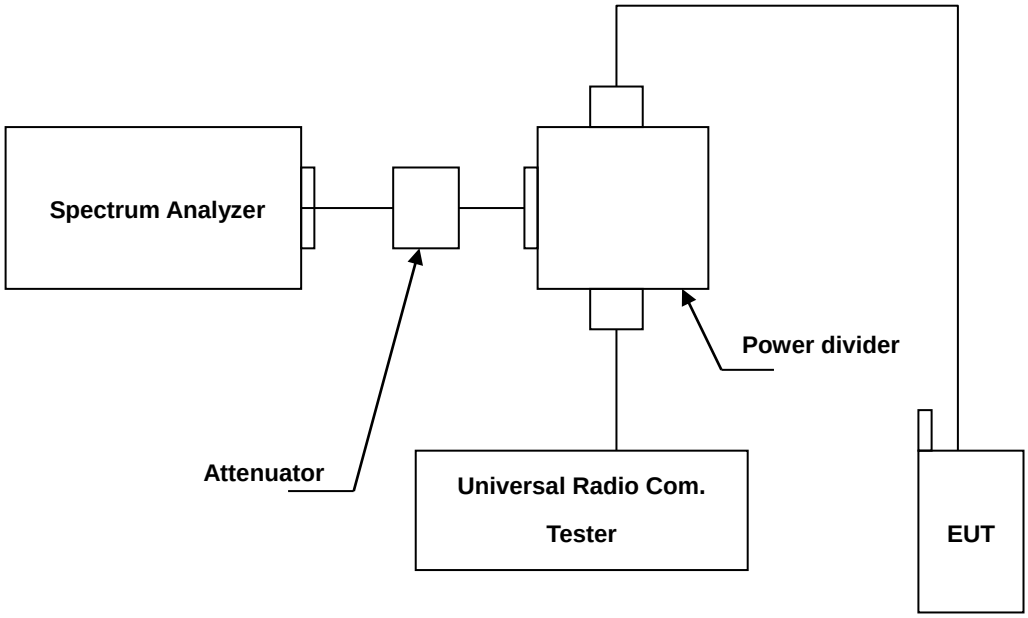
a. The EUT makes a phone call to the communication simulator. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels. (low, middle and high operational frequency range.)
b. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
c. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

2.5. Peak to Average Ratio Test

■ Limit

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

■ Setup



■ Test Procedure

a. Set resolution/measurement bandwidth signal's occupied bandwidth;

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

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

2.6. Band Edge Test

■ Limit

The Band Edge Limit:

§22.917(a), §24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

§27.53(g)

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) dB.

§27.53(m)

For mobile digital stations, the attenuation factor shall be not less than 43+10 log(p) dB at the channel edge and 55+10 log(P) dB at 5.5 megahertz from the channel edges.

§27.53(m)

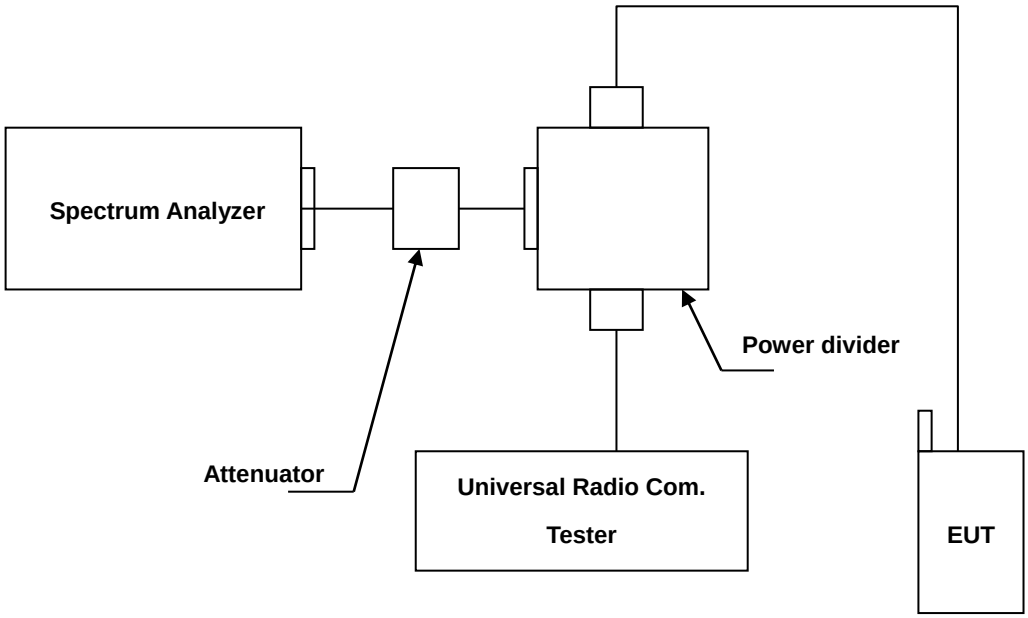
For mobile digital stations,the attenuation factor shall be not less than 43 + 10 log10(P) dB at the channel edge and 55 + 10 log10(P) dB

at 5.5 megahertz from the channel edges.

§90.691

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 50 + 10 log10 (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5 kHz of Block Edge.

■ Setup



■ Test Procedure

a. The EUT was set up for the maximum peak power with WWAN link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.)

b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss in the transmitted path track.

c. The center frequency of spectrum is the band edge frequency and span is 10 MHz. RB of the resolution bandwidth of at least one percent of the emission bandwidth.

d. Record the max trace plot into the test report.

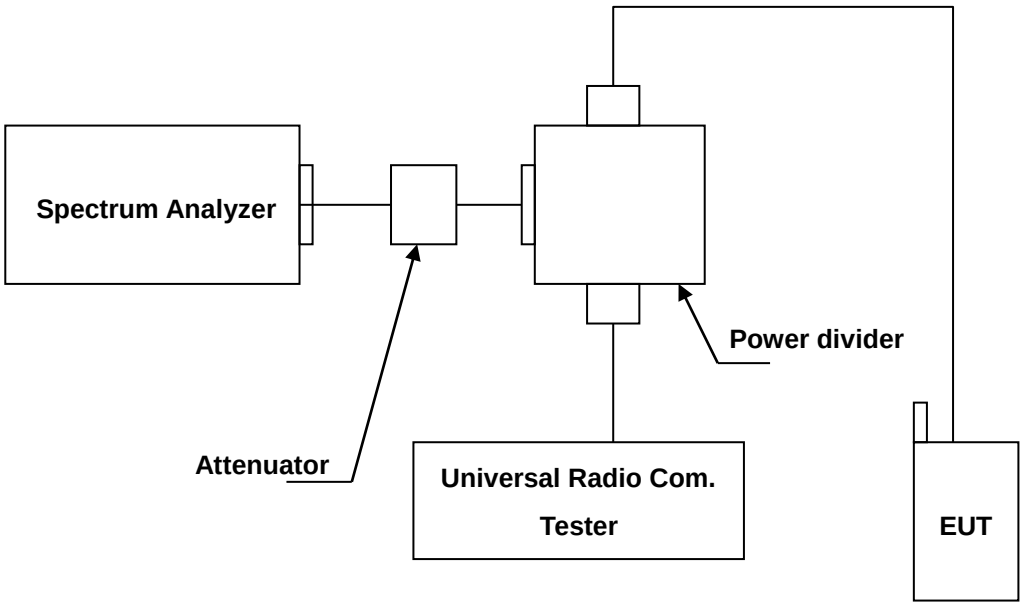
2.7. Conducted Spurious Emission Test

■ Limit

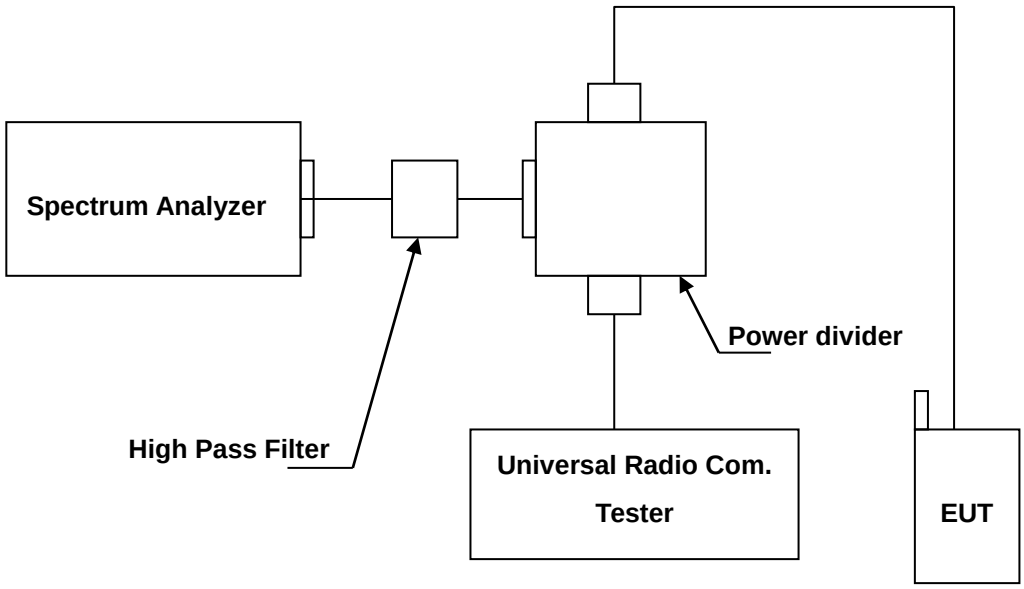
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 $\log_{10}$(P) dB. The limit of emission equal to -13 dBm

■ Setup

Below 2.8 GHz



Above 2.8 GHz



■ Test Procedure

a. The EUT was set up for the maximum peak power with WWAN link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).

b. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

c. When the spectrum scanned from 10 MHz to 2.5 GHz (Band 7and Band 41: scanned from 10 MHz to 4 GHz), it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1 MHz, VB=1 MHz.

d. When the spectrum scanned from 2.5 GHz to 10^{th} harmonic (Band 7 and Band 41: scanned from 4 GHz to 10^{th} harmonic). The spectrum set RB=1 MHz, VB=1 MHz.

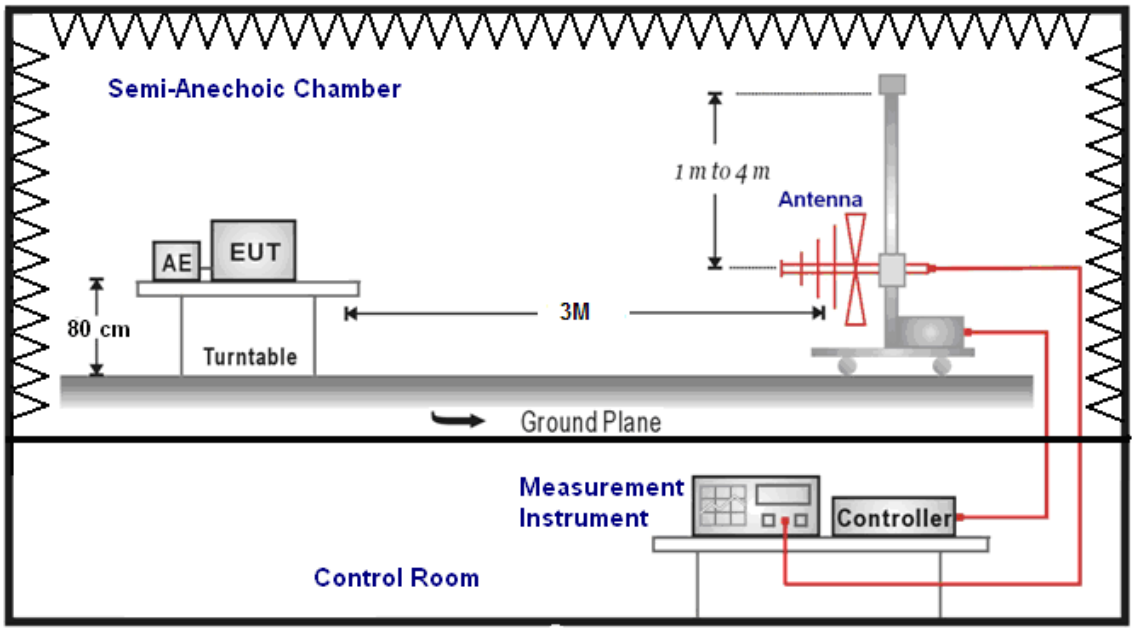
2.8. Radiated Emission Test

■ Limit

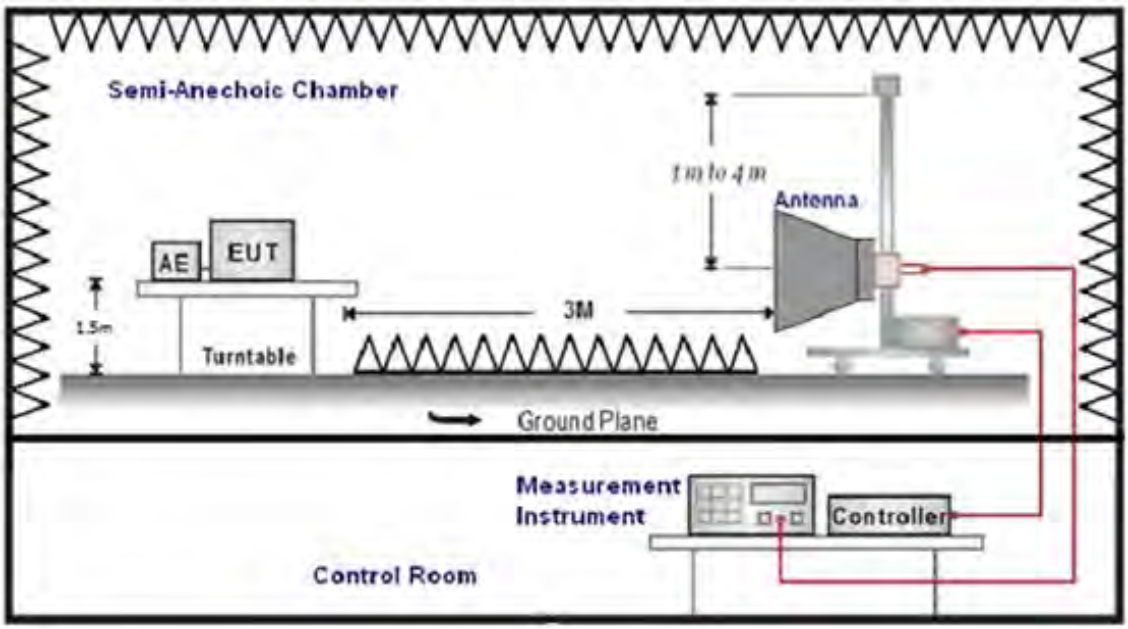
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 $\log_{10}$(P) dB. The limit of emission equal to -13 dBm

■ Setup

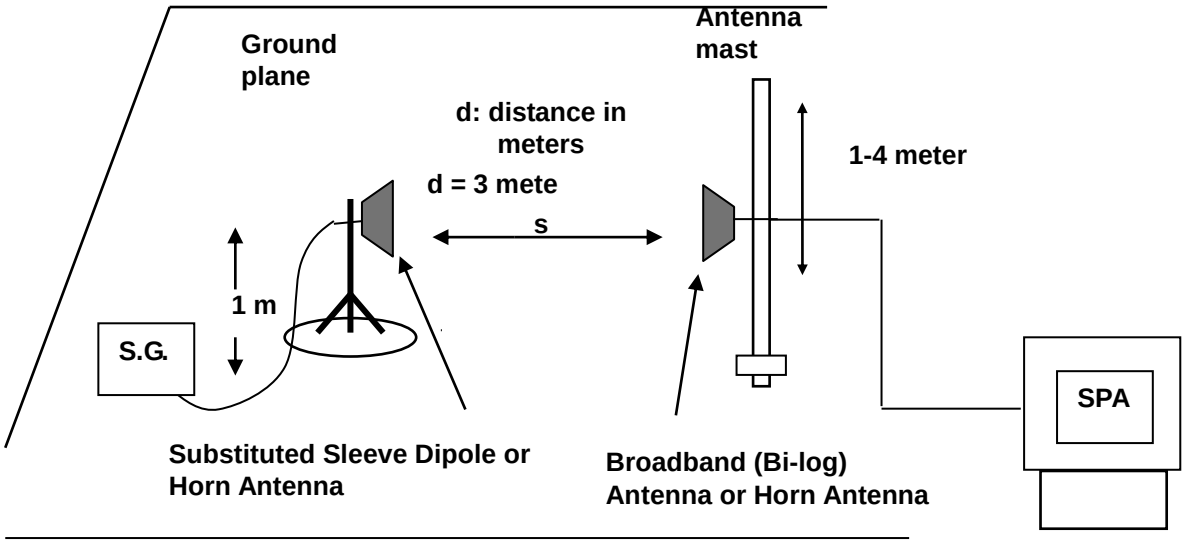
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

a. The EUT was set up for the maximum power with wwan link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).

b. Radiation Emission measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (1.5 m for above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G.

d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn

e. E.R.P. = E.I.R.P- 2.15 dB

f. Measurement range 9 kHz - 10 th Harmonic

Note: 1. Below 1 GHz Substituted Method Test：Sleeve dipole antenna to Bi-Log Antenna

2. Above 1 GHz Substituted Method Test：Horn antenna to Horn Antenn

3 Test Results

3.1. Conducted Output Average Power Test

■ **Test Result**

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	22.64	18607	1850.7	QPSK	1.4MHz	1	0
Band 2	22.68	18607	1850.7	QPSK	1.4MHz	1	2
Band 2	22.78	18607	1850.7	QPSK	1.4MHz	1	5
Band 2	22.74	18607	1850.7	QPSK	1.4MHz	3	0
Band 2	22.71	18607	1850.7	QPSK	1.4MHz	3	1
Band 2	22.7	18607	1850.7	QPSK	1.4MHz	3	3
Band 2	21.63	18607	1850.7	QPSK	1.4MHz	6	0
Band 2	22.72	18900	1880	QPSK	1.4MHz	1	0
Band 2	22.8	18900	1880	QPSK	1.4MHz	1	2
Band 2	22.69	18900	1880	QPSK	1.4MHz	1	5
Band 2	22.77	18900	1880	QPSK	1.4MHz	3	0
Band 2	22.69	18900	1880	QPSK	1.4MHz	3	1
Band 2	22.73	18900	1880	QPSK	1.4MHz	3	3
Band 2	21.59	18900	1880	QPSK	1.4MHz	6	0
Band 2	22.34	19193	1909.3	QPSK	1.4MHz	1	0
Band 2	22.44	19193	1909.3	QPSK	1.4MHz	1	2
Band 2	22.24	19193	1909.3	QPSK	1.4MHz	1	5
Band 2	22.32	19193	1909.3	QPSK	1.4MHz	3	0
Band 2	22.38	19193	1909.3	QPSK	1.4MHz	3	1
Band 2	22.34	19193	1909.3	QPSK	1.4MHz	3	3
Band 2	21.41	19193	1909.3	QPSK	1.4MHz	6	0
Band 2	22.03	18607	1850.7	16QAM	1.4MHz	1	0
Band 2	22.04	18607	1850.7	16QAM	1.4MHz	1	2
Band 2	22.07	18607	1850.7	16QAM	1.4MHz	1	5
Band 2	21.85	18607	1850.7	16QAM	1.4MHz	3	0
Band 2	21.78	18607	1850.7	16QAM	1.4MHz	3	1
Band 2	21.79	18607	1850.7	16QAM	1.4MHz	3	3
Band 2	20.81	18607	1850.7	16QAM	1.4MHz	6	0
Band 2	22.31	18900	1880	16QAM	1.4MHz	1	0
Band 2	21.93	18900	1880	16QAM	1.4MHz	1	2

