



FCC

RF Test Report

Applicant : Shenzhen Tuge Information Limited Inc

Product Type : 4G Wireless Data Terminal

Trade Name : MASTER ROAM

Model Number : T3

Test Specification : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27
ANSI/TIA-603-D 2010

Receive Date : Mar. 18, 2017

Test Period : Mar. 29 ~ Apr. 11, 2017

Issue Date : May 22, 2017

Issue 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

Note: This report shall not be reproduced except in full, without the written approval of A Test Lab Techno Corp. This document may be altered or revised by A Test Lab Techno Corp. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, or any government agencies. The test results in the report only apply to the tested sample.



Revision History

Rev.	Issue Date	Revisions	Revised By
00	May 03, 2017	Initial Issue	Snow Wang
01	May 22, 2017	Revised report information.	Snow Wang



Verification of Compliance

Issued Date: May 22, 2017

Applicant : Shenzhen Tuge Information Limited Inc

Product Type : 4G Wireless Data Terminal

Trade Name : MASTER ROAM

Model Number : T3

FCC ID : 2AIC4-TGT3

EUT Rated Voltage : DC 5V, 1A

Test Voltage : 120 Vac / 60 Hz

Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27
ANSI/TIA-603-D 2010

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. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By

: Fly Lu

(Manager)

(Fly Lu)

Reviewed By

: Eric Ou Yang

(Testing Engineer)

(Eric Ou Yang)

TABLE OF CONTENTS

1	General Information	5
1.1.	EUT Description	5
1.2.	Mode of Operation.....	8
1.3.	EUT Exercise Software	15
1.4.	Configuration of Test System Details.....	15
1.5.	Test Site Environment	15
1.6.	Summary of Test Result	16
2	Conducted Output Average Power Test	17
3	Effective Radiated Power / Equivalent Isotropic Radiated Power Test	18
4	Frequency Stability Test.....	21
5	Emission Bandwidth & Occupied Bandwidth Test	23
6	Peak to Average Ratio Test.....	25
7	Band Edge Test	27
8	Conducted Spurious Emission Test	29
9	Radiated Emission Test.....	31
	Appendix A: Conducted Output Average Power	34
	Appendix B: Effective Radiated Power / Equivalent Isotropic Radiated Power.....	61
	Appendix C: Frequency Stability	66
	Appendix D: Emission Bandwidth & Occupied Bandwidth.....	85
	Appendix E: Peak to Average Ratio	145
	Appendix F: Band Edge	173
	Appendix G: Conducted Spurious Emission	225
	Appendix H: Radiated Emission.....	251



1 General Information

1.1. EUT Description

Applicant	Shenzhen Tuge Information Limited Inc Room 406,25 Building ,Nanshan Science Park west industrial area, Shenzhen, Guangdong Province,China		
Manufacturer	Shenzhen Tuge Information Limited Inc Room 406,25 Building ,Nanshan Science Park west industrial area, Shenzhen, Guangdong Province,China		
Product Type	4G Wireless Data Terminal		
Trade Name	MASTER ROAM		
Model Number	T3		
FCC ID	2AIC4-TGT3		
Module use	QUALCOMM, MSM8916		
IMEI No.	869666028463824		
Operate Band	Frequency Range (MHz)	Modulation	Channel Bandwidth
LTE Band 2	UL: 1850 ~ 1910	QPSK, 16QAM	1.4M, 3M, 5MHz, 10MHz, 15MHz, 20MHz
	DL: 1930 ~ 1990	QPSK, 16QAM	
LTE Band 4	UL: 1710 ~ 1755	QPSK, 16QAM	1.4M, 3M, 5MHz, 10MHz, 15MHz, 20MHz
	DL: 2110 ~ 2155	QPSK, 16QAM	
LTE Band 5	UL: 824 ~ 849	QPSK, 16QAM	1.4M, 3M, 5MHz, 10MHz
	DL: 869 ~ 894	QPSK, 16QAM	
LTE Band 7	UL: 2500 ~ 2570	QPSK, 16QAM	5MHz, 10MHz, 15MHz, 20MHz
	DL: 2620 ~ 2690	QPSK, 16QAM	
LTE Band 17	UL: 704 ~ 716	QPSK, 16QAM	5MHz, 10MHz
	DL: 734 ~ 746	QPSK, 16QAM	
LTE Band 41	UL/DL: 2498.5 ~ 2687.5	QPSK, 16QAM	5MHz, 10MHz, 15MHz, 20MHz
Type of Antenna	Internal Antenan		
Antenna Gain	LTE Band 2	-1.1 dBi	
	LTE Band 4	-1.1 dBi	
	LTE Band 5	-1.4 dBi	
	LTE Band 7	-1.3dBi	
	LTE Band 17	-1.4 dBi	
	LTE Band 41	-1.3dBi	



Band	Channel Bandwidth	Modulation	Average Power	E.R.P. /E.I.R.P.	
			(W)	(W)	
LTE Band2	1.4MHz	QPSK	0.226	0.231	(E.I.R.P.)
LTE Band2	1.4MHz	16QAM	0.191	0.136	(E.I.R.P.)
LTE Band2	3MHz	QPSK	0.219	0.229	(E.I.R.P.)
LTE Band2	3MHz	16QAM	0.181	0.131	(E.I.R.P.)
LTE Band2	5MHz	QPSK	0.222	0.230	(E.I.R.P.)
LTE Band2	5MHz	16QAM	0.183	0.142	(E.I.R.P.)
LTE Band2	10MHz	QPSK	0.230	0.224	(E.I.R.P.)
LTE Band2	10MHz	16QAM	0.182	0.146	(E.I.R.P.)
LTE Band2	15MHz	QPSK	0.221	0.226	(E.I.R.P.)
LTE Band2	15MHz	16QAM	0.182	0.145	(E.I.R.P.)
LTE Band2	20MHz	QPSK	0.212	0.219	(E.I.R.P.)
LTE Band2	20MHz	16QAM	0.169	0.138	(E.I.R.P.)
LTE Band4	1.4MHz	QPSK	0.214	0.220	(E.I.R.P.)
LTE Band4	1.4MHz	16QAM	0.184	0.140	(E.I.R.P.)
LTE Band4	3MHz	QPSK	0.214	0.225	(E.I.R.P.)
LTE Band4	3MHz	16QAM	0.185	0.141	(E.I.R.P.)
LTE Band4	5MHz	QPSK	0.209	0.226	(E.I.R.P.)
LTE Band4	5MHz	16QAM	0.174	0.145	(E.I.R.P.)
LTE Band4	10MHz	QPSK	0.212	0.231	(E.I.R.P.)
LTE Band4	10MHz	16QAM	0.171	0.140	(E.I.R.P.)
LTE Band4	15MHz	QPSK	0.211	0.223	(E.I.R.P.)
LTE Band4	15MHz	16QAM	0.166	0.145	(E.I.R.P.)
LTE Band4	20MHz	QPSK	0.212	0.224	(E.I.R.P.)
LTE Band4	20MHz	16QAM	0.164	0.146	(E.I.R.P.)
LTE Band5	1.4MHz	QPSK	0.197	0.212	(E.R.P.)
LTE Band5	1.4MHz	16QAM	0.168	0.151	(E.R.P.)
LTE Band5	3MHz	QPSK	0.195	0.230	(E.R.P.)
LTE Band5	3MHz	16QAM	0.151	0.142	(E.R.P.)
LTE Band5	5MHz	QPSK	0.196	0.236	(E.R.P.)
LTE Band5	5MHz	16QAM	0.156	0.139	(E.R.P.)
LTE Band5	10MHz	QPSK	0.201	0.233	(E.R.P.)
LTE Band5	10MHz	16QAM	0.150	0.143	(E.R.P.)
LTE Band7	5MHz	QPSK	0.191	0.230	(E.I.R.P.)
LTE Band7	5MHz	16QAM	0.145	0.131	(E.I.R.P.)
LTE Band7	10MHz	QPSK	0.193	0.218	(E.I.R.P.)
LTE Band7	10MHz	16QAM	0.165	0.141	(E.I.R.P.)
LTE Band7	15MHz	QPSK	0.187	0.221	(E.I.R.P.)
LTE Band7	15MHz	16QAM	0.148	0.142	(E.I.R.P.)
LTE Band7	20MHz	QPSK	0.195	0.212	(E.I.R.P.)
LTE Band7	20MHz	16QAM	0.149	0.137	(E.I.R.P.)
LTE Band17	5MHz	QPSK	0.197	0.242	(E.R.P.)
LTE Band17	5MHz	16QAM	0.173	0.141	(E.R.P.)
LTE Band17	10MHz	QPSK	0.198	0.218	(E.R.P.)
LTE Band17	10MHz	16QAM	0.160	0.135	(E.R.P.)
LTE Band41	5MHz	QPSK	0.197	0.221	(E.I.R.P.)
LTE Band41	5MHz	16QAM	0.161	0.137	(E.I.R.P.)
LTE Band41	10MHz	QPSK	0.197	0.227	(E.I.R.P.)
LTE Band41	10MHz	16QAM	0.164	0.141	(E.I.R.P.)
LTE Band41	15MHz	QPSK	0.198	0.225	(E.I.R.P.)
LTE Band41	15MHz	16QAM	0.166	0.143	(E.I.R.P.)
LTE Band41	20MHz	QPSK	0.198	0.218	(E.I.R.P.)
LTE Band41	20MHz	16QAM	0.164	0.138	(E.I.R.P.)

Frequency Band	Emission Designator			
	QPSK		16QAM	
LTE Band 2 (Channel Bandwidth 1.4MHz)	1.0873	1M09G7D	1.0866	1M09W7D
LTE Band 2 (Channel Bandwidth 3MHz)	2.6997	2M70G7D	2.6984	2M70W7D
LTE Band 2 (Channel Bandwidth 5MHz)	4.4922	4M49G7D	4.4996	4M50W7D
LTE Band 2 (Channel Bandwidth 10MHz)	8.9726	8M97G7D	8.9796	8M98W7D
LTE Band 2 (Channel Bandwidth 15MHz)	13.459	13M46G7D	13.446	13M45W7D
LTE Band 2 (Channel Bandwidth 20MHz)	17.930	17M93G7D	17.940	17M94W7D
LTE Band 4 (Channel Bandwidth 1.4MHz)	1.086	1M09G7D	1.0865	1M09W7D
LTE Band 4 (Channel Bandwidth 3MHz)	2.7045	2M70G7D	2.6973	2M70W7D
LTE Band 4 (Channel Bandwidth 5MHz)	4.4882	4M49G7D	4.5083	4M51W7D
LTE Band 4 (Channel Bandwidth 10MHz)	8.9811	8M98G7D	8.983	8M98W7D
LTE Band 4 (Channel Bandwidth 15MHz)	13.490	13M49G7D	13.472	13M47W7D
LTE Band 4 (Channel Bandwidth 20MHz)	17.956	17M96G7D	17.957	17M96W7D
LTE Band 5 (Channel Bandwidth 1.4MHz)	1.0871	1M09G7D	1.0869	1M09W7D
LTE Band 5 (Channel Bandwidth 3MHz)	2.7024	2M70G7D	2.7009	2M70W7D
LTE Band 5 (Channel Bandwidth 5MHz)	4.4897	4M49G7D	4.5116	4M51W7D
LTE Band 5 (Channel Bandwidth 10MHz)	8.971	8M97G7D	8.9777	8M98W7D
LTE Band 7 (Channel Bandwidth 5MHz)	4.4896	4M49G7D	4.5029	4M50W7D
LTE Band 7 (Channel Bandwidth 10MHz)	9.0342	9M03G7D	9.0445	9M04W7D
LTE Band 7 (Channel Bandwidth 15MHz)	13.477	13M48G7D	13.469	13M47W7D
LTE Band 7 (Channel Bandwidth 20MHz)	17.968	17M97G7D	17.973	17M97W7D
LTE Band 17 (Channel Bandwidth 5MHz)	4.4989	4M50G7D	4.5172	4M52W7D
LTE Band 17 (Channel Bandwidth 10MHz)	8.9146	8M91G7D	8.9256	8M93W7D
LTE Band 41 (Channel Bandwidth 5MHz)	4.4879	4M49G7D	4.5038	4M50W7D
LTE Band 41 (Channel Bandwidth 10MHz)	8.9546	8M95G7D	8.9679	8M97W7D
LTE Band 41 (Channel Bandwidth 15MHz)	13.465	13M47G7D	13.458	13M46W7D
LTE Band 41 (Channel Bandwidth 20MHz)	17.935	17M94G7D	17.93	17M93W7D

1.2. Mode of Operation

Three channels had been tested for each channel bandwidth.

LTE Band 2						
Channel Bandwidth	1.4MHz		3MHz		5MHz	
	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	10MHz		15MHz		20MHz	
	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	1.4MHz		3MHz		5MHz	
	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	10MHz		15MHz		20MHz	
	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

LTE Band 5				
Channel Bandwidth	1.4MHz		3MHz	
	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	5MHz		10MHz	
	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	5MHz		10MHz	
	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	15MHz		20MHz	
	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

LTE Band 17				
Channel Bandwidth	5MHz		10MHz	
	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

LTE Band 41				
Channel Bandwidth	5MHz		10MHz	
	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	15MHz		20MHz	
	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: 30MHz 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

Band	Channel Bandwidth	Test Modes	
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

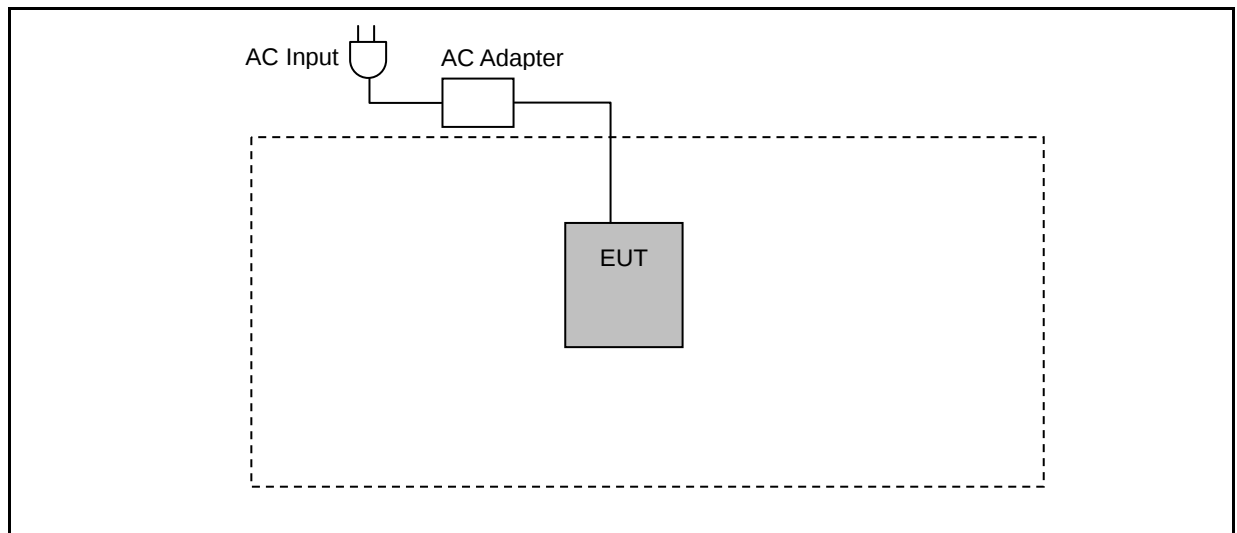
Band	Channel Bandwidth	Test Modes	
LTE Band 17	5 MHz	☐ LTE(RB Size 1, RB Offset 0) Link ☒ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	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 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 Exercise Software

1	Setup the EUT and Base Station (CMW500) as shown on 1.4.
2	Turn on the power of all equipment.
3	EUT run test program test.

