

RF Test Report

Applicant : Getac Technology Corporation
Product Type : Wireless Module
Trade Name : Getac
Model Number : EM7455
Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27
ANSI C63.26
Receive Date : Mar. 06, 2019
Test Period : Mar. 15 ~ Mar. 26, 2019
Issue Date : May 07, 2019

Issue by

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Taiwan Accreditation Foundation accreditation number: 1330

Test Firm MRA designation number: TW0010

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Apr. 15, 2019	Initial Issue	Nina Lin
01	May 07, 2019	Page 5 Revised Class II Permissive Change description Page 31 Revised Test Procedure description	Nina Lin

Verification of Compliance

Issued Date: May 07, 2019

Applicant : Getac Technology Corporation

Product Type : Wireless Module

Trade Name : Getac

Model Number : EM7455

FCC ID : QYLEM7455U

EUT Rated Voltage : DC 3.7 V

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

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
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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	:	<u>Fly Lu</u>	Reviewed By	:	<u>Eric Ou Yang</u>
(Manager)		(Fly Lu)	(Testing Engineer)		(Eric Ou Yang)

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1 General Information

1.1. EUT Description

Applicant	Getac Technology Corporation 5F., Building A, No.209, Sec.1, Nangang Rd., Nangang Dist., Taipei City, 11568, Taiwan		
Manufacturer	Sierra Wireless Inc. 13811 Wireless Way, Richmond, BC, V6V 3A4, Canada		
Product Type	Wireless Module		
Trade Name	Getac		
Model Number	EM7455		
FCC ID	QYLEM7455U		
Class II Permissive Change	This is to request a Class II permissive change for FCC ID:QYLEM7455U , originally granted on 2019/4/9 The major change filed under this application is: Change #1: Additional Chassis added, Getac, model number: UX10 #2: Addition one antenna, the antenna type is same, the antenna gain is low than the original application. #3: Disable LTE band 30 by software.		
Host Information	Product Type: Tablet Trade Name: Getac Model Name: UX10		
IMEI No.	353431080191380		
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 13	UL: 777 ~ 787	QPSK, 16QAM	5 MHz, 10 MHz
	DL: 746 ~ 756	QPSK, 16QAM	
LTE Band 25	UL: 1850 ~ 1915	QPSK, 16QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 1930 ~ 1995	QPSK, 16QAM	
LTE Band 26(Part 22)	UL: 824 ~ 849	QPSK, 16QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	DL: 869 ~ 894	QPSK, 16QAM	
LTE Band 41	UL/DL: 2496 ~ 2690	QPSK, 16QAM	5 MHz, 10 MHz, 15 MHz, 20 MHz



Type of Antenna	FPC Antenna		
Antenna Gain	Main	LTE Band 2	3.01 dBi
		LTE Band 4	2.90 dBi
		LTE Band 5	0.47 dBi
		LTE Band 7	2.32 dBi
		LTE Band 12	-0.21 dBi
		LTE Band 13	1.06 dBi
		LTE Band 25	3.01 dBi
		LTE Band 26	0.49 dBi
		LTE Band 41	3 dBi
	AUX	LTE Band 2	3.23 dBi
		LTE Band 4	0.95 dBi
		LTE Band 5	0.30 dBi
		LTE Band 7	4.02 dBi
		LTE Band 12	-0.95 dBi
		LTE Band 13	-1.38 dBi
		LTE Band 25	3.23 dBi
		LTE Band 26	0.30 dBi
		LTE Band 41	4.02 dBi
Operate Temp. Range	-40 ~ 85 °C		



Band	Channel Bandwidth	Modulation	Max. RF Output Power	E.R.P. /E.I.R.P.
			(W)	(W)
LTE Band2	1.4 MHz	QPSK	0.226	---
LTE Band2	1.4 MHz	16QAM	0.182	---
LTE Band2	3 MHz	QPSK	0.231	---
LTE Band2	3 MHz	16QAM	0.188	---
LTE Band2	5 MHz	QPSK	0.230	---
LTE Band2	5 MHz	16QAM	0.190	---
LTE Band2	10 MHz	QPSK	0.228	---
LTE Band2	10 MHz	16QAM	0.189	---
LTE Band2	15 MHz	QPSK	0.230	---
LTE Band2	15 MHz	16QAM	0.189	---
LTE Band2	20 MHz	QPSK	0.226	---
LTE Band2	20 MHz	16QAM	0.184	---
LTE Band4	1.4 MHz	QPSK	0.226	---
LTE Band4	1.4 MHz	16QAM	0.178	---
LTE Band4	3 MHz	QPSK	0.226	---
LTE Band4	3 MHz	16QAM	0.178	---
LTE Band4	5 MHz	QPSK	0.231	---
LTE Band4	5 MHz	16QAM	0.179	---
LTE Band4	10 MHz	QPSK	0.233	0.225
LTE Band4	10 MHz	16QAM	0.183	---
LTE Band4	15 MHz	QPSK	0.229	---
LTE Band4	15 MHz	16QAM	0.177	---
LTE Band4	20 MHz	QPSK	0.226	---
LTE Band4	20 MHz	16QAM	0.176	---
LTE Band5	1.4 MHz	QPSK	0.222	---
LTE Band5	1.4 MHz	16QAM	0.186	---
LTE Band5	3 MHz	QPSK	0.221	---
LTE Band5	3 MHz	16QAM	0.181	---
LTE Band5	5 MHz	QPSK	0.231	---
LTE Band5	5 MHz	16QAM	0.195	---
LTE Band5	10 MHz	QPSK	0.227	---
LTE Band5	10 MHz	16QAM	0.187	---



Band	Channel Bandwidth	Modulation	Max. RF Output Power	E.R.P. /E.I.R.P.
			(W)	(W)
LTE Band7	5 MHz	QPSK	0.185	---
LTE Band7	5 MHz	16QAM	0.158	---
LTE Band7	10 MHz	QPSK	0.187	---
LTE Band7	10 MHz	16QAM	0.164	---
LTE Band7	15 MHz	QPSK	0.187	---
LTE Band7	15 MHz	16QAM	0.166	---
LTE Band7	20 MHz	QPSK	0.189	---
LTE Band7	20 MHz	16QAM	0.163	---
LTE Band12	1.4 MHz	QPSK	0.227	---
LTE Band12	1.4 MHz	16QAM	0.182	---
LTE Band12	3 MHz	QPSK	0.228	---
LTE Band12	3 MHz	16QAM	0.182	---
LTE Band12	5 MHz	QPSK	0.226	---
LTE Band12	5 MHz	16QAM	0.177	---
LTE Band12	10 MHz	QPSK	0.223	---
LTE Band12	10 MHz	16QAM	0.177	---
LTE Band13	5 MHz	QPSK	0.210	---
LTE Band13	5 MHz	16QAM	0.172	---
LTE Band13	10 MHz	QPSK	0.203	---
LTE Band13	10 MHz	16QAM	0.167	---
LTE Band25	1.4 MHz	QPSK	0.225	---
LTE Band25	1.4 MHz	16QAM	0.182	---
LTE Band25	3 MHz	QPSK	0.226	---
LTE Band25	3 MHz	16QAM	0.183	---
LTE Band25	5 MHz	QPSK	0.227	---
LTE Band25	5 MHz	16QAM	0.185	---
LTE Band25	10 MHz	QPSK	0.224	---
LTE Band25	10 MHz	16QAM	0.189	---
LTE Band25	15 MHz	QPSK	0.227	---
LTE Band25	15 MHz	16QAM	0.184	---
LTE Band25	20 MHz	QPSK	0.230	---
LTE Band25	20 MHz	16QAM	0.188	---



Band	Channel Bandwidth	Modulation	Max. RF Output Power	E.R.P. /E.I.R.P.
			(W)	(W)
LTE Band26(Part 22)	1.4 MHz	QPSK	0.218	---
LTE Band26(Part 22)	1.4 MHz	16QAM	0.173	---
LTE Band26(Part 22)	3 MHz	QPSK	0.216	---
LTE Band26(Part 22)	3 MHz	16QAM	0.173	---
LTE Band26(Part 22)	5 MHz	QPSK	0.218	---
LTE Band26(Part 22)	5 MHz	16QAM	0.182	---
LTE Band26(Part 22)	10 MHz	QPSK	0.219	---
LTE Band26(Part 22)	10 MHz	16QAM	0.178	---
LTE Band26(Part 22)	15 MHz	QPSK	0.219	---
LTE Band26(Part 22)	15 MHz	16QAM	0.179	---
LTE Band41	5 MHz	QPSK	0.185	---
LTE Band41	5 MHz	16QAM	0.152	---
LTE Band41	10 MHz	QPSK	0.184	---
LTE Band41	10 MHz	16QAM	0.150	---
LTE Band41	15 MHz	QPSK	0.184	---
LTE Band41	15 MHz	16QAM	0.150	---
LTE Band41	20 MHz	QPSK	0.183	---
LTE Band41	20 MHz	16QAM	0.150	---

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 13				
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23205	779.5	---	---
Middle CH	23230	782.0	23230	782.0
High CH	23255	784.5	---	---

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 25						
Channel Bandwidth	1.4 MHz		3 MHz		5 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26047	1850.7	26055	1851.5	26065	1852.5
Middle CH	26365	1882.5	26365	1882.5	26365	1882.5
High CH	26683	1914.3	26675	1913.5	26665	1912.5
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26090	1855	26115	1857.5	26140	1860
Middle CH	26365	1882.5	26365	1882.5	26365	1882.5
High CH	26640	1910	26615	1907.5	26590	1905

LTE Band 26 (Part 22)						
Channel Bandwidth	1.4 MHz		3 MHz		5 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26797	824.7	26805	825.5	26815	826.5
Middle CH	26915	836.5	26915	836.5	26915	836.5
High CH	27003	848.3	27025	847.5	27015	846.5
Channel Bandwidth	10 MHz		15 MHz		NA	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	NA	NA
Low CH	26840	829.0	26865	831.5	NA	NA
Middle CH	26915	836.5	26915	836.5	NA	NA
High CH	26990	844.0	26965	841.5	NA	NA

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 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: 30 MHz to 26.5 GHz.

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 13	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



Band	Channel Bandwidth	Test Modes	
LTE Band 25	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 26 (Part 22)	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

Band	Channel Bandwidth	Test Modes	
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

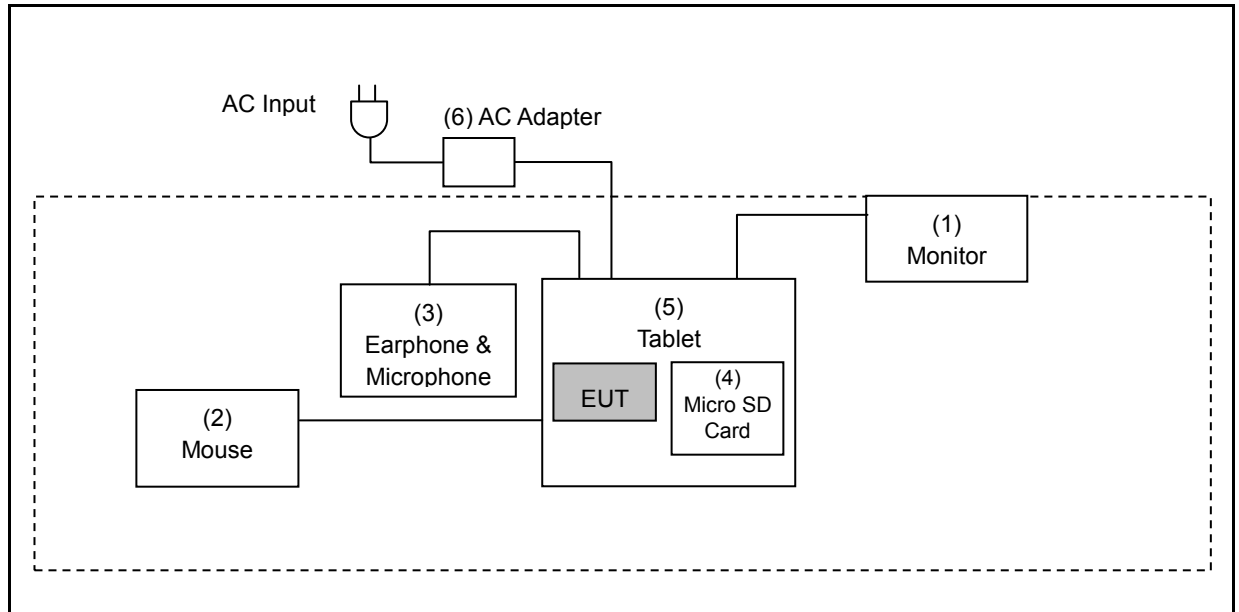
1.3. EUT Test Step

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.