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	21.71	18900	1880	16QAM	1.4MHz	1	5
Band 2	21.78	18900	1880	16QAM	1.4MHz	3	0
Band 2	21.66	18900	1880	16QAM	1.4MHz	3	1
Band 2	21.68	18900	1880	16QAM	1.4MHz	3	3
Band 2	20.91	18900	1880	16QAM	1.4MHz	6	0
Band 2	21.63	19193	1909.3	16QAM	1.4MHz	1	0
Band 2	21.67	19193	1909.3	16QAM	1.4MHz	1	2
Band 2	21.4	19193	1909.3	16QAM	1.4MHz	1	5
Band 2	21.42	19193	1909.3	16QAM	1.4MHz	3	0
Band 2	21.55	19193	1909.3	16QAM	1.4MHz	3	1
Band 2	21.44	19193	1909.3	16QAM	1.4MHz	3	3
Band 2	20.58	19193	1909.3	16QAM	1.4MHz	6	0
Band 2	22.75	18615	1851.5	QPSK	3MHz	1	0
Band 2	22.86	18615	1851.5	QPSK	3MHz	1	7
Band 2	22.73	18615	1851.5	QPSK	3MHz	1	14
Band 2	21.78	18615	1851.5	QPSK	3MHz	8	0
Band 2	21.75	18615	1851.5	QPSK	3MHz	8	3
Band 2	21.73	18615	1851.5	QPSK	3MHz	8	7
Band 2	21.7	18615	1851.5	QPSK	3MHz	15	0
Band 2	22.75	18900	1880	QPSK	3MHz	1	0
Band 2	22.7	18900	1880	QPSK	3MHz	1	7
Band 2	22.66	18900	1880	QPSK	3MHz	1	14
Band 2	21.78	18900	1880	QPSK	3MHz	8	0
Band 2	21.75	18900	1880	QPSK	3MHz	8	3
Band 2	21.82	18900	1880	QPSK	3MHz	8	7
Band 2	21.72	18900	1880	QPSK	3MHz	15	0
Band 2	22.46	19185	1908.5	QPSK	3MHz	1	0
Band 2	22.35	19185	1908.5	QPSK	3MHz	1	7
Band 2	22.4	19185	1908.5	QPSK	3MHz	1	14
Band 2	21.37	19185	1908.5	QPSK	3MHz	8	0
Band 2	21.49	19185	1908.5	QPSK	3MHz	8	3
Band 2	21.38	19185	1908.5	QPSK	3MHz	8	7

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	21.44	19185	1908.5	QPSK	3MHz	15	0
Band 2	22.31	18615	1851.5	16QAM	3MHz	1	0
Band 2	22.37	18615	1851.5	16QAM	3MHz	1	7
Band 2	22.21	18615	1851.5	16QAM	3MHz	1	14
Band 2	20.96	18615	1851.5	16QAM	3MHz	8	0
Band 2	20.92	18615	1851.5	16QAM	3MHz	8	3
Band 2	21.01	18615	1851.5	16QAM	3MHz	8	7
Band 2	20.82	18615	1851.5	16QAM	3MHz	15	0
Band 2	22.09	18900	1880	16QAM	3MHz	1	0
Band 2	22	18900	1880	16QAM	3MHz	1	7
Band 2	22.23	18900	1880	16QAM	3MHz	1	14
Band 2	20.86	18900	1880	16QAM	3MHz	8	0
Band 2	21.04	18900	1880	16QAM	3MHz	8	3
Band 2	20.97	18900	1880	16QAM	3MHz	8	7
Band 2	20.79	18900	1880	16QAM	3MHz	15	0
Band 2	21.52	19185	1908.5	16QAM	3MHz	1	0
Band 2	21.99	19185	1908.5	16QAM	3MHz	1	7
Band 2	21.65	19185	1908.5	16QAM	3MHz	1	14
Band 2	20.52	19185	1908.5	16QAM	3MHz	8	0
Band 2	20.73	19185	1908.5	16QAM	3MHz	8	3
Band 2	20.52	19185	1908.5	16QAM	3MHz	8	7
Band 2	20.62	19185	1908.5	16QAM	3MHz	15	0
Band 2	22.74	18625	1852.5	QPSK	5MHz	1	0
Band 2	22.64	18625	1852.5	QPSK	5MHz	1	12
Band 2	22.54	18625	1852.5	QPSK	5MHz	1	24
Band 2	21.6	18625	1852.5	QPSK	5MHz	12	0
Band 2	21.58	18625	1852.5	QPSK	5MHz	12	6
Band 2	21.59	18625	1852.5	QPSK	5MHz	12	13
Band 2	21.56	18625	1852.5	QPSK	5MHz	25	0
Band 2	22.7	18900	1880	QPSK	5MHz	1	0
Band 2	22.79	18900	1880	QPSK	5MHz	1	12
Band 2	22.65	18900	1880	QPSK	5MHz	1	24

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	21.76	18900	1880	QPSK	5MHz	12	0
Band 2	21.75	18900	1880	QPSK	5MHz	12	6
Band 2	21.75	18900	1880	QPSK	5MHz	12	13
Band 2	21.66	18900	1880	QPSK	5MHz	25	0
Band 2	22.43	19175	1907.5	QPSK	5MHz	1	0
Band 2	22.28	19175	1907.5	QPSK	5MHz	1	12
Band 2	22.29	19175	1907.5	QPSK	5MHz	1	24
Band 2	21.42	19175	1907.5	QPSK	5MHz	12	0
Band 2	21.49	19175	1907.5	QPSK	5MHz	12	6
Band 2	21.4	19175	1907.5	QPSK	5MHz	12	13
Band 2	21.42	19175	1907.5	QPSK	5MHz	25	0
Band 2	21.89	18625	1852.5	16QAM	5MHz	1	0
Band 2	21.87	18625	1852.5	16QAM	5MHz	1	12
Band 2	21.55	18625	1852.5	16QAM	5MHz	1	24
Band 2	20.76	18625	1852.5	16QAM	5MHz	12	0
Band 2	20.7	18625	1852.5	16QAM	5MHz	12	6
Band 2	20.7	18625	1852.5	16QAM	5MHz	12	13
Band 2	20.73	18625	1852.5	16QAM	5MHz	25	0
Band 2	21.61	18900	1880	16QAM	5MHz	1	0
Band 2	21.73	18900	1880	16QAM	5MHz	1	12
Band 2	22.02	18900	1880	16QAM	5MHz	1	24
Band 2	20.82	18900	1880	16QAM	5MHz	12	0
Band 2	20.95	18900	1880	16QAM	5MHz	12	6
Band 2	20.82	18900	1880	16QAM	5MHz	12	13
Band 2	20.86	18900	1880	16QAM	5MHz	25	0
Band 2	21.93	19175	1907.5	16QAM	5MHz	1	0
Band 2	21.99	19175	1907.5	16QAM	5MHz	1	12
Band 2	21.45	19175	1907.5	16QAM	5MHz	1	24
Band 2	20.59	19175	1907.5	16QAM	5MHz	12	0
Band 2	20.52	19175	1907.5	16QAM	5MHz	12	6
Band 2	20.45	19175	1907.5	16QAM	5MHz	12	11
Band 2	20.43	19175	1907.5	16QAM	5MHz	25	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	22.84	18650	1855	QPSK	10MHz	1	0
Band 2	22.72	18650	1855	QPSK	10MHz	1	24
Band 2	22.65	18650	1855	QPSK	10MHz	1	49
Band 2	21.73	18650	1855	QPSK	10MHz	25	0
Band 2	21.66	18650	1855	QPSK	10MHz	25	12
Band 2	21.64	18650	1855	QPSK	10MHz	25	25
Band 2	21.68	18650	1855	QPSK	10MHz	50	0
Band 2	22.71	18900	1880	QPSK	10MHz	1	0
Band 2	22.8	18900	1880	QPSK	10MHz	1	24
Band 2	22.82	18900	1880	QPSK	10MHz	1	49
Band 2	21.86	18900	1880	QPSK	10MHz	25	0
Band 2	21.86	18900	1880	QPSK	10MHz	25	12
Band 2	21.74	18900	1880	QPSK	10MHz	25	25
Band 2	21.75	18900	1880	QPSK	10MHz	50	0
Band 2	22.55	19150	1905	QPSK	10MHz	1	0
Band 2	22.46	19150	1905	QPSK	10MHz	1	24
Band 2	22.3	19150	1905	QPSK	10MHz	1	49
Band 2	21.5	19150	1905	QPSK	10MHz	25	0
Band 2	21.55	19150	1905	QPSK	10MHz	25	12
Band 2	21.4	19150	1905	QPSK	10MHz	25	25
Band 2	21.5	19150	1905	QPSK	10MHz	50	0
Band 2	22.31	18650	1855	16QAM	10MHz	1	0
Band 2	21.85	18650	1855	16QAM	10MHz	1	24
Band 2	21.74	18650	1855	16QAM	10MHz	1	49
Band 2	20.83	18650	1855	16QAM	10MHz	25	0
Band 2	20.8	18650	1855	16QAM	10MHz	25	12
Band 2	20.69	18650	1855	16QAM	10MHz	25	25
Band 2	20.78	18650	1855	16QAM	10MHz	50	0
Band 2	22.53	18900	1880	16QAM	10MHz	1	0
Band 2	21.9	18900	1880	16QAM	10MHz	1	24
Band 2	21.94	18900	1880	16QAM	10MHz	1	49
Band 2	20.92	18900	1880	16QAM	10MHz	25	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	20.98	18900	1880	16QAM	10MHz	25	12
Band 2	20.81	18900	1880	16QAM	10MHz	25	25
Band 2	20.85	18900	1880	16QAM	10MHz	50	0
Band 2	21.31	19150	1905	16QAM	10MHz	1	0
Band 2	22.07	19150	1905	16QAM	10MHz	1	24
Band 2	21.6	19150	1905	16QAM	10MHz	1	49
Band 2	20.6	19150	1905	16QAM	10MHz	25	0
Band 2	20.6	19150	1905	16QAM	10MHz	25	12
Band 2	20.63	19150	1905	16QAM	10MHz	25	25
Band 2	20.66	19150	1905	16QAM	10MHz	50	0
Band 2	22.65	18675	1857.5	QPSK	15MHz	1	0
Band 2	22.56	18675	1857.5	QPSK	15MHz	1	37
Band 2	22.61	18675	1857.5	QPSK	15MHz	1	74
Band 2	21.7	18675	1857.5	QPSK	15MHz	36	0
Band 2	21.69	18675	1857.5	QPSK	15MHz	36	19
Band 2	21.62	18675	1857.5	QPSK	15MHz	36	39
Band 2	21.65	18675	1857.5	QPSK	15MHz	75	0
Band 2	22.75	18900	1880	QPSK	15MHz	1	0
Band 2	22.77	18900	1880	QPSK	15MHz	1	37
Band 2	22.79	18900	1880	QPSK	15MHz	1	74
Band 2	21.82	18900	1880	QPSK	15MHz	36	0
Band 2	21.75	18900	1880	QPSK	15MHz	36	19
Band 2	21.74	18900	1880	QPSK	15MHz	36	39
Band 2	21.68	18900	1880	QPSK	15MHz	75	0
Band 2	22.49	19125	1902.5	QPSK	15MHz	1	0
Band 2	22.37	19125	1902.5	QPSK	15MHz	1	37
Band 2	22.37	19125	1902.5	QPSK	15MHz	1	74
Band 2	21.45	19125	1902.5	QPSK	15MHz	36	0
Band 2	21.44	19125	1902.5	QPSK	15MHz	36	19
Band 2	21.44	19125	1902.5	QPSK	15MHz	36	39
Band 2	21.46	19125	1902.5	QPSK	15MHz	75	0
Band 2	22.27	18675	1857.5	16QAM	15MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	22.12	18675	1857.5	16QAM	15MHz	1	37
Band 2	21.85	18675	1857.5	16QAM	15MHz	1	74
Band 2	20.79	18675	1857.5	16QAM	15MHz	36	0
Band 2	20.8	18675	1857.5	16QAM	15MHz	36	19
Band 2	20.7	18675	1857.5	16QAM	15MHz	36	39
Band 2	20.81	18675	1857.5	16QAM	15MHz	75	0
Band 2	21.94	18900	1880	16QAM	15MHz	1	0
Band 2	21.76	18900	1880	16QAM	15MHz	1	37
Band 2	21.68	18900	1880	16QAM	15MHz	1	74
Band 2	20.96	18900	1880	16QAM	15MHz	36	0
Band 2	20.95	18900	1880	16QAM	15MHz	36	19
Band 2	20.91	18900	1880	16QAM	15MHz	36	39
Band 2	20.87	18900	1880	16QAM	15MHz	75	0
Band 2	21.59	19125	1902.5	16QAM	15MHz	1	0
Band 2	21.74	19125	1902.5	16QAM	15MHz	1	37
Band 2	21.27	19125	1902.5	16QAM	15MHz	1	74
Band 2	20.57	19125	1902.5	16QAM	15MHz	36	0
Band 2	20.57	19125	1902.5	16QAM	15MHz	36	19
Band 2	20.55	19125	1902.5	16QAM	15MHz	36	39
Band 2	20.54	19125	1902.5	16QAM	15MHz	75	0
Band 2	22.89	18700	1860	QPSK	20MHz	1	0
Band 2	22.78	18700	1860	QPSK	20MHz	1	49
Band 2	22.49	18700	1860	QPSK	20MHz	1	99
Band 2	21.66	18700	1860	QPSK	20MHz	50	0
Band 2	21.66	18700	1860	QPSK	20MHz	50	25
Band 2	21.64	18700	1860	QPSK	20MHz	50	50
Band 2	21.67	18700	1860	QPSK	20MHz	100	0
Band 2	22.96	18900	1880	QPSK	20MHz	1	0
Band 2	22.86	18900	1880	QPSK	20MHz	1	49
Band 2	22.56	18900	1880	QPSK	20MHz	1	99
Band 2	21.7	18900	1880	QPSK	20MHz	50	0
Band 2	21.75	18900	1880	QPSK	20MHz	50	25

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 2	21.81	18900	1880	QPSK	20MHz	50	50
Band 2	21.69	18900	1880	QPSK	20MHz	100	0
Band 2	22.94	19100	1900	QPSK	20MHz	1	0
Band 2	22.45	19100	1900	QPSK	20MHz	1	49
Band 2	22.39	19100	1900	QPSK	20MHz	1	99
Band 2	21.58	19100	1900	QPSK	20MHz	50	0
Band 2	21.55	19100	1900	QPSK	20MHz	50	25
Band 2	21.37	19100	1900	QPSK	20MHz	50	50
Band 2	21.55	19100	1900	QPSK	20MHz	100	0
Band 2	22.15	18700	1860	16QAM	20MHz	1	0
Band 2	22.21	18700	1860	16QAM	20MHz	1	49
Band 2	21.8	18700	1860	16QAM	20MHz	1	99
Band 2	20.83	18700	1860	16QAM	20MHz	50	0
Band 2	20.8	18700	1860	16QAM	20MHz	50	25
Band 2	20.76	18700	1860	16QAM	20MHz	50	50
Band 2	20.75	18700	1860	16QAM	20MHz	100	0
Band 2	22.09	18900	1880	16QAM	20MHz	1	0
Band 2	22.13	18900	1880	16QAM	20MHz	1	49
Band 2	22.31	18900	1880	16QAM	20MHz	1	99
Band 2	20.9	18900	1880	16QAM	20MHz	50	0
Band 2	20.99	18900	1880	16QAM	20MHz	50	25
Band 2	20.93	18900	1880	16QAM	20MHz	50	50
Band 2	20.96	18900	1880	16QAM	20MHz	100	0
Band 2	22.14	19100	1900	16QAM	20MHz	1	0
Band 2	21.52	19100	1900	16QAM	20MHz	1	49
Band 2	21.6	19100	1900	16QAM	20MHz	1	99
Band 2	20.72	19100	1900	16QAM	20MHz	50	0
Band 2	20.51	19100	1900	16QAM	20MHz	50	25
Band 2	20.53	19100	1900	16QAM	20MHz	50	50
Band 2	20.62	19100	1900	16QAM	20MHz	100	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	22.13	19957	1710.7	QPSK	1.4MHz	1	0
Band 4	22.1	19957	1710.7	QPSK	1.4MHz	1	2
Band 4	22.08	19957	1710.7	QPSK	1.4MHz	1	5
Band 4	22.16	19957	1710.7	QPSK	1.4MHz	3	0
Band 4	22.17	19957	1710.7	QPSK	1.4MHz	3	1
Band 4	22.15	19957	1710.7	QPSK	1.4MHz	3	3
Band 4	21.22	19957	1710.7	QPSK	1.4MHz	6	0
Band 4	22.27	20175	1732.5	QPSK	1.4MHz	1	0
Band 4	22.29	20175	1732.5	QPSK	1.4MHz	1	2
Band 4	22.13	20175	1732.5	QPSK	1.4MHz	1	5
Band 4	22.29	20175	1732.5	QPSK	1.4MHz	3	0
Band 4	22.41	20175	1732.5	QPSK	1.4MHz	3	1
Band 4	22.27	20175	1732.5	QPSK	1.4MHz	3	3
Band 4	21.34	20175	1732.5	QPSK	1.4MHz	6	0
Band 4	22.11	20393	1754.3	QPSK	1.4MHz	1	0
Band 4	22.22	20393	1754.3	QPSK	1.4MHz	1	2
Band 4	22.03	20393	1754.3	QPSK	1.4MHz	1	5
Band 4	22.13	20393	1754.3	QPSK	1.4MHz	3	0
Band 4	22.29	20393	1754.3	QPSK	1.4MHz	3	1
Band 4	22.19	20393	1754.3	QPSK	1.4MHz	3	3
Band 4	21.14	20393	1754.3	QPSK	1.4MHz	6	0
Band 4	21.2	19957	1710.7	16QAM	1.4MHz	1	0
Band 4	21.49	19957	1710.7	16QAM	1.4MHz	1	2
Band 4	21.15	19957	1710.7	16QAM	1.4MHz	1	5
Band 4	21.13	19957	1710.7	16QAM	1.4MHz	3	0
Band 4	21.17	19957	1710.7	16QAM	1.4MHz	3	1
Band 4	21.21	19957	1710.7	16QAM	1.4MHz	3	3
Band 4	20.23	19957	1710.7	16QAM	1.4MHz	6	0
Band 4	21.7	20175	1732.5	16QAM	1.4MHz	1	0
Band 4	21.75	20175	1732.5	16QAM	1.4MHz	1	2
Band 4	21.15	20175	1732.5	16QAM	1.4MHz	1	5
Band 4	21.41	20175	1732.5	16QAM	1.4MHz	3	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	21.23	20175	1732.5	16QAM	1.4MHz	3	1
Band 4	21.3	20175	1732.5	16QAM	1.4MHz	3	3
Band 4	20.41	20175	1732.5	16QAM	1.4MHz	6	0
Band 4	21.67	20393	1754.3	16QAM	1.4MHz	1	0
Band 4	21.38	20393	1754.3	16QAM	1.4MHz	1	2
Band 4	21.41	20393	1754.3	16QAM	1.4MHz	1	5
Band 4	21.18	20393	1754.3	16QAM	1.4MHz	3	0
Band 4	21.29	20393	1754.3	16QAM	1.4MHz	3	1
Band 4	21.34	20393	1754.3	16QAM	1.4MHz	3	3
Band 4	20.36	20393	1754.3	16QAM	1.4MHz	6	0
Band 4	22.17	19965	1711.5	QPSK	3MHz	1	0
Band 4	22.17	19965	1711.5	QPSK	3MHz	1	7
Band 4	22.1	19965	1711.5	QPSK	3MHz	1	14
Band 4	21.2	19965	1711.5	QPSK	3MHz	8	0
Band 4	21.22	19965	1711.5	QPSK	3MHz	8	3
Band 4	21.14	19965	1711.5	QPSK	3MHz	8	7
Band 4	21.19	19965	1711.5	QPSK	3MHz	15	0
Band 4	22.26	20175	1732.5	QPSK	3MHz	1	0
Band 4	22.4	20175	1732.5	QPSK	3MHz	1	7
Band 4	22.2	20175	1732.5	QPSK	3MHz	1	14
Band 4	21.31	20175	1732.5	QPSK	3MHz	8	0
Band 4	21.33	20175	1732.5	QPSK	3MHz	8	3
Band 4	21.31	20175	1732.5	QPSK	3MHz	8	7
Band 4	21.3	20175	1732.5	QPSK	3MHz	15	0
Band 4	22.2	20385	1753.5	QPSK	3MHz	1	0
Band 4	22.25	20385	1753.5	QPSK	3MHz	1	7
Band 4	22.13	20385	1753.5	QPSK	3MHz	1	14
Band 4	21.29	20385	1753.5	QPSK	3MHz	8	0
Band 4	21.31	20385	1753.5	QPSK	3MHz	8	3
Band 4	21.2	20385	1753.5	QPSK	3MHz	8	7
Band 4	21.28	20385	1753.5	QPSK	3MHz	15	0
Band 4	21.63	19965	1711.5	16QAM	3MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	21.75	19965	1711.5	16QAM	3MHz	1	7
Band 4	21.71	19965	1711.5	16QAM	3MHz	1	14
Band 4	20.32	19965	1711.5	16QAM	3MHz	8	0
Band 4	20.44	19965	1711.5	16QAM	3MHz	8	3
Band 4	20.32	19965	1711.5	16QAM	3MHz	8	7
Band 4	20.3	19965	1711.5	16QAM	3MHz	15	0
Band 4	21.39	20175	1732.5	16QAM	3MHz	1	0
Band 4	21.83	20175	1732.5	16QAM	3MHz	1	7
Band 4	21.7	20175	1732.5	16QAM	3MHz	1	14
Band 4	20.42	20175	1732.5	16QAM	3MHz	8	0
Band 4	20.44	20175	1732.5	16QAM	3MHz	8	3
Band 4	20.4	20175	1732.5	16QAM	3MHz	8	7
Band 4	20.43	20175	1732.5	16QAM	3MHz	15	0
Band 4	21.42	20385	1753.5	16QAM	3MHz	1	0
Band 4	21.79	20385	1753.5	16QAM	3MHz	1	7
Band 4	21.62	20385	1753.5	16QAM	3MHz	1	14
Band 4	20.39	20385	1753.5	16QAM	3MHz	8	0
Band 4	20.53	20385	1753.5	16QAM	3MHz	8	3
Band 4	20.45	20385	1753.5	16QAM	3MHz	8	7
Band 4	20.42	20385	1753.5	16QAM	3MHz	15	0
Band 4	22.29	19975	1712.5	QPSK	5MHz	1	0
Band 4	22.22	19975	1712.5	QPSK	5MHz	1	12
Band 4	22.12	19975	1712.5	QPSK	5MHz	1	24
Band 4	21.19	19975	1712.5	QPSK	5MHz	12	0
Band 4	21.25	19975	1712.5	QPSK	5MHz	12	6
Band 4	21.2	19975	1712.5	QPSK	5MHz	12	13
Band 4	21.24	19975	1712.5	QPSK	5MHz	25	0
Band 4	22.29	20175	1732.5	QPSK	5MHz	1	0
Band 4	22.21	20175	1732.5	QPSK	5MHz	1	12
Band 4	22.15	20175	1732.5	QPSK	5MHz	1	24
Band 4	21.3	20175	1732.5	QPSK	5MHz	12	0
Band 4	21.3	20175	1732.5	QPSK	5MHz	12	6