1.4. Configuration of Test System Details



1.5. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950



1.6. Summary of Test Result

FCC Rule	IC Standards	Description	Result
§2.1046	---	Conducted Output Average Power	Pass
§22.913 §24.232 §27. 50 §27. 50	RSS-130, 4.4 RSS-132, 5.4 RSS-133, 6.4 RSS-139, 6.5 RSS-199, 4.4	Equivalent Isotropic Radiated Power / Equivalent Radiated Power	Pass
§2.1055 §22.355 §24.235 §27. 54	RSS-130, 4.3 RSS-132, 4.3 RSS-133, 6.3 RSS-139, 6.4 RSS-199, 4.3	Frequency Stability	Pass
§2.1049	RSS-Gen, 6.6	Emission Bandwidth & Occupied Bandwidth	Pass
§24.232 §27.50	RSS-130, 4.4 RSS-132, 5.4 RSS-133, 6.4 RSS-139, 6.5	Peak to average ratio	Pass
§2.1051 §22.917 §24.238 §27.53	RSS-130, 4.6 RSS-132, 5.5 RSS-133, 6.5 RSS-139, 6.6 RSS-199, 4.6	Band Edge	Pass
§2.1051 §22.917 §24.238 §27.53	RSS-130, 4.6 RSS-132, 5.5 RSS-133, 6.5 RSS-139, 6.6 RSS-199, 4.6	Conducted Spurious Emissions	Pass
§2.1053 §22.917 §24.238 §27.53	RSS-130, 4.6 RSS-132, 5.5 RSS-133, 6.5 RSS-139, 6.6 RSS-199, 4.6	Radiated Spurious Emissions	Pass

2 Conducted Output Average Power Test

■ Limit

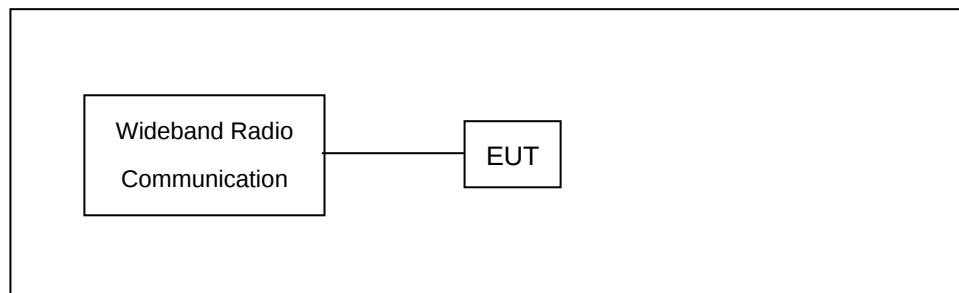
N/A

■ Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Wideband Radio Communication Tester	R & S	CMW500	103168	11/04/2016	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ Test Setup



■ Test Procedure

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



3 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(h)(2): Mobile stations are limited to 2.0 watts EIRP.

For FCC Part 22.913(a)(2): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(b): The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

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

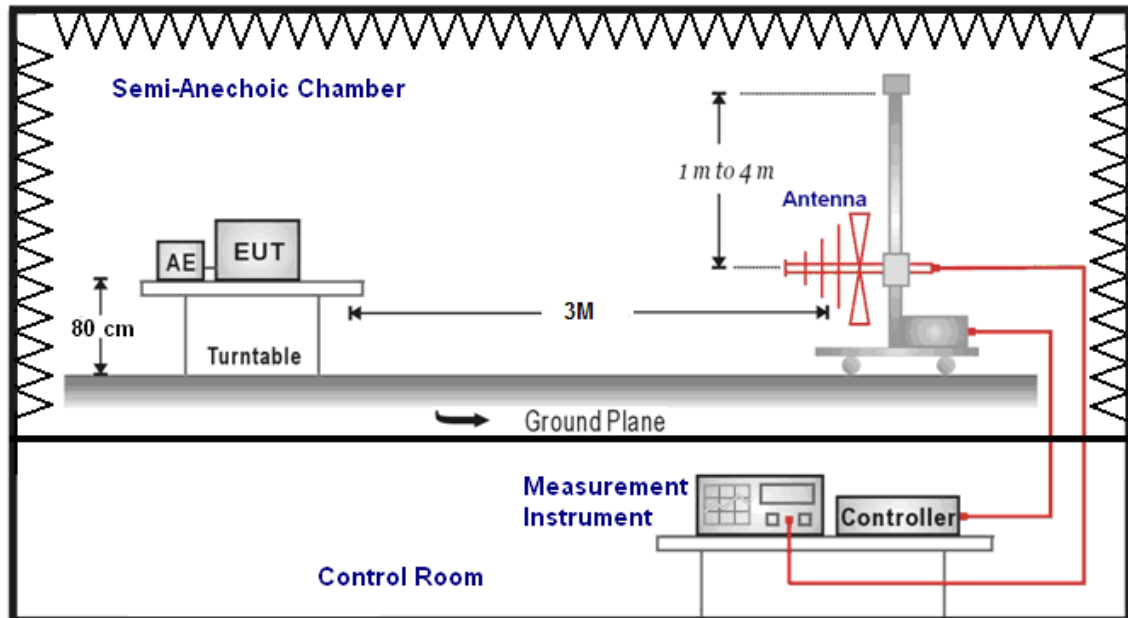
■ Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	03/30/2016	1 year
Spectrum Analyzer	Agilent	E4446A	MY46180578	03/30/2016	1 year
Pre Amplifier	Agilent	8449B	3008A02237	10/11/2016	1 year
Pre Amplifier	Agilent	8447D	2944A11119	01/12/2017	1 year
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	416	10/13/2016	1 year
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	419	11/03/2016	1 year
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/06/2016	1 year
Horn Antenna (18~40GHz)	ETS	3116	00086467	09/05/2016	1 year
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/18/2016	1 year
Microwave Cable	EMCI	EMC102-KM-KM-1 4000	151001	02/20/2017	1 year
Microwave Cable	EMCI	EMC-104-SM-SM-1 4000	140202	02/20/2017	1 year
Microwave Cable	EMCI	EMC104-SM-SM-6 00	140301	02/20/2017	1 year
Signal Generator	Agilent	E8257D	MY44320425	03/02/2017	1 year
Test Site	ATL	TE01	888001	08/29/2016	1 year

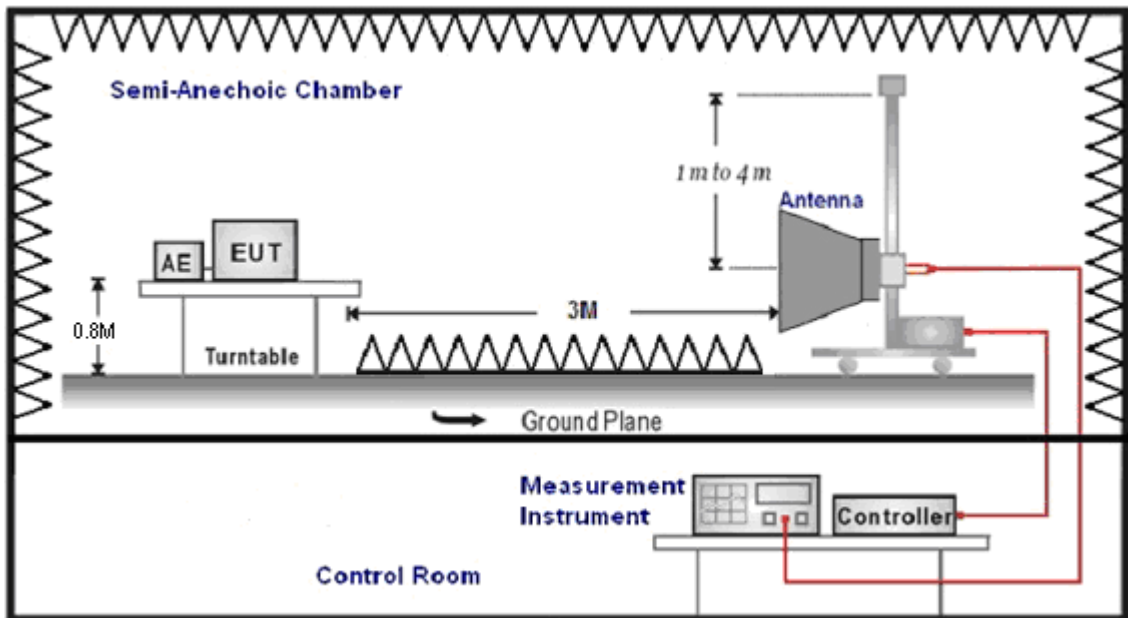
Note: N.C.R. = No Calibration Request.

■ Test Setup

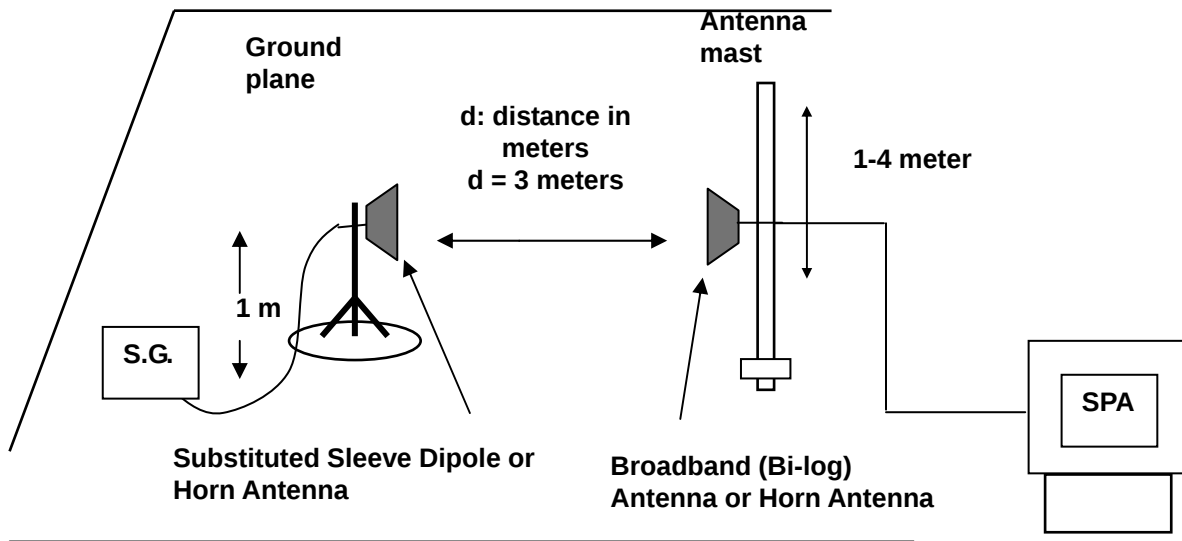
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

- The EUT was set up for the maximum power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RWB and VBW is 5MHz for LTE mode.
- E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m 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 1m to 4m 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.
- $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- $E.R.P. = E.I.R.P - 2.15 \text{ dB}$

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 ± 3.072 dB.

4 Frequency Stability Test

■ Limit

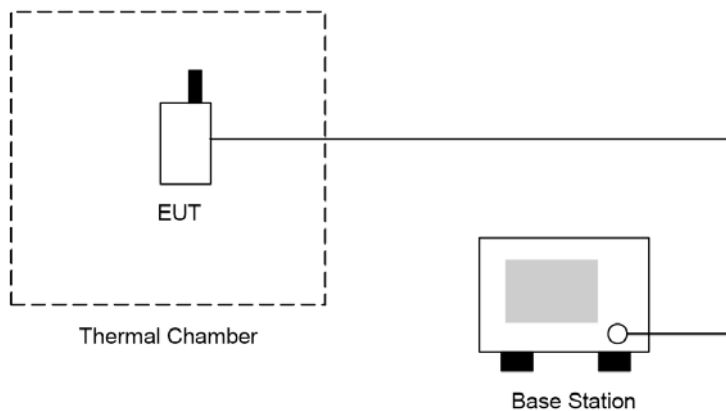
According to the FCC rule shall be tested the frequency stability. The rule is defined that” The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply 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.

■ Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Wideband Radio Communication Test	R & S	CMW500	103168	11/04/2016	1 year
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	04/18/2016	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ Setup





■ Test Procedure

The measurement is made according to FCC rules:

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 $25 \pm 5^{\circ}\text{C}$ 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.

■ Uncertainty

The measurement uncertainty is defined as for Frequency Stability measurement is $\pm 10\text{Hz}$.

5 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.

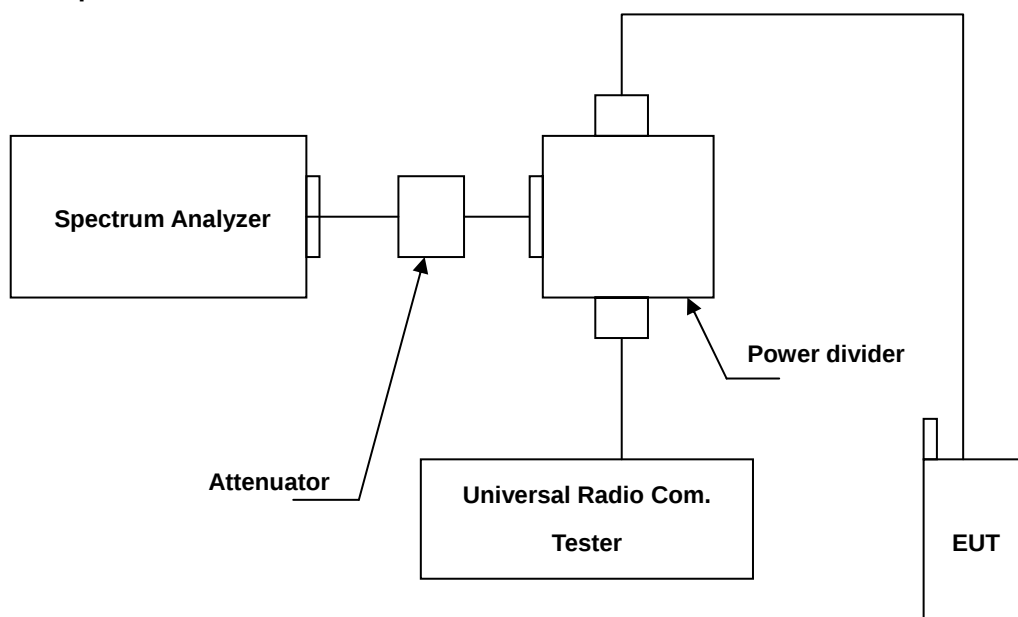
The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

■ Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/19/2016	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	11/04/2016	1 year
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ Setup





■ Test Procedure

The measurement is made according to FCC rules:

- a. The EUT makes a phone call to the communication simulator. The power was measured with R&S 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.

■ Uncertainty

The measurement uncertainty is defined as $\pm 10\text{Hz}$

b Peak to Average Ratio Test

■ Limit

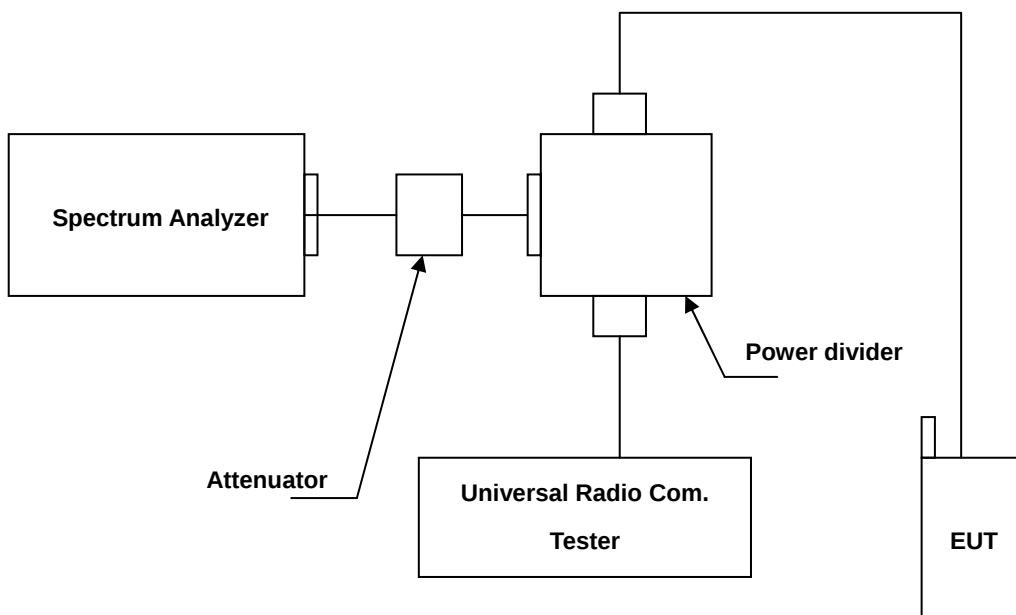
In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

■ Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/19/2016	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	11/04/2016	1 year
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ Setup





■ **Test Procedure**

The measurement is made according to FCC rules:

- 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%.

■ **Uncertainty**

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



7 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)

§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 $43 + 10\log_{10}(P)$ dB at the channel edge and $55 + 10\log_{10}(P)$ dB at 5.5 megahertz from the channel edges.