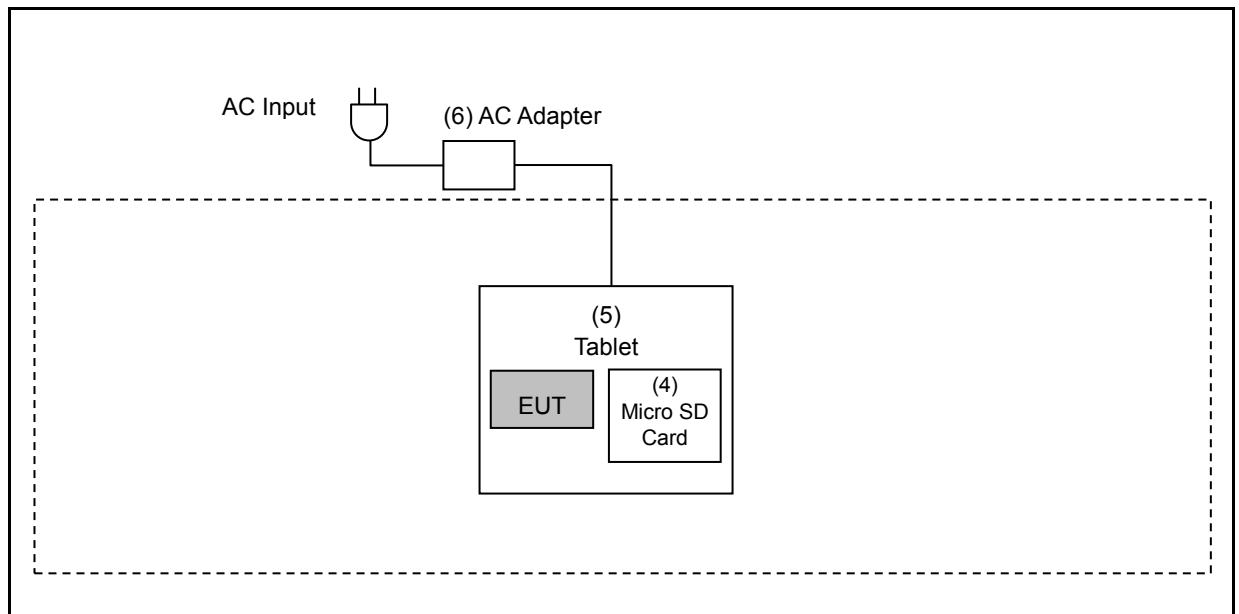
Measurement Software			
No.	Description	Software	Version
1	Radiated Emission	EZ EMC	1.1.4.4

1.4. Configuration of Test System Details

Radiated Emission_ Below 1 GHz



Radiated Emission_ Above 1 GHz





Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	Monitor	DELL	P2415Qb	CN-0D3C8Y-74261-523-0HUL	---
(2)	Mouse	Logitech	M-UAG96B	---	---
(3)	Earphone & Microphone	HTC	---	---	---
(4)	Micro SD Card	Transcend	---	---	---
(5)	Tablet	Getac	UX10	---	---
(6)	AC adapter	FSP	FSP065-RBBN3	---	---

1.5. Test Instruments

For Conducted

Test Period: Mar. 15 ~ Mar. 17, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Power Supply	KEITHLEY	2303	4045290	02/12/2019	1 year
Radio Communication Analyzer	Anritsu	MT8820C	6201342039	12/13/2018	1 year

For Radiated Emissions

Test Period: Mar. 26, 2019

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
EXA Signal Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	01/14/2019	1 year
Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02237	10/16/2018	1 year
Pre Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	01/14/2019	1 year
Trilog Broadband Antenna	Schwarzbeck Mess-Elektronik	VULB9168	416	10/23/2018	1 year
Horn Antenna (1~18 GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	08/23/2018	1 year
RF Cable	EMCI	EMC104-N-N-6000	TE01-1	02/20/2019	1 year
Microwave Cable	EMCI	EMC104-SM-SM-1 3000	170814	10/30/2018	1 year
Microwave Cable	EMCI	EMC102-KM-KM-1 4000	151001	02/20/2019	1 year

1.6. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	990

Test Setting Condition		
N.V.	Normal Voltage	AC 120 V
N.T.	Normal Temperature	+25 °C



1.7. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Average Power	Pass
§22.913 §24.232 §27.50 §27.50	Equivalent Isotropic Radiated Power / Equivalent Radiated Power	Pass (Note2)
§2.1055 §22.355 §24.235 §27.54	Frequency Stability	N/A (Note1)
§2.1049	Emission Bandwidth & Occupied Bandwidth	N/A (Note1)
§24.232 §27.50	Peak to average ratio	N/A (Note1)
§2.1051 §22.917 §24.238 §27.53	Band Edge	N/A (Note1)
§2.1051 §22.917 §24.238 §27.53	Conducted Spurious Emissions	N/A (Note1)
§2.1053 §22.917 §24.238 §27.53	Radiated Spurious Emissions	Pass (Note2)

Note1: Class II permissive change. No need for verification.

Note2: Equivalent Isotropic Radiated Power / Equivalent Radiated Power and Radiated Spurious Emissions is tested using the worst Conducted Output Average Power.

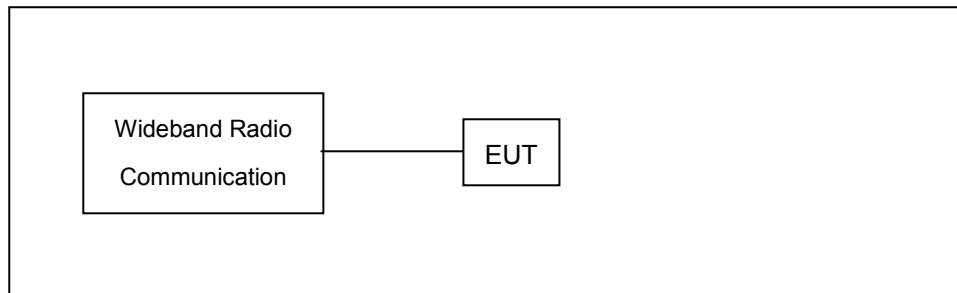
2 Measurement Procedure

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.

■ Uncertainty

The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

2.2. Effective Radiated Power / Equivalent Isotropic Radiated Power Test

■ Limit

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

For FCC Part 27.50(b)(9): Control stations and Portable stations transmitting in the 746-757 MHz, and 776-788 MHz bands are limited to 30 watts ERP.

For FCC Part 27.50(c)(10): Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP

For FCC Part 27.50(h)(2): Portable stations are limited to 2.0 watts EIRP.

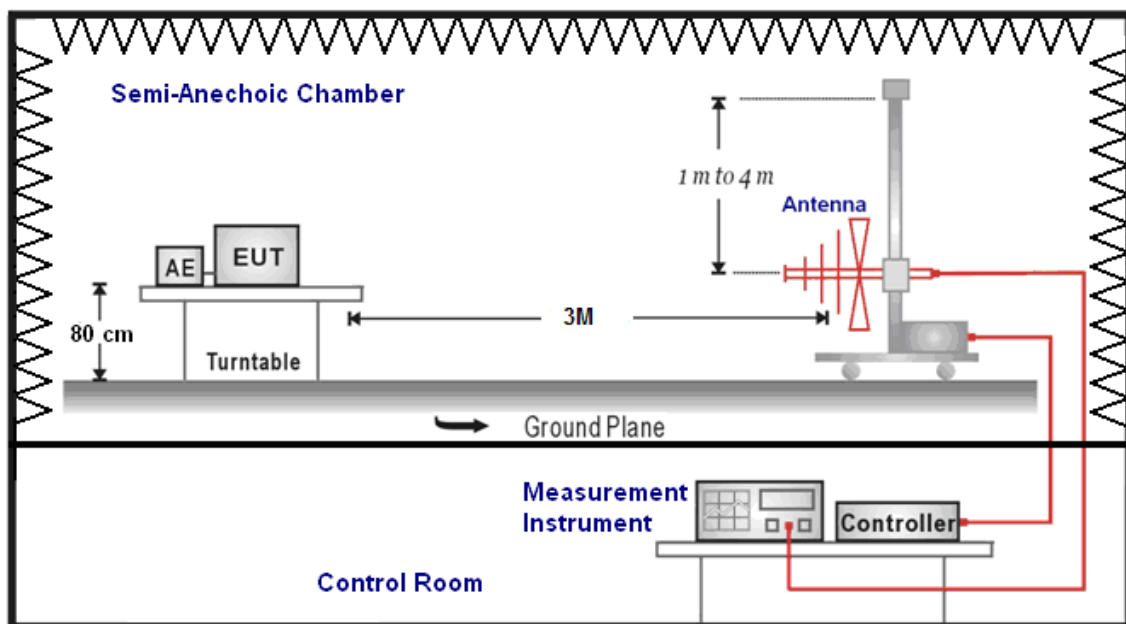
For FCC Part 22.913(a)(5): The ERP of Portable transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(c): The E.I.R.P. of Mobile and portable stations test transmitters must not exceed 2 Watts.

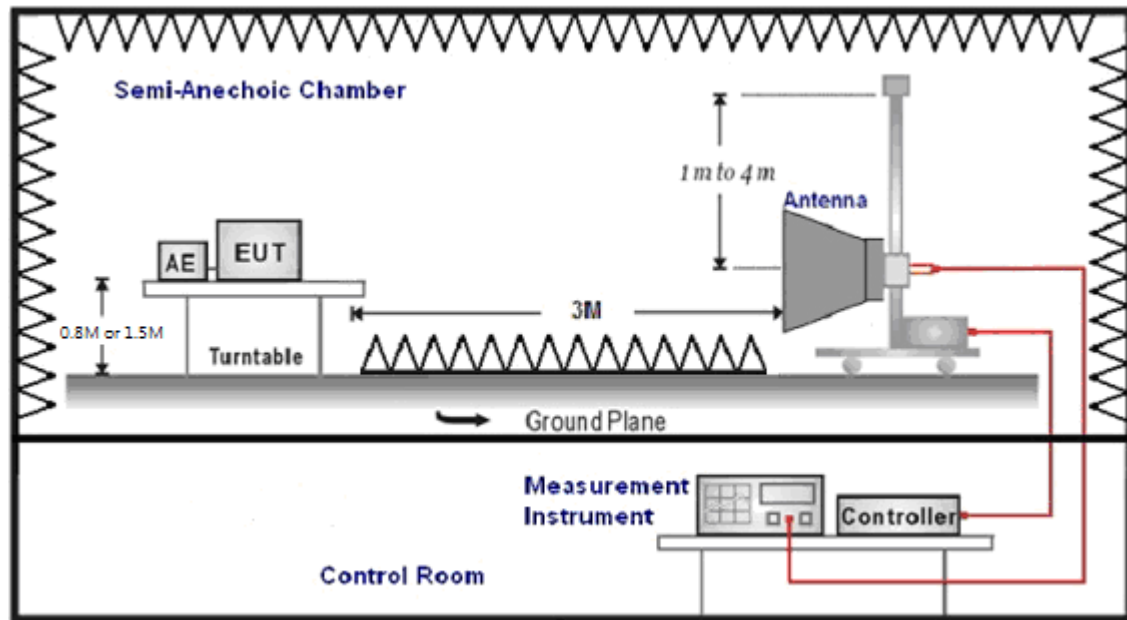
For FCC Part 27.50(h)(2): Portable stations in BRS and EBS band are limited to 2 watts EIRP.