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	21.24	20175	1732.5	QPSK	5MHz	12	13
Band 4	21.31	20175	1732.5	QPSK	5MHz	25	0
Band 4	22.18	20375	1752.5	QPSK	5MHz	1	0
Band 4	22.19	20375	1752.5	QPSK	5MHz	1	12
Band 4	22.06	20375	1752.5	QPSK	5MHz	1	24
Band 4	21.27	20375	1752.5	QPSK	5MHz	12	0
Band 4	21.27	20375	1752.5	QPSK	5MHz	12	6
Band 4	21.21	20375	1752.5	QPSK	5MHz	12	13
Band 4	21.29	20375	1752.5	QPSK	5MHz	25	0
Band 4	21.37	19975	1712.5	16QAM	5MHz	1	0
Band 4	21.06	19975	1712.5	16QAM	5MHz	1	12
Band 4	21	19975	1712.5	16QAM	5MHz	1	24
Band 4	20.22	19975	1712.5	16QAM	5MHz	12	0
Band 4	20.25	19975	1712.5	16QAM	5MHz	12	6
Band 4	20.2	19975	1712.5	16QAM	5MHz	12	13
Band 4	20.16	19975	1712.5	16QAM	5MHz	25	0
Band 4	21.39	20175	1732.5	16QAM	5MHz	1	0
Band 4	21.2	20175	1732.5	16QAM	5MHz	1	12
Band 4	21.13	20175	1732.5	16QAM	5MHz	1	24
Band 4	20.35	20175	1732.5	16QAM	5MHz	12	0
Band 4	20.46	20175	1732.5	16QAM	5MHz	12	6
Band 4	20.39	20175	1732.5	16QAM	5MHz	12	13
Band 4	20.45	20175	1732.5	16QAM	5MHz	25	0
Band 4	21.48	20375	1752.5	16QAM	5MHz	1	0
Band 4	21.4	20375	1752.5	16QAM	5MHz	1	12
Band 4	21.6	20375	1752.5	16QAM	5MHz	1	24
Band 4	20.39	20375	1752.5	16QAM	5MHz	12	0
Band 4	20.5	20375	1752.5	16QAM	5MHz	12	6
Band 4	20.37	20375	1752.5	16QAM	5MHz	12	11
Band 4	20.44	20375	1752.5	16QAM	5MHz	25	0
Band 4	22.14	20000	1715	QPSK	10MHz	1	0
Band 4	22.31	20000	1715	QPSK	10MHz	1	24

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	22.2	20000	1715	QPSK	10MHz	1	49
Band 4	21.27	20000	1715	QPSK	10MHz	25	0
Band 4	21.27	20000	1715	QPSK	10MHz	25	12
Band 4	21.16	20000	1715	QPSK	10MHz	25	25
Band 4	21.21	20000	1715	QPSK	10MHz	50	0
Band 4	22.39	20175	1732.5	QPSK	10MHz	1	0
Band 4	22.37	20175	1732.5	QPSK	10MHz	1	24
Band 4	22.08	20175	1732.5	QPSK	10MHz	1	49
Band 4	21.32	20175	1732.5	QPSK	10MHz	25	0
Band 4	21.3	20175	1732.5	QPSK	10MHz	25	12
Band 4	21.34	20175	1732.5	QPSK	10MHz	25	25
Band 4	21.32	20175	1732.5	QPSK	10MHz	50	0
Band 4	22.26	20350	1750	QPSK	10MHz	1	0
Band 4	22.12	20350	1750	QPSK	10MHz	1	24
Band 4	22.2	20350	1750	QPSK	10MHz	1	49
Band 4	21.26	20350	1750	QPSK	10MHz	25	0
Band 4	21.28	20350	1750	QPSK	10MHz	25	12
Band 4	21.25	20350	1750	QPSK	10MHz	25	25
Band 4	21.34	20350	1750	QPSK	10MHz	50	0
Band 4	21.07	20000	1715	16QAM	10MHz	1	0
Band 4	21.11	20000	1715	16QAM	10MHz	1	24
Band 4	21.41	20000	1715	16QAM	10MHz	1	49
Band 4	20.31	20000	1715	16QAM	10MHz	25	0
Band 4	20.25	20000	1715	16QAM	10MHz	25	12
Band 4	20.22	20000	1715	16QAM	10MHz	25	25
Band 4	20.31	20000	1715	16QAM	10MHz	50	0
Band 4	21.66	20175	1732.5	16QAM	10MHz	1	0
Band 4	21.47	20175	1732.5	16QAM	10MHz	1	24
Band 4	21.55	20175	1732.5	16QAM	10MHz	1	49
Band 4	20.44	20175	1732.5	16QAM	10MHz	25	0
Band 4	20.36	20175	1732.5	16QAM	10MHz	25	12
Band 4	20.42	20175	1732.5	16QAM	10MHz	25	25

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	20.41	20175	1732.5	16QAM	10MHz	50	0
Band 4	21.74	20350	1750	16QAM	10MHz	1	0
Band 4	21.77	20350	1750	16QAM	10MHz	1	24
Band 4	21.05	20350	1750	16QAM	10MHz	1	49
Band 4	20.39	20350	1750	16QAM	10MHz	25	0
Band 4	20.42	20350	1750	16QAM	10MHz	25	12
Band 4	20.24	20350	1750	16QAM	10MHz	25	25
Band 4	20.44	20350	1750	16QAM	10MHz	50	0
Band 4	22.33	20025	1717.5	QPSK	15MHz	1	0
Band 4	22.36	20025	1717.5	QPSK	15MHz	1	37
Band 4	22.27	20025	1717.5	QPSK	15MHz	1	74
Band 4	21.35	20025	1717.5	QPSK	15MHz	36	0
Band 4	21.29	20025	1717.5	QPSK	15MHz	36	19
Band 4	21.36	20025	1717.5	QPSK	15MHz	36	39
Band 4	21.4	20025	1717.5	QPSK	15MHz	75	0
Band 4	22.39	20175	1732.5	QPSK	15MHz	1	0
Band 4	22.31	20175	1732.5	QPSK	15MHz	1	37
Band 4	22.23	20175	1732.5	QPSK	15MHz	1	74
Band 4	21.35	20175	1732.5	QPSK	15MHz	36	0
Band 4	21.37	20175	1732.5	QPSK	15MHz	36	19
Band 4	21.28	20175	1732.5	QPSK	15MHz	36	39
Band 4	21.28	20175	1732.5	QPSK	15MHz	75	0
Band 4	22.38	20325	1747.5	QPSK	15MHz	1	0
Band 4	22.18	20325	1747.5	QPSK	15MHz	1	37
Band 4	22.11	20325	1747.5	QPSK	15MHz	1	74
Band 4	21.29	20325	1747.5	QPSK	15MHz	36	0
Band 4	21.26	20325	1747.5	QPSK	15MHz	36	19
Band 4	21.21	20325	1747.5	QPSK	15MHz	36	39
Band 4	21.23	20325	1747.5	QPSK	15MHz	75	0
Band 4	21.64	20025	1717.5	16QAM	15MHz	1	0
Band 4	21.33	20025	1717.5	16QAM	15MHz	1	37
Band 4	21.66	20025	1717.5	16QAM	15MHz	1	74

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	20.33	20025	1717.5	16QAM	15MHz	36	0
Band 4	20.36	20025	1717.5	16QAM	15MHz	36	19
Band 4	20.56	20025	1717.5	16QAM	15MHz	36	39
Band 4	20.51	20025	1717.5	16QAM	15MHz	75	0
Band 4	21.61	20175	1732.5	16QAM	15MHz	1	0
Band 4	21.49	20175	1732.5	16QAM	15MHz	1	37
Band 4	21.33	20175	1732.5	16QAM	15MHz	1	74
Band 4	20.46	20175	1732.5	16QAM	15MHz	36	0
Band 4	20.5	20175	1732.5	16QAM	15MHz	36	19
Band 4	20.35	20175	1732.5	16QAM	15MHz	36	39
Band 4	20.44	20175	1732.5	16QAM	15MHz	75	0
Band 4	21.42	20325	1747.5	16QAM	15MHz	1	0
Band 4	21.75	20325	1747.5	16QAM	15MHz	1	37
Band 4	21.2	20325	1747.5	16QAM	15MHz	1	74
Band 4	20.37	20325	1747.5	16QAM	15MHz	36	0
Band 4	20.42	20325	1747.5	16QAM	15MHz	36	19
Band 4	20.42	20325	1747.5	16QAM	15MHz	36	39
Band 4	20.33	20325	1747.5	16QAM	15MHz	75	0
Band 4	22.32	20050	1720	QPSK	20MHz	1	0
Band 4	22.28	20050	1720	QPSK	20MHz	1	49
Band 4	22.28	20050	1720	QPSK	20MHz	1	99
Band 4	21.31	20050	1720	QPSK	20MHz	50	0
Band 4	21.41	20050	1720	QPSK	20MHz	50	25
Band 4	21.33	20050	1720	QPSK	20MHz	50	50
Band 4	21.34	20050	1720	QPSK	20MHz	100	0
Band 4	22.43	20175	1732.5	QPSK	20MHz	1	0
Band 4	22.28	20175	1732.5	QPSK	20MHz	1	49
Band 4	22.11	20175	1732.5	QPSK	20MHz	1	99
Band 4	21.43	20175	1732.5	QPSK	20MHz	50	0
Band 4	21.3	20175	1732.5	QPSK	20MHz	50	25
Band 4	21.27	20175	1732.5	QPSK	20MHz	50	50
Band 4	21.39	20175	1732.5	QPSK	20MHz	100	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 4	22.42	20300	1745	QPSK	20MHz	1	0
Band 4	22.14	20300	1745	QPSK	20MHz	1	49
Band 4	22.18	20300	1745	QPSK	20MHz	1	99
Band 4	21.32	20300	1745	QPSK	20MHz	50	0
Band 4	21.31	20300	1745	QPSK	20MHz	50	25
Band 4	21.21	20300	1745	QPSK	20MHz	50	50
Band 4	21.3	20300	1745	QPSK	20MHz	100	0
Band 4	21.58	20050	1720	16QAM	20MHz	1	0
Band 4	21.4	20050	1720	16QAM	20MHz	1	49
Band 4	21.76	20050	1720	16QAM	20MHz	1	99
Band 4	20.4	20050	1720	16QAM	20MHz	50	0
Band 4	20.5	20050	1720	16QAM	20MHz	50	25
Band 4	20.41	20050	1720	16QAM	20MHz	50	50
Band 4	20.53	20050	1720	16QAM	20MHz	100	0
Band 4	21.66	20175	1732.5	16QAM	20MHz	1	0
Band 4	21.57	20175	1732.5	16QAM	20MHz	1	49
Band 4	21.58	20175	1732.5	16QAM	20MHz	1	99
Band 4	20.43	20175	1732.5	16QAM	20MHz	50	0
Band 4	20.53	20175	1732.5	16QAM	20MHz	50	25
Band 4	20.38	20175	1732.5	16QAM	20MHz	50	50
Band 4	20.34	20175	1732.5	16QAM	20MHz	100	0
Band 4	21.91	20300	1745	16QAM	20MHz	1	0
Band 4	21.48	20300	1745	16QAM	20MHz	1	49
Band 4	21.37	20300	1745	16QAM	20MHz	1	99
Band 4	20.36	20300	1745	16QAM	20MHz	50	0
Band 4	20.43	20300	1745	16QAM	20MHz	50	25
Band 4	20.29	20300	1745	16QAM	20MHz	50	50
Band 4	20.29	20300	1745	16QAM	20MHz	100	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 5	22.82	20407	824.7	QPSK	1.4MHz	1	0
Band 5	22.93	20407	824.7	QPSK	1.4MHz	1	2
Band 5	22.86	20407	824.7	QPSK	1.4MHz	1	5
Band 5	22.83	20407	824.7	QPSK	1.4MHz	3	0
Band 5	22.94	20407	824.7	QPSK	1.4MHz	3	1
Band 5	22.94	20407	824.7	QPSK	1.4MHz	3	3
Band 5	21.95	20407	824.7	QPSK	1.4MHz	6	0
Band 5	22.87	20525	836.5	QPSK	1.4MHz	1	0
Band 5	22.93	20525	836.5	QPSK	1.4MHz	1	2
Band 5	22.81	20525	836.5	QPSK	1.4MHz	1	5
Band 5	22.92	20525	836.5	QPSK	1.4MHz	3	0
Band 5	22.94	20525	836.5	QPSK	1.4MHz	3	1
Band 5	22.89	20525	836.5	QPSK	1.4MHz	3	3
Band 5	21.95	20525	836.5	QPSK	1.4MHz	6	0
Band 5	22.73	20643	848.3	QPSK	1.4MHz	1	0
Band 5	22.88	20643	848.3	QPSK	1.4MHz	1	2
Band 5	22.91	20643	848.3	QPSK	1.4MHz	1	5
Band 5	22.74	20643	848.3	QPSK	1.4MHz	3	0
Band 5	22.8	20643	848.3	QPSK	1.4MHz	3	1
Band 5	22.78	20643	848.3	QPSK	1.4MHz	3	3
Band 5	21.82	20643	848.3	QPSK	1.4MHz	6	0
Band 5	21.99	20407	824.7	16QAM	1.4MHz	1	0
Band 5	21.93	20407	824.7	16QAM	1.4MHz	1	2
Band 5	21.96	20407	824.7	16QAM	1.4MHz	1	5
Band 5	21.84	20407	824.7	16QAM	1.4MHz	3	0
Band 5	21.78	20407	824.7	16QAM	1.4MHz	3	1
Band 5	21.94	20407	824.7	16QAM	1.4MHz	3	3
Band 5	20.96	20407	824.7	16QAM	1.4MHz	6	0
Band 5	21.93	20525	836.5	16QAM	1.4MHz	1	0
Band 5	21.92	20525	836.5	16QAM	1.4MHz	1	2
Band 5	21.85	20525	836.5	16QAM	1.4MHz	1	5
Band 5	21.98	20525	836.5	16QAM	1.4MHz	3	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 5	21.96	20525	836.5	16QAM	1.4MHz	3	1
Band 5	21.96	20525	836.5	16QAM	1.4MHz	3	3
Band 5	20.97	20525	836.5	16QAM	1.4MHz	6	0
Band 5	21.09	20643	848.3	16QAM	1.4MHz	1	0
Band 5	21.6	20643	848.3	16QAM	1.4MHz	1	2
Band 5	21.6	20643	848.3	16QAM	1.4MHz	1	5
Band 5	21.67	20643	848.3	16QAM	1.4MHz	3	0
Band 5	21.66	20643	848.3	16QAM	1.4MHz	3	1
Band 5	21.67	20643	848.3	16QAM	1.4MHz	3	3
Band 5	20.83	20643	848.3	16QAM	1.4MHz	6	0
Band 5	22.89	20415	825.5	QPSK	3MHz	1	0
Band 5	22.93	20415	825.5	QPSK	3MHz	1	7
Band 5	22.73	20415	825.5	QPSK	3MHz	1	14
Band 5	21.97	20415	825.5	QPSK	3MHz	8	0
Band 5	22	20415	825.5	QPSK	3MHz	8	3
Band 5	21.9	20415	825.5	QPSK	3MHz	8	7
Band 5	21.99	20415	825.5	QPSK	3MHz	15	0
Band 5	22.85	20525	836.5	QPSK	3MHz	1	0
Band 5	22.9	20525	836.5	QPSK	3MHz	1	7
Band 5	22.92	20525	836.5	QPSK	3MHz	1	14
Band 5	21.94	20525	836.5	QPSK	3MHz	8	0
Band 5	21.97	20525	836.5	QPSK	3MHz	8	3
Band 5	21.98	20525	836.5	QPSK	3MHz	8	7
Band 5	21.93	20525	836.5	QPSK	3MHz	15	0
Band 5	22.7	20635	847.5	QPSK	3MHz	1	0
Band 5	22.81	20635	847.5	QPSK	3MHz	1	7
Band 5	22.7	20635	847.5	QPSK	3MHz	1	14
Band 5	21.82	20635	847.5	QPSK	3MHz	8	0
Band 5	21.86	20635	847.5	QPSK	3MHz	8	3
Band 5	21.77	20635	847.5	QPSK	3MHz	8	7
Band 5	21.86	20635	847.5	QPSK	3MHz	15	0
Band 5	21.93	20415	825.5	16QAM	3MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 5	21.99	20415	825.5	16QAM	3MHz	1	7
Band 5	22	20415	825.5	16QAM	3MHz	1	14
Band 5	20.9	20415	825.5	16QAM	3MHz	8	0
Band 5	20.92	20415	825.5	16QAM	3MHz	8	3
Band 5	20.91	20415	825.5	16QAM	3MHz	8	7
Band 5	20.9	20415	825.5	16QAM	3MHz	15	0
Band 5	21.94	20525	836.5	16QAM	3MHz	1	0
Band 5	21.97	20525	836.5	16QAM	3MHz	1	7
Band 5	21.89	20525	836.5	16QAM	3MHz	1	14
Band 5	20.95	20525	836.5	16QAM	3MHz	8	0
Band 5	20.88	20525	836.5	16QAM	3MHz	8	3
Band 5	20.88	20525	836.5	16QAM	3MHz	8	7
Band 5	20.97	20525	836.5	16QAM	3MHz	15	0
Band 5	21.96	20635	847.5	16QAM	3MHz	1	0
Band 5	21.98	20635	847.5	16QAM	3MHz	1	7
Band 5	21.84	20635	847.5	16QAM	3MHz	1	14
Band 5	20.86	20635	847.5	16QAM	3MHz	8	0
Band 5	20.94	20635	847.5	16QAM	3MHz	8	3
Band 5	20.73	20635	847.5	16QAM	3MHz	8	7
Band 5	20.83	20635	847.5	16QAM	3MHz	15	0
Band 5	22.94	20425	826.5	QPSK	5MHz	1	0
Band 5	22.91	20425	826.5	QPSK	5MHz	1	12
Band 5	22.92	20425	826.5	QPSK	5MHz	1	24
Band 5	21.95	20425	826.5	QPSK	5MHz	12	0
Band 5	21.9	20425	826.5	QPSK	5MHz	12	6
Band 5	21.91	20425	826.5	QPSK	5MHz	12	13
Band 5	21.91	20425	826.5	QPSK	5MHz	25	0
Band 5	22.9	20525	836.5	QPSK	5MHz	1	0
Band 5	22.94	20525	836.5	QPSK	5MHz	1	12
Band 5	22.8	20525	836.5	QPSK	5MHz	1	24
Band 5	21.95	20525	836.5	QPSK	5MHz	12	0
Band 5	21.91	20525	836.5	QPSK	5MHz	12	6