§90.691

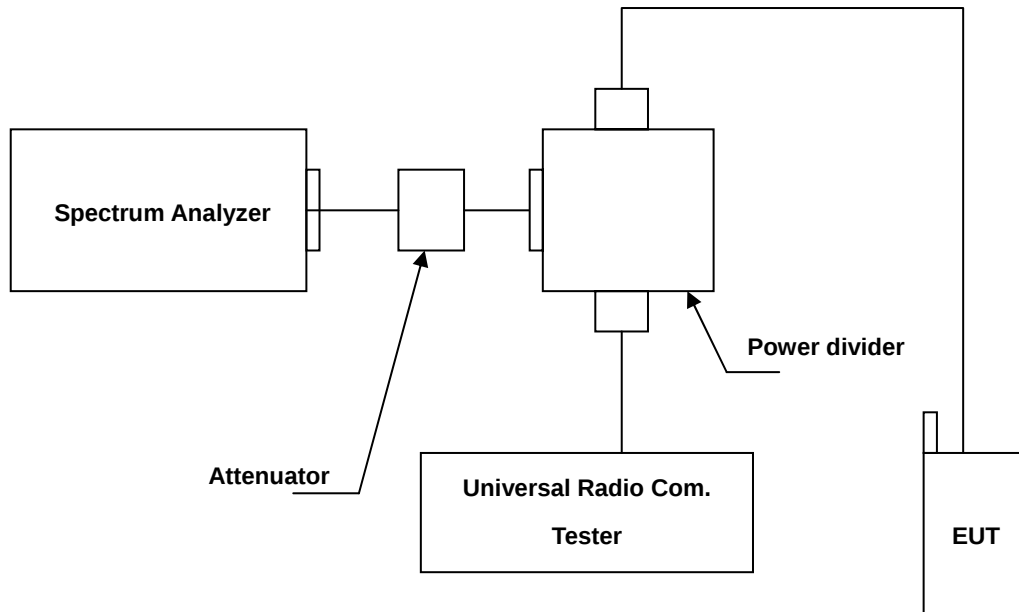
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $50 + 10\log_{10}(P[\text{Watts}])$ at Band Edge and for all out-of-band emissions within 37.5Khz of Block Edge.

■ Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/19/2016	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	11/04/2016	1 year
Attenuator	RADIAL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

■ Setup



■ Test Procedure

The measurement is made according to FCC rules:

- The EUT was set up for the maximum peak power with LTE/WCDMA link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.)
- 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.
- 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.
- Record the max trace plot into the test report.

■ Uncertainty

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

8 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 -13dBm

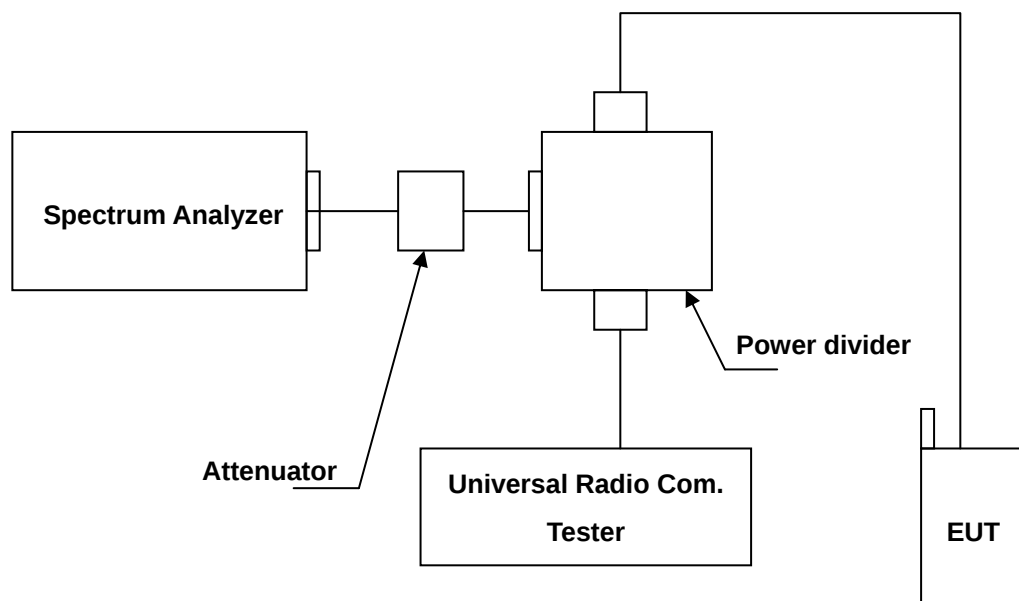
■ Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/19/2016	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	11/04/2016	1 year
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

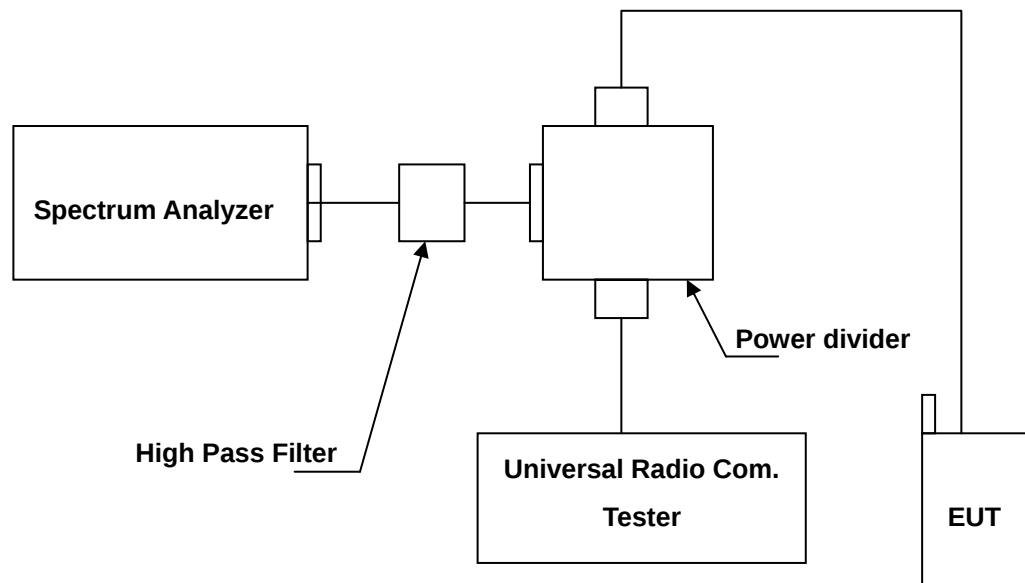
Note: N.C.R. = No Calibration Request.

■ Setup

Below 2.8GHz



Above 2.8GHz



■ Test Procedure

- The EUT was set up for the maximum peak power with LTE / WCDMA link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).
- The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- When the spectrum scanned from 10MHz to 2.5GHz (Band 7 and Band 41: scanned from 10MHz to 4GHz), it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.
- When the spectrum scanned from 2.5GHz to 10th harmonic (Band 7 and Band 41: scanned from 4GHz to 10th harmonic), it shall be connected to the high pass filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.

■ Uncertainty

The measurement uncertainty is evaluated as ± 2.24 dB.

9 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 -13dBm

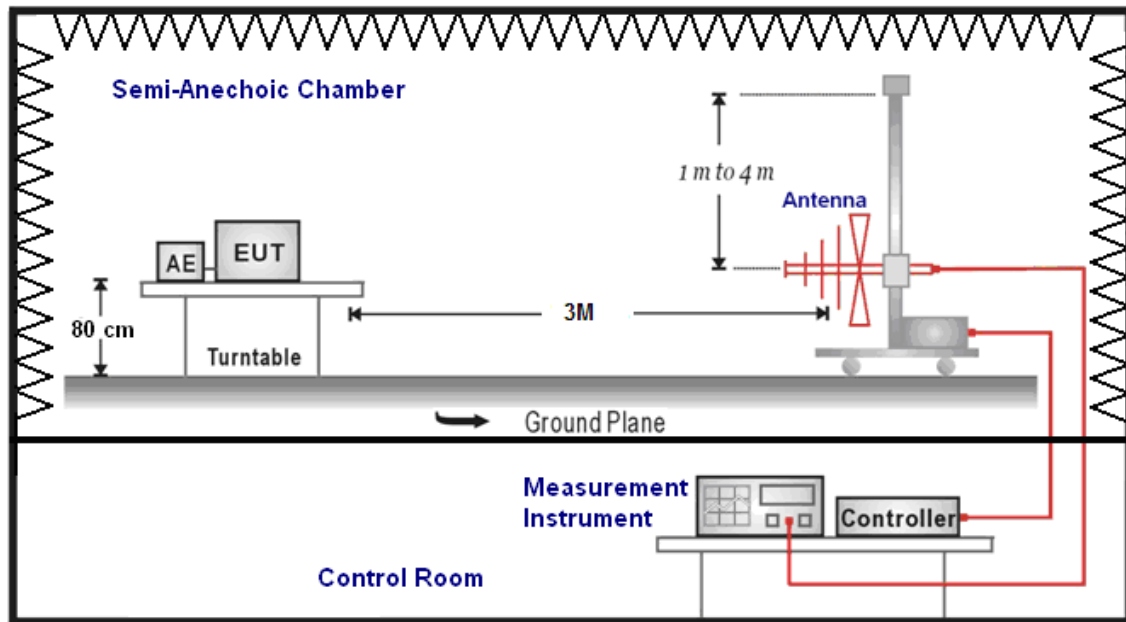
■ Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	03/30/2016	1 year
Spectrum Analyzer	Agilent	E4446A	MY46180578	03/30/2016	1 year
Pre Amplifier	Agilent	8449B	3008A02237	10/11/2016	1 year
Pre Amplifier	Agilent	8447D	2944A11119	01/12/2017	1 year
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	416	10/13/2016	1 year
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	419	11/03/2016	1 year
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/06/2016	1 year
Horn Antenna (18~40GHz)	ETS	3116	00086467	09/05/2016	1 year
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/18/2016	1 year
Microwave Cable	EMCI	EMC102-KM-KM-1 4000	151001	02/20/2017	1 year
Microwave Cable	EMCI	EMC-104-SM-SM-1 4000	140202	02/20/2017	1 year
Microwave Cable	EMCI	EMC104-SM-SM-6 00	140301	02/20/2017	1 year
Signal Generator	Agilent	E8257D	MY44320425	03/02/2017	1 year
Test Site	ATL	TE01	888001	08/29/2016	1 year

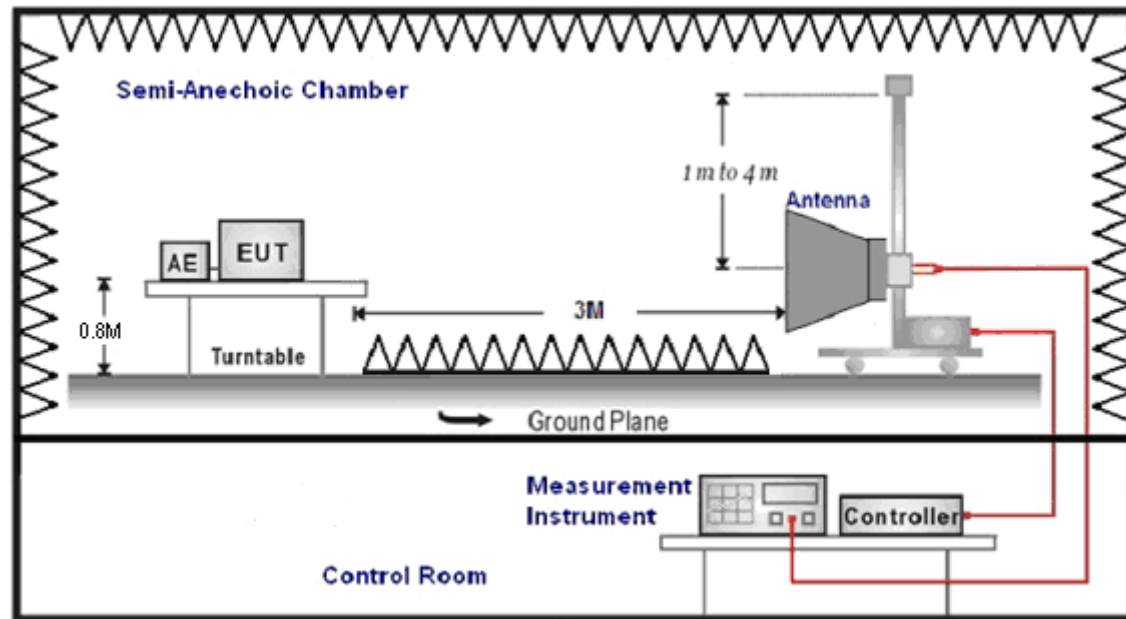
Note: N.C.R. = No Calibration Request.

■ Setup

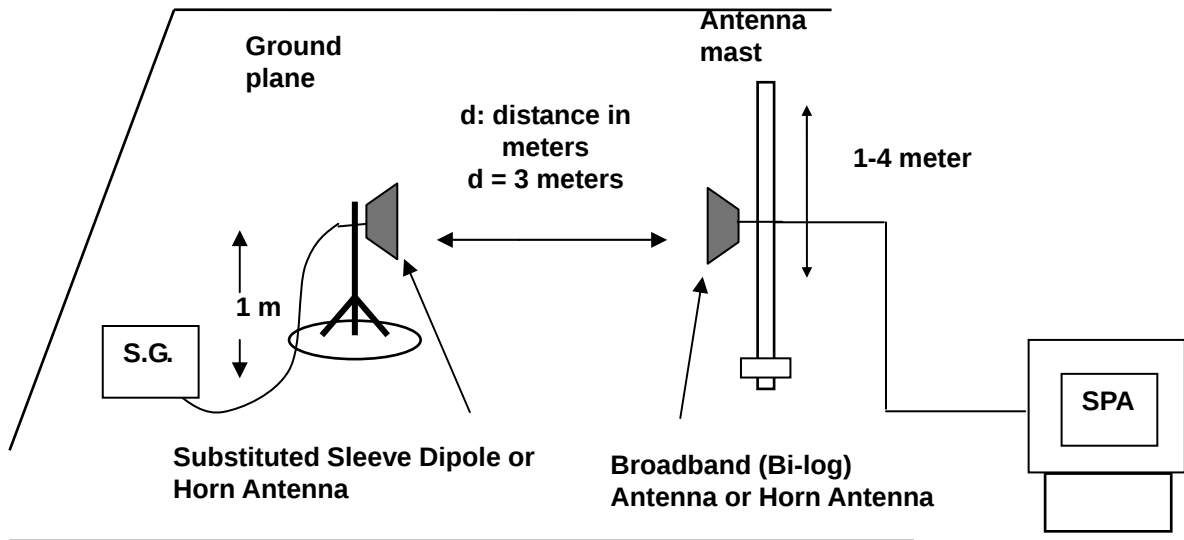
Below 1GHz



Above 1GHz



For Substituted Method Test Set-UP



■ Test Procedure

- The EUT was set up for the maximum power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RWB and VBW is 1MHz.
- Radiation Emission measurement. In the semi-anechoic chamber, EUT placed on the 0.8m 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 1m to 4m 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.
- $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$

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 $\pm 3.072 \text{ dB}$.



Appendix A: Conducted Output Average Power

RF Power setting in Test Software	Test Software Version
N/A, RF power setting was not able to alter during testing.	N/A, no test SW was used during testing.