■ Test Setup

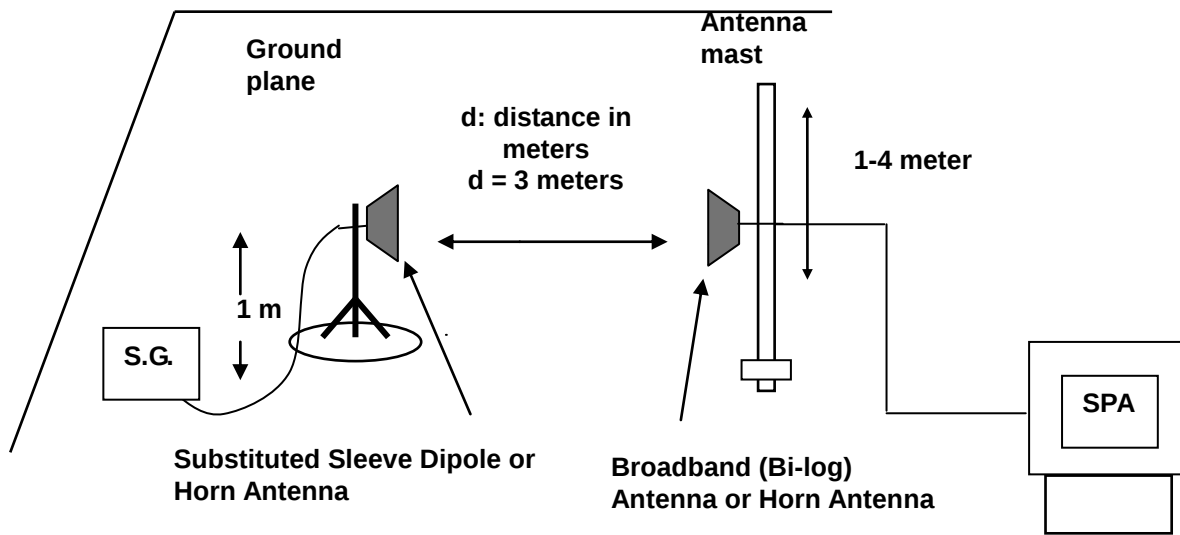
Below 1 GHz



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. $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- e. $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$

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

■ Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is $\pm 3.072 \text{ dB}$.

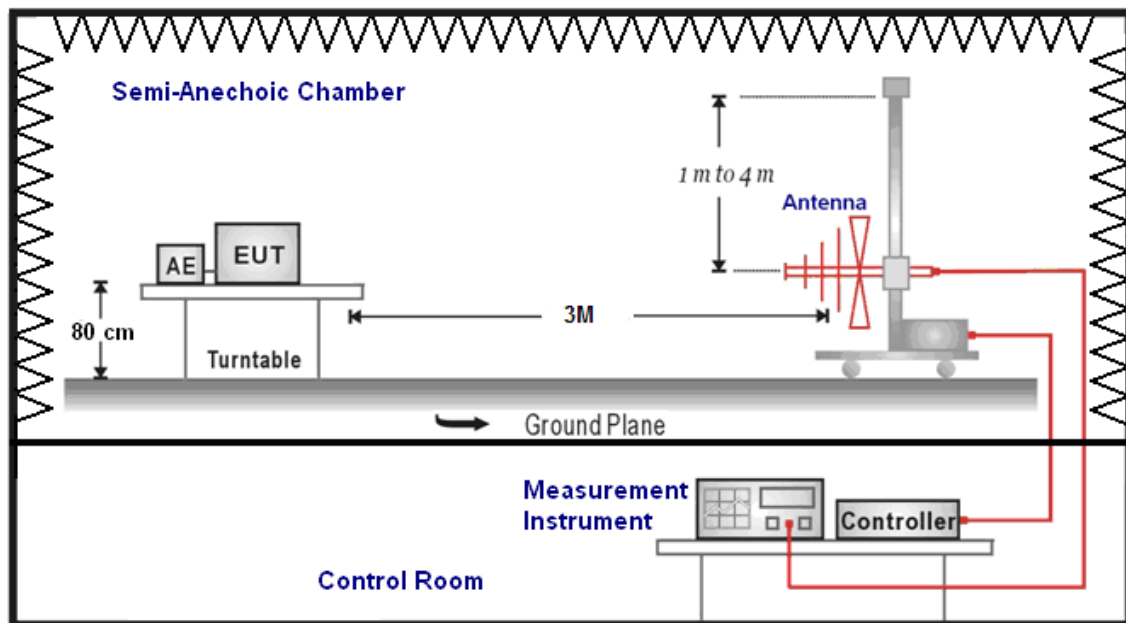
2.3. Radiated Emission Test

■ Limit

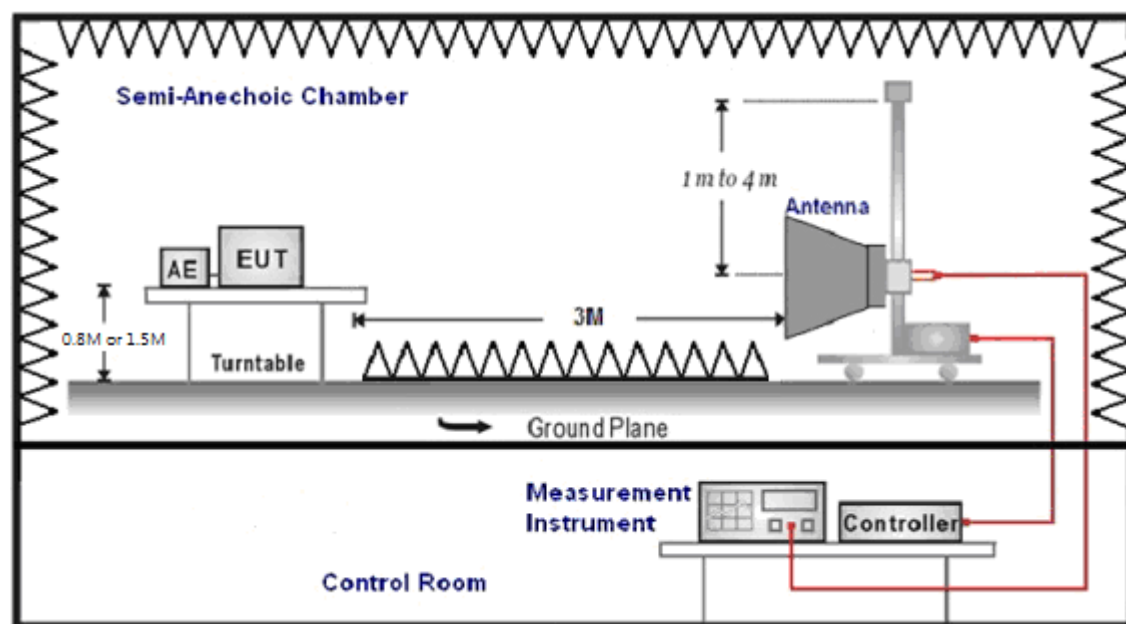
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13 dBm

■ Setup

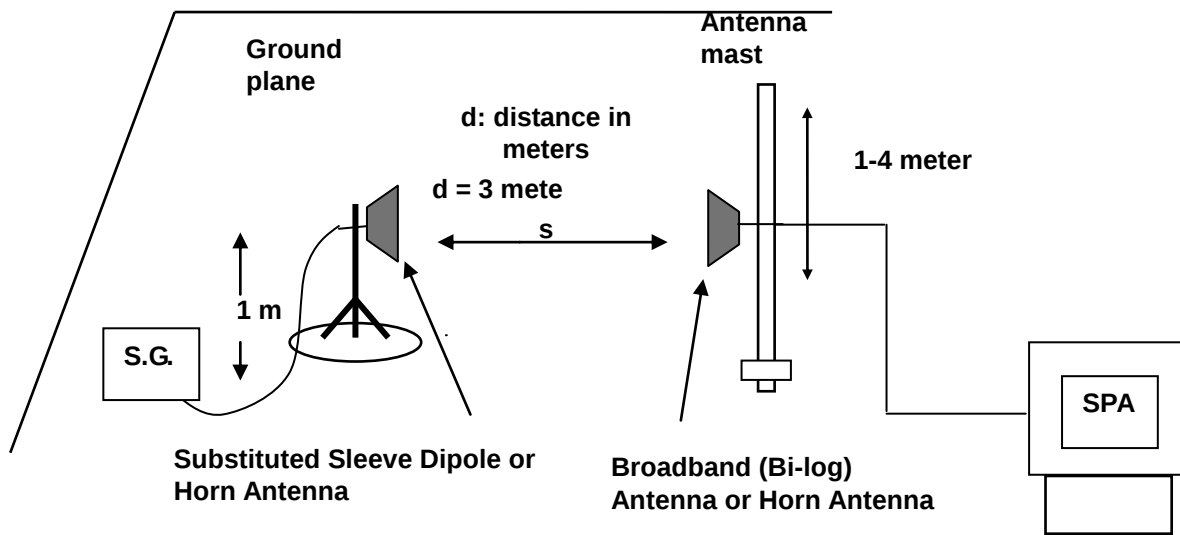
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

- 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).
- 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.
- 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.
- $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$
- 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

■ Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is $\pm 3.072 \text{ dB}$.

3 Test Results

Conducted Output Average Power

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	1.4 MHz	QPSK	18607	1850.7	1	0	23.52	0.225
					1	2	23.54	0.226
					1	5	23.48	0.223
					3	0	23.41	0.219
					3	1	23.44	0.221
					3	3	23.36	0.217
					6	0	22.39	0.173
			18900	1880.0	1	0	23.39	0.218
					1	2	23.53	0.225
					1	5	23.47	0.222
					3	0	23.44	0.221
					3	1	23.48	0.223
					3	3	23.47	0.222
					6	0	22.41	0.174
			19193	1909.3	1	0	23.53	0.225
					1	2	23.49	0.223
					1	5	23.45	0.221
					3	0	23.31	0.214
					3	1	23.43	0.220
					3	3	23.34	0.216
					6	0	22.40	0.174
		16QAM	18607	1850.7	1	0	22.40	0.174
					1	2	22.61	0.182
					1	5	22.44	0.175
					3	0	21.95	0.157
					3	1	22.03	0.160
					3	3	22.00	0.158
					6	0	20.90	0.123
			18900	1880.0	1	0	22.25	0.168
					1	2	22.34	0.171
					1	5	22.23	0.167
					3	0	22.00	0.158
					3	1	22.06	0.161
					3	3	21.96	0.157
					6	0	20.99	0.126
			19193	1909.3	1	0	22.27	0.169
					1	2	22.33	0.171
					1	5	22.35	0.172
					3	0	22.04	0.160
					3	1	22.10	0.162
					3	3	22.08	0.161
					6	0	20.87	0.122

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	3 MHz	QPSK	18615	1851.5	1	0	23.08	0.203
					1	7	23.63	0.231
					1	14	23.08	0.203
					8	0	22.08	0.161
					8	3	22.13	0.163
					8	7	22.12	0.163
					15	0	22.05	0.160
			18900	1880.0	1	0	23.25	0.211
					1	7	23.64	0.231
					1	14	22.95	0.197
					8	0	22.03	0.160
					8	3	22.04	0.160
					8	7	22.06	0.161
					15	0	22.04	0.160
			19185	1908.5	1	0	23.01	0.200
					1	7	23.12	0.205
					1	14	22.99	0.199
					8	0	22.00	0.158
					8	3	22.06	0.161
					8	7	22.07	0.161
					15	0	22.04	0.160
		16QAM	18615	1851.5	1	0	22.47	0.177
					1	7	22.64	0.184
					1	14	22.43	0.175
					8	0	21.11	0.129
					8	3	21.12	0.129
					8	7	21.11	0.129
					15	0	21.08	0.128
			18900	1880.0	1	0	22.51	0.178
					1	7	22.75	0.188
					1	14	22.36	0.172
					8	0	20.93	0.124
					8	3	20.98	0.125
					8	7	21.01	0.126
					15	0	21.00	0.126
			19185	1908.5	1	0	22.42	0.175
					1	7	22.40	0.174
					1	14	22.57	0.181
					8	0	20.97	0.125
					8	3	21.02	0.126
					8	7	21.00	0.126
					15	0	21.07	0.128