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 5	21.96	20525	836.5	QPSK	5MHz	12	13
Band 5	21.97	20525	836.5	QPSK	5MHz	25	0
Band 5	22.79	20625	846.5	QPSK	5MHz	1	0
Band 5	22.77	20625	846.5	QPSK	5MHz	1	12
Band 5	22.74	20625	846.5	QPSK	5MHz	1	24
Band 5	21.73	20625	846.5	QPSK	5MHz	12	0
Band 5	21.8	20625	846.5	QPSK	5MHz	12	6
Band 5	21.8	20625	846.5	QPSK	5MHz	12	13
Band 5	21.84	20625	846.5	QPSK	5MHz	25	0
Band 5	21.93	20425	826.5	16QAM	5MHz	1	0
Band 5	21.92	20425	826.5	16QAM	5MHz	1	12
Band 5	21.63	20425	826.5	16QAM	5MHz	1	24
Band 5	20.97	20425	826.5	16QAM	5MHz	12	0
Band 5	21	20425	826.5	16QAM	5MHz	12	6
Band 5	20.93	20425	826.5	16QAM	5MHz	12	13
Band 5	20.94	20425	826.5	16QAM	5MHz	25	0
Band 5	21.8	20525	836.5	16QAM	5MHz	1	0
Band 5	21.94	20525	836.5	16QAM	5MHz	1	12
Band 5	21.86	20525	836.5	16QAM	5MHz	1	24
Band 5	20.99	20525	836.5	16QAM	5MHz	12	0
Band 5	20.98	20525	836.5	16QAM	5MHz	12	6
Band 5	20.93	20525	836.5	16QAM	5MHz	12	13
Band 5	20.95	20525	836.5	16QAM	5MHz	25	0
Band 5	21.78	20625	846.5	16QAM	5MHz	1	0
Band 5	21.77	20625	846.5	16QAM	5MHz	1	12
Band 5	21.66	20625	846.5	16QAM	5MHz	1	24
Band 5	20.76	20625	846.5	16QAM	5MHz	12	0
Band 5	20.92	20625	846.5	16QAM	5MHz	12	6
Band 5	20.99	20625	846.5	16QAM	5MHz	12	11
Band 5	20.99	20625	846.5	16QAM	5MHz	25	0
Band 5	22.95	20450	829	QPSK	10MHz	1	0
Band 5	22.74	20450	829	QPSK	10MHz	1	24

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 5	22.85	20450	829	QPSK	10MHz	1	49
Band 5	21.83	20450	829	QPSK	10MHz	25	0
Band 5	21.92	20450	829	QPSK	10MHz	25	12
Band 5	21.96	20450	829	QPSK	10MHz	25	25
Band 5	21.92	20450	829	QPSK	10MHz	50	0
Band 5	22.97	20525	836.5	QPSK	10MHz	1	0
Band 5	22.8	20525	836.5	QPSK	10MHz	1	24
Band 5	22.82	20525	836.5	QPSK	10MHz	1	49
Band 5	21.93	20525	836.5	QPSK	10MHz	25	0
Band 5	21.97	20525	836.5	QPSK	10MHz	25	12
Band 5	21.9	20525	836.5	QPSK	10MHz	25	25
Band 5	21.94	20525	836.5	QPSK	10MHz	50	0
Band 5	22.79	20600	844	QPSK	10MHz	1	0
Band 5	22.77	20600	844	QPSK	10MHz	1	24
Band 5	22.56	20600	844	QPSK	10MHz	1	49
Band 5	21.84	20600	844	QPSK	10MHz	25	0
Band 5	21.9	20600	844	QPSK	10MHz	25	12
Band 5	21.82	20600	844	QPSK	10MHz	25	25
Band 5	21.84	20600	844	QPSK	10MHz	50	0
Band 5	22	20450	829	16QAM	10MHz	1	0
Band 5	21.91	20450	829	16QAM	10MHz	1	24
Band 5	21.89	20450	829	16QAM	10MHz	1	49
Band 5	20.94	20450	829	16QAM	10MHz	25	0
Band 5	20.9	20450	829	16QAM	10MHz	25	12
Band 5	20.99	20450	829	16QAM	10MHz	25	25
Band 5	20.94	20450	829	16QAM	10MHz	50	0
Band 5	21.95	20525	836.5	16QAM	10MHz	1	0
Band 5	21.96	20525	836.5	16QAM	10MHz	1	24
Band 5	21.86	20525	836.5	16QAM	10MHz	1	49
Band 5	20.95	20525	836.5	16QAM	10MHz	25	0
Band 5	20.96	20525	836.5	16QAM	10MHz	25	12
Band 5	20.99	20525	836.5	16QAM	10MHz	25	25

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 5	20.9	20525	836.5	16QAM	10MHz	50	0
Band 5	21.91	20600	844	16QAM	10MHz	1	0
Band 5	21.92	20600	844	16QAM	10MHz	1	24
Band 5	21.96	20600	844	16QAM	10MHz	1	49
Band 5	20.9	20600	844	16QAM	10MHz	25	0
Band 5	20.84	20600	844	16QAM	10MHz	25	12
Band 5	20.84	20600	844	16QAM	10MHz	25	25
Band 5	20.88	20600	844	16QAM	10MHz	50	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 7	20.58	20775	2502.5	QPSK	5MHz	1	0
Band 7	20.18	20775	2502.5	QPSK	5MHz	1	12
Band 7	20.23	20775	2502.5	QPSK	5MHz	1	24
Band 7	20.46	20775	2502.5	QPSK	5MHz	12	0
Band 7	20.43	20775	2502.5	QPSK	5MHz	12	6
Band 7	20.41	20775	2502.5	QPSK	5MHz	12	13
Band 7	20.37	20775	2502.5	QPSK	5MHz	25	0
Band 7	21.16	21100	2535	QPSK	5MHz	1	0
Band 7	21.15	21100	2535	QPSK	5MHz	1	12
Band 7	21.12	21100	2535	QPSK	5MHz	1	24
Band 7	20.15	21100	2535	QPSK	5MHz	12	0
Band 7	20.22	21100	2535	QPSK	5MHz	12	6
Band 7	20.22	21100	2535	QPSK	5MHz	12	13
Band 7	20.15	21100	2535	QPSK	5MHz	25	0
Band 7	21.12	21425	2567.5	QPSK	5MHz	1	0
Band 7	21.23	21425	2567.5	QPSK	5MHz	1	12
Band 7	21.2	21425	2567.5	QPSK	5MHz	1	24
Band 7	20.37	21425	2567.5	QPSK	5MHz	12	0
Band 7	20.37	21425	2567.5	QPSK	5MHz	12	6
Band 7	20.34	21425	2567.5	QPSK	5MHz	12	13
Band 7	20.41	21425	2567.5	QPSK	5MHz	25	0
Band 7	20.3	20775	2502.5	16QAM	5MHz	1	0
Band 7	20.06	20775	2502.5	16QAM	5MHz	1	12
Band 7	20.52	20775	2502.5	16QAM	5MHz	1	24
Band 7	19.63	20775	2502.5	16QAM	5MHz	12	0
Band 7	19.68	20775	2502.5	16QAM	5MHz	12	6
Band 7	19.62	20775	2502.5	16QAM	5MHz	12	13
Band 7	19.45	20775	2502.5	16QAM	5MHz	25	0
Band 7	20.59	21100	2535	16QAM	5MHz	1	0
Band 7	20.31	21100	2535	16QAM	5MHz	1	12
Band 7	20.33	21100	2535	16QAM	5MHz	1	24
Band 7	19.27	21100	2535	16QAM	5MHz	12	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 7	19.36	21100	2535	16QAM	5MHz	12	6
Band 7	19.27	21100	2535	16QAM	5MHz	12	13
Band 7	19.33	21100	2535	16QAM	5MHz	25	0
Band 7	20.47	21425	2567.5	16QAM	5MHz	1	0
Band 7	20.8	21425	2567.5	16QAM	5MHz	1	12
Band 7	20.8	21425	2567.5	16QAM	5MHz	1	24
Band 7	19.48	21425	2567.5	16QAM	5MHz	12	0
Band 7	19.51	21425	2567.5	16QAM	5MHz	12	6
Band 7	19.52	21425	2567.5	16QAM	5MHz	12	11
Band 7	19.53	21425	2567.5	16QAM	5MHz	25	0
Band 7	21.02	20800	2505	QPSK	10MHz	1	0
Band 7	20.97	20800	2505	QPSK	10MHz	1	24
Band 7	21.28	20800	2505	QPSK	10MHz	1	49
Band 7	20.23	20800	2505	QPSK	10MHz	25	0
Band 7	20.4	20800	2505	QPSK	10MHz	25	12
Band 7	20.21	20800	2505	QPSK	10MHz	25	25
Band 7	20.33	20800	2505	QPSK	10MHz	50	0
Band 7	21.07	21100	2535	QPSK	10MHz	1	0
Band 7	21.13	21100	2535	QPSK	10MHz	1	24
Band 7	21.24	21100	2535	QPSK	10MHz	1	49
Band 7	20.21	21100	2535	QPSK	10MHz	25	0
Band 7	20.19	21100	2535	QPSK	10MHz	25	12
Band 7	20.19	21100	2535	QPSK	10MHz	25	25
Band 7	20.32	21100	2535	QPSK	10MHz	50	0
Band 7	21.24	21400	2565	QPSK	10MHz	1	0
Band 7	21.21	21400	2565	QPSK	10MHz	1	24
Band 7	21.22	21400	2565	QPSK	10MHz	1	49
Band 7	20.37	21400	2565	QPSK	10MHz	25	0
Band 7	20.3	21400	2565	QPSK	10MHz	25	12
Band 7	20.42	21400	2565	QPSK	10MHz	25	25
Band 7	20.29	21400	2565	QPSK	10MHz	50	0
Band 7	20.15	20800	2505	16QAM	10MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 7	20.35	20800	2505	16QAM	10MHz	1	24
Band 7	20.22	20800	2505	16QAM	10MHz	1	49
Band 7	19.41	20800	2505	16QAM	10MHz	25	0
Band 7	19.52	20800	2505	16QAM	10MHz	25	12
Band 7	19.3	20800	2505	16QAM	10MHz	25	25
Band 7	19.39	20800	2505	16QAM	10MHz	50	0
Band 7	20.21	21100	2535	16QAM	10MHz	1	0
Band 7	20.19	21100	2535	16QAM	10MHz	1	24
Band 7	20	21100	2535	16QAM	10MHz	1	49
Band 7	19.23	21100	2535	16QAM	10MHz	25	0
Band 7	19.21	21100	2535	16QAM	10MHz	25	12
Band 7	19.35	21100	2535	16QAM	10MHz	25	25
Band 7	19.24	21100	2535	16QAM	10MHz	50	0
Band 7	20.42	21400	2565	16QAM	10MHz	1	0
Band 7	20.31	21400	2565	16QAM	10MHz	1	24
Band 7	20.43	21400	2565	16QAM	10MHz	1	49
Band 7	19.4	21400	2565	16QAM	10MHz	25	0
Band 7	19.38	21400	2565	16QAM	10MHz	25	12
Band 7	19.39	21400	2565	16QAM	10MHz	25	25
Band 7	19.35	21400	2565	16QAM	10MHz	50	0
Band 7	21.08	20825	2507.5	QPSK	15MHz	1	0
Band 7	21.14	20825	2507.5	QPSK	15MHz	1	37
Band 7	21.25	20825	2507.5	QPSK	15MHz	1	74
Band 7	20.43	20825	2507.5	QPSK	15MHz	36	0
Band 7	20.34	20825	2507.5	QPSK	15MHz	36	19
Band 7	20.26	20825	2507.5	QPSK	15MHz	36	39
Band 7	20.32	20825	2507.5	QPSK	15MHz	75	0
Band 7	21.25	21100	2535	QPSK	15MHz	1	0
Band 7	21.12	21100	2535	QPSK	15MHz	1	37
Band 7	21.18	21100	2535	QPSK	15MHz	1	74
Band 7	20.2	21100	2535	QPSK	15MHz	36	0
Band 7	20.17	21100	2535	QPSK	15MHz	36	19

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 7	20.22	21100	2535	QPSK	15MHz	36	39
Band 7	20.17	21100	2535	QPSK	15MHz	75	0
Band 7	21.1	21375	2562.5	QPSK	15MHz	1	0
Band 7	21.24	21375	2562.5	QPSK	15MHz	1	37
Band 7	21.1	21375	2562.5	QPSK	15MHz	1	74
Band 7	20.33	21375	2562.5	QPSK	15MHz	36	0
Band 7	20.32	21375	2562.5	QPSK	15MHz	36	19
Band 7	20.36	21375	2562.5	QPSK	15MHz	36	39
Band 7	20.23	21375	2562.5	QPSK	15MHz	75	0
Band 7	20.82	20825	2507.5	16QAM	15MHz	1	0
Band 7	20.76	20825	2507.5	16QAM	15MHz	1	37
Band 7	20.5	20825	2507.5	16QAM	15MHz	1	74
Band 7	19.44	20825	2507.5	16QAM	15MHz	36	0
Band 7	19.47	20825	2507.5	16QAM	15MHz	36	19
Band 7	19.41	20825	2507.5	16QAM	15MHz	36	39
Band 7	19.49	20825	2507.5	16QAM	15MHz	75	0
Band 7	20.24	21100	2535	16QAM	15MHz	1	0
Band 7	19.98	21100	2535	16QAM	15MHz	1	37
Band 7	20.76	21100	2535	16QAM	15MHz	1	74
Band 7	19.22	21100	2535	16QAM	15MHz	36	0
Band 7	19.27	21100	2535	16QAM	15MHz	36	19
Band 7	19.31	21100	2535	16QAM	15MHz	36	39
Band 7	19.26	21100	2535	16QAM	15MHz	75	0
Band 7	20.85	21375	2562.5	16QAM	15MHz	1	0
Band 7	20.35	21375	2562.5	16QAM	15MHz	1	37
Band 7	20.25	21375	2562.5	16QAM	15MHz	1	74
Band 7	19.35	21375	2562.5	16QAM	15MHz	36	0
Band 7	19.42	21375	2562.5	16QAM	15MHz	36	19
Band 7	19.46	21375	2562.5	16QAM	15MHz	36	39
Band 7	19.44	21375	2562.5	16QAM	15MHz	75	0
Band 7	21.79	20850	2510	QPSK	20MHz	1	0
Band 7	21.16	20850	2510	QPSK	20MHz	1	49

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 7	21.27	20850	2510	QPSK	20MHz	1	99
Band 7	20.5	20850	2510	QPSK	20MHz	50	0
Band 7	20.28	20850	2510	QPSK	20MHz	50	25
Band 7	20.26	20850	2510	QPSK	20MHz	50	50
Band 7	20.39	20850	2510	QPSK	20MHz	100	0
Band 7	21.81	21100	2535	QPSK	20MHz	1	0
Band 7	21.12	21100	2535	QPSK	20MHz	1	49
Band 7	21.32	21100	2535	QPSK	20MHz	1	99
Band 7	20.52	21100	2535	QPSK	20MHz	50	0
Band 7	20.31	21100	2535	QPSK	20MHz	50	25
Band 7	20.27	21100	2535	QPSK	20MHz	50	50
Band 7	20.4	21100	2535	QPSK	20MHz	100	0
Band 7	21.68	21350	2560	QPSK	20MHz	1	0
Band 7	21.4	21350	2560	QPSK	20MHz	1	49
Band 7	21.26	21350	2560	QPSK	20MHz	1	99
Band 7	20.44	21350	2560	QPSK	20MHz	50	0
Band 7	20.19	21350	2560	QPSK	20MHz	50	25
Band 7	20.15	21350	2560	QPSK	20MHz	50	50
Band 7	20.39	21350	2560	QPSK	20MHz	100	0
Band 7	20.2	20850	2510	16QAM	20MHz	1	0
Band 7	20.26	20850	2510	16QAM	20MHz	1	49
Band 7	20.12	20850	2510	16QAM	20MHz	1	99
Band 7	19.5	20850	2510	16QAM	20MHz	50	0
Band 7	19.32	20850	2510	16QAM	20MHz	50	25
Band 7	19.37	20850	2510	16QAM	20MHz	50	50
Band 7	19.39	20850	2510	16QAM	20MHz	100	0
Band 7	20.27	21100	2535	16QAM	20MHz	1	0
Band 7	20.24	21100	2535	16QAM	20MHz	1	49
Band 7	20.27	21100	2535	16QAM	20MHz	1	99
Band 7	19.33	21100	2535	16QAM	20MHz	50	0
Band 7	19.37	21100	2535	16QAM	20MHz	50	25
Band 7	19.26	21100	2535	16QAM	20MHz	50	50