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	1.4MHz	QPSK	18607	1850.7	1	0	22.63	0.183
					1	2	22.74	0.188
					1	5	22.79	0.190
					3	0	21.67	0.147
					3	1	21.73	0.149
					3	3	21.66	0.147
			18900	1880.0	6	0	21.71	0.148
					1	0	22.56	0.180
					1	2	22.62	0.183
					1	5	22.83	0.192
					3	0	21.83	0.152
					3	1	21.63	0.146
					3	3	21.59	0.144
					6	0	21.68	0.147
			19193	1909.3	1	0	23.04	0.201
					1	2	23.35	0.216
					1	5	23.54	0.226
					3	0	22.36	0.172
					3	1	22.41	0.174
					3	3	22.44	0.175
					6	0	22.36	0.172
		16QAM	18607	1850.7	1	0	21.94	0.156
					1	2	21.89	0.155
					1	5	21.93	0.156
					3	0	20.85	0.122
					3	1	20.66	0.116
					3	3	20.78	0.120
			18900	1880.0	6	0	20.81	0.121
					1	0	21.85	0.153
					1	2	21.70	0.148
					1	5	21.81	0.152
					3	0	20.76	0.119
					3	1	20.73	0.118
					3	3	20.64	0.116
					6	0	20.74	0.119
			19193	1909.3	1	0	22.47	0.177
					1	2	22.33	0.171
					1	5	22.80	0.191
					3	0	21.44	0.139
					3	1	21.48	0.141
					3	3	21.43	0.139
					6	0	21.46	0.140



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	3MHz	QPSK	18615	1851.5	1	0	22.05	0.160
					1	7	22.33	0.171
					1	14	22.46	0.176
					8	0	21.49	0.141
					8	3	21.45	0.140
					8	7	21.43	0.139
					15	0	21.66	0.147
			18900	1880.0	1	0	22.57	0.181
					1	7	22.54	0.179
					1	14	22.65	0.184
					8	0	21.46	0.140
					8	3	21.62	0.145
					8	7	21.59	0.144
					15	0	21.60	0.145
			19185	1908.5	1	0	22.96	0.198
					1	7	23.18	0.208
					1	14	23.41	0.219
					8	0	22.29	0.169
					8	3	22.33	0.171
					8	7	22.62	0.183
					15	0	22.18	0.165
		16QAM	18615	1851.5	1	0	21.73	0.149
					1	7	21.68	0.147
					1	14	21.66	0.147
					8	0	20.44	0.111
					8	3	20.35	0.108
					8	7	20.66	0.116
					15	0	20.60	0.115
			18900	1880.0	1	0	21.86	0.153
					1	7	22.03	0.160
					1	14	21.77	0.150
					8	0	20.61	0.115
					8	3	20.58	0.114
					8	7	20.53	0.113
					15	0	20.59	0.115
			19185	1908.5	1	0	22.21	0.166
					1	7	22.56	0.180
					1	14	22.58	0.181
					8	0	21.29	0.135
					8	3	21.06	0.128
					8	7	21.01	0.126
					15	0	21.29	0.135



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	5MHz	QPSK	18625	1852.5	1	0	22.21	0.166
					1	12	22.41	0.174
					1	24	22.69	0.186
					12	0	21.70	0.148
					12	6	21.64	0.146
					12	13	21.75	0.150
			18900	1880.0	25	0	21.51	0.142
					1	0	22.32	0.171
					1	12	22.51	0.178
					1	24	22.81	0.191
					12	0	21.38	0.137
					12	6	21.66	0.147
					12	13	21.59	0.144
					25	0	21.48	0.141
			19175	1907.5	1	0	23.10	0.204
					1	12	22.92	0.196
					1	24	23.47	0.222
					12	0	22.30	0.170
					12	6	22.16	0.164
					12	13	22.27	0.169
					25	0	22.25	0.168
		16QAM	18625	1852.5	1	0	21.46	0.140
					1	12	21.96	0.157
					1	24	21.97	0.157
					12	0	20.57	0.114
					12	6	20.56	0.114
					12	13	20.64	0.116
			18900	1880.0	25	0	20.86	0.122
					1	0	21.66	0.147
					1	12	21.79	0.151
					1	24	21.81	0.152
					12	0	20.55	0.114
					12	6	20.47	0.111
					12	13	20.59	0.115
					25	0	20.75	0.119
			19175	1907.5	1	0	22.63	0.183
					1	12	22.45	0.176
					1	24	22.54	0.179
					12	0	21.33	0.136
					12	6	21.01	0.126
					12	11	21.28	0.134
					25	0	21.11	0.129



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	10MHz	QPSK	18650	1855.0	1	0	22.54	0.179
					1	24	22.71	0.187
					1	49	22.74	0.188
					25	0	21.78	0.151
					25	12	21.67	0.147
					25	25	21.74	0.149
			18900	1880.0	50	0	21.79	0.151
					1	0	22.53	0.179
					1	24	22.50	0.178
					1	49	22.75	0.188
					25	0	21.46	0.140
					25	12	21.50	0.141
					25	25	21.47	0.140
					50	0	21.36	0.137
			19150	1905.0	1	0	22.98	0.199
					1	24	23.12	0.205
					1	49	23.62	0.230
					25	0	22.15	0.164
					25	12	22.17	0.165
					25	25	22.21	0.166
					50	0	22.24	0.167
		16QAM	18650	1855.0	1	0	21.64	0.146
					1	24	21.92	0.156
					1	49	21.67	0.147
					25	0	20.36	0.109
					25	12	20.80	0.120
					25	25	20.81	0.121
			18900	1880.0	50	0	20.65	0.116
					1	0	21.71	0.148
					1	24	21.77	0.150
					1	49	21.74	0.149
					25	0	20.52	0.113
					25	12	20.64	0.116
					25	25	20.75	0.119
			19150	1905.0	50	0	20.90	0.123
					1	0	22.29	0.169
					1	24	22.52	0.179
					1	49	22.60	0.182
					25	0	21.33	0.136
					25	12	21.26	0.134
					25	25	21.20	0.132
					50	0	21.26	0.134



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	15MHz	QPSK	18675	1857.5	1	0	22.50	0.178
					1	37	22.63	0.183
					1	74	22.70	0.186
					36	0	21.78	0.151
					36	19	21.83	0.152
					36	39	21.76	0.150
			18900	1880.0	75	0	21.68	0.147
					1	0	22.57	0.181
					1	37	22.45	0.176
					1	74	22.66	0.185
					36	0	21.53	0.142
					36	19	21.59	0.144
					36	39	21.52	0.142
					75	0	21.54	0.143
			19125	1902.5	1	0	22.82	0.191
					1	37	23.17	0.207
					1	74	23.45	0.221
					36	0	21.93	0.156
					36	19	22.14	0.164
					36	39	21.98	0.158
					75	0	22.03	0.160
		16QAM	18675	1857.5	1	0	21.79	0.151
					1	37	21.82	0.152
					1	74	21.55	0.143
					36	0	20.30	0.107
					36	19	20.76	0.119
					36	39	20.77	0.119
			18900	1880.0	75	0	20.68	0.117
					1	0	21.78	0.151
					1	37	21.66	0.147
					1	74	21.90	0.155
					36	0	20.41	0.110
					36	19	20.75	0.119
					36	39	20.71	0.118
					75	0	20.64	0.116
			19125	1902.5	1	0	21.95	0.157
					1	37	22.15	0.164
					1	74	22.61	0.182
					36	0	21.12	0.129
					36	19	21.16	0.131
					36	39	21.17	0.131
					75	0	21.17	0.131



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	20MHz	QPSK	18700	1860.0	1	0	22.53	0.179
					1	49	22.58	0.181
					1	99	22.31	0.170
					50	0	21.56	0.143
					50	25	21.65	0.146
					50	50	21.74	0.149
					100	0	21.76	0.150
			18900	1880.0	1	0	22.48	0.177
					1	49	22.49	0.177
					1	99	22.76	0.189
					50	0	21.38	0.137
					50	25	21.39	0.138
					50	50	21.68	0.147
					100	0	21.67	0.147
			19100	1900.0	1	0	22.84	0.192
					1	49	22.98	0.199
					1	99	23.27	0.212
					50	0	21.84	0.153
					50	25	22.06	0.161
					50	50	22.12	0.163
					100	0	21.94	0.156
		16QAM	18700	1860.0	1	0	21.78	0.151
					1	49	21.71	0.148
					1	99	21.70	0.148
					50	0	20.75	0.119
					50	25	20.58	0.114
					50	50	20.30	0.107
					100	0	20.43	0.110
			18900	1880.0	1	0	21.79	0.151
					1	49	21.73	0.149
					1	99	21.74	0.149
					50	0	20.47	0.111
					50	25	20.59	0.115
					50	50	20.75	0.119
					100	0	20.66	0.116
			19100	1900.0	1	0	21.87	0.154
					1	49	22.01	0.159
					1	99	22.27	0.169
					50	0	20.76	0.119
					50	25	21.03	0.127
					50	50	21.25	0.133
					100	0	21.06	0.128



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	1.4MHz	QPSK	19957	1710.7	1	0	23.19	0.208
					1	2	23.03	0.201
					1	5	23.25	0.211
					3	0	22.57	0.181
					3	1	22.28	0.169
					3	3	22.18	0.165
			20175	1732.5	6	0	22.34	0.171
					1	0	23.24	0.211
					1	2	23.07	0.203
					1	5	23.20	0.209
					3	0	22.35	0.172
					3	1	22.19	0.166
					3	3	22.07	0.161
					6	0	22.37	0.173
			20393	1754.3	1	0	23.17	0.207
					1	2	23.26	0.212
					1	5	23.31	0.214
					3	0	22.48	0.177
					3	1	22.47	0.177
					3	3	22.36	0.172
					6	0	22.35	0.172
		16QAM	19957	1710.7	1	0	22.55	0.180
					1	2	22.42	0.175
					1	5	22.39	0.173
					3	0	21.77	0.150
					3	1	21.63	0.146
					3	3	21.64	0.146
			20175	1732.5	6	0	21.59	0.144
					1	0	22.63	0.183
					1	2	22.65	0.184
					1	5	22.41	0.174
					3	0	21.30	0.135
					3	1	21.36	0.137
					3	3	21.23	0.133
			20393	1754.3	6	0	21.53	0.142
					1	0	22.55	0.180
					1	2	22.52	0.179
					1	5	22.58	0.181
					3	0	21.59	0.144
					3	1	21.61	0.145
					3	3	21.56	0.143
					6	0	21.54	0.143



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	3MHz	QPSK	19965	1711.5	1	0	23.25	0.211
					1	7	23.17	0.207
					1	14	23.04	0.201
					8	0	22.35	0.172
					8	3	22.48	0.177
					8	7	22.44	0.175
					15	0	22.40	0.174
			20175	1732.5	1	0	23.30	0.214
					1	7	23.28	0.213
					1	14	23.21	0.209
					8	0	22.36	0.172
					8	3	22.30	0.170
					8	7	22.29	0.169
					15	0	22.45	0.176
			20385	1753.5	1	0	23.10	0.204
					1	7	23.19	0.208
					1	14	23.23	0.210
					8	0	22.41	0.174
					8	3	22.40	0.174
					8	7	22.41	0.174
					15	0	22.36	0.172
		16QAM	19965	1711.5	1	0	22.54	0.179
					1	7	22.41	0.174
					1	14	22.29	0.169
					8	0	21.54	0.143
					8	3	21.55	0.143
					8	7	21.13	0.130
					15	0	21.38	0.137
			20175	1732.5	1	0	22.54	0.179
					1	7	22.56	0.180
					1	14	22.13	0.163
					8	0	21.49	0.141
					8	3	21.38	0.137
					8	7	21.25	0.133
					15	0	21.52	0.142
			20385	1753.5	1	0	22.68	0.185
					1	7	22.33	0.171
					1	14	22.39	0.173
					8	0	21.63	0.146
					8	3	21.34	0.136
					8	7	21.22	0.132
					15	0	21.41	0.138



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	5MHz	QPSK	19975	1712.5	1	0	23.16	0.207
					1	12	23.06	0.202
					1	24	23.06	0.202
					12	0	22.26	0.168
					12	6	22.26	0.168
					12	13	22.24	0.167
					25	0	22.25	0.168
			20175	1732.5	1	0	23.18	0.208
					1	12	23.13	0.206
					1	24	23.16	0.207
					12	0	22.27	0.169
					12	6	22.09	0.162
					12	13	22.26	0.168
					25	0	22.39	0.173
			20375	1752.5	1	0	23.20	0.209
					1	12	23.10	0.204
					1	24	23.21	0.209
					12	0	22.24	0.167
					12	6	22.33	0.171
					12	13	22.48	0.177
					25	0	22.38	0.173
		16QAM	19975	1712.5	1	0	22.36	0.172
					1	12	22.14	0.164
					1	24	22.40	0.174
					12	0	21.50	0.141
					12	6	21.39	0.138
					12	13	21.40	0.138
					25	0	21.27	0.134
			20175	1732.5	1	0	22.38	0.173
					1	12	22.23	0.167
					1	24	22.04	0.160
					12	0	21.36	0.137
					12	6	21.32	0.136
					12	13	21.31	0.135
					25	0	21.33	0.136
			20375	1752.5	1	0	22.14	0.164
					1	12	22.14	0.164
					1	24	22.27	0.169
					12	0	21.49	0.141
					12	6	21.37	0.137
					12	11	21.43	0.139
					25	0	21.37	0.137



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	10MHz	QPSK	20000	1715.0	1	0	23.10	0.204
					1	24	23.03	0.201
					1	49	23.27	0.212
					25	0	22.16	0.164
					25	12	22.19	0.166
					25	25	22.21	0.166
			20175	1732.5	50	0	22.18	0.165
					1	0	22.89	0.195
					1	24	23.11	0.205
					1	49	23.22	0.210
					25	0	22.20	0.166
					25	12	22.13	0.163
					25	25	22.22	0.167
					50	0	22.23	0.167
			20350	1750.0	1	0	22.92	0.196
					1	24	22.98	0.199
					1	49	23.21	0.209
					25	0	22.27	0.169
					25	12	22.44	0.175
					25	25	22.26	0.168
		16QAM	20000	1715.0	50	0	22.23	0.167
					1	0	22.23	0.167
					1	24	22.11	0.163
					1	49	22.20	0.166
					25	0	21.19	0.132
					25	12	21.24	0.133
			20175	1732.5	25	25	21.13	0.130
					50	0	21.16	0.131
					1	0	21.93	0.156
					1	24	22.09	0.162
					1	49	22.06	0.161
					25	0	21.14	0.130
			20350	1750.0	25	12	21.36	0.137
					25	25	21.33	0.136
					50	0	21.21	0.132
					1	0	22.21	0.166
					1	24	22.32	0.171
					1	49	22.22	0.167
					25	0	21.25	0.133
					25	12	21.32	0.136
					25	25	21.30	0.135
					50	0	21.45	0.140



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	15MHz	QPSK	20025	1717.5	1	0	23.08	0.203
					1	37	23.04	0.201
					1	74	23.01	0.200
					36	0	22.16	0.164
					36	19	22.17	0.165
					36	39	22.25	0.168
					75	0	22.26	0.168
			20175	1732.5	1	0	23.14	0.206
					1	37	23.25	0.211
					1	74	23.24	0.211
					36	0	22.09	0.162
					36	19	22.19	0.166
					36	39	22.24	0.167
					75	0	22.18	0.165
			20325	1747.5	1	0	23.08	0.203
					1	37	23.10	0.204
					1	74	23.06	0.202
					36	0	22.12	0.163
					36	19	22.21	0.166
					36	39	22.28	0.169
					75	0	22.29	0.169
		16QAM	20025	1717.5	1	0	22.14	0.164
					1	37	22.04	0.160
					1	74	22.19	0.166
					36	0	21.22	0.132
					36	19	21.14	0.130
					36	39	21.22	0.132
					75	0	21.05	0.127
			20175	1732.5	1	0	22.03	0.160
					1	37	21.99	0.158
					1	74	22.10	0.162
					36	0	21.28	0.134
					36	19	21.33	0.136
					36	39	21.11	0.129
					75	0	20.91	0.123
			20325	1747.5	1	0	21.92	0.156
					1	37	22.03	0.160
					1	74	22.01	0.159
					36	0	21.02	0.126
					36	19	21.22	0.132
					36	39	21.31	0.135
					75	0	21.44	0.139



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	20MHz	QPSK	20050	1720.0	1	0	23.19	0.208
					1	49	23.21	0.209
					1	99	23.20	0.209
					50	0	22.28	0.169
					50	25	22.29	0.169
					50	50	22.11	0.163
					100	0	22.11	0.163
			20175	1732.5	1	0	23.14	0.206
					1	49	23.17	0.207
					1	99	23.23	0.210
					50	0	22.17	0.165
					50	25	22.26	0.168
					50	50	22.09	0.162
					100	0	22.06	0.161
			20300	1745.0	1	0	23.26	0.212
					1	49	23.08	0.203
					1	99	23.05	0.202
					50	0	22.16	0.164
					50	25	22.16	0.164
					50	50	22.37	0.173
					100	0	22.31	0.170
		16QAM	20050	1720.0	1	0	22.15	0.164
					1	49	22.07	0.161
					1	99	21.92	0.156
					50	0	21.23	0.133
					50	25	21.25	0.133
					50	50	21.18	0.131
					100	0	21.19	0.132
			20175	1732.5	1	0	21.97	0.157
					1	49	22.07	0.161
					1	99	21.92	0.156
					50	0	21.14	0.130
					50	25	21.31	0.135
					50	50	21.13	0.130
					100	0	21.29	0.135
			20300	1745.0	1	0	22.01	0.159
					1	49	21.89	0.155
					1	99	22.03	0.160
					50	0	21.15	0.130
					50	25	21.17	0.131
					50	50	21.31	0.135
					100	0	21.22	0.132



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	1.4MHz	QPSK	20407	824.7	1	0	22.25	0.168
					1	2	22.45	0.176
					1	5	22.58	0.181
					3	0	22.61	0.182
					3	1	22.69	0.186
					3	3	22.83	0.192
			20525	836.5	6	0	21.98	0.158
					1	0	22.68	0.185
					1	2	22.70	0.186
					1	5	22.73	0.187
					3	0	22.78	0.190
					3	1	22.93	0.196
					3	3	22.94	0.197
					6	0	22.15	0.164
			20643	848.3	1	0	22.59	0.182
					1	2	22.57	0.181
					1	5	22.80	0.191
					3	0	22.78	0.190
					3	1	22.53	0.179
					3	3	22.50	0.178
					6	0	21.63	0.146
		16QAM	20407	824.7	1	0	21.60	0.145
					1	2	21.65	0.146
					1	5	21.64	0.146
					3	0	21.84	0.153
					3	1	21.67	0.147
					3	3	21.75	0.150
			20525	836.5	6	0	20.83	0.121
					1	0	21.88	0.154
					1	2	22.21	0.166
					1	5	21.82	0.152
					3	0	21.89	0.155
					3	1	22.26	0.168
					3	3	21.79	0.151
					6	0	20.92	0.124
			20643	848.3	1	0	21.78	0.151
					1	2	21.72	0.149
					1	5	21.76	0.150
					3	0	21.49	0.141
					3	1	21.30	0.135
					3	3	21.79	0.151
					6	0	20.70	0.117