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	5 MHz	QPSK	18625	1852.5	1	0	23.48	0.223
					1	12	23.44	0.221
					1	24	23.49	0.223
					12	0	22.29	0.169
					12	6	22.34	0.171
					12	13	22.37	0.173
					25	0	22.30	0.170
			18900	1880.0	1	0	23.41	0.219
					1	12	23.40	0.219
					1	24	23.43	0.220
					12	0	22.20	0.166
					12	6	22.31	0.170
					12	13	22.16	0.164
					25	0	22.22	0.167
			19175	1907.5	1	0	23.61	0.230
					1	12	23.55	0.226
					1	24	23.46	0.222
					12	0	22.22	0.167
					12	6	22.29	0.169
					12	13	22.26	0.168
					25	0	22.18	0.165
		16QAM	18625	1852.5	1	0	22.68	0.185
					1	12	22.77	0.189
					1	24	22.79	0.190
					12	0	21.25	0.133
					12	6	21.35	0.136
					12	13	21.31	0.135
					25	0	21.28	0.134
			18900	1880.0	1	0	22.48	0.177
					1	12	22.24	0.167
					1	24	22.47	0.177
					12	0	21.24	0.133
					12	6	21.26	0.134
					12	13	21.16	0.131
					25	0	21.15	0.130
			19175	1907.5	1	0	22.64	0.184
					1	12	22.53	0.179
					1	24	22.61	0.182
					12	0	21.08	0.128
					12	6	21.16	0.131
					12	11	21.15	0.130
					25	0	21.12	0.129

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	10 MHz	QPSK	18650	1855.0	1	0	23.43	0.220
					1	24	23.46	0.222
					1	49	23.31	0.214
					25	0	22.46	0.176
					25	12	22.46	0.176
					25	25	22.33	0.171
			18900	1880.0	50	0	22.33	0.171
					1	0	23.31	0.214
					1	24	23.40	0.219
					1	49	23.19	0.208
					25	0	22.31	0.170
					25	12	22.36	0.172
					25	25	22.28	0.169
					50	0	22.36	0.172
			19150	1905.0	1	0	23.58	0.228
					1	24	23.48	0.223
					1	49	23.21	0.209
					25	0	22.39	0.173
					25	12	22.41	0.174
					25	25	22.27	0.169
					50	0	22.31	0.170
		16QAM	18650	1855.0	1	0	22.72	0.187
					1	24	22.61	0.182
					1	49	22.68	0.185
					25	0	21.24	0.133
					25	12	21.23	0.133
					25	25	21.08	0.128
			18900	1880.0	50	0	21.08	0.128
					1	0	22.71	0.187
					1	24	22.67	0.185
					1	49	22.76	0.189
					25	0	21.13	0.130
					25	12	21.16	0.131
					25	25	21.11	0.129
					50	0	21.14	0.130
			19150	1905.0	1	0	22.52	0.179
					1	24	22.38	0.173
					1	49	22.30	0.170
					25	0	21.17	0.131
					25	12	21.27	0.134
					25	25	21.11	0.129
					50	0	21.17	0.131

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	15 MHz	QPSK	18675	1857.5	1	0	23.54	0.226
					1	37	23.48	0.223
					1	74	23.34	0.216
					36	0	22.50	0.178
					36	19	22.48	0.177
					36	39	22.44	0.175
			18900	1880.0	75	0	22.37	0.173
					1	0	23.62	0.230
					1	37	23.36	0.217
					1	74	23.49	0.223
					36	0	22.49	0.177
					36	19	22.49	0.177
					36	39	22.48	0.177
					75	0	22.47	0.177
			19125	1902.5	1	0	23.55	0.226
					1	37	23.49	0.223
					1	74	23.51	0.224
					36	0	22.56	0.180
					36	19	22.64	0.184
					36	39	22.55	0.180
					75	0	22.50	0.178
		16QAM	18675	1857.5	1	0	22.58	0.181
					1	37	22.51	0.178
					1	74	22.36	0.172
					36	0	21.19	0.132
					36	19	21.21	0.132
					36	39	21.14	0.130
			18900	1880.0	75	0	21.16	0.131
					1	0	22.77	0.189
					1	37	22.36	0.172
					1	74	22.49	0.177
					36	0	21.23	0.133
					36	19	21.20	0.132
					36	39	21.20	0.132
					75	0	21.19	0.132
			19125	1902.5	1	0	22.69	0.186
					1	37	22.58	0.181
					1	74	22.59	0.182
					36	0	21.27	0.134
					36	19	21.36	0.137
					36	39	21.28	0.134
					75	0	21.25	0.133



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	20 MHz	QPSK	18700	1860.0	1	0	23.41	0.219
					1	49	23.29	0.213
					1	99	23.03	0.201
					50	0	22.33	0.171
					50	25	22.24	0.167
					50	50	22.21	0.166
			18900	1880.0	100	0	22.33	0.171
					1	0	23.55	0.226
					1	49	23.23	0.210
					1	99	23.12	0.205
					50	0	22.25	0.168
					50	25	22.29	0.169
					50	50	22.27	0.169
					100	0	22.32	0.171
			19100	1900.0	1	0	23.26	0.212
					1	49	23.17	0.207
					1	99	23.06	0.202
					50	0	22.20	0.166
					50	25	22.21	0.166
					50	50	22.22	0.167
					100	0	22.25	0.168
		16QAM	18700	1860.0	1	0	22.54	0.179
					1	49	22.32	0.171
					1	99	21.92	0.156
					50	0	21.14	0.130
					50	25	21.06	0.128
					50	50	21.02	0.126
			18900	1880.0	100	0	21.11	0.129
					1	0	22.64	0.184
					1	49	22.43	0.175
					1	99	22.32	0.171
					50	0	21.11	0.129
					50	25	21.14	0.130
					50	50	21.12	0.129
					100	0	21.16	0.131
			19100	1900.0	1	0	22.35	0.172
					1	49	22.22	0.167
					1	99	22.28	0.169
					50	0	21.05	0.127
					50	25	21.05	0.127
					50	50	21.04	0.127
					100	0	21.10	0.129

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	1.4 MHz	QPSK	19957	1710.7	1	0	23.48	0.223
					1	2	23.45	0.221
					1	5	23.54	0.226
					3	0	23.36	0.217
					3	1	23.40	0.219
					3	3	23.43	0.220
					6	0	22.34	0.171
			20175	1732.5	1	0	23.23	0.210
					1	2	23.44	0.221
					1	5	23.19	0.208
					3	0	23.23	0.210
					3	1	23.36	0.217
					3	3	23.34	0.216
					6	0	22.32	0.171
			20393	1754.3	1	0	23.30	0.214
					1	2	23.20	0.209
					1	5	23.06	0.202
					3	0	23.22	0.210
					3	1	23.19	0.208
					3	3	23.08	0.203
					6	0	22.26	0.168
		16QAM	19957	1710.7	1	0	22.48	0.177
					1	2	22.43	0.175
					1	5	22.47	0.177
					3	0	22.03	0.160
					3	1	22.09	0.162
					3	3	22.19	0.166
					6	0	20.94	0.124
			20175	1732.5	1	0	22.34	0.171
					1	2	22.50	0.178
					1	5	22.24	0.167
					3	0	22.04	0.160
					3	1	22.11	0.163
					3	3	22.14	0.164
					6	0	21.06	0.128
			20393	1754.3	1	0	22.17	0.165
					1	2	22.18	0.165
					1	5	22.03	0.160
					3	0	22.07	0.161
					3	1	22.05	0.160
					3	3	21.94	0.156
					6	0	20.90	0.123

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	3 MHz	QPSK	19965	1711.5	1	0	23.12	0.205
					1	7	23.55	0.226
					1	14	23.15	0.207
					8	0	22.09	0.162
					8	3	22.12	0.163
					8	7	22.05	0.160
					15	0	22.07	0.161
			20175	1732.5	1	0	23.15	0.207
					1	7	23.47	0.222
					1	14	23.02	0.200
					8	0	22.03	0.160
					8	3	22.03	0.160
					8	7	22.02	0.159
					15	0	21.98	0.158
			20385	1753.5	1	0	22.97	0.198
					1	7	23.10	0.204
					1	14	22.82	0.191
					8	0	21.93	0.156
					8	3	21.92	0.156
					8	7	21.96	0.157
					15	0	21.99	0.158
		16QAM	19965	1711.5	1	0	22.42	0.175
					1	7	22.50	0.178
					1	14	22.42	0.175
					8	0	21.20	0.132
					8	3	21.14	0.130
					8	7	21.14	0.130
					15	0	21.11	0.129
			20175	1732.5	1	0	22.43	0.175
					1	7	22.46	0.176
					1	14	22.29	0.169
					8	0	20.98	0.125
					8	3	21.00	0.126
					8	7	21.00	0.126
					15	0	20.99	0.126
			20385	1753.5	1	0	22.31	0.170
					1	7	22.27	0.169
					1	14	22.11	0.163
					8	0	20.93	0.124
					8	3	20.91	0.123
					8	7	21.02	0.126
					15	0	21.02	0.126

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	5 MHz	QPSK	19975	1712.5	1	0	23.64	0.231
					1	12	23.46	0.222
					1	24	23.61	0.230
					12	0	22.47	0.177
					12	6	22.48	0.177
					12	13	22.46	0.176
					25	0	22.42	0.175
			20175	1732.5	1	0	23.52	0.225
					1	12	23.42	0.220
					1	24	23.49	0.223
					12	0	22.34	0.171
					12	6	22.35	0.172
					12	13	22.32	0.171
					25	0	22.21	0.166
			20375	1752.5	1	0	23.60	0.229
					1	12	23.32	0.215
					1	24	23.17	0.207
					12	0	22.40	0.174
					12	6	22.40	0.174
					12	13	22.44	0.175
					25	0	22.32	0.171
		16QAM	19975	1712.5	1	0	22.54	0.179
					1	12	22.36	0.172
					1	24	22.43	0.175
					12	0	21.15	0.130
					12	6	21.20	0.132
					12	13	21.10	0.129
					25	0	21.15	0.130
			20175	1732.5	1	0	22.28	0.169
					1	12	22.04	0.160
					1	24	22.45	0.176
					12	0	21.16	0.131
					12	6	21.11	0.129
					12	13	21.08	0.128
					25	0	20.94	0.124
			20375	1752.5	1	0	22.38	0.173
					1	12	22.37	0.173
					1	24	22.07	0.161
					12	0	21.11	0.129
					12	6	21.09	0.129
					12	11	21.13	0.130
					25	0	21.08	0.128