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 7	19.26	21100	2535	16QAM	20MHz	100	0
Band 7	19.15	21350	2560	16QAM	20MHz	1	0
Band 7	19.64	21350	2560	16QAM	20MHz	1	49
Band 7	20.22	21350	2560	16QAM	20MHz	1	99
Band 7	19.29	21350	2560	16QAM	20MHz	50	0
Band 7	19.29	21350	2560	16QAM	20MHz	50	25
Band 7	19.33	21350	2560	16QAM	20MHz	50	50
Band 7	19.37	21350	2560	16QAM	20MHz	100	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 12	22.71	23017	699.7	QPSK	1.4MHz	1	0
Band 12	22.66	23017	699.7	QPSK	1.4MHz	1	2
Band 12	22.65	23017	699.7	QPSK	1.4MHz	1	5
Band 12	22.82	23017	699.7	QPSK	1.4MHz	3	0
Band 12	22.89	23017	699.7	QPSK	1.4MHz	3	1
Band 12	22.88	23017	699.7	QPSK	1.4MHz	3	3
Band 12	21.7	23017	699.7	QPSK	1.4MHz	6	0
Band 12	22.63	23095	707.5	QPSK	1.4MHz	1	0
Band 12	22.71	23095	707.5	QPSK	1.4MHz	1	2
Band 12	22.67	23095	707.5	QPSK	1.4MHz	1	5
Band 12	22.86	23095	707.5	QPSK	1.4MHz	3	0
Band 12	22.85	23095	707.5	QPSK	1.4MHz	3	1
Band 12	22.75	23095	707.5	QPSK	1.4MHz	3	3
Band 12	21.71	23095	707.5	QPSK	1.4MHz	6	0
Band 12	22.51	23173	715.3	QPSK	1.4MHz	1	0
Band 12	22.67	23173	715.3	QPSK	1.4MHz	1	2
Band 12	22.47	23173	715.3	QPSK	1.4MHz	1	5
Band 12	22.75	23173	715.3	QPSK	1.4MHz	3	0
Band 12	22.65	23173	715.3	QPSK	1.4MHz	3	1
Band 12	22.66	23173	715.3	QPSK	1.4MHz	3	3
Band 12	21.62	23173	715.3	QPSK	1.4MHz	6	0
Band 12	21.67	23017	699.7	16QAM	1.4MHz	1	0
Band 12	21.83	23017	699.7	16QAM	1.4MHz	1	2
Band 12	22.14	23017	699.7	16QAM	1.4MHz	1	5
Band 12	21.65	23017	699.7	16QAM	1.4MHz	3	0
Band 12	21.68	23017	699.7	16QAM	1.4MHz	3	1
Band 12	21.68	23017	699.7	16QAM	1.4MHz	3	3
Band 12	20.76	23017	699.7	16QAM	1.4MHz	6	0
Band 12	22.02	23095	707.5	16QAM	1.4MHz	1	0
Band 12	22.34	23095	707.5	16QAM	1.4MHz	1	2
Band 12	22.25	23095	707.5	16QAM	1.4MHz	1	5
Band 12	21.79	23095	707.5	16QAM	1.4MHz	3	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 12	21.9	23095	707.5	16QAM	1.4MHz	3	1
Band 12	21.69	23095	707.5	16QAM	1.4MHz	3	3
Band 12	20.86	23095	707.5	16QAM	1.4MHz	6	0
Band 12	21.74	23173	715.3	16QAM	1.4MHz	1	0
Band 12	21.8	23173	715.3	16QAM	1.4MHz	1	2
Band 12	21.86	23173	715.3	16QAM	1.4MHz	1	5
Band 12	21.5	23173	715.3	16QAM	1.4MHz	3	0
Band 12	21.57	23173	715.3	16QAM	1.4MHz	3	1
Band 12	21.38	23173	715.3	16QAM	1.4MHz	3	3
Band 12	20.7	23173	715.3	16QAM	1.4MHz	6	0
Band 12	22.35	23025	700.5	QPSK	3MHz	1	0
Band 12	22.41	23025	700.5	QPSK	3MHz	1	7
Band 12	22.4	23025	700.5	QPSK	3MHz	1	14
Band 12	21.6	23025	700.5	QPSK	3MHz	8	0
Band 12	21.58	23025	700.5	QPSK	3MHz	8	3
Band 12	21.49	23025	700.5	QPSK	3MHz	8	7
Band 12	21.61	23025	700.5	QPSK	3MHz	15	0
Band 12	22.41	23095	707.5	QPSK	3MHz	1	0
Band 12	22.48	23095	707.5	QPSK	3MHz	1	7
Band 12	22.43	23095	707.5	QPSK	3MHz	1	14
Band 12	21.52	23095	707.5	QPSK	3MHz	8	0
Band 12	21.58	23095	707.5	QPSK	3MHz	8	3
Band 12	21.57	23095	707.5	QPSK	3MHz	8	7
Band 12	21.62	23095	707.5	QPSK	3MHz	15	0
Band 12	22.47	23165	714.5	QPSK	3MHz	1	0
Band 12	22.38	23165	714.5	QPSK	3MHz	1	7
Band 12	22.31	23165	714.5	QPSK	3MHz	1	14
Band 12	21.34	23165	714.5	QPSK	3MHz	8	0
Band 12	21.4	23165	714.5	QPSK	3MHz	8	3
Band 12	21.4	23165	714.5	QPSK	3MHz	8	7
Band 12	21.46	23165	714.5	QPSK	3MHz	15	0
Band 12	21.49	23025	700.5	16QAM	3MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 12	21.75	23025	700.5	16QAM	3MHz	1	7
Band 12	21.45	23025	700.5	16QAM	3MHz	1	14
Band 12	20.64	23025	700.5	16QAM	3MHz	8	0
Band 12	20.52	23025	700.5	16QAM	3MHz	8	3
Band 12	20.56	23025	700.5	16QAM	3MHz	8	7
Band 12	20.46	23025	700.5	16QAM	3MHz	15	0
Band 12	21.96	23095	707.5	16QAM	3MHz	1	0
Band 12	22.16	23095	707.5	16QAM	3MHz	1	7
Band 12	22.06	23095	707.5	16QAM	3MHz	1	14
Band 12	20.7	23095	707.5	16QAM	3MHz	8	0
Band 12	20.72	23095	707.5	16QAM	3MHz	8	3
Band 12	20.74	23095	707.5	16QAM	3MHz	8	7
Band 12	20.61	23095	707.5	16QAM	3MHz	15	0
Band 12	21.28	23165	714.5	16QAM	3MHz	1	0
Band 12	21.51	23165	714.5	16QAM	3MHz	1	7
Band 12	21.49	23165	714.5	16QAM	3MHz	1	14
Band 12	20.19	23165	714.5	16QAM	3MHz	8	0
Band 12	20.49	23165	714.5	16QAM	3MHz	8	3
Band 12	20.48	23165	714.5	16QAM	3MHz	8	7
Band 12	20.51	23165	714.5	16QAM	3MHz	15	0
Band 12	22.91	23035	701.5	QPSK	5MHz	1	0
Band 12	23.08	23035	701.5	QPSK	5MHz	1	12
Band 12	23.07	23035	701.5	QPSK	5MHz	1	24
Band 12	22.14	23035	701.5	QPSK	5MHz	12	0
Band 12	22.06	23035	701.5	QPSK	5MHz	12	6
Band 12	22.03	23035	701.5	QPSK	5MHz	12	13
Band 12	22.03	23035	701.5	QPSK	5MHz	25	0
Band 12	23.08	23095	707.5	QPSK	5MHz	1	0
Band 12	23.16	23095	707.5	QPSK	5MHz	1	12
Band 12	23.05	23095	707.5	QPSK	5MHz	1	24
Band 12	22.12	23095	707.5	QPSK	5MHz	12	0
Band 12	22.18	23095	707.5	QPSK	5MHz	12	6

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 12	22.15	23095	707.5	QPSK	5MHz	12	13
Band 12	22.24	23095	707.5	QPSK	5MHz	25	0
Band 12	22.85	23155	713.5	QPSK	5MHz	1	0
Band 12	23.01	23155	713.5	QPSK	5MHz	1	12
Band 12	23.17	23155	713.5	QPSK	5MHz	1	24
Band 12	21.95	23155	713.5	QPSK	5MHz	12	0
Band 12	21.95	23155	713.5	QPSK	5MHz	12	6
Band 12	21.93	23155	713.5	QPSK	5MHz	12	13
Band 12	21.93	23155	713.5	QPSK	5MHz	25	0
Band 12	22.21	23035	701.5	16QAM	5MHz	1	0
Band 12	22.22	23035	701.5	16QAM	5MHz	1	12
Band 12	22.35	23035	701.5	16QAM	5MHz	1	24
Band 12	21.2	23035	701.5	16QAM	5MHz	12	0
Band 12	21.1	23035	701.5	16QAM	5MHz	12	6
Band 12	21.13	23035	701.5	16QAM	5MHz	12	13
Band 12	21.19	23035	701.5	16QAM	5MHz	25	0
Band 12	21.96	23095	707.5	16QAM	5MHz	1	0
Band 12	22.42	23095	707.5	16QAM	5MHz	1	12
Band 12	22.48	23095	707.5	16QAM	5MHz	1	24
Band 12	21.26	23095	707.5	16QAM	5MHz	12	0
Band 12	21.29	23095	707.5	16QAM	5MHz	12	6
Band 12	21.26	23095	707.5	16QAM	5MHz	12	13
Band 12	21.31	23095	707.5	16QAM	5MHz	25	0
Band 12	22.03	23155	713.5	16QAM	5MHz	1	0
Band 12	21.95	23155	713.5	16QAM	5MHz	1	12
Band 12	21.92	23155	713.5	16QAM	5MHz	1	24
Band 12	21.07	23155	713.5	16QAM	5MHz	12	0
Band 12	20.99	23155	713.5	16QAM	5MHz	12	6
Band 12	21.08	23155	713.5	16QAM	5MHz	12	11
Band 12	21.01	23155	713.5	16QAM	5MHz	25	0
Band 12	23.13	23060	704	QPSK	10MHz	1	0
Band 12	22.92	23060	704	QPSK	10MHz	1	24

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 12	22.91	23060	704	QPSK	10MHz	1	49
Band 12	22.23	23060	704	QPSK	10MHz	25	0
Band 12	22.15	23060	704	QPSK	10MHz	25	12
Band 12	22.17	23060	704	QPSK	10MHz	25	25
Band 12	22.35	23060	704	QPSK	10MHz	50	0
Band 12	23.19	23095	707.5	QPSK	10MHz	1	0
Band 12	23.18	23095	707.5	QPSK	10MHz	1	24
Band 12	22.84	23095	707.5	QPSK	10MHz	1	49
Band 12	22.27	23095	707.5	QPSK	10MHz	25	0
Band 12	22.16	23095	707.5	QPSK	10MHz	25	12
Band 12	22.17	23095	707.5	QPSK	10MHz	25	25
Band 12	22.27	23095	707.5	QPSK	10MHz	50	0
Band 12	23.14	23130	711	QPSK	10MHz	1	0
Band 12	23.03	23130	711	QPSK	10MHz	1	24
Band 12	23.01	23130	711	QPSK	10MHz	1	49
Band 12	22.18	23130	711	QPSK	10MHz	25	0
Band 12	22.13	23130	711	QPSK	10MHz	25	12
Band 12	22.15	23130	711	QPSK	10MHz	25	25
Band 12	22.14	23130	711	QPSK	10MHz	50	0
Band 12	22.31	23060	704	16QAM	10MHz	1	0
Band 12	22.09	23060	704	16QAM	10MHz	1	24
Band 12	22.43	23060	704	16QAM	10MHz	1	49
Band 12	21.11	23060	704	16QAM	10MHz	25	0
Band 12	21.29	23060	704	16QAM	10MHz	25	12
Band 12	21.31	23060	704	16QAM	10MHz	25	25
Band 12	21.21	23060	704	16QAM	10MHz	50	0
Band 12	22.19	23095	707.5	16QAM	10MHz	1	0
Band 12	22.42	23095	707.5	16QAM	10MHz	1	24
Band 12	22.4	23095	707.5	16QAM	10MHz	1	49
Band 12	21.31	23095	707.5	16QAM	10MHz	25	0
Band 12	21.31	23095	707.5	16QAM	10MHz	25	12
Band 12	21.24	23095	707.5	16QAM	10MHz	25	25

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 12	21.29	23095	707.5	16QAM	10MHz	50	0
Band 12	22.5	23130	711	16QAM	10MHz	1	0
Band 12	22.15	23130	711	16QAM	10MHz	1	24
Band 12	22.16	23130	711	16QAM	10MHz	1	49
Band 12	21.11	23130	711	16QAM	10MHz	25	0
Band 12	21.23	23130	711	16QAM	10MHz	25	12
Band 12	21.11	23130	711	16QAM	10MHz	25	25
Band 12	21.19	23130	711	16QAM	10MHz	50	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 17	22.86	23755	706.5	QPSK	5MHz	1	0
Band 17	22.74	23755	706.5	QPSK	5MHz	1	12
Band 17	22.62	23755	706.5	QPSK	5MHz	1	24
Band 17	21.69	23755	706.5	QPSK	5MHz	12	0
Band 17	21.89	23755	706.5	QPSK	5MHz	12	6
Band 17	21.83	23755	706.5	QPSK	5MHz	12	13
Band 17	21.68	23755	706.5	QPSK	5MHz	25	0
Band 17	22.65	23790	710	QPSK	5MHz	1	0
Band 17	22.69	23790	710	QPSK	5MHz	1	12
Band 17	22.76	23790	710	QPSK	5MHz	1	24
Band 17	21.82	23790	710	QPSK	5MHz	12	0
Band 17	21.89	23790	710	QPSK	5MHz	12	6
Band 17	21.89	23790	710	QPSK	5MHz	12	13
Band 17	21.87	23790	710	QPSK	5MHz	25	0
Band 17	22.62	23825	713.5	QPSK	5MHz	1	0
Band 17	22.66	23825	713.5	QPSK	5MHz	1	12
Band 17	22.66	23825	713.5	QPSK	5MHz	1	24
Band 17	21.78	23825	713.5	QPSK	5MHz	12	0
Band 17	21.76	23825	713.5	QPSK	5MHz	12	6
Band 17	21.76	23825	713.5	QPSK	5MHz	12	13
Band 17	21.93	23825	713.5	QPSK	5MHz	25	0
Band 17	21.94	23755	706.5	16QAM	5MHz	1	0
Band 17	21.84	23755	706.5	16QAM	5MHz	1	12
Band 17	21.9	23755	706.5	16QAM	5MHz	1	24
Band 17	20.82	23755	706.5	16QAM	5MHz	12	0
Band 17	20.86	23755	706.5	16QAM	5MHz	12	6
Band 17	20.9	23755	706.5	16QAM	5MHz	12	13
Band 17	20.78	23755	706.5	16QAM	5MHz	25	0
Band 17	21.86	23790	710	16QAM	5MHz	1	0
Band 17	21.73	23790	710	16QAM	5MHz	1	12
Band 17	21.83	23790	710	16QAM	5MHz	1	24
Band 17	20.91	23790	710	16QAM	5MHz	12	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 17	20.95	23790	710	16QAM	5MHz	12	6
Band 17	20.99	23790	710	16QAM	5MHz	12	13
Band 17	20.79	23790	710	16QAM	5MHz	25	0
Band 17	21.83	23825	713.5	16QAM	5MHz	1	0
Band 17	21.73	23825	713.5	16QAM	5MHz	1	12
Band 17	21.76	23825	713.5	16QAM	5MHz	1	24
Band 17	20.88	23825	713.5	16QAM	5MHz	12	0
Band 17	20.89	23825	713.5	16QAM	5MHz	12	6
Band 17	20.77	23825	713.5	16QAM	5MHz	12	11
Band 17	20.86	23825	713.5	16QAM	5MHz	25	0
Band 17	22.76	23780	709	QPSK	10MHz	1	0
Band 17	22.73	23780	709	QPSK	10MHz	1	24
Band 17	22.7	23780	709	QPSK	10MHz	1	49
Band 17	21.65	23780	709	QPSK	10MHz	25	0
Band 17	21.91	23780	709	QPSK	10MHz	25	12
Band 17	21.88	23780	709	QPSK	10MHz	25	25
Band 17	21.89	23780	709	QPSK	10MHz	50	0
Band 17	22.89	23790	710	QPSK	10MHz	1	0
Band 17	22.88	23790	710	QPSK	10MHz	1	24
Band 17	22.88	23790	710	QPSK	10MHz	1	49
Band 17	21.92	23790	710	QPSK	10MHz	25	0
Band 17	21.87	23790	710	QPSK	10MHz	25	12
Band 17	21.93	23790	710	QPSK	10MHz	25	25
Band 17	21.83	23790	710	QPSK	10MHz	50	0
Band 17	22.86	23800	711	QPSK	10MHz	1	0
Band 17	22.84	23800	711	QPSK	10MHz	1	24
Band 17	22.82	23800	711	QPSK	10MHz	1	49
Band 17	21.83	23800	711	QPSK	10MHz	25	0
Band 17	21.88	23800	711	QPSK	10MHz	25	12
Band 17	21.89	23800	711	QPSK	10MHz	25	25
Band 17	21.86	23800	711	QPSK	10MHz	50	0
Band 17	21.65	23780	709	16QAM	10MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 17	21.9	23780	709	16QAM	10MHz	1	24
Band 17	21.91	23780	709	16QAM	10MHz	1	49
Band 17	20.86	23780	709	16QAM	10MHz	25	0
Band 17	20.93	23780	709	16QAM	10MHz	25	12
Band 17	20.93	23780	709	16QAM	10MHz	25	25
Band 17	20.93	23780	709	16QAM	10MHz	50	0
Band 17	21.74	23790	710	16QAM	10MHz	1	0
Band 17	21.92	23790	710	16QAM	10MHz	1	24
Band 17	21.78	23790	710	16QAM	10MHz	1	49
Band 17	20.82	23790	710	16QAM	10MHz	25	0
Band 17	20.9	23790	710	16QAM	10MHz	25	12
Band 17	20.84	23790	710	16QAM	10MHz	25	25
Band 17	20.88	23790	710	16QAM	10MHz	50	0
Band 17	21.82	23800	711	16QAM	10MHz	1	0
Band 17	21.95	23800	711	16QAM	10MHz	1	24
Band 17	21.47	23800	711	16QAM	10MHz	1	49
Band 17	20.89	23800	711	16QAM	10MHz	25	0
Band 17	20.85	23800	711	16QAM	10MHz	25	12
Band 17	20.86	23800	711	16QAM	10MHz	25	25
Band 17	20.9	23800	711	16QAM	10MHz	50	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 38	22.92	37775	2572.5	QPSK	5MHz	1	0
Band 38	22.93	37775	2572.5	QPSK	5MHz	1	12
Band 38	22.87	37775	2572.5	QPSK	5MHz	1	24
Band 38	22.04	37775	2572.5	QPSK	5MHz	12	0
Band 38	22.09	37775	2572.5	QPSK	5MHz	12	6
Band 38	22.05	37775	2572.5	QPSK	5MHz	12	13
Band 38	22.08	37775	2572.5	QPSK	5MHz	25	0
Band 38	22.75	38000	2595	QPSK	5MHz	1	0
Band 38	22.8	38000	2595	QPSK	5MHz	1	12
Band 38	22.78	38000	2595	QPSK	5MHz	1	24
Band 38	21.82	38000	2595	QPSK	5MHz	12	0
Band 38	21.83	38000	2595	QPSK	5MHz	12	6
Band 38	21.88	38000	2595	QPSK	5MHz	12	13
Band 38	21.77	38000	2595	QPSK	5MHz	25	0
Band 38	22.82	38225	2617.5	QPSK	5MHz	1	0
Band 38	22.88	38225	2617.5	QPSK	5MHz	1	12
Band 38	22.82	38225	2617.5	QPSK	5MHz	1	24
Band 38	22.1	38225	2617.5	QPSK	5MHz	12	0
Band 38	21.93	38225	2617.5	QPSK	5MHz	12	6
Band 38	22.09	38225	2617.5	QPSK	5MHz	12	13
Band 38	21.87	38225	2617.5	QPSK	5MHz	25	0
Band 38	22.06	37775	2572.5	16QAM	5MHz	1	0
Band 38	22.02	37775	2572.5	16QAM	5MHz	1	12
Band 38	22.15	37775	2572.5	16QAM	5MHz	1	24
Band 38	21.1	37775	2572.5	16QAM	5MHz	12	0
Band 38	21.07	37775	2572.5	16QAM	5MHz	12	6
Band 38	21.04	37775	2572.5	16QAM	5MHz	12	13
Band 38	21.17	37775	2572.5	16QAM	5MHz	25	0
Band 38	21.82	38000	2595	16QAM	5MHz	1	0
Band 38	21.89	38000	2595	16QAM	5MHz	1	12
Band 38	21.84	38000	2595	16QAM	5MHz	1	24
Band 38	20.84	38000	2595	16QAM	5MHz	12	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 38	20.95	38000	2595	16QAM	5MHz	12	6
Band 38	20.91	38000	2595	16QAM	5MHz	12	13
Band 38	20.86	38000	2595	16QAM	5MHz	25	0
Band 38	21.95	38225	2617.5	16QAM	5MHz	1	0
Band 38	21.89	38225	2617.5	16QAM	5MHz	1	12
Band 38	21.97	38225	2617.5	16QAM	5MHz	1	24
Band 38	20.92	38225	2617.5	16QAM	5MHz	12	0
Band 38	21.16	38225	2617.5	16QAM	5MHz	12	6
Band 38	21.13	38225	2617.5	16QAM	5MHz	12	11
Band 38	20.98	38225	2617.5	16QAM	5MHz	25	0
Band 38	22.91	37800	2575	QPSK	10MHz	1	0
Band 38	22.96	37800	2575	QPSK	10MHz	1	24
Band 38	22.97	37800	2575	QPSK	10MHz	1	49
Band 38	22.07	37800	2575	QPSK	10MHz	25	0
Band 38	22.07	37800	2575	QPSK	10MHz	25	12
Band 38	22.06	37800	2575	QPSK	10MHz	25	25
Band 38	22.01	37800	2575	QPSK	10MHz	50	0
Band 38	22.74	38000	2595	QPSK	10MHz	1	0
Band 38	22.69	38000	2595	QPSK	10MHz	1	24
Band 38	22.75	38000	2595	QPSK	10MHz	1	49
Band 38	21.7	38000	2595	QPSK	10MHz	25	0
Band 38	21.9	38000	2595	QPSK	10MHz	25	12
Band 38	21.8	38000	2595	QPSK	10MHz	25	25
Band 38	21.76	38000	2595	QPSK	10MHz	50	0
Band 38	22.87	38200	2615	QPSK	10MHz	1	0
Band 38	22.97	38200	2615	QPSK	10MHz	1	24
Band 38	22.94	38200	2615	QPSK	10MHz	1	49
Band 38	22.03	38200	2615	QPSK	10MHz	25	0
Band 38	21.99	38200	2615	QPSK	10MHz	25	12
Band 38	21.95	38200	2615	QPSK	10MHz	25	25
Band 38	22.06	38200	2615	QPSK	10MHz	50	0
Band 38	22.2	37800	2575	16QAM	10MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 38	22.17	37800	2575	16QAM	10MHz	1	24
Band 38	22.07	37800	2575	16QAM	10MHz	1	49
Band 38	21.23	37800	2575	16QAM	10MHz	25	0
Band 38	21.15	37800	2575	16QAM	10MHz	25	12
Band 38	21.16	37800	2575	16QAM	10MHz	25	25
Band 38	21.11	37800	2575	16QAM	10MHz	50	0
Band 38	21.87	38000	2595	16QAM	10MHz	1	0
Band 38	21.78	38000	2595	16QAM	10MHz	1	24
Band 38	21.91	38000	2595	16QAM	10MHz	1	49
Band 38	20.9	38000	2595	16QAM	10MHz	25	0
Band 38	20.99	38000	2595	16QAM	10MHz	25	12
Band 38	20.88	38000	2595	16QAM	10MHz	25	25
Band 38	20.85	38000	2595	16QAM	10MHz	50	0
Band 38	22.05	38200	2615	16QAM	10MHz	1	0
Band 38	21.9	38200	2615	16QAM	10MHz	1	24
Band 38	22.01	38200	2615	16QAM	10MHz	1	49
Band 38	21.01	38200	2615	16QAM	10MHz	25	0
Band 38	21.07	38200	2615	16QAM	10MHz	25	12
Band 38	21.12	38200	2615	16QAM	10MHz	25	25
Band 38	21.04	38200	2615	16QAM	10MHz	50	0
Band 38	22.85	37825	2577.5	QPSK	15MHz	1	0
Band 38	22.83	37825	2577.5	QPSK	15MHz	1	37
Band 38	22.87	37825	2577.5	QPSK	15MHz	1	74
Band 38	22.12	37825	2577.5	QPSK	15MHz	36	0
Band 38	21.97	37825	2577.5	QPSK	15MHz	36	19
Band 38	21.92	37825	2577.5	QPSK	15MHz	36	39
Band 38	21.97	37825	2577.5	QPSK	15MHz	75	0
Band 38	22.91	38000	2595	QPSK	15MHz	1	0
Band 38	22.73	38000	2595	QPSK	15MHz	1	37
Band 38	22.86	38000	2595	QPSK	15MHz	1	74
Band 38	21.78	38000	2595	QPSK	15MHz	36	0
Band 38	21.81	38000	2595	QPSK	15MHz	36	19