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	3MHz	QPSK	20415	825.5	1	0	22.74	0.188
					1	7	22.61	0.182
					1	14	22.73	0.187
					8	0	21.71	0.148
					8	3	21.91	0.155
					8	7	21.99	0.158
					15	0	21.57	0.144
			20525	836.5	1	0	22.60	0.182
					1	7	22.69	0.186
					1	14	22.91	0.195
					8	0	21.92	0.156
					8	3	22.30	0.170
					8	7	22.18	0.165
					15	0	21.94	0.156
			20635	847.5	1	0	22.59	0.182
					1	7	22.44	0.175
					1	14	22.66	0.185
					8	0	21.63	0.146
					8	3	21.55	0.143
					8	7	21.55	0.143
					15	0	21.54	0.143
		16QAM	20415	825.5	1	0	21.33	0.136
					1	7	21.48	0.141
					1	14	21.41	0.138
					8	0	20.84	0.121
					8	3	20.69	0.117
					8	7	20.84	0.121
					15	0	21.09	0.129
			20525	836.5	1	0	21.75	0.150
					1	7	21.78	0.151
					1	14	21.55	0.143
					8	0	20.97	0.125
					8	3	21.36	0.137
					8	7	21.39	0.138
					15	0	21.40	0.138
			20635	847.5	1	0	21.58	0.144
					1	7	21.30	0.135
					1	14	21.31	0.135
					8	0	20.69	0.117
					8	3	20.91	0.123
					8	7	20.72	0.118
					15	0	20.65	0.116



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	5MHz	QPSK	20425	826.5	1	0	22.64	0.184
					1	12	22.52	0.179
					1	24	22.60	0.182
					12	0	21.65	0.146
					12	6	21.63	0.146
					12	13	21.62	0.145
					25	0	21.43	0.139
			20525	836.5	1	0	22.93	0.196
					1	12	22.86	0.193
					1	24	22.74	0.188
					12	0	21.78	0.151
					12	6	22.16	0.164
					12	13	22.03	0.160
					25	0	22.12	0.163
			20625	846.5	1	0	22.55	0.180
					1	12	22.63	0.183
					1	24	22.71	0.187
					12	0	21.57	0.144
					12	6	21.74	0.149
					12	13	21.74	0.149
					25	0	21.57	0.144
		16QAM	20425	826.5	1	0	21.49	0.141
					1	12	21.50	0.141
					1	24	21.92	0.156
					12	0	21.17	0.131
					12	6	21.05	0.127
					12	13	20.78	0.120
					25	0	20.57	0.114
			20525	836.5	1	0	21.69	0.148
					1	12	21.51	0.142
					1	24	21.44	0.139
					12	0	20.87	0.122
					12	6	21.42	0.139
					12	13	21.46	0.140
					25	0	21.24	0.133
			20625	846.5	1	0	21.24	0.133
					1	12	21.20	0.132
					1	24	21.44	0.139
					12	0	20.84	0.121
					12	6	20.84	0.121
					12	11	20.82	0.121
					25	0	20.90	0.123



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	10MHz	QPSK	20450	829.0	1	0	23.03	0.201
					1	24	22.95	0.197
					1	49	22.99	0.199
					25	0	21.81	0.152
					25	12	21.63	0.146
					25	25	22.05	0.160
			20525	836.5	50	0	21.84	0.153
					1	0	22.74	0.188
					1	24	22.63	0.183
					1	49	22.88	0.194
					25	0	21.90	0.155
					25	12	21.90	0.155
					25	25	21.80	0.151
					50	0	21.74	0.149
			20600	844.0	1	0	22.57	0.181
					1	24	22.23	0.167
					1	49	22.45	0.176
					25	0	21.53	0.142
					25	12	21.47	0.140
					25	25	21.80	0.151
					50	0	21.80	0.151
		16QAM	20450	829.0	1	0	21.68	0.147
					1	24	21.73	0.149
					1	49	21.69	0.148
					25	0	20.88	0.122
					25	12	21.12	0.129
					25	25	21.27	0.134
			20525	836.5	50	0	21.28	0.134
					1	0	21.77	0.150
					1	24	21.63	0.146
					1	49	21.44	0.139
					25	0	21.05	0.127
					25	12	21.34	0.136
					25	25	21.34	0.136
			20600	844.0	50	0	21.19	0.132
					1	0	21.34	0.136
					1	24	21.30	0.135
					1	49	21.20	0.132
					25	0	20.59	0.115
					25	12	20.69	0.117
					25	25	20.57	0.114
					50	0	20.57	0.114



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	5MHz	QPSK	20775	2502.5	1	0	22.71	0.187
					1	12	22.57	0.181
					1	24	22.68	0.185
					12	0	21.72	0.149
					12	6	21.70	0.148
					12	13	21.67	0.147
			21100	2535.0	25	0	21.68	0.147
					1	0	22.70	0.186
					1	12	22.80	0.191
					1	24	22.76	0.189
					12	0	21.68	0.147
					12	6	21.74	0.149
					12	13	21.73	0.149
					25	0	21.62	0.145
			21425	2567.5	1	0	22.31	0.170
					1	12	22.18	0.165
					1	24	22.37	0.173
					12	0	21.43	0.139
					12	6	21.49	0.141
					12	13	21.42	0.139
		16QAM	20775	2502.5	25	0	21.27	0.134
					1	0	21.42	0.139
					1	12	21.37	0.137
					1	24	21.32	0.136
					12	0	20.91	0.123
					12	6	20.88	0.122
			21100	2535.0	12	13	20.85	0.122
					25	0	20.74	0.119
					1	0	21.56	0.143
					1	12	21.55	0.143
					1	24	21.60	0.145
					12	0	20.81	0.121
					12	6	20.88	0.122
					12	13	20.88	0.122
					25	0	20.78	0.120
			21425	2567.5	1	0	21.05	0.127
					1	12	20.95	0.124
					1	24	21.13	0.130
					12	0	20.57	0.114
					12	6	20.45	0.111
					12	11	20.33	0.108
					25	0	20.44	0.111



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	10MHz	QPSK	20800	2505.0	1	0	22.68	0.185
					1	24	22.60	0.182
					1	49	22.73	0.187
					25	0	21.64	0.146
					25	12	21.63	0.146
					25	25	21.67	0.147
			21100	2535.0	50	0	21.55	0.143
					1	0	22.53	0.179
					1	24	22.56	0.180
					1	49	22.85	0.193
					25	0	21.63	0.146
					25	12	21.62	0.145
					25	25	21.68	0.147
					50	0	21.50	0.141
			21400	2565.0	1	0	22.33	0.171
					1	24	22.33	0.171
					1	49	22.37	0.173
					25	0	21.43	0.139
					25	12	21.52	0.142
					25	25	21.41	0.138
					50	0	21.35	0.136
		16QAM	20800	2505.0	1	0	21.63	0.146
					1	24	21.53	0.142
					1	49	22.18	0.165
					25	0	20.83	0.121
					25	12	20.75	0.119
					25	25	20.88	0.122
			21100	2535.0	50	0	20.70	0.117
					1	0	21.46	0.140
					1	24	21.49	0.141
					1	49	21.70	0.148
					25	0	20.84	0.121
					25	12	20.78	0.120
					25	25	20.84	0.121
			21400	2565.0	50	0	20.60	0.115
					1	0	21.20	0.132
					1	24	21.37	0.137
					1	49	21.25	0.133
					25	0	20.47	0.111
					25	12	20.77	0.119
					25	25	20.56	0.114
					50	0	20.19	0.104



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	15MHz	QPSK	20825	2507.5	1	0	22.50	0.178
					1	37	22.60	0.182
					1	74	22.71	0.187
					36	0	21.65	0.146
					36	19	21.74	0.149
					36	39	21.75	0.150
			21100	2535.0	75	0	21.72	0.149
					1	0	22.56	0.180
					1	37	22.55	0.180
					1	74	22.63	0.183
					36	0	21.62	0.145
					36	19	21.77	0.150
					36	39	21.92	0.156
					75	0	21.74	0.149
			21375	2562.5	1	0	22.36	0.172
					1	37	22.18	0.165
					1	74	22.29	0.169
					36	0	21.37	0.137
					36	19	21.43	0.139
					36	39	21.50	0.141
					75	0	21.43	0.139
		16QAM	20825	2507.5	1	0	21.55	0.143
					1	37	21.53	0.142
					1	74	21.56	0.143
					36	0	20.66	0.116
					36	19	20.81	0.121
					36	39	20.72	0.118
			21100	2535.0	75	0	20.75	0.119
					1	0	21.52	0.142
					1	37	21.57	0.144
					1	74	21.71	0.148
					36	0	20.72	0.118
					36	19	20.68	0.117
					36	39	20.85	0.122
					75	0	20.64	0.116
			21375	2562.5	1	0	21.48	0.141
					1	37	21.40	0.138
					1	74	21.27	0.134
					36	0	20.30	0.107
					36	19	20.52	0.113
					36	39	20.41	0.110
					75	0	20.21	0.105



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	20MHz	QPSK	20850	2510.0	1	0	22.71	0.187
					1	49	22.78	0.190
					1	99	22.89	0.195
					50	0	21.73	0.149
					50	25	21.72	0.149
					50	50	21.89	0.155
					100	0	21.74	0.149
			21100	2535.0	1	0	22.71	0.187
					1	49	22.74	0.188
					1	99	22.86	0.193
					50	0	21.70	0.148
					50	25	21.67	0.147
					50	50	21.70	0.148
					100	0	21.58	0.144
			21350	2560.0	1	0	22.43	0.175
					1	49	22.59	0.182
					1	99	22.43	0.175
					50	0	21.49	0.141
					50	25	21.48	0.141
					50	50	21.38	0.137
					100	0	21.53	0.142
		16QAM	20850	2510.0	1	0	21.43	0.139
					1	49	21.58	0.144
					1	99	21.73	0.149
					50	0	20.77	0.119
					50	25	20.85	0.122
					50	50	20.92	0.124
					100	0	20.83	0.121
			21100	2535.0	1	0	21.56	0.143
					1	49	21.58	0.144
					1	99	21.71	0.148
					50	0	20.57	0.114
					50	25	20.57	0.114
					50	50	20.85	0.122
					100	0	20.85	0.122
			21350	2560.0	1	0	21.40	0.138
					1	49	21.46	0.140
					1	99	21.24	0.133
					50	0	20.44	0.111
					50	25	20.55	0.114
					50	50	20.36	0.109
					100	0	20.48	0.112



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band17	5MHz	QPSK	23755	706.5	1	0	22.18	0.165
					1	12	22.46	0.176
					1	24	22.93	0.196
					12	0	21.96	0.157
					12	6	21.83	0.152
					12	13	21.82	0.152
					25	0	21.91	0.155
			23790	710.0	1	0	22.38	0.173
					1	12	22.32	0.171
					1	24	22.65	0.184
					12	0	21.60	0.145
					12	6	21.81	0.152
					12	13	21.90	0.155
					25	0	21.79	0.151
			23825	713.5	1	0	22.90	0.195
					1	12	22.95	0.197
					1	24	22.63	0.183
					12	0	21.74	0.149
					12	6	21.86	0.153
					12	13	21.88	0.154
					25	0	21.90	0.155
		16QAM	23755	706.5	1	0	21.73	0.149
					1	12	21.60	0.145
					1	24	22.39	0.173
					12	0	21.08	0.128
					12	6	20.85	0.122
					12	13	20.74	0.119
					25	0	20.60	0.115
			23790	710.0	1	0	21.76	0.150
					1	12	21.90	0.155
					1	24	22.15	0.164
					12	0	20.95	0.124
					12	6	20.76	0.119
					12	13	20.84	0.121
					25	0	20.88	0.122
			23825	713.5	1	0	21.93	0.156
					1	12	22.08	0.161
					1	24	21.97	0.157
					12	0	21.09	0.129
					12	6	21.02	0.126
					12	11	20.93	0.124
					25	0	20.89	0.123



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band17	10MHz	QPSK	23780	709.0	1	0	21.95	0.157
					1	24	21.99	0.158
					1	49	22.93	0.196
					25	0	21.41	0.138
					25	12	21.14	0.130
					25	25	21.79	0.151
			23790	710.0	50	0	21.67	0.147
					1	0	22.62	0.183
					1	24	22.44	0.175
					1	49	22.97	0.198
					25	0	21.63	0.146
					25	12	21.59	0.144
					25	25	21.72	0.149
					50	0	21.82	0.152
			23800	711.0	1	0	22.39	0.173
					1	24	22.60	0.182
					1	49	22.39	0.173
					25	0	21.44	0.139
					25	12	21.76	0.150
					25	25	21.80	0.151
					50	0	21.80	0.151
		16QAM	23780	709.0	1	0	21.83	0.152
					1	24	22.03	0.160
					1	49	21.97	0.157
					25	0	20.65	0.116
					25	12	20.77	0.119
					25	25	20.85	0.122
			23790	710.0	50	0	20.66	0.116
					1	0	21.99	0.158
					1	24	21.87	0.154
					1	49	21.90	0.155
					25	0	20.54	0.113
					25	12	20.19	0.104
					25	25	20.29	0.107
			23800	711.0	50	0	20.34	0.108
					1	0	21.77	0.150
					1	24	22.02	0.159
					1	49	21.49	0.141
					25	0	20.21	0.105
					25	12	20.84	0.121
					25	25	20.89	0.123
					50	0	20.43	0.110



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	5MHz	QPSK	39675	2498.5	1	0	22.95	0.197
					1	12	22.92	0.196
					1	24	22.82	0.191
					12	0	22.03	0.160
					12	6	22.09	0.162
					12	13	21.92	0.156
			40620	2593.0	25	0	22.06	0.161
					1	0	22.80	0.191
					1	12	22.77	0.189
					1	24	22.70	0.186
					12	0	21.81	0.152
					12	6	21.80	0.151
					12	13	21.86	0.153
					25	0	21.80	0.151
			41565	2687.5	1	0	22.86	0.193
					1	12	22.75	0.188
					1	24	22.70	0.186
					12	0	21.92	0.156
					12	6	21.95	0.157
					12	13	21.73	0.149
					25	0	21.73	0.149
		16QAM	39675	2498.5	1	0	21.96	0.157
					1	12	21.84	0.153
					1	24	22.07	0.161
					12	0	20.88	0.122
					12	6	20.95	0.124
					12	13	20.95	0.124
			40620	2593.0	25	0	20.96	0.125
					1	0	21.88	0.154
					1	12	21.69	0.148
					1	24	21.64	0.146
					12	0	21.01	0.126
					12	6	20.94	0.124
					12	13	20.88	0.122
					25	0	20.80	0.120
			41565	2687.5	1	0	21.92	0.156
					1	12	21.83	0.152
					1	24	21.82	0.152
					12	0	20.91	0.123
					12	6	20.85	0.122
					12	11	20.72	0.118
					25	0	20.88	0.122



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	10MHz	QPSK	39700	2501.0	1	0	22.94	0.197
					1	24	22.54	0.179
					1	49	22.46	0.176
					25	0	21.89	0.155
					25	12	21.93	0.156
					25	25	21.83	0.152
			40620	2593.0	50	0	21.87	0.154
					1	0	22.78	0.190
					1	24	22.55	0.180
					1	49	22.49	0.177
					25	0	21.61	0.145
					25	12	21.67	0.147
					25	25	21.60	0.145
					50	0	21.67	0.147
			41540	2685.0	1	0	22.56	0.180
					1	24	22.51	0.178
					1	49	22.53	0.179
					25	0	21.78	0.151
					25	12	21.58	0.144
					25	25	21.70	0.148
					50	0	21.66	0.147
		16QAM	39700	2501.0	1	0	22.14	0.164
					1	24	21.81	0.152
					1	49	21.97	0.157
					25	0	20.89	0.123
					25	12	20.83	0.121
					25	25	20.89	0.123
			40620	2593.0	50	0	20.95	0.124
					1	0	21.94	0.156
					1	24	21.82	0.152
					1	49	21.68	0.147
					25	0	20.74	0.119
					25	12	20.76	0.119
					25	25	20.59	0.115
					50	0	20.68	0.117
			41540	2685.0	1	0	21.83	0.152
					1	24	21.77	0.150
					1	49	21.80	0.151
					25	0	20.87	0.122
					25	12	20.82	0.121
					25	25	20.59	0.115
					50	0	20.77	0.119