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	10 MHz	QPSK	20000	1715.0	1	0	23.65	0.232
					1	24	23.64	0.231
					1	49	23.65	0.232
					25	0	22.68	0.185
					25	12	22.68	0.185
					25	25	22.56	0.180
			20175	1732.5	50	0	22.60	0.182
					1	0	23.61	0.230
					1	24	23.57	0.228
					1	49	23.50	0.224
					25	0	22.54	0.179
					25	12	22.69	0.186
					25	25	22.62	0.183
					50	0	22.56	0.180
			20350	1750.0	1	0	23.55	0.226
					1	24	23.67	0.233
					1	49	23.28	0.213
					25	0	22.50	0.178
					25	12	22.54	0.179
					25	25	22.45	0.176
					50	0	22.51	0.178
		16QAM	20000	1715.0	1	0	22.60	0.182
					1	24	22.57	0.181
					1	49	22.63	0.183
					25	0	21.12	0.129
					25	12	21.14	0.130
					25	25	21.08	0.128
			20175	1732.5	50	0	21.04	0.127
					1	0	22.61	0.182
					1	24	22.60	0.182
					1	49	22.39	0.173
					25	0	21.04	0.127
					25	12	21.18	0.131
					25	25	21.12	0.129
					50	0	21.02	0.126
			20350	1750.0	1	0	22.23	0.167
					1	24	22.29	0.169
					1	49	22.07	0.161
					25	0	20.94	0.124
					25	12	21.06	0.128
					25	25	20.91	0.123
					50	0	21.03	0.127

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	15 MHz	QPSK	20025	1717.5	1	0	23.35	0.216
					1	37	23.59	0.229
					1	74	23.29	0.213
					36	0	22.34	0.171
					36	19	22.32	0.171
					36	39	22.25	0.168
			20175	1732.5	75	0	22.30	0.170
					1	0	23.38	0.218
					1	37	23.22	0.210
					1	74	23.23	0.210
					36	0	22.40	0.174
					36	19	22.48	0.177
					36	39	22.32	0.171
					75	0	22.38	0.173
			20325	1747.5	1	0	23.28	0.213
					1	37	23.31	0.214
					1	74	23.22	0.210
					36	0	22.34	0.171
					36	19	22.48	0.177
					36	39	22.25	0.168
					75	0	22.30	0.170
		16QAM	20025	1717.5	1	0	22.43	0.175
					1	37	22.33	0.171
					1	74	22.32	0.171
					36	0	21.04	0.127
					36	19	21.07	0.128
					36	39	20.99	0.126
			20175	1732.5	75	0	21.04	0.127
					1	0	22.49	0.177
					1	37	22.44	0.175
					1	74	22.30	0.170
					36	0	21.16	0.131
					36	19	21.23	0.133
					36	39	21.08	0.128
			20325	1747.5	75	0	21.10	0.129
					1	0	22.25	0.168
					1	37	22.27	0.169
					1	74	22.19	0.166
					36	0	21.04	0.127
					36	19	21.18	0.131
					36	39	20.97	0.125
					75	0	21.03	0.127

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	20 MHz	QPSK	20050	1720.0	1	0	23.46	0.222
					1	49	23.37	0.217
					1	99	23.28	0.213
					50	0	22.32	0.171
					50	25	22.37	0.173
					50	50	22.38	0.173
			20175	1732.5	100	0	22.41	0.174
					1	0	23.49	0.223
					1	49	23.54	0.226
					1	99	23.20	0.209
					50	0	22.43	0.175
					50	25	22.50	0.178
					50	50	22.52	0.179
					100	0	22.47	0.177
			20300	1745.0	1	0	23.24	0.211
					1	49	23.20	0.209
					1	99	23.01	0.200
					50	0	22.41	0.174
					50	25	22.45	0.176
					50	50	22.36	0.172
					100	0	22.40	0.174
		16QAM	20050	1720.0	1	0	22.33	0.171
					1	49	22.20	0.166
					1	99	22.25	0.168
					50	0	21.01	0.126
					50	25	21.11	0.129
					50	50	21.06	0.128
			20175	1732.5	100	0	21.12	0.129
					1	0	22.41	0.174
					1	49	22.46	0.176
					1	99	22.21	0.166
					50	0	21.16	0.131
					50	25	21.26	0.134
					50	50	21.18	0.131
					100	0	21.17	0.131
			20300	1745.0	1	0	22.31	0.170
					1	49	22.21	0.166
					1	99	22.21	0.166
					50	0	21.10	0.129
					50	25	21.14	0.130
					50	50	21.05	0.127
					100	0	21.09	0.129

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	1.4 MHz	QPSK	20407	824.7	1	0	23.41	0.219
					1	2	23.46	0.222
					1	5	23.45	0.221
					3	0	23.28	0.213
					3	1	23.35	0.216
					3	3	23.33	0.215
			20525	836.5	6	0	22.31	0.170
					1	0	23.24	0.211
					1	2	23.14	0.206
					1	5	23.12	0.205
					3	0	23.20	0.209
					3	1	23.06	0.202
					3	3	23.12	0.205
					6	0	22.05	0.160
			20643	848.3	1	0	22.80	0.191
					1	2	22.71	0.187
					1	5	22.52	0.179
					3	0	22.72	0.187
					3	1	22.71	0.187
					3	3	22.57	0.181
					6	0	21.78	0.151
		16QAM	20407	824.7	1	0	22.58	0.181
					1	2	22.70	0.186
					1	5	22.59	0.182
					3	0	22.01	0.159
					3	1	22.15	0.164
					3	3	22.19	0.166
			20525	836.5	6	0	20.98	0.125
					1	0	22.10	0.162
					1	2	22.21	0.166
					1	5	22.12	0.163
					3	0	21.91	0.155
					3	1	21.83	0.152
					3	3	21.87	0.154
					6	0	20.83	0.121
			20643	848.3	1	0	22.28	0.169
					1	2	22.23	0.167
					1	5	22.16	0.164
					3	0	21.88	0.154
					3	1	21.80	0.151
					3	3	21.75	0.150
					6	0	20.98	0.125

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	3 MHz	QPSK	20415	825.5	1	0	23.07	0.203
					1	7	23.45	0.221
					1	14	23.10	0.204
					8	0	22.00	0.158
					8	3	22.12	0.163
					8	7	22.05	0.160
					15	0	22.10	0.162
			20525	836.5	1	0	23.05	0.202
					1	7	23.29	0.213
					1	14	22.95	0.197
					8	0	21.95	0.157
					8	3	21.82	0.152
					8	7	21.79	0.151
					15	0	21.83	0.152
			20635	847.5	1	0	22.72	0.187
					1	7	22.77	0.189
					1	14	22.34	0.171
					8	0	21.76	0.150
					8	3	21.89	0.155
					8	7	21.59	0.144
					15	0	21.84	0.153
		16QAM	20415	825.5	1	0	22.40	0.174
					1	7	22.57	0.181
					1	14	22.46	0.176
					8	0	21.11	0.129
					8	3	21.19	0.132
					8	7	21.14	0.130
					15	0	21.10	0.129
			20525	836.5	1	0	22.34	0.171
					1	7	22.32	0.171
					1	14	22.19	0.166
					8	0	20.94	0.124
					8	3	20.74	0.119
					8	7	20.74	0.119
					15	0	20.83	0.121
			20635	847.5	1	0	22.28	0.169
					1	7	22.06	0.161
					1	14	21.62	0.145
					8	0	20.76	0.119
					8	3	20.94	0.124
					8	7	20.63	0.116
					15	0	20.91	0.123

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	5 MHz	QPSK	20425	826.5	1	0	23.58	0.228
					1	12	23.64	0.231
					1	24	23.42	0.220
					12	0	22.37	0.173
					12	6	22.36	0.172
					12	13	22.36	0.172
					25	0	22.34	0.171
			20525	836.5	1	0	23.44	0.221
					1	12	23.26	0.212
					1	24	23.33	0.215
					12	0	22.21	0.166
					12	6	22.10	0.162
					12	13	22.14	0.164
					25	0	22.12	0.163
			20625	846.5	1	0	23.36	0.217
					1	12	23.23	0.210
					1	24	22.76	0.189
					12	0	22.16	0.164
					12	6	22.11	0.163
					12	13	22.18	0.165
					25	0	22.15	0.164
		16QAM	20425	826.5	1	0	22.52	0.179
					1	12	22.89	0.195
					1	24	22.72	0.187
					12	0	21.14	0.130
					12	6	21.05	0.127
					12	13	21.06	0.128
					25	0	21.02	0.126
			20525	836.5	1	0	22.22	0.167
					1	12	21.96	0.157
					1	24	22.14	0.164
					12	0	21.02	0.126
					12	6	20.88	0.122
					12	13	20.90	0.123
					25	0	20.77	0.119
			20625	846.5	1	0	22.30	0.170
					1	12	22.10	0.162
					1	24	21.66	0.147
					12	0	20.85	0.122
					12	6	20.85	0.122
					12	11	20.91	0.123
					25	0	20.91	0.123

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	10 MHz	QPSK	20450	829.0	1	0	23.31	0.214
					1	24	23.30	0.214
					1	49	23.14	0.206
					25	0	22.35	0.172
					25	12	22.30	0.170
					25	25	22.13	0.163
			20525	836.5	50	0	22.19	0.166
					1	0	23.56	0.227
					1	24	23.30	0.214
					1	49	23.42	0.220
					25	0	22.33	0.171
					25	12	22.25	0.168
					25	25	22.20	0.166
					50	0	22.24	0.167
			20600	844.0	1	0	23.32	0.215
					1	24	23.43	0.220
					1	49	22.65	0.184
					25	0	22.29	0.169
					25	12	22.17	0.165
					25	25	22.21	0.166
					50	0	22.23	0.167
		16QAM	20450	829.0	1	0	22.59	0.182
					1	24	22.34	0.171
					1	49	22.30	0.170
					25	0	21.01	0.126
					25	12	20.93	0.124
					25	25	20.82	0.121
			20525	836.5	50	0	20.86	0.122
					1	0	22.73	0.187
					1	24	22.45	0.176
					1	49	22.48	0.177
					25	0	21.00	0.126
					25	12	20.95	0.124
					25	25	20.97	0.125
					50	0	20.97	0.125
			20600	844.0	1	0	22.38	0.173
					1	24	22.11	0.163
					1	49	21.62	0.145
					25	0	20.92	0.124
					25	12	20.88	0.122
					25	25	20.84	0.121
					50	0	20.96	0.125

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	5 MHz	QPSK	20775	2502.5	1	0	22.45	0.176
					1	12	22.29	0.169
					1	24	22.30	0.170
					12	0	21.35	0.136
					12	6	21.44	0.139
					12	13	21.49	0.141
					25	0	21.40	0.138
			21100	2535.0	1	0	22.44	0.175
					1	12	22.42	0.175
					1	24	22.45	0.176
					12	0	21.34	0.136
					12	6	21.43	0.139
					12	13	21.46	0.140
					25	0	21.38	0.137
			21425	2567.5	1	0	22.54	0.179
					1	12	22.67	0.185
					1	24	22.60	0.182
					12	0	21.72	0.149
					12	6	21.66	0.147
					12	13	21.75	0.150
					25	0	21.66	0.147
		16QAM	20775	2502.5	1	0	21.55	0.143
					1	12	21.59	0.144
					1	24	21.53	0.142
					12	0	20.61	0.115
					12	6	20.58	0.114
					12	13	20.63	0.116
					25	0	20.54	0.113
			21100	2535.0	1	0	21.64	0.146
					1	12	21.52	0.142
					1	24	21.65	0.146
					12	0	20.58	0.114
					12	6	20.54	0.113
					12	13	20.49	0.112
					25	0	20.57	0.114
			21425	2567.5	1	0	21.82	0.152
					1	12	21.98	0.158
					1	24	21.85	0.153
					12	0	20.83	0.121
					12	6	20.77	0.119
					12	11	20.74	0.119
					25	0	20.99	0.126