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 38	21.75	38000	2595	QPSK	15MHz	36	39
Band 38	21.83	38000	2595	QPSK	15MHz	75	0
Band 38	22.99	38175	2612.5	QPSK	15MHz	1	0
Band 38	22.81	38175	2612.5	QPSK	15MHz	1	37
Band 38	22.92	38175	2612.5	QPSK	15MHz	1	74
Band 38	22.03	38175	2612.5	QPSK	15MHz	36	0
Band 38	21.98	38175	2612.5	QPSK	15MHz	36	19
Band 38	22	38175	2612.5	QPSK	15MHz	36	39
Band 38	22.03	38175	2612.5	QPSK	15MHz	75	0
Band 38	22.18	37825	2577.5	16QAM	15MHz	1	0
Band 38	22.22	37825	2577.5	16QAM	15MHz	1	37
Band 38	22.04	37825	2577.5	16QAM	15MHz	1	74
Band 38	21.07	37825	2577.5	16QAM	15MHz	36	0
Band 38	20.99	37825	2577.5	16QAM	15MHz	36	19
Band 38	20.96	37825	2577.5	16QAM	15MHz	36	39
Band 38	21.02	37825	2577.5	16QAM	15MHz	75	0
Band 38	21.93	38000	2595	16QAM	15MHz	1	0
Band 38	21.81	38000	2595	16QAM	15MHz	1	37
Band 38	21.77	38000	2595	16QAM	15MHz	1	74
Band 38	20.8	38000	2595	16QAM	15MHz	36	0
Band 38	20.84	38000	2595	16QAM	15MHz	36	19
Band 38	20.87	38000	2595	16QAM	15MHz	36	39
Band 38	20.91	38000	2595	16QAM	15MHz	75	0
Band 38	22.04	38175	2612.5	16QAM	15MHz	1	0
Band 38	21.99	38175	2612.5	16QAM	15MHz	1	37
Band 38	22.09	38175	2612.5	16QAM	15MHz	1	74
Band 38	21.04	38175	2612.5	16QAM	15MHz	36	0
Band 38	20.99	38175	2612.5	16QAM	15MHz	36	19
Band 38	21.12	38175	2612.5	16QAM	15MHz	36	39
Band 38	21.1	38175	2612.5	16QAM	15MHz	75	0
Band 38	22.93	37850	2580	QPSK	20MHz	1	0
Band 38	22.86	37850	2580	QPSK	20MHz	1	49

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 38	22.9	37850	2580	QPSK	20MHz	1	99
Band 38	21.93	37850	2580	QPSK	20MHz	50	0
Band 38	21.92	37850	2580	QPSK	20MHz	50	25
Band 38	21.89	37850	2580	QPSK	20MHz	50	50
Band 38	22.04	37850	2580	QPSK	20MHz	100	0
Band 38	23	38000	2595	QPSK	20MHz	1	0
Band 38	22.65	38000	2595	QPSK	20MHz	1	49
Band 38	22.64	38000	2595	QPSK	20MHz	1	99
Band 38	21.97	38000	2595	QPSK	20MHz	50	0
Band 38	21.8	38000	2595	QPSK	20MHz	50	25
Band 38	21.85	38000	2595	QPSK	20MHz	50	50
Band 38	21.84	38000	2595	QPSK	20MHz	100	0
Band 38	22.84	38150	2610	QPSK	20MHz	1	0
Band 38	22.78	38150	2610	QPSK	20MHz	1	49
Band 38	22.79	38150	2610	QPSK	20MHz	1	99
Band 38	21.93	38150	2610	QPSK	20MHz	50	0
Band 38	21.88	38150	2610	QPSK	20MHz	50	25
Band 38	21.85	38150	2610	QPSK	20MHz	50	50
Band 38	21.88	38150	2610	QPSK	20MHz	100	0
Band 38	22.05	37850	2580	16QAM	20MHz	1	0
Band 38	22.05	37850	2580	16QAM	20MHz	1	49
Band 38	21.94	37850	2580	16QAM	20MHz	1	99
Band 38	21.23	37850	2580	16QAM	20MHz	50	0
Band 38	21.06	37850	2580	16QAM	20MHz	50	25
Band 38	21.03	37850	2580	16QAM	20MHz	50	50
Band 38	21.05	37850	2580	16QAM	20MHz	100	0
Band 38	22.05	38000	2595	16QAM	20MHz	1	0
Band 38	21.88	38000	2595	16QAM	20MHz	1	49
Band 38	21.8	38000	2595	16QAM	20MHz	1	99
Band 38	20.89	38000	2595	16QAM	20MHz	50	0
Band 38	20.98	38000	2595	16QAM	20MHz	50	25
Band 38	20.9	38000	2595	16QAM	20MHz	50	50

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 38	20.92	38000	2595	16QAM	20MHz	100	0
Band 38	21.84	38150	2610	16QAM	20MHz	1	0
Band 38	21.93	38150	2610	16QAM	20MHz	1	49
Band 38	21.97	38150	2610	16QAM	20MHz	1	99
Band 38	20.98	38150	2610	16QAM	20MHz	50	0
Band 38	21.14	38150	2610	16QAM	20MHz	50	25
Band 38	21.1	38150	2610	16QAM	20MHz	50	50
Band 38	20.95	38150	2610	16QAM	20MHz	100	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 41	23.35	40115	2542.5	QPSK	5MHz	1	0
Band 41	23.23	40115	2542.5	QPSK	5MHz	1	12
Band 41	23.24	40115	2542.5	QPSK	5MHz	1	24
Band 41	22.45	40115	2542.5	QPSK	5MHz	12	0
Band 41	22.49	40115	2542.5	QPSK	5MHz	12	6
Band 41	22.47	40115	2542.5	QPSK	5MHz	12	13
Band 41	22.4	40115	2542.5	QPSK	5MHz	25	0
Band 41	22.72	40640	2595	QPSK	5MHz	1	0
Band 41	22.8	40640	2595	QPSK	5MHz	1	12
Band 41	22.57	40640	2595	QPSK	5MHz	1	24
Band 41	21.73	40640	2595	QPSK	5MHz	12	0
Band 41	21.93	40640	2595	QPSK	5MHz	12	6
Band 41	21.79	40640	2595	QPSK	5MHz	12	13
Band 41	21.71	40640	2595	QPSK	5MHz	25	0
Band 41	22.64	41165	2647.5	QPSK	5MHz	1	0
Band 41	22.83	41165	2647.5	QPSK	5MHz	1	12
Band 41	22.71	41165	2647.5	QPSK	5MHz	1	24
Band 41	21.8	41165	2647.5	QPSK	5MHz	12	0
Band 41	21.89	41165	2647.5	QPSK	5MHz	12	6
Band 41	21.85	41165	2647.5	QPSK	5MHz	12	13
Band 41	21.81	41165	2647.5	QPSK	5MHz	25	0
Band 41	22.74	40115	2542.5	16QAM	5MHz	1	0
Band 41	22.72	40115	2542.5	16QAM	5MHz	1	12
Band 41	22.74	40115	2542.5	16QAM	5MHz	1	24
Band 41	21.52	40115	2542.5	16QAM	5MHz	12	0
Band 41	21.64	40115	2542.5	16QAM	5MHz	12	6
Band 41	21.51	40115	2542.5	16QAM	5MHz	12	13
Band 41	21.57	40115	2542.5	16QAM	5MHz	25	0
Band 41	22.03	40640	2595	16QAM	5MHz	1	0
Band 41	22.11	40640	2595	16QAM	5MHz	1	12
Band 41	22.03	40640	2595	16QAM	5MHz	1	24
Band 41	21.01	40640	2595	16QAM	5MHz	12	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 41	21.02	40640	2595	16QAM	5MHz	12	6
Band 41	20.9	40640	2595	16QAM	5MHz	12	13
Band 41	21.02	40640	2595	16QAM	5MHz	25	0
Band 41	22.25	41165	2647.5	16QAM	5MHz	1	0
Band 41	22.22	41165	2647.5	16QAM	5MHz	1	12
Band 41	22.23	41165	2647.5	16QAM	5MHz	1	24
Band 41	20.98	41165	2647.5	16QAM	5MHz	12	0
Band 41	21.09	41165	2647.5	16QAM	5MHz	12	6
Band 41	21.05	41165	2647.5	16QAM	5MHz	12	11
Band 41	21.13	41165	2647.5	16QAM	5MHz	25	0
Band 41	23.24	40140	2545	QPSK	10MHz	1	0
Band 41	22.86	40140	2545	QPSK	10MHz	1	24
Band 41	23.35	40140	2545	QPSK	10MHz	1	49
Band 41	22.4	40140	2545	QPSK	10MHz	25	0
Band 41	22.45	40140	2545	QPSK	10MHz	25	12
Band 41	22.37	40140	2545	QPSK	10MHz	25	25
Band 41	22.45	40140	2545	QPSK	10MHz	50	0
Band 41	22.73	40640	2595	QPSK	10MHz	1	0
Band 41	22.74	40640	2595	QPSK	10MHz	1	24
Band 41	22.6	40640	2595	QPSK	10MHz	1	49
Band 41	21.85	40640	2595	QPSK	10MHz	25	0
Band 41	21.86	40640	2595	QPSK	10MHz	25	12
Band 41	21.67	40640	2595	QPSK	10MHz	25	25
Band 41	21.82	40640	2595	QPSK	10MHz	50	0
Band 41	22.78	41140	2645	QPSK	10MHz	1	0
Band 41	22.74	41140	2645	QPSK	10MHz	1	24
Band 41	22.77	41140	2645	QPSK	10MHz	1	49
Band 41	21.96	41140	2645	QPSK	10MHz	25	0
Band 41	21.84	41140	2645	QPSK	10MHz	25	12
Band 41	21.87	41140	2645	QPSK	10MHz	25	25
Band 41	22.01	41140	2645	QPSK	10MHz	50	0
Band 41	22.77	40140	2545	16QAM	10MHz	1	0

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 41	22.82	40140	2545	16QAM	10MHz	1	24
Band 41	22.74	40140	2545	16QAM	10MHz	1	49
Band 41	21.56	40140	2545	16QAM	10MHz	25	0
Band 41	21.63	40140	2545	16QAM	10MHz	25	12
Band 41	21.66	40140	2545	16QAM	10MHz	25	25
Band 41	21.6	40140	2545	16QAM	10MHz	50	0
Band 41	22.06	40640	2595	16QAM	10MHz	1	0
Band 41	22.2	40640	2595	16QAM	10MHz	1	24
Band 41	21.95	40640	2595	16QAM	10MHz	1	49
Band 41	21.06	40640	2595	16QAM	10MHz	25	0
Band 41	21.02	40640	2595	16QAM	10MHz	25	12
Band 41	20.93	40640	2595	16QAM	10MHz	25	25
Band 41	20.97	40640	2595	16QAM	10MHz	50	0
Band 41	22.32	41140	2645	16QAM	10MHz	1	0
Band 41	22.14	41140	2645	16QAM	10MHz	1	24
Band 41	22.2	41140	2645	16QAM	10MHz	1	49
Band 41	21.07	41140	2645	16QAM	10MHz	25	0
Band 41	21.05	41140	2645	16QAM	10MHz	25	12
Band 41	21.2	41140	2645	16QAM	10MHz	25	25
Band 41	21.08	41140	2645	16QAM	10MHz	50	0
Band 41	23.39	40165	2547.5	QPSK	15MHz	1	0
Band 41	23.49	40165	2547.5	QPSK	15MHz	1	37
Band 41	23.53	40165	2547.5	QPSK	15MHz	1	74
Band 41	22.71	40165	2547.5	QPSK	15MHz	36	0
Band 41	22.62	40165	2547.5	QPSK	15MHz	36	19
Band 41	22.69	40165	2547.5	QPSK	15MHz	36	39
Band 41	22.61	40165	2547.5	QPSK	15MHz	75	0
Band 41	23.02	40640	2595	QPSK	15MHz	1	0
Band 41	22.9	40640	2595	QPSK	15MHz	1	37
Band 41	23.09	40640	2595	QPSK	15MHz	1	74
Band 41	22.13	40640	2595	QPSK	15MHz	36	0
Band 41	22.11	40640	2595	QPSK	15MHz	36	19