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	15MHz	QPSK	39725	2503.5	1	0	22.83	0.192
					1	37	22.86	0.193
					1	74	22.73	0.187
					36	0	22.10	0.162
					36	19	21.89	0.155
					36	39	21.84	0.153
			40620	2593.0	75	0	22.00	0.158
					1	0	22.76	0.189
					1	37	22.55	0.180
					1	74	22.38	0.173
					36	0	21.96	0.157
					36	19	21.79	0.151
					36	39	21.79	0.151
					75	0	21.92	0.156
			41515	2682.5	1	0	22.96	0.198
					1	37	22.86	0.193
					1	74	22.61	0.182
					36	0	21.91	0.155
					36	19	21.76	0.150
					36	39	21.75	0.150
					75	0	22.03	0.160
		16QAM	39725	2503.5	1	0	21.91	0.155
					1	37	21.91	0.155
					1	74	21.95	0.157
					36	0	21.31	0.135
					36	19	20.98	0.125
					36	39	20.91	0.123
			40620	2593.0	75	0	20.93	0.124
					1	0	22.13	0.163
					1	37	21.98	0.158
					1	74	22.19	0.166
					36	0	21.09	0.129
					36	19	20.87	0.122
					36	39	20.78	0.120
					75	0	20.96	0.125
			41515	2682.5	1	0	22.01	0.159
					1	37	22.02	0.159
					1	74	21.96	0.157
					36	0	21.15	0.130
					36	19	20.78	0.120
					36	39	20.73	0.118
					75	0	20.90	0.123



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	20MHz	QPSK	39750	2506.0	1	0	22.83	0.192
					1	49	22.71	0.187
					1	99	22.97	0.198
					50	0	22.34	0.171
					50	25	21.85	0.153
					50	50	22.17	0.165
					100	0	22.29	0.169
			40620	2593.0	1	0	22.84	0.192
					1	49	22.69	0.186
					1	99	22.69	0.186
					50	0	22.40	0.174
					50	25	21.87	0.154
					50	50	21.92	0.156
					100	0	22.08	0.161
			41490	2680.0	1	0	22.81	0.191
					1	49	22.45	0.176
					1	99	22.89	0.195
					50	0	22.02	0.159
					50	25	21.85	0.153
					50	50	22.02	0.159
					100	0	22.31	0.170
		16QAM	39750	2506.0	1	0	21.97	0.157
					1	49	21.87	0.154
					1	99	22.07	0.161
					50	0	21.32	0.136
					50	25	20.89	0.123
					50	50	21.19	0.132
					100	0	21.22	0.132
			40620	2593.0	1	0	22.01	0.159
					1	49	21.77	0.150
					1	99	22.16	0.164
					50	0	21.31	0.135
					50	25	21.01	0.126
					50	50	21.06	0.128
					100	0	21.07	0.128
			41490	2680.0	1	0	21.80	0.151
					1	49	21.81	0.152
					1	99	22.11	0.163
					50	0	21.17	0.131
					50	25	20.88	0.122
					50	50	20.96	0.125
					100	0	21.22	0.132

Appendix B: Effective Radiated Power / Equivalent Isotropic Radiated Power

Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4M	QPSK	1850.7	H	11.64	9.54	21.18	0.131	< 2
			V	14.09	9.55	23.64	0.231	< 2
		1880.0	H	11.81	9.68	21.49	0.141	< 2
			V	13.77	9.67	23.44	0.221	< 2
	16QAM	1880.0	H	11.72	9.78	21.50	0.141	< 2
			V	13.81	9.78	23.59	0.229	< 2
3M	QPSK	1880.0	H	9.57	9.68	19.25	0.084	< 2
			V	11.65	9.68	21.33	0.136	< 2
		1851.5	H	11.74	9.55	21.29	0.135	< 2
			V	14.03	9.56	23.59	0.229	< 2
	16QAM	1880.0	H	11.81	9.67	21.48	0.141	< 2
			V	13.53	9.67	23.20	0.209	< 2
5M	QPSK	1880.0	H	11.64	9.78	21.42	0.139	< 2
			V	13.60	9.78	23.38	0.218	< 2
	16QAM	1880.0	H	9.82	9.67	19.49	0.089	< 2
			V	11.49	9.67	21.16	0.131	< 2
	QPSK	1852.5	H	11.93	9.56	21.49	0.141	< 2
			V	13.59	9.56	23.15	0.207	< 2
10M	QPSK	1880.0	H	11.58	9.67	21.25	0.133	< 2
			V	13.75	9.67	23.42	0.220	< 2
	16QAM	1880.0	H	11.98	9.77	21.75	0.150	< 2
			V	13.84	9.77	23.61	0.230	< 2
	QPSK	1855.0	H	9.87	9.67	19.54	0.090	< 2
			V	11.86	9.67	21.53	0.142	< 2
15M	QPSK	1880.0	H	11.68	9.56	21.24	0.133	< 2
			V	13.89	9.56	23.45	0.221	< 2
	16QAM	1880.0	H	11.91	9.65	21.56	0.143	< 2
			V	13.86	9.65	23.51	0.224	< 2
	QPSK	1857.5	H	11.70	9.76	21.46	0.140	< 2
			V	13.58	9.76	23.34	0.216	< 2
20M	QPSK	1880.0	H	9.79	9.66	19.45	0.088	< 2
			V	11.98	9.66	21.64	0.146	< 2
	16QAM	1880.0	H	11.68	9.56	21.24	0.133	< 2
			V	13.89	9.56	23.45	0.221	< 2
	QPSK	1860.0	H	11.91	9.65	21.56	0.143	< 2
			V	13.86	9.65	23.51	0.224	< 2
20M	QPSK	1880.0	H	11.70	9.76	21.46	0.140	< 2
			V	13.58	9.76	23.34	0.216	< 2
	16QAM	1880.0	H	9.79	9.66	19.45	0.088	< 2
			V	11.98	9.66	21.64	0.146	< 2
	QPSK	1857.5	H	11.92	9.57	21.49	0.141	< 2
			V	13.99	9.56	23.55	0.226	< 2
20M	QPSK	1880.0	H	11.57	9.65	21.22	0.132	< 2
			V	13.51	9.64	23.15	0.207	< 2
	16QAM	1880.0	H	11.51	9.73	21.24	0.133	< 2
			V	13.61	9.73	23.34	0.216	< 2
	QPSK	1860.0	H	10.03	9.65	19.68	0.093	< 2
			V	11.95	9.65	21.60	0.145	< 2
20M	QPSK	1880.0	H	11.59	9.56	21.15	0.130	< 2
			V	13.64	9.57	23.21	0.209	< 2
	16QAM	1880.0	H	11.51	9.63	21.14	0.130	< 2
			V	13.76	9.64	23.40	0.219	< 2
	QPSK	1900.0	H	11.66	9.71	21.37	0.137	< 2
			V	13.63	9.72	23.35	0.216	< 2
20M	16QAM	1880.0	H	9.81	9.63	19.44	0.088	< 2
			V	11.77	9.63	21.40	0.138	< 2



Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4M	QPSK	1710.7	H	12.39	9.00	21.39	0.138	< 1
			V	14.20	9.00	23.20	0.209	< 1
		1732.5	H	12.08	9.09	21.17	0.131	< 1
			V	14.33	9.09	23.42	0.220	< 1
		1754.3	H	12.20	9.16	21.36	0.137	< 1
			V	14.03	9.16	23.19	0.208	< 1
	16QAM	1732.5	H	10.66	9.09	19.75	0.094	< 1
			V	12.37	9.09	21.46	0.140	< 1
3M	QPSK	1711.5	H	12.23	9.00	21.23	0.133	< 1
			V	14.52	9.00	23.52	0.225	< 1
		1732.5	H	12.14	9.08	21.22	0.132	< 1
			V	14.24	9.09	23.33	0.215	< 1
		1753.5	H	12.29	9.17	21.46	0.140	< 1
			V	14.34	9.17	23.51	0.224	< 1
	16QAM	1732.5	H	10.27	9.09	19.36	0.086	< 1
			V	12.39	9.09	21.48	0.141	< 1
5M	QPSK	1712.5	H	12.25	9.00	21.25	0.133	< 1
			V	14.35	9.00	23.35	0.216	< 1
		1732.5	H	12.30	9.09	21.39	0.138	< 1
			V	14.40	9.09	23.49	0.223	< 1
		1752.5	H	12.23	9.15	21.38	0.137	< 1
			V	14.39	9.15	23.54	0.226	< 1
	16QAM	1732.5	H	10.21	9.08	19.29	0.085	< 1
			V	12.54	9.08	21.62	0.145	< 1
10M	QPSK	1715.0	H	12.54	9.00	21.54	0.143	< 1
			V	14.63	9.00	23.63	0.231	< 1
		1732.5	H	12.36	9.06	21.42	0.139	< 1
			V	14.09	9.06	23.15	0.207	< 1
		1750.0	H	12.43	9.14	21.57	0.144	< 1
			V	14.13	9.14	23.27	0.212	< 1
	16QAM	1732.5	H	10.36	9.07	19.43	0.088	< 1
			V	12.40	9.07	21.47	0.140	< 1
15M	QPSK	1717.5	H	12.19	9.00	21.19	0.132	< 1
			V	14.46	9.00	23.46	0.222	< 1
		1732.5	H	12.33	9.06	21.39	0.138	< 1
			V	14.36	9.06	23.42	0.220	< 1
		1747.5	H	12.12	9.11	21.23	0.133	< 1
			V	14.36	9.13	23.49	0.223	< 1
	16QAM	1732.5	H	10.24	9.06	19.30	0.085	< 1
			V	12.55	9.06	21.61	0.145	< 1
20M	QPSK	1720.0	H	12.26	9.00	21.26	0.134	< 1
			V	14.39	9.00	23.39	0.218	< 1
		1732.5	H	12.34	9.05	21.39	0.138	< 1
			V	14.33	9.05	23.38	0.218	< 1
		1745.0	H	12.36	9.11	21.47	0.140	< 1
			V	14.40	9.11	23.51	0.224	< 1
	16QAM	1732.5	H	10.37	9.06	19.43	0.088	< 1
			V	12.59	9.05	21.64	0.146	< 1



Band 5								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4M	QPSK	824.7	H	9.91	11.27	21.18	0.131	< 7
			V	12.02	11.25	23.27	0.212	< 7
		836.5	H	10.08	11.42	21.50	0.141	< 7
			V	11.83	11.42	23.25	0.211	< 7
		848.3	H	9.66	11.58	21.24	0.133	< 7
			V	11.61	11.58	23.19	0.208	< 7
	16QAM	836.5	H	7.96	11.42	19.38	0.087	< 7
			V	10.37	11.42	21.79	0.151	< 7
3M	QPSK	825.5	H	9.85	11.25	21.10	0.129	< 7
			V	12.16	11.25	23.41	0.219	< 7
		836.5	H	9.71	11.39	21.10	0.129	< 7
			V	12.22	11.40	23.62	0.230	< 7
		847.5	H	9.93	11.55	21.48	0.141	< 7
			V	11.57	11.56	23.13	0.206	< 7
	16QAM	836.5	H	7.90	11.40	19.30	0.085	< 7
			V	10.13	11.40	21.53	0.142	< 7
5M	QPSK	826.5	H	10.01	11.25	21.26	0.134	< 7
			V	12.24	11.24	23.48	0.223	< 7
		836.5	H	10.03	11.39	21.42	0.139	< 7
			V	12.33	11.40	23.73	0.236	< 7
		846.5	H	9.69	11.52	21.21	0.132	< 7
			V	12.09	11.52	23.61	0.230	< 7
	16QAM	836.5	H	7.93	11.40	19.33	0.086	< 7
			V	10.03	11.39	21.42	0.139	< 7
10M	QPSK	829.0	H	10.37	11.24	21.61	0.145	< 7
			V	12.42	11.25	23.67	0.233	< 7
		836.5	H	10.12	11.35	21.47	0.140	< 7
			V	12.07	11.36	23.43	0.220	< 7
		844.0	H	9.93	11.45	21.38	0.137	< 7
			V	12.12	11.47	23.59	0.229	< 7
	16QAM	836.5	H	7.89	11.36	19.25	0.084	< 7
			V	10.21	11.35	21.56	0.143	< 7



Band 7								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
5M	QPSK	2502.5	H	9.36	12.07	21.43	0.139	< 2
			V	11.10	12.08	23.18	0.208	< 2
		2535.0	H	9.42	12.15	21.57	0.144	< 2
			V	11.46	12.15	23.61	0.230	< 2
		2567.5	H	9.45	12.24	21.69	0.148	< 2
			V	11.15	12.23	23.38	0.218	< 2
	16QAM	2535.0	H	7.26	12.15	19.41	0.087	< 2
			V	9.01	12.15	21.16	0.131	< 2
10M	QPSK	2505.0	H	9.33	12.08	21.41	0.138	< 2
			V	11.31	12.07	23.38	0.218	< 2
		2535.0	H	9.13	12.15	21.28	0.134	< 2
			V	11.09	12.15	23.24	0.211	< 2
		2565.0	H	9.04	12.23	21.27	0.134	< 2
			V	10.90	12.23	23.13	0.206	< 2
	16QAM	2535.0	H	7.15	12.15	19.30	0.085	< 2
			V	9.34	12.15	21.49	0.141	< 2
15M	QPSK	2507.5	H	9.32	12.08	21.40	0.138	< 2
			V	11.29	12.07	23.36	0.217	< 2
		2535.0	H	9.13	12.14	21.27	0.134	< 2
			V	11.31	12.14	23.45	0.221	< 2
		2562.5	H	8.97	12.21	21.18	0.131	< 2
			V	11.22	12.21	23.43	0.220	< 2
	16QAM	2535.0	H	7.49	12.14	19.63	0.092	< 2
			V	9.38	12.14	21.52	0.142	< 2
20M	QPSK	2510.0	H	9.27	12.07	21.34	0.136	< 2
			V	11.19	12.07	23.26	0.212	< 2
		2535.0	H	9.37	12.13	21.50	0.141	< 2
			V	11.10	12.13	23.23	0.210	< 2
		2560.0	H	9.25	12.20	21.45	0.140	< 2
			V	10.96	12.20	23.16	0.207	< 2
	16QAM	2535.0	H	7.41	12.13	19.54	0.090	< 2
			V	9.24	12.13	21.37	0.137	< 2

Band 17								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
5M	QPSK	706.5	H	11.83	9.38	21.21	0.132	< 3
			V	14.00	9.38	23.38	0.218	< 3
		710.0	H	11.73	9.47	21.20	0.132	< 3
			V	14.37	9.47	23.84	0.242	< 3
		713.5	H	12.01	9.51	21.52	0.142	< 3
			V	13.72	9.51	23.23	0.210	< 3
	16QAM	710.0	H	10.11	9.47	19.58	0.091	< 3
			V	12.03	9.47	21.50	0.141	< 3
10M	QPSK	709.0	H	11.84	9.38	21.22	0.132	< 3
			V	14.00	9.38	23.38	0.218	< 3
		710.0	H	11.85	9.42	21.27	0.134	< 3
			V	13.83	9.42	23.25	0.211	< 3
		711.0	H	11.87	9.43	21.30	0.135	< 3
			V	13.88	9.42	23.30	0.214	< 3
	16QAM	710.0	H	10.11	9.42	19.53	0.090	< 3
			V	11.89	9.42	21.31	0.135	< 3

Band 41								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
5M	QPSK	2498.5	H	9.09	12.06	21.15	0.130	< 2
			V	11.36	12.07	23.43	0.220	< 2
		2593.0	H	9.30	12.30	21.60	0.145	< 2
			V	10.82	12.30	23.12	0.205	< 2
		2687.5	H	9.11	12.52	21.63	0.146	< 2
			V	10.92	12.52	23.44	0.221	< 2
	16QAM	2593.0	H	7.23	12.30	19.53	0.090	< 2
			V	9.08	12.30	21.38	0.137	< 2
10M	QPSK	2501.0	H	9.24	12.06	21.30	0.135	< 2
			V	11.12	12.07	23.19	0.208	< 2
		2593.0	H	9.17	12.30	21.47	0.140	< 2
			V	11.21	12.30	23.51	0.224	< 2
		2685.0	H	8.85	12.52	21.37	0.137	< 2
			V	11.04	12.52	23.56	0.227	< 2
	16QAM	2593.0	H	7.09	12.30	19.39	0.087	< 2
			V	9.19	12.30	21.49	0.141	< 2
15M	QPSK	2503.5	H	9.36	12.06	21.42	0.139	< 2
			V	11.45	12.07	23.52	0.225	< 2
		2593.0	H	9.06	12.29	21.35	0.136	< 2
			V	10.87	12.29	23.16	0.207	< 2
		2682.5	H	8.89	12.51	21.40	0.138	< 2
			V	10.73	12.51	23.24	0.211	< 2
	16QAM	2593.0	H	7.27	12.29	19.56	0.090	< 2
			V	9.26	12.29	21.55	0.143	< 2
20M	QPSK	2506.0	H	9.47	12.07	21.54	0.143	< 2
			V	11.11	12.07	23.18	0.208	< 2
		2593.0	H	9.41	12.29	21.70	0.148	< 2
			V	10.89	12.28	23.17	0.207	< 2
		2680.0	H	8.76	12.50	21.26	0.134	< 2
			V	10.89	12.50	23.39	0.218	< 2
	16QAM	2593.0	H	7.06	12.29	19.35	0.086	< 2
			V	9.12	12.28	21.40	0.138	< 2