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	10 MHz	QPSK	20800	2505.0	1	0	22.35	0.172
					1	24	22.31	0.170
					1	49	22.30	0.170
					25	0	21.49	0.141
					25	12	21.44	0.139
					25	25	21.42	0.139
					50	0	21.59	0.144
			21100	2535.0	1	0	22.27	0.169
					1	24	22.42	0.175
					1	49	22.28	0.169
					25	0	21.54	0.143
					25	12	21.47	0.140
					25	25	21.45	0.140
					50	0	21.51	0.142
			21400	2565.0	1	0	22.67	0.185
					1	24	22.73	0.187
					1	49	22.63	0.183
					25	0	21.70	0.148
					25	12	21.78	0.151
					25	25	21.80	0.151
					50	0	21.77	0.150
		16QAM	20800	2505.0	1	0	21.75	0.150
					1	24	21.66	0.147
					1	49	21.66	0.147
					25	0	20.38	0.109
					25	12	20.32	0.108
					25	25	20.35	0.108
					50	0	20.41	0.110
			21100	2535.0	1	0	21.82	0.152
					1	24	21.41	0.138
					1	49	21.39	0.138
					25	0	20.32	0.108
					25	12	20.38	0.109
					25	25	20.22	0.105
					50	0	20.42	0.110
			21400	2565.0	1	0	21.56	0.143
					1	24	21.78	0.151
					1	49	22.14	0.164
					25	0	20.71	0.118
					25	12	20.67	0.117
					25	25	20.67	0.117
					50	0	20.64	0.116

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	15 MHz	QPSK	20825	2507.5	1	0	22.45	0.176
					1	37	22.31	0.170
					1	74	22.37	0.173
					36	0	21.42	0.139
					36	19	21.52	0.142
					36	39	21.39	0.138
					75	0	21.43	0.139
			21100	2535.0	1	0	22.31	0.170
					1	37	22.44	0.175
					1	74	22.33	0.171
					36	0	21.50	0.141
					36	19	21.36	0.137
					36	39	21.30	0.135
					75	0	21.48	0.141
			21375	2562.5	1	0	22.64	0.184
					1	37	22.72	0.187
					1	74	22.66	0.185
					36	0	21.85	0.153
					36	19	21.84	0.153
					36	39	21.73	0.149
					75	0	21.72	0.149
		16QAM	20825	2507.5	1	0	21.91	0.155
					1	37	21.76	0.150
					1	74	21.21	0.132
					36	0	20.40	0.110
					36	19	20.24	0.106
					36	39	20.21	0.105
					75	0	20.34	0.108
			21100	2535.0	1	0	21.92	0.156
					1	37	21.72	0.149
					1	74	21.89	0.155
					36	0	20.22	0.105
					36	19	20.40	0.110
					36	39	20.26	0.106
					75	0	20.39	0.109
			21375	2562.5	1	0	21.88	0.154
					1	37	21.98	0.158
					1	74	22.21	0.166
					36	0	20.68	0.117
					36	19	20.66	0.116
					36	39	20.65	0.116
					75	0	20.62	0.115

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	20 MHz	QPSK	20850	2510.0	1	0	22.40	0.174
					1	49	22.68	0.185
					1	99	22.31	0.170
					50	0	21.44	0.139
					50	25	21.35	0.136
					50	50	21.36	0.137
					100	0	21.33	0.136
			21100	2535.0	1	0	22.34	0.171
					1	49	22.69	0.186
					1	99	22.32	0.171
					50	0	21.55	0.143
					50	25	21.38	0.137
					50	50	21.42	0.139
					100	0	21.37	0.137
			21350	2560.0	1	0	22.70	0.186
					1	49	22.76	0.189
					1	99	22.68	0.185
					50	0	21.84	0.153
					50	25	21.74	0.149
					50	50	21.74	0.149
					100	0	21.79	0.151
		16QAM	20850	2510.0	1	0	21.88	0.154
					1	49	21.81	0.152
					1	99	21.61	0.145
					50	0	20.45	0.111
					50	25	20.50	0.112
					50	50	20.49	0.112
					100	0	20.57	0.114
			21100	2535.0	1	0	21.74	0.149
					1	49	21.70	0.148
					1	99	21.82	0.152
					50	0	20.44	0.111
					50	25	20.54	0.113
					50	50	20.47	0.111
					100	0	20.58	0.114
			21350	2560.0	1	0	22.08	0.161
					1	49	22.00	0.158
					1	99	22.12	0.163
					50	0	20.78	0.120
					50	25	20.80	0.120
					50	50	20.79	0.120
					100	0	20.71	0.118

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band12	1.4 MHz	QPSK	23017	699.7	1	0	23.46	0.222
					1	2	23.42	0.220
					1	5	23.56	0.227
					3	0	23.39	0.218
					3	1	23.46	0.222
					3	3	23.46	0.222
			23095	707.5	6	0	22.32	0.171
					1	0	23.50	0.224
					1	2	23.42	0.220
					1	5	23.35	0.216
					3	0	23.22	0.210
					3	1	23.28	0.213
					3	3	23.19	0.208
					6	0	22.16	0.164
			23173	715.3	1	0	22.49	0.177
					1	2	22.22	0.167
					1	5	21.77	0.150
					3	0	22.33	0.171
					3	1	22.21	0.166
					3	3	21.90	0.155
					6	0	21.31	0.135
		16QAM	23017	699.7	1	0	22.58	0.181
					1	2	22.60	0.182
					1	5	22.46	0.176
					3	0	22.20	0.166
					3	1	22.21	0.166
					3	3	22.20	0.166
			23095	707.5	6	0	21.17	0.131
					1	0	22.37	0.173
					1	2	22.53	0.179
					1	5	22.42	0.175
					3	0	22.01	0.159
					3	1	22.04	0.160
					3	3	22.01	0.159
			23173	715.3	6	0	20.81	0.121
					1	0	22.24	0.167
					1	2	22.40	0.174
					1	5	22.29	0.169
					3	0	21.88	0.154
					3	1	21.91	0.155
					3	3	21.88	0.154
					6	0	20.68	0.117

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band12	3 MHz	QPSK	23025	700.5	1	0	23.51	0.224
					1	7	23.57	0.228
					1	14	23.37	0.217
					8	0	22.37	0.173
					8	3	22.39	0.173
					8	7	22.30	0.170
					15	0	22.37	0.173
			23095	707.5	1	0	23.48	0.223
					1	7	23.44	0.221
					1	14	23.43	0.220
					8	0	22.28	0.169
					8	3	22.21	0.166
					8	7	22.19	0.166
					15	0	22.24	0.167
			23165	714.5	1	0	23.26	0.212
					1	7	22.93	0.196
					1	14	21.78	0.151
					8	0	22.18	0.165
					8	3	22.09	0.162
					8	7	21.42	0.139
					15	0	22.06	0.161
		16QAM	23025	700.5	1	0	22.34	0.171
					1	7	22.47	0.177
					1	14	22.18	0.165
					8	0	20.89	0.123
					8	3	20.87	0.122
					8	7	20.79	0.120
					15	0	20.84	0.121
			23095	707.5	1	0	22.16	0.164
					1	7	22.61	0.182
					1	14	22.30	0.170
					8	0	20.78	0.120
					8	3	20.72	0.118
					8	7	20.66	0.116
					15	0	20.73	0.118
			23165	714.5	1	0	22.30	0.170
					1	7	21.81	0.152
					1	14	20.64	0.116
					8	0	20.73	0.118
					8	3	20.62	0.115
					8	7	20.02	0.100
					15	0	20.61	0.115

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band12	5 MHz	QPSK	23035	701.5	1	0	23.54	0.226
					1	12	23.52	0.225
					1	24	23.37	0.217
					12	0	22.34	0.171
					12	6	22.37	0.173
					12	13	22.24	0.167
					25	0	22.26	0.168
			23095	707.5	1	0	23.49	0.223
					1	12	23.49	0.223
					1	24	23.33	0.215
					12	0	22.13	0.163
					12	6	22.20	0.166
					12	13	22.17	0.165
					25	0	22.12	0.163
			23155	713.5	1	0	23.51	0.224
					1	12	23.11	0.205
					1	24	22.18	0.165
					12	0	22.25	0.168
					12	6	22.23	0.167
					12	13	22.06	0.161
					25	0	22.18	0.165
		16QAM	23035	701.5	1	0	22.20	0.166
					1	12	22.47	0.177
					1	24	22.49	0.177
					12	0	20.84	0.121
					12	6	20.92	0.124
					12	13	20.80	0.120
					25	0	20.84	0.121
			23095	707.5	1	0	22.11	0.163
					1	12	21.74	0.149
					1	24	22.01	0.159
					12	0	20.77	0.119
					12	6	20.80	0.120
					12	13	20.76	0.119
					25	0	20.65	0.116
			23155	713.5	1	0	22.37	0.173
					1	12	22.05	0.160
					1	24	20.94	0.124
					12	0	20.75	0.119
					12	6	20.72	0.118
					12	11	20.67	0.117
					25	0	20.63	0.116

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band12	10 MHz	QPSK	23060	704.0	1	0	23.47	0.222
					1	24	23.23	0.210
					1	49	23.21	0.209
					25	0	22.28	0.169
					25	12	22.27	0.169
					25	25	22.29	0.169
			23095	707.5	50	0	22.16	0.164
					1	0	23.49	0.223
					1	24	23.34	0.216
					1	49	23.26	0.212
					25	0	22.25	0.168
					25	12	22.25	0.168
					25	25	22.14	0.164
					50	0	22.24	0.167
			23130	711.0	1	0	23.36	0.217
					1	24	23.39	0.218
					1	49	22.06	0.161
					25	0	22.26	0.168
					25	12	22.13	0.163
					25	25	22.15	0.164
					50	0	22.18	0.165
		16QAM	23060	704.0	1	0	22.48	0.177
					1	24	22.02	0.159
					1	49	22.05	0.160
					25	0	20.56	0.114
					25	12	20.54	0.113
					25	25	20.52	0.113
			23095	707.5	50	0	20.50	0.112
					1	0	22.44	0.175
					1	24	22.22	0.167
					1	49	22.41	0.174
					25	0	20.60	0.115
					25	12	20.59	0.115
					25	25	20.52	0.113
					50	0	20.48	0.112
			23130	711.0	1	0	22.12	0.163
					1	24	21.76	0.150
					1	49	20.74	0.119
					25	0	20.55	0.114
					25	12	20.53	0.113
					25	25	20.54	0.113
					50	0	20.50	0.112

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band13	5 MHz	QPSK	23205	779.5	1	0	22.12	0.163
					1	12	23.16	0.207
					1	24	23.17	0.207
					12	0	21.85	0.153
					12	6	21.92	0.156
					12	13	21.89	0.155
					25	0	21.94	0.156
			23230	782.0	1	0	23.01	0.200
					1	12	23.18	0.208
					1	24	23.02	0.200
					12	0	21.79	0.151
					12	6	21.92	0.156
					12	13	22.02	0.159
					25	0	21.90	0.155
			23255	784.5	1	0	23.20	0.209
					1	12	23.23	0.210
					1	24	22.99	0.199
					12	0	22.01	0.159
					12	6	22.00	0.158
					12	13	21.85	0.153
					25	0	21.98	0.158
		16QAM	23205	779.5	1	0	22.21	0.166
					1	12	22.11	0.163
					1	24	22.34	0.171
					12	0	20.71	0.118
					12	6	20.88	0.122
					12	13	20.90	0.123
					25	0	20.91	0.123
			23230	782.0	1	0	22.20	0.166
					1	12	22.35	0.172
					1	24	22.29	0.169
					12	0	20.82	0.121
					12	6	21.01	0.126
					12	13	20.97	0.125
					25	0	20.94	0.124
			23255	784.5	1	0	22.21	0.166
					1	12	22.27	0.169
					1	24	22.14	0.164
					12	0	21.09	0.129
					12	6	21.07	0.128
					12	11	20.92	0.124
					25	0	21.03	0.127



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band13	10 MHz	QPSK	23230	782	1	0	22.11	0.163
					1	24	23.07	0.203
					1	49	22.87	0.194
					25	0	21.93	0.156
					25	12	21.98	0.158
					25	25	21.96	0.157
					50	0	21.99	0.158
		16QAM	23230	782	1	0	21.86	0.153
					1	24	22.16	0.164
					1	49	22.22	0.167
					25	0	20.8	0.120
					25	12	21.02	0.126
					25	25	20.87	0.122
					50	0	20.96	0.125