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 41	22.08	40640	2595	QPSK	15MHz	36	39
Band 41	22.18	40640	2595	QPSK	15MHz	75	0
Band 41	23.31	41115	2642.5	QPSK	15MHz	1	0
Band 41	23.08	41115	2642.5	QPSK	15MHz	1	37
Band 41	23.16	41115	2642.5	QPSK	15MHz	1	74
Band 41	22.3	41115	2642.5	QPSK	15MHz	36	0
Band 41	22.19	41115	2642.5	QPSK	15MHz	36	19
Band 41	22.3	41115	2642.5	QPSK	15MHz	36	39
Band 41	22.26	41115	2642.5	QPSK	15MHz	75	0
Band 41	23.02	40165	2547.5	16QAM	15MHz	1	0
Band 41	22.89	40165	2547.5	16QAM	15MHz	1	37
Band 41	22.96	40165	2547.5	16QAM	15MHz	1	74
Band 41	22.01	40165	2547.5	16QAM	15MHz	36	0
Band 41	21.94	40165	2547.5	16QAM	15MHz	36	19
Band 41	21.67	40165	2547.5	16QAM	15MHz	36	39
Band 41	21.74	40165	2547.5	16QAM	15MHz	75	0
Band 41	22.37	40640	2595	16QAM	15MHz	1	0
Band 41	22.3	40640	2595	16QAM	15MHz	1	37
Band 41	22.33	40640	2595	16QAM	15MHz	1	74
Band 41	21.38	40640	2595	16QAM	15MHz	36	0
Band 41	21.32	40640	2595	16QAM	15MHz	36	19
Band 41	21.2	40640	2595	16QAM	15MHz	36	39
Band 41	21.33	40640	2595	16QAM	15MHz	75	0
Band 41	22.3	41115	2642.5	16QAM	15MHz	1	0
Band 41	22.35	41115	2642.5	16QAM	15MHz	1	37
Band 41	22.32	41115	2642.5	16QAM	15MHz	1	74
Band 41	21.18	41115	2642.5	16QAM	15MHz	36	0
Band 41	21.27	41115	2642.5	16QAM	15MHz	36	19
Band 41	21.15	41115	2642.5	16QAM	15MHz	36	39
Band 41	21.29	41115	2642.5	16QAM	15MHz	75	0
Band 41	23.99	40190	2550	QPSK	20MHz	1	0
Band 41	23.38	40190	2550	QPSK	20MHz	1	49

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 41	23.35	40190	2550	QPSK	20MHz	1	99
Band 41	22.7	40190	2550	QPSK	20MHz	50	0
Band 41	22.69	40190	2550	QPSK	20MHz	50	25
Band 41	22.58	40190	2550	QPSK	20MHz	50	50
Band 41	22.54	40190	2550	QPSK	20MHz	100	0
Band 41	23.48	40640	2595	QPSK	20MHz	1	0
Band 41	23.09	40640	2595	QPSK	20MHz	1	49
Band 41	22.88	40640	2595	QPSK	20MHz	1	99
Band 41	22.07	40640	2595	QPSK	20MHz	50	0
Band 41	22.2	40640	2595	QPSK	20MHz	50	25
Band 41	22.09	40640	2595	QPSK	20MHz	50	50
Band 41	22.16	40640	2595	QPSK	20MHz	100	0
Band 41	23.33	41090	2640	QPSK	20MHz	1	0
Band 41	23.1	41090	2640	QPSK	20MHz	1	49
Band 41	23.03	41090	2640	QPSK	20MHz	1	99
Band 41	22.25	41090	2640	QPSK	20MHz	50	0
Band 41	22.3	41090	2640	QPSK	20MHz	50	25
Band 41	22.15	41090	2640	QPSK	20MHz	50	50
Band 41	22.11	41090	2640	QPSK	20MHz	100	0
Band 41	23.05	40190	2550	16QAM	20MHz	1	0
Band 41	23.1	40190	2550	16QAM	20MHz	1	49
Band 41	22.74	40190	2550	16QAM	20MHz	1	99
Band 41	21.8	40190	2550	16QAM	20MHz	50	0
Band 41	21.71	40190	2550	16QAM	20MHz	50	25
Band 41	21.74	40190	2550	16QAM	20MHz	50	50
Band 41	21.66	40190	2550	16QAM	20MHz	100	0
Band 41	22.39	40640	2595	16QAM	20MHz	1	0
Band 41	22.3	40640	2595	16QAM	20MHz	1	49
Band 41	22.07	40640	2595	16QAM	20MHz	1	99
Band 41	21.34	40640	2595	16QAM	20MHz	50	0
Band 41	21.27	40640	2595	16QAM	20MHz	50	25
Band 41	21.14	40640	2595	16QAM	20MHz	50	50

Band	Average Power (dBm)	EARFCN	Frequency (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band 41	21.35	40640	2595	16QAM	20MHz	100	0
Band 41	22.43	41090	2640	16QAM	20MHz	1	0
Band 41	22.55	41090	2640	16QAM	20MHz	1	49
Band 41	22.39	41090	2640	16QAM	20MHz	1	99
Band 41	21.36	41090	2640	16QAM	20MHz	50	0
Band 41	21.41	41090	2640	16QAM	20MHz	50	25
Band 41	21.38	41090	2640	16QAM	20MHz	50	50
Band 41	21.45	41090	2640	16QAM	20MHz	100	0

3.2. Effective Radiated Power / Equivalent Isotropic Radiated Power Test

LTE Band 2										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.I.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
1.4 MHz	QPSK	18900	1880	1	2	22.8	0.4	23.2	0.209	< 2
	16QAM	18900	1880	1	0	22.31	0.4	22.71	0.187	< 2
3 MHz	QPSK	18615	1851.5	1	7	22.86	0.4	23.26	0.212	< 2
	16QAM	18615	1851.5	1	7	22.37	0.4	22.77	0.189	< 2
5 MHz	QPSK	18900	1880	1	12	22.79	0.4	23.19	0.208	< 2
	16QAM	18900	1880	1	24	22.02	0.4	22.42	0.175	< 2
10 MHz	QPSK	18650	1855	1	0	22.84	0.4	23.24	0.211	< 2
	16QAM	18900	1880	1	0	22.53	0.4	22.93	0.196	< 2
15 MHz	QPSK	18900	1880	1	74	22.79	0.4	23.19	0.208	< 2
	16QAM	18675	1857.5	1	0	22.27	0.4	22.67	0.185	< 2
20 MHz	QPSK	18900	1880	1	0	22.96	0.4	23.36	0.217	< 2
	16QAM	18900	1880	1	99	22.31	0.4	22.71	0.187	< 2

LTE Band 4										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.I.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
1.4 MHz	QPSK	20175	1733	3	1	22.41	0.8	23.21	0.209	< 2
	16QAM	20175	1733	1	2	21.75	0.8	22.55	0.180	< 2
3 MHz	QPSK	20175	1732.5	1	7	22.4	0.8	23.2	0.209	< 2
	16QAM	20175	1732.5	1	7	21.83	0.8	22.63	0.183	< 2
5 MHz	QPSK	19975	1712.5	1	0	22.29	0.8	23.09	0.204	< 2
	16QAM	20375	1752.5	1	24	21.6	0.8	22.4	0.174	< 2
10 MHz	QPSK	20175	1732.5	1	0	22.39	0.8	23.19	0.208	< 2
	16QAM	20350	1750	1	24	21.77	0.8	22.57	0.181	< 2
15 MHz	QPSK	20175	1732.5	1	0	22.39	0.8	23.19	0.208	< 2
	16QAM	20325	1747.5	1	37	21.75	0.8	22.55	0.180	< 2
20 MHz	QPSK	20175	1732.5	1	0	22.43	0.8	23.23	0.210	< 2
	16QAM	20300	1745	1	0	21.91	0.8	22.71	0.187	< 2

LTE Band 5										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
1.4 MHz	QPSK	20407	825	3	1	22.94	-2.6	18.19	0.066	< 2
	16QAM	20407	825	1	0	21.99	-2.6	17.24	0.053	< 2
3 MHz	QPSK	20415	825.5	1	7	22.93	-2.6	18.18	0.066	< 2
	16QAM	20415	825.5	1	14	22	-2.6	17.25	0.053	< 2
5 MHz	QPSK	20425	826.5	1	0	22.94	-2.6	18.19	0.066	< 2
	16QAM	20525	836.5	1	12	21.94	-2.6	17.19	0.052	< 2
10 MHz	QPSK	20525	836.5	1	0	22.97	-2.6	18.22	0.066	< 2
	16QAM	20450	829	1	0	22	-2.6	17.25	0.053	< 2

LTE Band 7										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.I.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
5 MHz	QPSK	21425	2568	1	12	21.23	2.2	23.43	0.220	< 2
	16QAM	21425	2568	1	12	20.8	2.2	23	0.200	< 2
10 MHz	QPSK	20800	2505	1	49	21.28	2.2	23.48	0.223	< 2
	16QAM	21400	2565	1	49	20.43	2.2	22.63	0.183	< 2
15 MHz	QPSK	20825	2507.5	1	74	21.25	2.2	23.45	0.221	< 2
	16QAM	21375	2562.5	1	0	20.85	2.2	23.05	0.202	< 2
20 MHz	QPSK	21100	2535	1	0	21.81	2.2	24.01	0.252	< 2
	16QAM	21100	2535	1	0	20.27	2.2	22.47	0.177	< 2

LTE Band 12										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
1.4 MHz	QPSK	23017	700	3	1	22.89	-1.4	19.34	0.086	< 2
	16QAM	23095	708	1	2	22.34	-1.4	18.79	0.076	< 2
3 MHz	QPSK	23095	707.5	1	7	22.48	-1.4	18.93	0.078	< 2
	16QAM	23095	707.5	1	7	22.16	-1.4	18.61	0.073	< 2
5 MHz	QPSK	23155	713.5	1	24	23.17	-1.4	19.62	0.092	< 2
	16QAM	23095	707.5	1	24	22.48	-1.4	18.93	0.078	< 2
10 MHz	QPSK	23095	707.5	1	0	23.19	-1.4	19.64	0.092	< 2
	16QAM	23130	711	1	0	22.5	-1.4	18.95	0.079	< 2

LTE Band 17										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
5 MHz	QPSK	23755	707	1	0	22.86	-1.3	19.41	0.087	< 2
	16QAM	23755	707	1	0	21.94	-1.3	18.49	0.071	< 2
10 MHz	QPSK	23790	710	1	0	22.89	-1.3	19.44	0.088	< 2
	16QAM	23800	711	1	24	21.95	-1.3	18.5	0.071	< 2

LTE Band 38										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.I.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
5 MHz	QPSK	37775	2573	1	12	22.93	2.2	25.13	0.326	< 2
	16QAM	37775	2573	1	24	22.15	2.2	24.35	0.272	< 2
10 MHz	QPSK	37800	2575	1	49	22.97	2.2	25.17	0.329	< 2
	16QAM	37800	2575	1	0	22.2	2.2	24.4	0.275	< 2
15 MHz	QPSK	38175	2612.5	1	0	22.99	2.2	25.19	0.330	< 2
	16QAM	37825	2577.5	1	37	22.22	2.2	24.42	0.277	< 2
20 MHz	QPSK	38000	2595	1	0	23	2.2	25.2	0.331	< 2
	16QAM	37850	2580	1	0	22.05	2.2	24.25	0.266	< 2

LTE Band 41										
Channel Bandwidth	Modulation	CH	Frequency (MHz)	RB Configuration		Average Power (dBm)	Antenna Gain (dBi)	E.I.R.P.		Limit (W)
				Size	Offset			(dBm)	(W)	
5 MHz	QPSK	40115	2543	1	0	23.35	2.2	25.55	0.359	< 2
	16QAM	40115	2543	1	0	22.74	2.2	24.94	0.312	< 2
10 MHz	QPSK	40140	2545	1	49	23.35	2.2	25.55	0.359	< 2
	16QAM	40140	2545	1	24	22.82	2.2	25.02	0.318	< 2
15 MHz	QPSK	40165	2547.5	1	74	23.53	2.2	25.73	0.374	< 2
	16QAM	40165	2547.5	1	0	23.02	2.2	25.22	0.333	< 2
20 MHz	QPSK	40190	2550	1	0	23.99	2.2	26.19	0.416	< 2
	16QAM	40190	2550	1	49	23.1	2.2	25.3	0.339	< 2

3.3. Frequency Stability Test

LTE band2 Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-13.50	-0.007295	± 2.5	PASS
		VN	TN	-11.10	-0.005998	± 2.5	PASS
		VH	TN	-16.10	-0.008699	± 2.5	PASS
	MCH	VL	TN	-4.50	-0.002394	± 2.5	PASS
		VN	TN	-4.60	-0.002447	± 2.5	PASS
		VH	TN	6.00	0.003191	± 2.5	PASS
	HCH	VL	TN	-11.10	-0.005814	± 2.5	PASS
		VN	TN	-3.00	-0.001571	± 2.5	PASS
		VH	TN	-13.80	-0.007228	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-12.30	-0.006646	± 2.5	PASS
		VN	-20	-9.40	-0.005079	± 2.5	PASS
		VN	-10	-12.60	-0.006808	± 2.5	PASS
		VN	0	-10.10	-0.005457	± 2.5	PASS
		VN	10	-10.30	-0.005565	± 2.5	PASS
		VN	20	-7.70	-0.004161	± 2.5	PASS
		VN	30	-8.50	-0.004593	± 2.5	PASS
		VN	40	-9.80	-0.005295	± 2.5	PASS
		VN	50	-13.10	-0.007078	± 2.5	PASS
	MCH	VN	-30	-3.80	-0.002021	± 2.5	PASS
		VN	-20	-2.00	-0.001064	± 2.5	PASS
		VN	-10	-2.90	-0.001543	± 2.5	PASS
		VN	0	-6.80	-0.003617	± 2.5	PASS
		VN	10	2.30	0.001223	± 2.5	PASS
		VN	20	-6.20	-0.003298	± 2.5	PASS
		VN	30	3.20	0.001702	± 2.5	PASS
		VN	40	-7.40	-0.003936	± 2.5	PASS
		VN	50	-2.20	-0.001170	± 2.5	PASS
	HCH	VN	-30	-1.80	-0.000943	± 2.5	PASS
		VN	-20	-11.20	-0.005866	± 2.5	PASS
		VN	-10	-8.80	-0.004609	± 2.5	PASS
		VN	0	2.60	0.001362	± 2.5	PASS
		VN	10	1.80	0.000943	± 2.5	PASS
		VN	20	-10.20	-0.005342	± 2.5	PASS
		VN	30	3.80	0.001990	± 2.5	PASS
		VN	40	3.10	0.001624	± 2.5	PASS
		VN	50	-0.60	-0.000314	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-13.10	-0.007075	± 2.5	PASS
		VN	TN	-15.90	-0.008588	± 2.5	PASS
		VH	TN	-20.00	-0.010802	± 2.5	PASS
	MCH	VL	TN	0.10	0.000053	± 2.5	PASS
		VN	TN	-14.60	-0.007766	± 2.5	PASS
		VH	TN	-9.70	-0.005160	± 2.5	PASS
	HCH	VL	TN	-14.90	-0.007807	± 2.5	PASS
		VN	TN	2.90	0.001520	± 2.5	PASS
		VH	TN	-10.30	-0.005397	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-18.80	-0.010154	± 2.5	PASS
		VN	-20	-15.10	-0.008156	± 2.5	PASS
		VN	-10	-2.00	-0.001080	± 2.5	PASS
		VN	0	-7.40	-0.003997	± 2.5	PASS
		VN	10	-8.00	-0.004321	± 2.5	PASS
		VN	20	-12.60	-0.006805	± 2.5	PASS
		VN	30	-1.40	-0.000756	± 2.5	PASS
		VN	40	-13.40	-0.007237	± 2.5	PASS
		VN	50	-1.40	-0.000756	± 2.5	PASS
	MCH	VN	-30	5.00	0.002660	± 2.5	PASS
		VN	-20	-11.50	-0.006117	± 2.5	PASS
		VN	-10	-13.50	-0.007181	± 2.5	PASS
		VN	0	-11.60	-0.006170	± 2.5	PASS
		VN	10	2.30	0.001223	± 2.5	PASS
		VN	20	-6.40	-0.003404	± 2.5	PASS
		VN	30	-3.20	-0.001702	± 2.5	PASS
		VN	40	5.70	0.003032	± 2.5	PASS
		VN	50	-3.20	-0.001702	± 2.5	PASS
	HCH	VN	-30	-11.80	-0.006183	± 2.5	PASS
		VN	-20	-12.90	-0.006759	± 2.5	PASS
		VN	-10	-6.60	-0.003458	± 2.5	PASS
		VN	0	-9.80	-0.005135	± 2.5	PASS
		VN	10	-13.50	-0.007074	± 2.5	PASS
		VN	20	1.10	0.000576	± 2.5	PASS
		VN	30	-14.10	-0.007388	± 2.5	PASS
		VN	40	3.50	0.001834	± 2.5	PASS
		VN	50	-14.10	-0.007388	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-6.30	-0.003401	± 2.5	PASS
		VN	TN	-5.20	-0.002807	± 2.5	PASS
		VH	TN	-12.20	-0.006586	± 2.5	PASS
	MCH	VL	TN	-3.60	-0.001915	± 2.5	PASS
		VN	TN	-8.10	-0.004309	± 2.5	PASS
		VH	TN	-9.30	-0.004947	± 2.5	PASS
	HCH	VL	TN	-7.80	-0.004089	± 2.5	PASS
		VN	TN	8.00	0.004194	± 2.5	PASS
		VH	TN	4.10	0.002149	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	5.60	0.003023	± 2.5	PASS
		VN	-20	-13.90	-0.007503	± 2.5	PASS
		VN	-10	5.00	0.002699	± 2.5	PASS
		VN	0	-15.40	-0.008313	± 2.5	PASS
		VN	10	-9.00	-0.004858	± 2.5	PASS
		VN	20	-13.50	-0.007287	± 2.5	PASS
		VN	30	-20.90	-0.011282	± 2.5	PASS
		VN	40	-10.20	-0.005506	± 2.5	PASS
		VN	50	-11.70	-0.006316	± 2.5	PASS
	MCH	VN	-30	2.10	0.001117	± 2.5	PASS
		VN	-20	4.10	0.002181	± 2.5	PASS
		VN	-10	-10.30	-0.005479	± 2.5	PASS
		VN	0	3.10	0.001649	± 2.5	PASS
		VN	10	8.70	0.004628	± 2.5	PASS
		VN	20	-13.80	-0.007340	± 2.5	PASS
		VN	30	1.70	0.000904	± 2.5	PASS
		VN	40	-2.90	-0.001543	± 2.5	PASS
		VN	50	-1.80	-0.000957	± 2.5	PASS
	HCH	VN	-30	10.40	0.005452	± 2.5	PASS
		VN	-20	4.30	0.002254	± 2.5	PASS
		VN	-10	-10.10	-0.005295	± 2.5	PASS
		VN	0	9.00	0.004718	± 2.5	PASS
		VN	10	-11.10	-0.005819	± 2.5	PASS
		VN	20	-9.90	-0.005190	± 2.5	PASS
		VN	30	10.50	0.005505	± 2.5	PASS
		VN	40	7.00	0.003670	± 2.5	PASS
		VN	50	-7.90	-0.004142	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-8.60	-0.004636	± 2.5	PASS
		VN	TN	-9.90	-0.005337	± 2.5	PASS
		VH	TN	-12.20	-0.006577	± 2.5	PASS
	MCH	VL	TN	4.70	0.002500	± 2.5	PASS
		VN	TN	7.40	0.003936	± 2.5	PASS
		VH	TN	-11.30	-0.006011	± 2.5	PASS
	HCH	VL	TN	-13.80	-0.007244	± 2.5	PASS
		VN	TN	5.40	0.002835	± 2.5	PASS
		VH	TN	-0.10	-0.000052	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-13.20	-0.007116	± 2.5	PASS
		VN	-20	-9.70	-0.005229	± 2.5	PASS
		VN	-10	-12.00	-0.006469	± 2.5	PASS
		VN	0	-7.90	-0.004259	± 2.5	PASS
		VN	10	6.70	0.003612	± 2.5	PASS
		VN	20	-11.00	-0.005930	± 2.5	PASS
		VN	30	-1.80	-0.000970	± 2.5	PASS
		VN	40	3.90	0.002102	± 2.5	PASS
		VN	50	1.40	0.000755	± 2.5	PASS
	MCH	VN	-30	9.70	0.005160	± 2.5	PASS
		VN	-20	4.70	0.002500	± 2.5	PASS
		VN	-10	-6.10	-0.003245	± 2.5	PASS
		VN	0	7.00	0.003723	± 2.5	PASS
		VN	10	4.60	0.002447	± 2.5	PASS
		VN	20	-2.20	-0.001170	± 2.5	PASS
		VN	30	7.60	0.004043	± 2.5	PASS
		VN	40	-11.70	-0.006223	± 2.5	PASS
		VN	50	-10.70	-0.005691	± 2.5	PASS
	HCH	VN	-30	-0.40	-0.000210	± 2.5	PASS
		VN	-20	-3.10	-0.001627	± 2.5	PASS
		VN	-10	5.00	0.002625	± 2.5	PASS
		VN	0	6.60	0.003465	± 2.5	PASS
		VN	10	-3.20	-0.001680	± 2.5	PASS
		VN	20	0.00	0.000000	± 2.5	PASS
		VN	30	-2.40	-0.001260	± 2.5	PASS
		VN	40	-10.30	-0.005407	± 2.5	PASS
		VN	50	4.40	0.002310	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	7.40	0.003984	± 2.5	PASS
		VN	TN	-4.40	-0.002369	± 2.5	PASS
		VH	TN	9.40	0.005061	± 2.5	PASS
	MCH	VL	TN	-9.70	-0.005160	± 2.5	PASS
		VN	TN	-9.00	-0.004787	± 2.5	PASS
		VH	TN	-4.00	-0.002128	± 2.5	PASS
	HCH	VL	TN	-7.80	-0.004100	± 2.5	PASS
		VN	TN	-12.10	-0.006360	± 2.5	PASS
		VH	TN	8.70	0.004573	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-4.50	-0.002423	± 2.5	PASS
		VN	-20	-14.70	-0.007914	± 2.5	PASS
		VN	-10	-15.20	-0.008183	± 2.5	PASS
		VN	0	-0.90	-0.000485	± 2.5	PASS
		VN	10	2.90	0.001561	± 2.5	PASS
		VN	20	-5.20	-0.002799	± 2.5	PASS
		VN	30	-8.30	-0.004468	± 2.5	PASS
		VN	40	-0.60	-0.000323	± 2.5	PASS
		VN	50	-14.90	-0.008022	± 2.5	PASS
	MCH	VN	-30	-6.80	-0.003617	± 2.5	PASS
		VN	-20	-5.40	-0.002872	± 2.5	PASS
		VN	-10	-13.00	-0.006915	± 2.5	PASS
		VN	0	-12.80	-0.006809	± 2.5	PASS
		VN	10	1.30	0.000691	± 2.5	PASS
		VN	20	2.10	0.001117	± 2.5	PASS
		VN	30	7.20	0.003830	± 2.5	PASS
		VN	40	1.90	0.001011	± 2.5	PASS
		VN	50	-2.30	-0.001223	± 2.5	PASS
	HCH	VN	-30	-7.00	-0.003679	± 2.5	PASS
		VN	-20	1.30	0.000683	± 2.5	PASS
		VN	-10	0.70	0.000368	± 2.5	PASS
		VN	0	-6.30	-0.003311	± 2.5	PASS
		VN	10	7.50	0.003942	± 2.5	PASS
		VN	20	-13.80	-0.007254	± 2.5	PASS
		VN	30	0.00	0.000000	± 2.5	PASS
		VN	40	-4.90	-0.002576	± 2.5	PASS
		VN	50	8.70	0.004573	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-12.40	-0.006667	± 2.5	PASS
		VN	TN	-1.50	-0.000806	± 2.5	PASS
		VH	TN	5.20	0.002796	± 2.5	PASS
	MCH	VL	TN	-6.60	-0.003511	± 2.5	PASS
		VN	TN	-4.00	-0.002128	± 2.5	PASS
		VH	TN	6.00	0.003191	± 2.5	PASS
	HCH	VL	TN	-0.80	-0.000421	± 2.5	PASS
		VN	TN	-8.40	-0.004421	± 2.5	PASS
		VH	TN	-8.60	-0.004526	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.50	-0.000806	± 2.5	PASS
		VN	-20	3.10	0.001667	± 2.5	PASS
		VN	-10	-11.70	-0.006290	± 2.5	PASS
		VN	0	-7.00	-0.003763	± 2.5	PASS
		VN	10	-9.80	-0.005269	± 2.5	PASS
		VN	20	5.90	0.003172	± 2.5	PASS
		VN	30	6.10	0.003280	± 2.5	PASS
		VN	40	-7.90	-0.004247	± 2.5	PASS
		VN	50	5.00	0.002688	± 2.5	PASS
	MCH	VN	-30	7.40	0.003936	± 2.5	PASS
		VN	-20	0.70	0.000372	± 2.5	PASS
		VN	-10	3.50	0.001862	± 2.5	PASS
		VN	0	2.60	0.001383	± 2.5	PASS
		VN	10	3.00	0.001596	± 2.5	PASS
		VN	20	-3.40	-0.001809	± 2.5	PASS
		VN	30	-4.50	-0.002394	± 2.5	PASS
		VN	40	-2.20	-0.001170	± 2.5	PASS
		VN	50	-0.90	-0.000479	± 2.5	PASS
	HCH	VN	-30	-5.20	-0.002737	± 2.5	PASS
		VN	-20	1.90	0.001000	± 2.5	PASS
		VN	-10	9.90	0.005211	± 2.5	PASS
		VN	0	-9.30	-0.004895	± 2.5	PASS
		VN	10	-14.30	-0.007526	± 2.5	PASS
		VN	20	-2.80	-0.001474	± 2.5	PASS
		VN	30	10.70	0.005632	± 2.5	PASS
		VN	40	-9.40	-0.004947	± 2.5	PASS
		VN	50	13.30	0.007000	± 2.5	PASS