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band25	1.4 MHz	QPSK	26047	1850.7	1	0	23.26	0.212
					1	2	23.39	0.218
					1	5	23.11	0.205
					3	0	23.14	0.206
					3	1	23.31	0.214
					3	3	23.32	0.215
			26365	1882.5	6	0	22.24	0.167
					1	0	23.46	0.222
					1	2	23.40	0.219
					1	5	23.21	0.209
					3	0	23.42	0.220
					3	1	23.41	0.219
					3	3	23.40	0.219
					6	0	22.23	0.167
			26683	1914.3	1	0	23.46	0.222
					1	2	23.52	0.225
					1	5	23.26	0.212
					3	0	23.41	0.219
					3	1	23.45	0.221
					3	3	23.46	0.222
					6	0	22.30	0.170
		16QAM	26047	1850.7	1	0	22.33	0.171
					1	2	22.41	0.174
					1	5	22.27	0.169
					3	0	22.26	0.168
					3	1	22.35	0.172
					3	3	22.33	0.171
			26365	1882.5	6	0	21.30	0.135
					1	0	22.34	0.171
					1	2	22.31	0.170
					1	5	22.30	0.170
					3	0	22.43	0.175
					3	1	22.41	0.174
					3	3	22.33	0.171
			26683	1914.3	6	0	21.38	0.137
					1	0	22.45	0.176
					1	2	22.47	0.177
					1	5	22.41	0.174
					3	0	22.45	0.176
					3	1	22.50	0.178
					3	3	22.59	0.182
					6	0	21.38	0.137

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band25	3 MHz	QPSK	26055	1851.5	1	0	23.18	0.208
					1	7	23.54	0.226
					1	14	23.28	0.213
					8	0	22.29	0.169
					8	3	22.19	0.166
					8	7	22.15	0.164
					15	0	22.25	0.168
			26365	1882.5	1	0	23.26	0.212
					1	7	23.46	0.222
					1	14	23.33	0.215
					8	0	22.24	0.167
					8	3	22.31	0.170
					8	7	22.34	0.171
					15	0	22.21	0.166
			26675	1913.5	1	0	23.31	0.214
					1	7	23.50	0.224
					1	14	23.21	0.209
					8	0	22.45	0.176
					8	3	22.38	0.173
					8	7	22.29	0.169
					15	0	22.20	0.166
		16QAM	26055	1851.5	1	0	22.43	0.175
					1	7	22.59	0.182
					1	14	22.48	0.177
					8	0	21.34	0.136
					8	3	21.27	0.134
					8	7	21.20	0.132
					15	0	21.20	0.132
			26365	1882.5	1	0	22.52	0.179
					1	7	22.63	0.183
					1	14	22.58	0.181
					8	0	21.40	0.138
					8	3	21.42	0.139
					8	7	21.35	0.136
					15	0	21.36	0.137
			26675	1913.5	1	0	22.48	0.177
					1	7	22.42	0.175
					1	14	22.49	0.177
					8	0	21.44	0.139
					8	3	21.37	0.137
					8	7	21.36	0.137
					15	0	21.21	0.132

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band25	5 MHz	QPSK	26065	1852.5	1	0	23.10	0.204
					1	12	23.32	0.215
					1	24	23.36	0.217
					12	0	22.30	0.170
					12	6	22.29	0.169
					12	13	22.35	0.172
					25	0	22.33	0.171
			26365	1882.5	1	0	23.40	0.219
					1	12	23.49	0.223
					1	24	23.46	0.222
					12	0	22.25	0.168
					12	6	22.44	0.175
					12	13	22.44	0.175
					25	0	22.49	0.177
			26665	1912.5	1	0	23.45	0.221
					1	12	23.56	0.227
					1	24	23.42	0.220
					12	0	22.40	0.174
					12	6	22.50	0.178
					12	13	22.53	0.179
					25	0	22.50	0.178
		16QAM	26065	1852.5	1	0	22.60	0.182
					1	12	22.55	0.180
					1	24	22.67	0.185
					12	0	21.35	0.136
					12	6	21.33	0.136
					12	13	21.35	0.136
					25	0	21.27	0.134
			26365	1882.5	1	0	22.61	0.182
					1	12	22.55	0.180
					1	24	22.57	0.181
					12	0	21.43	0.139
					12	6	21.41	0.138
					12	13	21.40	0.138
					25	0	21.46	0.140
			26665	1912.5	1	0	22.60	0.182
					1	12	22.46	0.176
					1	24	22.59	0.182
					12	0	21.58	0.144
					12	6	21.49	0.141
					12	11	21.45	0.140
					25	0	21.45	0.140

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band25	10 MHz	QPSK	26090	1855.0	1	0	23.28	0.213
					1	24	23.24	0.211
					1	49	23.15	0.207
					25	0	22.16	0.164
					25	12	22.26	0.168
					25	25	22.27	0.169
					50	0	22.21	0.166
			26365	1882.5	1	0	23.31	0.214
					1	24	23.34	0.216
					1	49	23.46	0.222
					25	0	22.26	0.168
					25	12	22.49	0.177
					25	25	22.37	0.173
					50	0	22.40	0.174
			26640	1910.0	1	0	23.41	0.219
					1	24	23.35	0.216
					1	49	23.51	0.224
					25	0	22.28	0.169
					25	12	22.51	0.178
					25	25	22.54	0.179
					50	0	22.49	0.177
		16QAM	26090	1855.0	1	0	22.58	0.181
					1	24	22.47	0.177
					1	49	22.53	0.179
					25	0	21.25	0.133
					25	12	21.31	0.135
					25	25	21.40	0.138
					50	0	21.31	0.135
			26365	1882.5	1	0	22.70	0.186
					1	24	22.64	0.184
					1	49	22.77	0.189
					25	0	21.39	0.138
					25	12	21.37	0.137
					25	25	21.43	0.139
					50	0	21.50	0.141
			26640	1910.0	1	0	22.74	0.188
					1	24	22.66	0.185
					1	49	22.64	0.184
					25	0	21.28	0.134
					25	12	21.43	0.139
					25	25	21.64	0.146
					50	0	21.61	0.145

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band25	15 MHz	QPSK	26115	1857.5	1	0	23.56	0.227
					1	37	23.47	0.222
					1	74	23.20	0.209
					36	0	22.54	0.179
					36	19	22.33	0.171
					36	39	22.32	0.171
			26365	1882.5	75	0	22.37	0.173
					1	0	23.26	0.212
					1	37	23.52	0.225
					1	74	23.14	0.206
					36	0	22.41	0.174
					36	19	22.62	0.183
					36	39	22.44	0.175
					75	0	22.40	0.174
			26615	1907.5	1	0	23.48	0.223
					1	37	23.31	0.214
					1	74	23.54	0.226
					36	0	22.40	0.174
					36	19	22.55	0.180
					36	39	22.33	0.171
					75	0	22.62	0.183
		16QAM	26115	1857.5	1	0	22.63	0.183
					1	37	22.57	0.181
					1	74	22.56	0.180
					36	0	21.42	0.139
					36	19	21.45	0.140
					36	39	21.49	0.141
			26365	1882.5	75	0	21.52	0.142
					1	0	22.65	0.184
					1	37	22.41	0.174
					1	74	22.47	0.177
					36	0	21.41	0.138
					36	19	21.54	0.143
					36	39	21.50	0.141
			26615	1907.5	75	0	21.44	0.139
					1	0	22.46	0.176
					1	37	22.35	0.172
					1	74	22.27	0.169
					36	0	21.53	0.142
					36	19	21.61	0.145
					36	39	21.55	0.143
					75	0	21.55	0.143

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band25	20 MHz	QPSK	26140	1860.0	1	0	23.48	0.223
					1	49	23.33	0.215
					1	99	23.17	0.207
					50	0	22.41	0.174
					50	25	22.49	0.177
					50	50	22.48	0.177
					100	0	22.66	0.185
			26365	1882.5	1	0	23.61	0.230
					1	49	23.49	0.223
					1	99	23.22	0.210
					50	0	22.53	0.179
					50	25	22.57	0.181
					50	50	22.55	0.180
					100	0	22.35	0.172
			26590	1905.0	1	0	23.60	0.229
					1	49	23.52	0.225
					1	99	23.38	0.218
					50	0	22.56	0.180
					50	25	22.56	0.180
					50	50	22.54	0.179
					100	0	22.45	0.176
		16QAM	26140	1860.0	1	0	22.64	0.184
					1	49	22.68	0.185
					1	99	22.67	0.185
					50	0	21.54	0.143
					50	25	21.60	0.145
					50	50	21.42	0.139
					100	0	21.59	0.144
			26365	1882.5	1	0	22.55	0.180
					1	49	22.75	0.188
					1	99	22.56	0.180
					50	0	21.60	0.145
					50	25	21.51	0.142
					50	50	21.49	0.141
					100	0	21.46	0.140
			26590	1905.0	1	0	22.69	0.186
					1	49	22.70	0.186
					1	99	22.49	0.177
					50	0	21.48	0.141
					50	25	21.48	0.141
					50	50	21.52	0.142
					100	0	21.60	0.145

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band26 (Part 22)	1.4 MHz	QPSK	26797	824.7	1	0	23.17	0.207
					1	2	23.39	0.218
					1	5	23.31	0.214
					3	0	23.28	0.213
					3	1	23.36	0.217
					3	3	23.33	0.215
			26915	836.5	6	0	22.31	0.170
					1	0	22.99	0.199
					1	2	22.91	0.195
					1	5	22.92	0.196
					3	0	22.86	0.193
					3	1	22.84	0.192
					3	3	22.82	0.191
					6	0	21.73	0.149
			27033	848.3	1	0	23.01	0.200
					1	2	23.03	0.201
					1	5	22.97	0.198
					3	0	22.95	0.197
					3	1	22.98	0.199
					3	3	22.98	0.199
					6	0	21.83	0.152
		16QAM	26797	824.7	1	0	22.20	0.166
					1	2	22.37	0.173
					1	5	22.39	0.173
					3	0	22.16	0.164
					3	1	22.27	0.169
					3	3	22.28	0.169
			26915	836.5	6	0	21.18	0.131
					1	0	21.93	0.156
					1	2	21.89	0.155
					1	5	21.97	0.157
					3	0	21.78	0.151
					3	1	21.69	0.148
					3	3	21.71	0.148
			27033	848.3	6	0	21.15	0.130
					1	0	21.95	0.157
					1	2	22.03	0.160
					1	5	22.18	0.165
					3	0	21.89	0.155
					3	1	21.85	0.153
					3	3	21.86	0.153
					6	0	21.14	0.130

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band26 (Part 22)	3 MHz	QPSK	26805	825.5	1	0	23.23	0.210
					1	7	23.34	0.216
					1	14	23.26	0.212
					8	0	22.27	0.169
					8	3	22.25	0.168
					8	7	22.29	0.169
					15	0	22.27	0.169
			26915	836.5	1	0	22.86	0.193
					1	7	22.88	0.194
					1	14	22.78	0.190
					8	0	21.80	0.151
					8	3	21.87	0.154
					8	7	21.82	0.152
					15	0	21.86	0.153
			27025	847.5	1	0	22.89	0.195
					1	7	23.07	0.203
					1	14	22.93	0.196
					8	0	21.90	0.155
					8	3	21.94	0.156
					8	7	21.95	0.157
					15	0	21.92	0.156
		16QAM	26805	825.5	1	0	22.25	0.168
					1	7	22.39	0.173
					1	14	22.30	0.170
					8	0	21.08	0.128
					8	3	21.09	0.129
					8	7	21.12	0.129
					15	0	20.99	0.126
			26915	836.5	1	0	21.86	0.153
					1	7	22.00	0.158
					1	14	21.83	0.152
					8	0	20.64	0.116
					8	3	20.70	0.117
					8	7	20.72	0.118
					15	0	20.64	0.116
			27025	847.5	1	0	21.93	0.156
					1	7	22.21	0.166
					1	14	21.96	0.157
					8	0	20.73	0.118
					8	3	20.75	0.119
					8	7	20.78	0.120
					15	0	20.66	0.116