LTE band4 Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.00	-0.000585	± 2.5	PASS
		VN	TN	-4.60	-0.002689	± 2.5	PASS
		VH	TN	-8.60	-0.005027	± 2.5	PASS
	MCH	VL	TN	-6.10	-0.003521	± 2.5	PASS
		VN	TN	-7.30	-0.004214	± 2.5	PASS
		VH	TN	-3.50	-0.002020	± 2.5	PASS
	HCH	VL	TN	0.80	0.000456	± 2.5	PASS
		VN	TN	-7.90	-0.004503	± 2.5	PASS
		VH	TN	-8.60	-0.004902	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-8.10	-0.004735	± 2.5	PASS
		VN	-20	-18.40	-0.010756	± 2.5	PASS
		VN	-10	6.20	0.003624	± 2.5	PASS
		VN	0	-11.50	-0.006722	± 2.5	PASS
		VN	10	-11.50	-0.006722	± 2.5	PASS
		VN	20	-9.40	-0.005495	± 2.5	PASS
		VN	30	-5.70	-0.003332	± 2.5	PASS
		VN	40	-10.10	-0.005904	± 2.5	PASS
		VN	50	-0.40	-0.000234	± 2.5	PASS
	MCH	VN	-30	-2.80	-0.001616	± 2.5	PASS
		VN	-20	9.40	0.005426	± 2.5	PASS
		VN	-10	1.00	0.000577	± 2.5	PASS
		VN	0	2.20	0.001270	± 2.5	PASS
		VN	10	5.40	0.003117	± 2.5	PASS
		VN	20	5.90	0.003405	± 2.5	PASS
		VN	30	-9.60	-0.005541	± 2.5	PASS
		VN	40	0.50	0.000289	± 2.5	PASS
		VN	50	-8.30	-0.004791	± 2.5	PASS
	HCH	VN	-30	2.60	0.001482	± 2.5	PASS
		VN	-20	-10.10	-0.005757	± 2.5	PASS
		VN	-10	-11.60	-0.006612	± 2.5	PASS
		VN	0	-10.20	-0.005814	± 2.5	PASS
		VN	10	-11.60	-0.006612	± 2.5	PASS
		VN	20	-6.90	-0.003933	± 2.5	PASS
		VN	30	-10.70	-0.006099	± 2.5	PASS
		VN	40	-10.60	-0.006042	± 2.5	PASS
		VN	50	4.60	0.002622	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.90	0.001110	± 2.5	PASS
		VN	TN	-8.80	-0.005142	± 2.5	PASS
		VH	TN	-11.30	-0.006602	± 2.5	PASS
	MCH	VL	TN	-4.90	-0.002828	± 2.5	PASS
		VN	TN	-8.00	-0.004618	± 2.5	PASS
		VH	TN	0.60	0.000346	± 2.5	PASS
	HCH	VL	TN	7.00	0.003992	± 2.5	PASS
		VN	TN	-9.40	-0.005361	± 2.5	PASS
		VH	TN	1.80	0.001027	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-12.40	-0.007245	± 2.5	PASS
		VN	-20	-6.60	-0.003856	± 2.5	PASS
		VN	-10	6.10	0.003564	± 2.5	PASS
		VN	0	4.40	0.002571	± 2.5	PASS
		VN	10	-8.00	-0.004674	± 2.5	PASS
		VN	20	0.60	0.000351	± 2.5	PASS
		VN	30	2.00	0.001169	± 2.5	PASS
		VN	40	1.40	0.000818	± 2.5	PASS
		VN	50	2.00	0.001169	± 2.5	PASS
	MCH	VN	-30	-7.90	-0.004560	± 2.5	PASS
		VN	-20	-5.90	-0.003405	± 2.5	PASS
		VN	-10	8.30	0.004791	± 2.5	PASS
		VN	0	-8.70	-0.005022	± 2.5	PASS
		VN	10	6.10	0.003521	± 2.5	PASS
		VN	20	-1.90	-0.001097	± 2.5	PASS
		VN	30	-7.10	-0.004098	± 2.5	PASS
		VN	40	1.70	0.000981	± 2.5	PASS
		VN	50	-7.10	-0.004098	± 2.5	PASS
	HCH	VN	-30	-3.90	-0.002224	± 2.5	PASS
		VN	-20	-7.30	-0.004163	± 2.5	PASS
		VN	-10	-7.00	-0.003992	± 2.5	PASS
		VN	0	-8.50	-0.004847	± 2.5	PASS
		VN	10	-11.80	-0.006729	± 2.5	PASS
		VN	20	-10.50	-0.005988	± 2.5	PASS
		VN	30	2.50	0.001426	± 2.5	PASS
		VN	40	1.50	0.000855	± 2.5	PASS
		VN	50	2.50	0.001426	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.30	-0.000175	± 2.5	PASS
		VN	TN	-6.80	-0.003971	± 2.5	PASS
		VH	TN	-6.00	-0.003504	± 2.5	PASS
	MCH	VL	TN	-11.30	-0.006522	± 2.5	PASS
		VN	TN	5.00	0.002886	± 2.5	PASS
		VH	TN	-16.50	-0.009524	± 2.5	PASS
	HCH	VL	TN	7.70	0.004394	± 2.5	PASS
		VN	TN	5.20	0.002967	± 2.5	PASS
		VH	TN	7.50	0.004280	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-4.90	-0.002861	± 2.5	PASS
		VN	-20	-7.50	-0.004380	± 2.5	PASS
		VN	-10	6.90	0.004029	± 2.5	PASS
		VN	0	-9.20	-0.005372	± 2.5	PASS
		VN	10	-4.30	-0.002511	± 2.5	PASS
		VN	20	2.30	0.001343	± 2.5	PASS
		VN	30	3.90	0.002277	± 2.5	PASS
		VN	40	7.90	0.004613	± 2.5	PASS
		VN	50	-3.50	-0.002044	± 2.5	PASS
	MCH	VN	-30	-0.80	-0.000462	± 2.5	PASS
		VN	-20	-3.70	-0.002136	± 2.5	PASS
		VN	-10	2.10	0.001212	± 2.5	PASS
		VN	0	-9.40	-0.005426	± 2.5	PASS
		VN	10	-4.40	-0.002540	± 2.5	PASS
		VN	20	-7.10	-0.004098	± 2.5	PASS
		VN	30	-7.60	-0.004387	± 2.5	PASS
		VN	40	-11.70	-0.006753	± 2.5	PASS
		VN	50	-13.10	-0.007561	± 2.5	PASS
	HCH	VN	-30	8.30	0.004736	± 2.5	PASS
		VN	-20	11.00	0.006277	± 2.5	PASS
		VN	-10	7.80	0.004451	± 2.5	PASS
		VN	0	-5.30	-0.003024	± 2.5	PASS
		VN	10	8.00	0.004565	± 2.5	PASS
		VN	20	5.20	0.002967	± 2.5	PASS
		VN	30	0.60	0.000342	± 2.5	PASS
		VN	40	4.30	0.002454	± 2.5	PASS
		VN	50	8.70	0.004964	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-2.90	-0.001691	± 2.5	PASS
		VN	TN	-3.00	-0.001749	± 2.5	PASS
		VH	TN	-9.50	-0.005539	± 2.5	PASS
	MCH	VL	TN	6.60	0.003810	± 2.5	PASS
		VN	TN	6.10	0.003521	± 2.5	PASS
		VH	TN	3.60	0.002078	± 2.5	PASS
	HCH	VL	TN	-4.40	-0.002514	± 2.5	PASS
		VN	TN	-6.70	-0.003829	± 2.5	PASS
		VH	TN	8.40	0.004800	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.70	0.000991	± 2.5	PASS
		VN	-20	4.00	0.002332	± 2.5	PASS
		VN	-10	2.90	0.001691	± 2.5	PASS
		VN	0	8.90	0.005190	± 2.5	PASS
		VN	10	-4.70	-0.002741	± 2.5	PASS
		VN	20	5.40	0.003149	± 2.5	PASS
		VN	30	-8.70	-0.005073	± 2.5	PASS
		VN	40	4.50	0.002624	± 2.5	PASS
		VN	50	-3.90	-0.002274	± 2.5	PASS
	MCH	VN	-30	6.30	0.003636	± 2.5	PASS
		VN	-20	-9.50	-0.005483	± 2.5	PASS
		VN	-10	2.50	0.001443	± 2.5	PASS
		VN	0	-9.10	-0.005253	± 2.5	PASS
		VN	10	-4.90	-0.002828	± 2.5	PASS
		VN	20	5.60	0.003232	± 2.5	PASS
		VN	30	-10.60	-0.006118	± 2.5	PASS
		VN	40	3.20	0.001847	± 2.5	PASS
		VN	50	2.60	0.001501	± 2.5	PASS
	HCH	VN	-30	6.90	0.003943	± 2.5	PASS
		VN	-20	-6.60	-0.003771	± 2.5	PASS
		VN	-10	8.00	0.004571	± 2.5	PASS
		VN	0	-5.20	-0.002971	± 2.5	PASS
		VN	10	4.60	0.002629	± 2.5	PASS
		VN	20	7.70	0.004400	± 2.5	PASS
		VN	30	-2.50	-0.001429	± 2.5	PASS
		VN	40	-1.60	-0.000914	± 2.5	PASS
		VN	50	-6.90	-0.003943	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-6.20	-0.003610	± 2.5	PASS
		VN	TN	1.40	0.000815	± 2.5	PASS
		VH	TN	2.10	0.001223	± 2.5	PASS
	MCH	VL	TN	-3.90	-0.002251	± 2.5	PASS
		VN	TN	2.60	0.001501	± 2.5	PASS
		VH	TN	-7.80	-0.004502	± 2.5	PASS
	HCH	VL	TN	1.50	0.000858	± 2.5	PASS
		VN	TN	-4.80	-0.002747	± 2.5	PASS
		VH	TN	-1.20	-0.000687	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.10	0.001223	± 2.5	PASS
		VN	-20	-6.70	-0.003901	± 2.5	PASS
		VN	-10	-4.80	-0.002795	± 2.5	PASS
		VN	0	6.40	0.003726	± 2.5	PASS
		VN	10	-6.00	-0.003493	± 2.5	PASS
		VN	20	2.30	0.001339	± 2.5	PASS
		VN	30	-3.90	-0.002271	± 2.5	PASS
		VN	40	6.30	0.003668	± 2.5	PASS
		VN	50	-3.70	-0.002154	± 2.5	PASS
	MCH	VN	-30	-1.30	-0.000750	± 2.5	PASS
		VN	-20	4.70	0.002713	± 2.5	PASS
		VN	-10	-4.30	-0.002482	± 2.5	PASS
		VN	0	-1.00	-0.000577	± 2.5	PASS
		VN	10	-9.20	-0.005310	± 2.5	PASS
		VN	20	-11.80	-0.006811	± 2.5	PASS
		VN	30	-5.80	-0.003348	± 2.5	PASS
		VN	40	7.30	0.004214	± 2.5	PASS
		VN	50	6.60	0.003810	± 2.5	PASS
	HCH	VN	-30	-9.80	-0.005608	± 2.5	PASS
		VN	-20	-1.50	-0.000858	± 2.5	PASS
		VN	-10	-0.50	-0.000286	± 2.5	PASS
		VN	0	-0.80	-0.000458	± 2.5	PASS
		VN	10	-1.20	-0.000687	± 2.5	PASS
		VN	20	-4.80	-0.002747	± 2.5	PASS
		VN	30	3.80	0.002175	± 2.5	PASS
		VN	40	-0.10	-0.000057	± 2.5	PASS
		VN	50	-5.80	-0.003319	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.70	-0.000407	± 2.5	PASS
		VN	TN	1.70	0.000988	± 2.5	PASS
		VH	TN	-10.10	-0.005872	± 2.5	PASS
	MCH	VL	TN	-0.40	-0.000231	± 2.5	PASS
		VN	TN	4.20	0.002424	± 2.5	PASS
		VH	TN	-8.80	-0.005079	± 2.5	PASS
	HCH	VL	TN	7.40	0.004241	± 2.5	PASS
		VN	TN	4.00	0.002292	± 2.5	PASS
		VH	TN	3.80	0.002178	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-5.50	-0.003198	± 2.5	PASS
		VN	-20	2.80	0.001628	± 2.5	PASS
		VN	-10	5.90	0.003430	± 2.5	PASS
		VN	0	4.20	0.002442	± 2.5	PASS
		VN	10	-7.50	-0.004360	± 2.5	PASS
		VN	20	-7.30	-0.004244	± 2.5	PASS
		VN	30	-3.30	-0.001919	± 2.5	PASS
		VN	40	-5.20	-0.003023	± 2.5	PASS
		VN	50	-6.00	-0.003488	± 2.5	PASS
	MCH	VN	-30	3.90	0.002251	± 2.5	PASS
		VN	-20	-7.70	-0.004444	± 2.5	PASS
		VN	-10	-1.40	-0.000808	± 2.5	PASS
		VN	0	-7.10	-0.004098	± 2.5	PASS
		VN	10	-5.20	-0.003001	± 2.5	PASS
		VN	20	-5.70	-0.003290	± 2.5	PASS
		VN	30	4.30	0.002482	± 2.5	PASS
		VN	40	0.60	0.000346	± 2.5	PASS
		VN	50	1.40	0.000808	± 2.5	PASS
	HCH	VN	-30	-2.10	-0.001203	± 2.5	PASS
		VN	-20	2.90	0.001662	± 2.5	PASS
		VN	-10	1.10	0.000630	± 2.5	PASS
		VN	0	6.40	0.003668	± 2.5	PASS
		VN	10	-1.70	-0.000974	± 2.5	PASS
		VN	20	4.10	0.002350	± 2.5	PASS
		VN	30	4.70	0.002693	± 2.5	PASS
		VN	40	-9.40	-0.005387	± 2.5	PASS
		VN	50	-8.20	-0.004699	± 2.5	PASS