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band26 (Part 22)	5 MHz	QPSK	26815	826.5	1	0	23.38	0.218
					1	12	23.28	0.213
					1	24	23.28	0.213
					12	0	22.48	0.177
					12	6	22.53	0.179
					12	13	22.32	0.171
					25	0	22.33	0.171
			26915	836.5	1	0	23.03	0.201
					1	12	22.85	0.193
					1	24	22.93	0.196
					12	0	21.83	0.152
					12	6	22.02	0.159
					12	13	21.84	0.153
					25	0	21.92	0.156
			27015	846.5	1	0	23.06	0.202
					1	12	22.97	0.198
					1	24	23.10	0.204
					12	0	21.96	0.157
					12	6	22.04	0.160
					12	13	22.00	0.158
					25	0	22.02	0.159
		16QAM	26815	826.5	1	0	22.51	0.178
					1	12	22.50	0.178
					1	24	22.37	0.173
					12	0	21.48	0.141
					12	6	21.48	0.141
					12	13	21.34	0.136
					25	0	21.35	0.136
			26915	836.5	1	0	22.48	0.177
					1	12	22.18	0.165
					1	24	22.49	0.177
					12	0	20.84	0.121
					12	6	21.01	0.126
					12	13	20.88	0.122
					25	0	20.90	0.123
			27015	846.5	1	0	22.46	0.176
					1	12	22.37	0.173
					1	24	22.59	0.182
					12	0	21.02	0.126
					12	6	21.08	0.128
					12	11	21.07	0.128
					25	0	21.06	0.128

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band26 (Part 22)	10 MHz	QPSK	26840	829.0	1	0	23.40	0.219
					1	24	23.23	0.210
					1	49	23.17	0.207
					25	0	22.30	0.170
					25	12	22.22	0.167
					25	25	22.11	0.163
			26915	836.5	50	0	22.24	0.167
					1	0	23.07	0.203
					1	24	22.97	0.198
					1	49	22.90	0.195
					25	0	21.97	0.157
					25	12	22.00	0.158
					25	25	21.87	0.154
					50	0	22.00	0.158
			26990	844.0	1	0	23.04	0.201
					1	24	23.09	0.204
					1	49	23.12	0.205
					25	0	22.00	0.158
					25	12	21.99	0.158
					25	25	22.05	0.160
					50	0	22.06	0.161
		16QAM	26840	829.0	1	0	22.46	0.176
					1	24	22.50	0.178
					1	49	22.32	0.171
					25	0	21.32	0.136
					25	12	21.23	0.133
					25	25	21.16	0.131
			26915	836.5	50	0	21.26	0.134
					1	0	22.34	0.171
					1	24	22.16	0.164
					1	49	22.07	0.161
					25	0	20.96	0.125
					25	12	21.03	0.127
					25	25	20.91	0.123
					50	0	20.99	0.126
			26990	844.0	1	0	22.21	0.166
					1	24	22.22	0.167
					1	49	22.31	0.170
					25	0	21.03	0.127
					25	12	20.97	0.125
					25	25	21.05	0.127
					50	0	21.00	0.126

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band26 (Part 22)	15 MHz	QPSK	26865	831.5	1	0	23.41	0.219
					1	37	23.29	0.213
					1	74	23.27	0.212
					36	0	22.22	0.167
					36	19	22.30	0.170
					36	39	22.03	0.160
			26915	836.5	75	0	22.29	0.169
					1	0	23.01	0.200
					1	37	22.87	0.194
					1	74	22.95	0.197
					36	0	21.73	0.149
					36	19	21.99	0.158
					36	39	21.80	0.151
					75	0	21.92	0.156
			26965	841.5	1	0	22.98	0.199
					1	37	22.96	0.198
					1	74	22.90	0.195
					36	0	21.89	0.155
					36	19	21.97	0.157
					36	39	21.95	0.157
					75	0	22.01	0.159
		16QAM	26865	831.5	1	0	22.54	0.179
					1	37	22.52	0.179
					1	74	22.23	0.167
					36	0	21.28	0.134
					36	19	21.31	0.135
					36	39	21.14	0.130
			26915	836.5	75	0	21.33	0.136
					1	0	22.26	0.168
					1	37	22.20	0.166
					1	74	22.11	0.163
					36	0	21.00	0.126
					36	19	20.98	0.125
					36	39	20.97	0.125
					75	0	20.94	0.124
			26965	841.5	1	0	22.42	0.175
					1	37	22.25	0.168
					1	74	21.99	0.158
					36	0	21.02	0.126
					36	19	21.01	0.126
					36	39	21.01	0.126
					75	0	21.08	0.128

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	5 MHz	QPSK	39675	2498.5	1	0	22.38	0.173
					1	12	22.45	0.176
					1	24	22.5	0.178
					12	0	21.39	0.138
					12	6	21.6	0.145
					12	13	21.54	0.143
					25	0	21.47	0.140
			40620	2593	1	0	22.49	0.177
					1	12	22.62	0.183
					1	24	22.67	0.185
					12	0	21.71	0.148
					12	6	21.74	0.149
					12	13	21.67	0.147
					25	0	21.69	0.148
			41565	2687.5	1	0	22.24	0.167
					1	12	22.11	0.163
					1	24	22.19	0.166
					12	0	21.56	0.143
					12	6	21.57	0.144
					12	13	21.47	0.140
					25	0	21.49	0.141
		16QAM	39675	2498.5	1	0	21.23	0.133
					1	12	21.38	0.137
					1	24	21.48	0.141
					12	0	20.14	0.103
					12	6	20.22	0.105
					12	13	20.18	0.104
					25	0	20.25	0.106
			40620	2593	1	0	21.82	0.152
					1	12	21.73	0.149
					1	24	21.82	0.152
					12	0	20.57	0.114
					12	6	20.56	0.114
					12	13	20.52	0.113
					25	0	20.45	0.111
			41565	2687.5	1	0	21.2	0.132
					1	12	21.08	0.128
					1	24	20.84	0.121
					12	0	20.34	0.108
					12	6	20.31	0.107
					12	11	20.23	0.105
					25	0	20.19	0.104



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	10 MHz	QPSK	39700	2501	1	0	22.15	0.164
					1	24	22.62	0.183
					1	49	22.44	0.175
					25	0	21.6	0.145
					25	12	21.59	0.144
					25	25	21.62	0.145
			40620	2593	50	0	21.57	0.144
					1	0	22.57	0.181
					1	24	22.65	0.184
					1	49	22.62	0.183
					25	0	21.56	0.143
					25	12	21.61	0.145
					25	25	21.63	0.146
					50	0	21.54	0.143
			41540	2685	1	0	21.94	0.156
					1	24	21.74	0.149
					1	49	21.76	0.150
					25	0	21.5	0.141
					25	12	21.36	0.137
					25	25	21.05	0.127
					50	0	21.26	0.134
		16QAM	39700	2501	1	0	21.24	0.133
					1	24	21.67	0.147
					1	49	21.44	0.139
					25	0	20.45	0.111
					25	12	20.46	0.111
					25	25	20.45	0.111
			40620	2593	50	0	20.37	0.109
					1	0	21.73	0.149
					1	24	21.77	0.150
					1	49	21.67	0.147
					25	0	20.43	0.110
					25	12	20.53	0.113
					25	25	20.55	0.114
					50	0	20.49	0.112
			41540	2685	1	0	21.15	0.130
					1	24	20.96	0.125
					1	49	20.53	0.113
					25	0	20.35	0.108
					25	12	20.22	0.105
					25	25	20.33	0.108
					50	0	20.17	0.104



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	15 MHz	QPSK	39725	2503.5	1	0	22.44	0.175
					1	37	22.63	0.183
					1	74	22.49	0.177
					36	0	21.59	0.144
					36	19	21.66	0.147
					36	39	21.59	0.144
			40620	2593	75	0	21.66	0.147
					1	0	22.4	0.174
					1	37	22.64	0.184
					1	74	22.49	0.177
					36	0	21.61	0.145
					36	19	21.63	0.146
					36	39	21.61	0.145
					75	0	21.57	0.144
			41515	2682.5	1	0	22.5	0.178
					1	37	21.86	0.153
					1	74	21.58	0.144
					36	0	21.46	0.140
					36	19	21.44	0.139
					36	39	21.22	0.132
					75	0	21.32	0.136
		16QAM	39725	2503.5	1	0	21.59	0.144
					1	37	21.63	0.146
					1	74	21.56	0.143
					36	0	20.54	0.113
					36	19	20.66	0.116
					36	39	20.55	0.114
			40620	2593	75	0	20.6	0.115
					1	0	21.77	0.150
					1	37	21.55	0.143
					1	74	21.6	0.145
					36	0	20.58	0.114
					36	19	20.65	0.116
					36	39	20.63	0.116
					75	0	20.58	0.114
			41515	2682.5	1	0	21.28	0.134
					1	37	21.12	0.129
					1	74	20.82	0.121
					36	0	20.44	0.111
					36	19	20.45	0.111
					36	39	20.41	0.110
					75	0	20.33	0.108



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	20 MHz	QPSK	39750	2506	1	0	22.52	0.179
					1	49	22.62	0.183
					1	99	22.16	0.164
					50	0	21.37	0.137
					50	25	21.45	0.140
					50	50	21.44	0.139
			40620	2593	100	0	21.35	0.136
					1	0	22.29	0.169
					1	49	22.39	0.173
					1	99	22.21	0.166
					50	0	21.52	0.142
					50	25	21.61	0.145
					50	50	21.51	0.142
					100	0	21.2	0.132
			41490	2680	1	0	22.12	0.163
					1	49	22.57	0.181
					1	99	22.08	0.161
					50	0	21.38	0.137
					50	25	21.3	0.135
					50	50	20.97	0.125
					100	0	21.06	0.128
		16QAM	39750	2506	1	0	21.57	0.144
					1	49	21.73	0.149
					1	99	21.38	0.137
					50	0	20.38	0.109
					50	25	20.58	0.114
					50	50	20.55	0.114
			40620	2593	100	0	20.48	0.112
					1	0	21.69	0.148
					1	49	21.75	0.150
					1	99	21.4	0.138
					50	0	20.5	0.112
					50	25	20.53	0.113
					50	50	20.41	0.110
					100	0	20.66	0.116
			41490	2680	1	0	21.28	0.134
					1	49	21.14	0.130
					1	99	21.2	0.132
					50	0	20.63	0.116
					50	25	20.48	0.112
					50	50	20.45	0.111
					100	0	20.47	0.111



Effective Radiated Power / Equivalent Isotropic Radiated Power

Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 M	QPSK	1750.0	H	15.29	8.24	23.53	0.225	< 1
			V	13.00	8.25	21.25	0.133	< 1

Radiated Emission

Standard:	Part 22H&24E&27	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	1750 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	4 G_BAND 4_10 M_QPSK_CH20350		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3500.000	-71.23	13.43	-57.80	-13.00	-44.80	peak
2	5250.000	-73.06	18.13	-54.93	-13.00	-41.93	peak

Standard:	Part 22H&24E&27	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	1750 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	4 G_BAND 4_10 M_QPSK_CH20350		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3500.000	-70.48	13.43	-57.05	-13.00	-44.05	peak
2	5250.000	-71.82	18.13	-53.69	-13.00	-40.69	peak



Standard:	Part 22H&24E&27	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	1750 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	4 G_BAND 4_10 M-16QAM_CH20350		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3500.000	-73.43	13.43	-60.00	-13.00	-47.00	peak
2	5250.000	-76.07	18.13	-57.94	-13.00	-44.94	peak

Standard:	Part 22H&24E&27	Test Distance:	3 m
Test item:	Harmonic	Power:	AC 120 V/60 Hz
Frequency:	1750 MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Mode:	4G_BAND 4_10 M-16QAM_CH20350		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3500.000	-72.55	13.43	-59.12	-13.00	-46.12	peak
2	5250.000	-73.71	18.13	-55.58	-13.00	-42.58	peak