Appendix C: Frequency Stability

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2	1.4MHz	QPSK	18607	6RB#0	VN	TN	-0.92	-0.000495	±2.5	PASS
2	1.4MHz	QPSK	18607	6RB#0	VL	TN	-0.03	-0.000015	±2.5	PASS
2	1.4MHz	QPSK	18607	6RB#0	VH	TN	-0.19	-0.000100	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VN	TN	-0.31	-0.000167	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VL	TN	-3.22	-0.001712	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VH	TN	-1.44	-0.000769	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VN	TN	-3.25	-0.001701	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VL	TN	0.46	0.000240	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VH	TN	1.29	0.000674	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VN	TN	-1.56	-0.000842	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VL	TN	-0.90	-0.000487	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VH	TN	-1.79	-0.000966	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VN	TN	-1.56	-0.000829	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VH	TN	-3.75	-0.001994	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VL	TN	-3.93	-0.002093	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VN	TN	-3.19	-0.001671	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VL	TN	1.97	0.001034	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VH	TN	0.93	0.000487	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VN	TN	-0.24	-0.000131	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VL	TN	-1.09	-0.000587	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VH	TN	-0.51	-0.000278	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VL	TN	-3.25	-0.001727	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VH	TN	-3.52	-0.001872	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VN	TN	-1.50	-0.000799	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VL	TN	1.86	0.000975	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VH	TN	1.73	0.000907	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VN	TN	-2.53	-0.001327	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VN	TN	-0.77	-0.000416	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VL	TN	-1.76	-0.000949	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VH	TN	-1.63	-0.000879	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VN	TN	-3.00	-0.001598	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VL	TN	-2.70	-0.001438	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VH	TN	-2.82	-0.001499	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VN	TN	-4.08	-0.002140	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VL	TN	0.82	0.000428	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VH	TN	0.19	0.000098	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2	15MHz	QPSK	18675	75RB#0	VN	TN	-4.59	-0.002472	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VL	TN	-4.35	-0.002341	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VH	TN	-4.92	-0.002649	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VH	TN	-3.65	-0.001940	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VN	TN	-4.85	-0.002579	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VL	TN	-4.16	-0.002214	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VH	TN	-5.48	-0.002880	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VN	TN	-4.33	-0.002278	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VL	TN	-2.95	-0.001549	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VN	TN	0.10	0.000054	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VL	TN	0.60	0.000323	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VH	TN	-0.23	-0.000123	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VN	TN	-0.36	-0.000190	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VL	TN	-3.69	-0.001963	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VH	TN	-3.71	-0.001971	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VH	TN	-3.20	-0.001686	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VN	TN	-4.13	-0.002176	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VL	TN	-1.97	-0.001039	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
4	1.4MHz	QPSK	19957	6RB#0	VN	TN	1.29	0.000753	±2.5	PASS
4	1.4MHz	QPSK	19957	6RB#0	VL	TN	1.77	0.001037	±2.5	PASS
4	1.4MHz	QPSK	19957	6RB#0	VH	TN	2.10	0.001229	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VN	TN	3.12	0.001800	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VL	TN	0.13	0.000074	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VH	TN	-1.46	-0.000842	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VL	TN	-0.93	-0.000530	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VN	TN	0.60	0.000342	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VH	TN	-4.03	-0.002300	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VN	TN	1.24	0.000727	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VL	TN	1.20	0.000702	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VH	TN	0.92	0.000535	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VN	TN	-1.04	-0.000603	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VL	TN	0.03	0.000017	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VH	TN	0.53	0.000306	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VH	TN	0.33	0.000188	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VN	TN	1.02	0.000579	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VL	TN	-0.66	-0.000375	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VN	TN	3.78	0.002205	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VL	TN	3.06	0.001788	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VH	TN	3.08	0.001796	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VN	TN	2.33	0.001346	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VL	TN	0.82	0.000471	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VH	TN	0.72	0.000413	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VH	TN	-1.50	-0.000857	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VN	TN	1.47	0.000841	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VL	TN	-2.52	-0.001437	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VH	TN	-3.02	-0.001760	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VN	TN	-0.67	-0.000392	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VL	TN	-1.24	-0.000726	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VN	TN	-3.39	-0.001957	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VL	TN	0.77	0.000446	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VH	TN	0.60	0.000347	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VH	TN	0.64	0.000368	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VN	TN	-0.30	-0.000172	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VL	TN	2.30	0.001316	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
4	15MHz	QPSK	20025	75RB#0	VH	TN	-0.60	-0.000350	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VL	TN	1.30	0.000758	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VN	TN	1.00	0.000583	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VN	TN	0.17	0.000099	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VL	TN	0.82	0.000471	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VH	TN	0.23	0.000132	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VN	TN	-1.02	-0.000581	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VL	TN	0.87	0.000499	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VH	TN	0.23	0.000131	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VN	TN	1.93	0.001123	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VL	TN	0.66	0.000383	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VH	TN	1.43	0.000832	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VN	TN	1.63	0.000941	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VL	TN	0.37	0.000215	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VH	TN	0.59	0.000339	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VH	TN	-3.29	-0.001885	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VL	TN	-3.26	-0.001869	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VN	TN	0.01	0.000008	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5	1.4MHz	QPSK	20407	6RB#0	VN	TN	-0.19	-0.000225	±2.5	PASS
5	1.4MHz	QPSK	20407	6RB#0	VL	TN	0.24	0.000295	±2.5	PASS
5	1.4MHz	QPSK	20407	6RB#0	VH	TN	-0.04	-0.000052	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VN	TN	-0.10	-0.000120	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VL	TN	0.86	0.001026	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VH	TN	1.20	0.001436	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VH	TN	1.00	0.001180	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VL	TN	0.60	0.000708	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VN	TN	-0.14	-0.000169	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VL	TN	1.59	0.001924	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VH	TN	1.60	0.001941	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VN	TN	1.99	0.002409	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VN	TN	1.85	0.002206	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VL	TN	0.99	0.001180	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VH	TN	1.07	0.001283	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VL	TN	-0.11	-0.000135	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VH	TN	-1.52	-0.001789	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VN	TN	1.12	0.001317	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VL	TN	-0.09	-0.000104	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VH	TN	-1.57	-0.001904	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VN	TN	-0.56	-0.000675	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VH	TN	-0.39	-0.000462	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VN	TN	-2.59	-0.003095	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VL	TN	-0.59	-0.000701	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VH	TN	-0.57	-0.000676	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VN	TN	-1.22	-0.001436	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VL	TN	0.83	0.000980	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VN	TN	0.07	0.000086	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VL	TN	1.24	0.001501	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VH	TN	-1.75	-0.002105	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VN	TN	0.13	0.000154	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VL	TN	-0.40	-0.000479	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VH	TN	-1.20	-0.001436	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VN	TN	-0.33	-0.000390	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VL	TN	-0.16	-0.000186	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VH	TN	-0.67	-0.000797	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7	5MHz	QPSK	20775	25RB#0	VN	TN	2.79	0.001115	±2.5	PASS
7	5MHz	QPSK	20775	25RB#0	VL	TN	3.30	0.001320	±2.5	PASS
7	5MHz	QPSK	20775	25RB#0	VH	TN	3.23	0.001292	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VN	TN	3.05	0.001202	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VL	TN	-1.46	-0.000576	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VH	TN	0.82	0.000322	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VN	TN	1.77	0.000691	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VL	TN	-1.12	-0.000435	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VH	TN	3.42	0.001332	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VN	TN	-0.62	-0.000246	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VL	TN	-0.73	-0.000291	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VH	TN	-0.67	-0.000268	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VL	TN	1.23	0.000485	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VH	TN	2.00	0.000790	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VN	TN	-3.09	-0.001219	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VL	TN	-0.94	-0.000368	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VH	TN	0.80	0.000312	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VN	TN	2.22	0.000864	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VH	TN	0.62	0.000245	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VN	TN	1.39	0.000553	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VL	TN	1.53	0.000610	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VH	TN	3.38	0.001332	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VN	TN	-3.66	-0.001445	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VL	TN	3.86	0.001524	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VN	TN	0.87	0.000341	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VL	TN	1.20	0.000469	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VH	TN	2.40	0.000938	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VN	TN	0.51	0.000205	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VL	TN	-0.63	-0.000251	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VH	TN	0.40	0.000160	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VN	TN	-2.10	-0.000830	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VL	TN	1.34	0.000530	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VH	TN	2.30	0.000909	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VN	TN	-4.94	-0.001928	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VL	TN	-1.09	-0.000425	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VH	TN	-0.47	-0.000184	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
17	5MHz	QPSK	23755	25RB#0	VL	TN	-0.40	-0.000567	±2.5	PASS
17	5MHz	QPSK	23755	25RB#0	VH	TN	-1.60	-0.002268	±2.5	PASS
17	5MHz	QPSK	23755	25RB#0	VN	TN	-0.83	-0.001174	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VH	TN	-0.96	-0.001350	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VN	TN	-2.37	-0.003345	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VL	TN	-0.69	-0.000967	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VN	TN	-0.50	-0.000702	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VL	TN	-1.67	-0.002346	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VH	TN	-0.86	-0.001203	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VL	TN	-0.06	-0.000081	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VH	TN	-0.59	-0.000827	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VN	TN	-0.77	-0.001090	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VL	TN	-0.16	-0.000222	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VH	TN	0.09	0.000121	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VN	TN	-0.51	-0.000725	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VH	TN	-1.09	-0.001529	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VN	TN	-0.01	-0.000020	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VL	TN	-1.80	-0.002535	±2.5	PASS



Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
41	5MHz	QPSK	39675	25RB#0	VN	TN	-3.83	-0.001994	±2.5	PASS
41	5MHz	QPSK	39675	25RB#0	VL	TN	-1.79	-0.000930	±2.5	PASS
41	5MHz	QPSK	39675	25RB#0	VH	TN	1.07	0.000558	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VN	TN	-1.34	-0.000690	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VL	TN	-2.50	-0.001284	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VH	TN	1.70	0.000873	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VN	TN	0.10	0.000051	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VL	TN	-3.02	-0.001526	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VH	TN	1.13	0.000571	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VH	TN	0.70	0.000364	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VN	TN	-0.20	-0.000104	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VL	TN	0.57	0.000297	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VN	TN	1.22	0.000624	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VL	TN	-3.76	-0.001929	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VH	TN	-2.25	-0.001152	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VN	TN	-1.14	-0.000579	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VL	TN	-2.76	-0.001398	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VH	TN	-1.00	-0.000507	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VN	TN	-2.72	-0.001410	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VL	TN	-2.79	-0.001447	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VH	TN	-2.99	-0.001551	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VH	TN	2.12	0.001086	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VN	TN	-2.89	-0.001482	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VL	TN	1.97	0.001012	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VL	TN	1.34	0.000682	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VH	TN	1.87	0.000950	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VN	TN	-7.17	-0.003633	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VL	TN	-0.57	-0.000296	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VH	TN	0.20	0.000104	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VN	TN	-1.36	-0.000704	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VN	TN	-8.93	-0.004578	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VL	TN	-1.76	-0.000902	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VH	TN	-3.09	-0.001585	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VL	TN	-1.10	-0.000559	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VH	TN	-2.10	-0.001067	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VN	TN	-7.91	-0.004016	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2	1.4MHz	QPSK	18607	6RB#0	VN	0	-0.49	-0.000263	±2.5	PASS
2	1.4MHz	QPSK	18607	6RB#0	VN	10	-1.32	-0.000711	±2.5	PASS
2	1.4MHz	QPSK	18607	6RB#0	VN	20	0.86	0.000464	±2.5	PASS
2	1.4MHz	QPSK	18607	6RB#0	VN	30	0.31	0.000170	±2.5	PASS
2	1.4MHz	QPSK	18607	6RB#0	VN	40	-0.10	-0.000054	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VN	0	-2.45	-0.001301	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VN	40	-2.39	-0.001271	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VN	30	-2.99	-0.001590	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VN	10	-3.23	-0.001720	±2.5	PASS
2	1.4MHz	QPSK	18900	6RB#0	VN	20	-3.32	-0.001765	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VN	0	0.84	0.000442	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VN	10	0.64	0.000337	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VN	20	-1.04	-0.000547	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VN	30	-0.16	-0.000082	±2.5	PASS
2	1.4MHz	QPSK	19193	6RB#0	VN	40	0.84	0.000442	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VN	0	-0.89	-0.000479	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VN	10	-1.07	-0.000579	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VN	20	-0.93	-0.000502	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VN	30	-0.54	-0.000294	±2.5	PASS
2	3MHz	QPSK	18615	15RB#0	VN	40	-2.17	-0.001174	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VN	0	-2.37	-0.001263	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VN	40	-3.92	-0.002085	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VN	10	-2.06	-0.001096	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VN	20	-4.48	-0.002382	±2.5	PASS
2	3MHz	QPSK	18900	15RB#0	VN	30	-3.02	-0.001606	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VN	0	0.47	0.000247	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VN	10	1.20	0.000630	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VN	20	1.56	0.000817	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VN	30	0.86	0.000450	±2.5	PASS
2	3MHz	QPSK	19185	15RB#0	VN	40	1.96	0.001027	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VN	0	-0.70	-0.000378	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VN	10	-0.87	-0.000471	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VN	20	-0.76	-0.000409	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VN	30	-2.09	-0.001127	±2.5	PASS
2	5MHz	QPSK	18625	25RB#0	VN	40	-1.75	-0.000942	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VN	20	-2.72	-0.001446	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VN	30	-1.44	-0.000769	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VN	10	-2.12	-0.001126	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VN	0	-1.36	-0.000723	±2.5	PASS
2	5MHz	QPSK	18900	25RB#0	VN	40	-2.40	-0.001278	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VN	0	0.80	0.000420	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VN	10	2.43	0.001275	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VN	20	0.82	0.000427	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VN	30	0.04	0.000022	±2.5	PASS
2	5MHz	QPSK	19175	25RB#0	VN	40	1.14	0.000600	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
2	10MHz	QPSK	18650	50RB#0	VN	0	-1.52	-0.000817	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VN	10	-2.09	-0.001126	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VN	20	-3.06	-0.001650	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VN	30	-2.45	-0.001319	±2.5	PASS
2	10MHz	QPSK	18650	50RB#0	VN	40	-3.29	-0.001774	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VN	0	-2.62	-0.001392	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VN	40	-2.69	-0.001431	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VN	30	-3.99	-0.002123	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VN	20	-4.48	-0.002382	±2.5	PASS
2	10MHz	QPSK	18900	50RB#0	VN	10	-4.31	-0.002290	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VN	0	0.67	0.000353	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VN	10	1.40	0.000736	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VN	20	0.92	0.000481	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VN	30	1.42	0.000743	±2.5	PASS
2	10MHz	QPSK	19150	50RB#0	VN	40	2.17	0.001141	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VN	20	-4.03	-0.002172	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VN	30	-4.19	-0.002256	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VN	10	-4.69	-0.002526	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VN	0	-3.65	-0.001964	±2.5	PASS
2	15MHz	QPSK	18675	75RB#0	VN	40	-4.52	-0.002434	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VN	40	-4.06	-0.002161	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VN	0	-3.30	-0.001758	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VN	10	-3.32	-0.001765	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VN	20	-2.95	-0.001567	±2.5	PASS
2	15MHz	QPSK	18900	75RB#0	VN	30	-2.50	-0.001332	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VN	30	-2.83	-0.001489	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VN	40	-3.72	-0.001955	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VN	20	-4.09	-0.002150	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VN	0	-2.90	-0.001526	±2.5	PASS
2	15MHz	QPSK	19125	75RB#0	VN	10	-4.03	-0.002120	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VN	0	0.54	0.000292	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VN	10	0.51	0.000277	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VN	20	0.74	0.000400	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VN	30	0.44	0.000238	±2.5	PASS
2	20MHz	QPSK	18700	100RB#0	VN	40	0.06	0.000031	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VN	0	-3.49	-0.001857	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VN	10	-2.95	-0.001567	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VN	20	-3.45	-0.001834	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VN	30	-3.86	-0.002054	±2.5	PASS
2	20MHz	QPSK	18900	100RB#0	VN	40	-3.52	-0.001872	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VN	30	-3.66	-0.001927	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VN	40	-1.73	-0.000911	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VN	0	-3.49	-0.001837	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VN	10	-3.42	-0.001799	±2.5	PASS
2	20MHz	QPSK	19100	100RB#0	VN	20	-2.79	-0.001468	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
4	1.4MHz	QPSK	19957	6RB#0	VN	0	1.63	0.000953	±2.5	PASS
4	1.4MHz	QPSK	19957	6RB#0	VN	10	1.95	0.001137	±2.5	PASS
4	1.4MHz	QPSK	19957	6RB#0	VN	20	0.94	0.000552	±2.5	PASS
4	1.4MHz	QPSK	19957	6RB#0	VN	30	1.99	0.001162	±2.5	PASS
4	1.4MHz	QPSK	19957	6RB#0	VN	40	1.96	0.001146	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VN	0	0.39	0.000223	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VN	10	1.82	0.001049	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VN	20	-1.00	-0.000578	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VN	30	-2.62	-0.001511	±2.5	PASS
4	1.4MHz	QPSK	20175	6RB#0	VN	40	0.41	0.000239	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VN	20	-3.56	-0.002030	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VN	30	-2.29	-0.001305	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VN	10	-3.53	-0.002014	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VN	0	-2.43	-0.001386	±2.5	PASS
4	1.4MHz	QPSK	20393	6RB#0	VN	40	-2.85	-0.001623	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VN	0	0.72	0.000418	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VN	10	-1.34	-0.000786	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VN	20	1.50	0.000878	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VN	30	-0.07	-0.000042	±2.5	PASS
4	3MHz	QPSK	19965	15RB#0	VN	40	0.80	0.000468	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VN	0	-0.09	-0.000050	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VN	10	2.52	0.001453	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VN	20	1.62	0.000933	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VN	30	-1.17	-0.000677	±2.5	PASS
4	3MHz	QPSK	20175	15RB#0	VN	40	-0.31	-0.000182	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VN	30	-0.33	-0.000188	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VN	40	-0.49	-0.000277	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VN	0	2.10	0.001199	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VN	20	1.33	0.000759	±2.5	PASS
4	3MHz	QPSK	20385	15RB#0	VN	10	-0.01	-0.000008	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VN	40	1.46	0.000852	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VN	0	1.89	0.001103	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VN	10	2.05	0.001195	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VN	20	0.51	0.000301	±2.5	PASS
4	5MHz	QPSK	19975	25RB#0	VN	30	1.56	0.000911	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VN	20	0.36	0.000206	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VN	30	-1.04	-0.000603	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VN	10	-0.31	-0.000182	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VN	0	0.33	0.000190	±2.5	PASS
4	5MHz	QPSK	20175	25RB#0	VN	40	2.25	0.001296	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VN	40	-2.90	-0.001657	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VN	0	-1.63	-0.000931	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VN	10	-2.35	-0.001339	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VN	20	-1.86	-0.001061	±2.5	PASS
4	5MHz	QPSK	20375	25RB#0	VN	30	-5.02	-0.002865	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
4	10MHz	QPSK	20000	50RB#0	VN	30	-2.13	-0.001243	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VN	40	-1.04	-0.000609	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VN	20	-1.80	-0.001051	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VN	0	-3.65	-0.002127	±2.5	PASS
4	10MHz	QPSK	20000	50RB#0	VN	10	-1.70	-0.000993	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VN	0	0.54	0.000314	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VN	10	0.07	0.000041	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VN	20	1.82	0.001049	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VN	30	0.79	0.000454	±2.5	PASS
4	10MHz	QPSK	20175	50RB#0	VN	40	-0.33	-0.000190	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VN	40	1.02	0.000580	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VN	0	1.34	0.000768	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VN	10	1.92	0.001095	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VN	20	0.30	0.000172	±2.5	PASS
4	10MHz	QPSK	20350	50RB#0	VN	30	1.53	0.000875	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VN	40	-0.46	-0.000267	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VN	10	-0.41	-0.000242	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VN	30	0.10	0.000058	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VN	20	0.09	0.000050	±2.5	PASS
4	15MHz	QPSK	20025	75RB#0	VN	0	-0.50	-0.000292	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VN	0	0.36	0.000206	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VN	10	0.67	0.000388	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VN	20	0.00	0.000000	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VN	30	0.84	0.000487	±2.5	PASS
4	15MHz	QPSK	20175	75RB#0	VN	40	-0.03	-0.000017	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VN	30	0.14	0.000082	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VN	40	-0.36	-0.000205	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VN	20	0.14	0.000082	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VN	10	-0.93	-0.000532	±2.5	PASS
4	15MHz	QPSK	20325	75RB#0	VN	0	0.04	0.000025	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VN	10	1.36	0.000790	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VN	20	1.24	0.000724	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VN	30	1.00	0.000582	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VN	40	1.23	0.000715	±2.5	PASS
4	20MHz	QPSK	20050	100RB#0	VN	0	1.22	0.000707	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VN	0	0.57	0.000330	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VN	10	-0.03	-0.000017	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VN	20	0.00	0.000000	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VN	30	-0.21	-0.000124	±2.5	PASS
4	20MHz	QPSK	20175	100RB#0	VN	40	-0.11	-0.000066	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VN	40	-3.68	-0.002107	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VN	0	-2.06	-0.001180	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VN	10	-2.53	-0.001451	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VN	30	-2.13	-0.001221	±2.5	PASS
4	20MHz	QPSK	20300	100RB#0	VN	20	-2.26	-0.001295	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5	1.4MHz	QPSK	20407	6RB#0	VN	0	-0.16	-0.000191	±2.5	PASS
5	1.4MHz	QPSK	20407	6RB#0	VN	10	0.09	0.000104	±2.5	PASS
5	1.4MHz	QPSK	20407	6RB#0	VN	20	-1.19	-0.001440	±2.5	PASS
5	1.4MHz	QPSK	20407	6RB#0	VN	30	-1.09	-0.001318	±2.5	PASS
5	1.4MHz	QPSK	20407	6RB#0	VN	40	-0.09	-0.000104	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VN	0	0.94	0.001129	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VN	10	1.85	0.002206	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VN	20	0.53	0.000633	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VN	30	1.02	0.001214	±2.5	PASS
5	1.4MHz	QPSK	20525	6RB#0	VN	40	-0.34	-0.000410	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VN	40	-0.16	-0.000185	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VN	10	0.34	0.000405	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VN	20	2.00	0.002361	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VN	30	0.62	0.000725	±2.5	PASS
5	1.4MHz	QPSK	20643	6RB#0	VN	0	1.92	0.002260	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VN	40	0.16	0.000191	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VN	10	0.43	0.000520	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VN	20	0.69	0.000832	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VN	30	0.21	0.000260	±2.5	PASS
5	3MHz	QPSK	20415	15RB#0	VN	0	0.56	0.000676	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VN	40	-0.79	-0.000941	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VN	30	0.57	0.000684	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VN	20	-0.41	-0.000496	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VN	0	0.86	0.001026	±2.5	PASS
5	3MHz	QPSK	20525	15RB#0	VN	10	-0.04	-0.000051	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VN	40	-1.12	-0.001317	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VN	10	-0.70	-0.000827	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VN	20	-1.49	-0.001755	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VN	0	-1.30	-0.001536	±2.5	PASS
5	3MHz	QPSK	20635	15RB#0	VN	30	-0.50	-0.000591	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VN	0	-1.22	-0.001471	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VN	10	-0.59	-0.000710	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VN	20	-0.29	-0.000346	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VN	30	-1.80	-0.002181	±2.5	PASS
5	5MHz	QPSK	20425	25RB#0	VN	40	-1.80	-0.002181	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VN	0	-0.70	-0.000838	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VN	10	-0.36	-0.000428	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VN	20	-1.53	-0.001830	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VN	30	-1.93	-0.002309	±2.5	PASS
5	5MHz	QPSK	20525	25RB#0	VN	40	-1.22	-0.001454	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VN	30	-0.26	-0.000304	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VN	40	-0.20	-0.000237	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VN	0	0.14	0.000169	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VN	20	0.73	0.000862	±2.5	PASS
5	5MHz	QPSK	20625	25RB#0	VN	10	0.69	0.000811	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5	10MHz	QPSK	20450	50RB#0	VN	0	0.34	0.000414	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VN	10	-0.82	-0.000984	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VN	20	-0.82	-0.000984	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VN	30	-0.72	-0.000863	±2.5	PASS
5	10MHz	QPSK	20450	50RB#0	VN	40	0.49	0.000587	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VN	40	-1.29	-0.001539	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VN	0	0.26	0.000308	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VN	10	0.44	0.000530	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VN	20	0.93	0.001112	±2.5	PASS
5	10MHz	QPSK	20525	50RB#0	VN	30	-0.06	-0.000068	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VN	40	-0.57	-0.000678	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VN	30	-0.46	-0.000542	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VN	20	0.46	0.000542	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VN	0	-0.07	-0.000085	±2.5	PASS
5	10MHz	QPSK	20600	50RB#0	VN	10	-1.06	-0.001254	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7	5MHz	QPSK	20775	25RB#0	VN	0	4.82	0.001926	±2.5	PASS
7	5MHz	QPSK	20775	25RB#0	VN	10	2.72	0.001086	±2.5	PASS
7	5MHz	QPSK	20775	25RB#0	VN	20	5.14	0.002052	±2.5	PASS
7	5MHz	QPSK	20775	25RB#0	VN	30	2.03	0.000812	±2.5	PASS
7	5MHz	QPSK	20775	25RB#0	VN	40	4.69	0.001875	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VN	0	3.06	0.001208	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VN	40	0.24	0.000096	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VN	10	0.94	0.000372	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VN	20	2.57	0.001016	±2.5	PASS
7	5MHz	QPSK	21100	25RB#0	VN	30	1.37	0.000542	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VN	0	5.56	0.002167	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VN	10	4.23	0.001649	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VN	20	1.00	0.000390	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VN	30	3.89	0.001515	±2.5	PASS
7	5MHz	QPSK	21425	25RB#0	VN	40	2.03	0.000791	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VN	40	-1.20	-0.000480	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VN	0	-2.07	-0.000828	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VN	10	-1.75	-0.000697	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VN	20	-2.35	-0.000937	±2.5	PASS
7	10MHz	QPSK	20800	50RB#0	VN	30	-2.22	-0.000885	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VN	40	0.89	0.000350	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VN	30	2.79	0.001100	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VN	20	3.46	0.001366	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VN	0	2.06	0.000813	±2.5	PASS
7	10MHz	QPSK	21100	50RB#0	VN	10	1.40	0.000553	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VN	0	1.24	0.000485	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VN	10	0.59	0.000229	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VN	20	0.41	0.000162	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VN	30	0.51	0.000201	±2.5	PASS
7	10MHz	QPSK	21400	50RB#0	VN	40	1.34	0.000524	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VN	30	0.99	0.000394	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VN	40	1.23	0.000491	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VN	10	0.74	0.000297	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VN	0	0.46	0.000183	±2.5	PASS
7	15MHz	QPSK	20825	75RB#0	VN	20	1.00	0.000399	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VN	10	3.78	0.001490	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VN	20	4.33	0.001710	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VN	30	3.65	0.001439	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VN	40	3.02	0.001191	±2.5	PASS
7	15MHz	QPSK	21100	75RB#0	VN	0	3.23	0.001275	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VN	0	1.87	0.000731	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VN	10	1.40	0.000547	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VN	20	2.66	0.001038	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VN	30	1.73	0.000675	±2.5	PASS
7	15MHz	QPSK	21375	75RB#0	VN	40	0.46	0.000179	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7	20MHz	QPSK	20850	100RB#0	VN	10	-0.41	-0.000165	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VN	40	-0.93	-0.000370	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VN	20	0.03	0.000011	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VN	0	0.07	0.000028	±2.5	PASS
7	20MHz	QPSK	20850	100RB#0	VN	30	0.06	0.000023	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VN	0	1.66	0.000655	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VN	10	1.34	0.000530	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VN	20	0.94	0.000372	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VN	30	2.36	0.000931	±2.5	PASS
7	20MHz	QPSK	21100	100RB#0	VN	40	1.22	0.000480	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VN	0	-0.51	-0.000201	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VN	10	0.13	0.000050	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VN	20	-1.13	-0.000441	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VN	30	0.53	0.000207	±2.5	PASS
7	20MHz	QPSK	21350	100RB#0	VN	40	-0.56	-0.000218	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
17	5MHz	QPSK	23755	25RB#0	VN	30	-0.83	-0.001174	±2.5	PASS
17	5MHz	QPSK	23755	25RB#0	VN	40	-0.93	-0.001316	±2.5	PASS
17	5MHz	QPSK	23755	25RB#0	VN	20	-1.20	-0.001701	±2.5	PASS
17	5MHz	QPSK	23755	25RB#0	VN	0	-0.77	-0.001093	±2.5	PASS
17	5MHz	QPSK	23755	25RB#0	VN	10	-0.57	-0.000810	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VN	0	-0.26	-0.000363	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VN	10	-0.13	-0.000181	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VN	20	0.20	0.000282	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VN	30	-0.62	-0.000866	±2.5	PASS
17	5MHz	QPSK	23790	25RB#0	VN	40	-0.46	-0.000645	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VN	10	-1.04	-0.001464	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VN	20	-1.19	-0.001664	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VN	30	-0.44	-0.000622	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VN	40	-1.62	-0.002266	±2.5	PASS
17	5MHz	QPSK	23825	25RB#0	VN	0	-0.49	-0.000682	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VN	20	-0.09	-0.000121	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VN	30	-1.03	-0.001453	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VN	40	-1.43	-0.002018	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VN	0	-1.14	-0.001614	±2.5	PASS
17	10MHz	QPSK	23780	50RB#0	VN	10	-0.97	-0.001372	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VN	10	-0.70	-0.000987	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VN	20	0.00	0.000000	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VN	30	0.37	0.000524	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VN	40	0.10	0.000141	±2.5	PASS
17	10MHz	QPSK	23790	50RB#0	VN	0	-0.04	-0.000060	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VN	0	-1.69	-0.002374	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VN	30	-2.65	-0.003722	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VN	10	-3.02	-0.004245	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VN	40	-1.42	-0.001992	±2.5	PASS
17	10MHz	QPSK	23800	50RB#0	VN	20	-2.39	-0.003360	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
41	5MHz	QPSK	39675	25RB#0	VN	0	0.17	0.000089	±2.5	PASS
41	5MHz	QPSK	39675	25RB#0	VN	10	0.83	0.000432	±2.5	PASS
41	5MHz	QPSK	39675	25RB#0	VN	20	0.34	0.000179	±2.5	PASS
41	5MHz	QPSK	39675	25RB#0	VN	30	-0.74	-0.000387	±2.5	PASS
41	5MHz	QPSK	39675	25RB#0	VN	40	0.97	0.000506	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VN	20	0.72	0.000367	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VN	30	0.92	0.000470	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VN	10	0.69	0.000352	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VN	0	0.53	0.000271	±2.5	PASS
41	5MHz	QPSK	40620	25RB#0	VN	40	1.34	0.000690	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VN	0	1.89	0.000955	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VN	10	2.80	0.001418	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VN	20	-1.07	-0.000543	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VN	30	-0.60	-0.000304	±2.5	PASS
41	5MHz	QPSK	41565	25RB#0	VN	40	3.60	0.001823	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VN	40	0.20	0.000104	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VN	30	0.51	0.000268	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VN	0	-1.24	-0.000647	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VN	10	0.23	0.000119	±2.5	PASS
41	10MHz	QPSK	39700	50RB#0	VN	20	-1.47	-0.000765	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VN	0	-1.60	-0.000822	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VN	10	-2.00	-0.001027	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VN	20	-1.90	-0.000976	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VN	30	-1.85	-0.000946	±2.5	PASS
41	10MHz	QPSK	40620	50RB#0	VN	40	-1.42	-0.000726	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VN	40	0.09	0.000043	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VN	0	0.04	0.000022	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VN	10	-0.79	-0.000398	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VN	20	0.41	0.000210	±2.5	PASS
41	10MHz	QPSK	41540	50RB#0	VN	30	-0.50	-0.000254	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
41	15MHz	QPSK	39725	75RB#0	VN	40	-2.85	-0.001477	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VN	30	-3.38	-0.001751	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VN	20	-4.03	-0.002093	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VN	0	-2.98	-0.001544	±2.5	PASS
41	15MHz	QPSK	39725	75RB#0	VN	10	-2.83	-0.001469	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VN	0	1.79	0.000917	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VN	10	0.26	0.000132	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VN	20	1.53	0.000785	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VN	30	2.43	0.001247	±2.5	PASS
41	15MHz	QPSK	40620	75RB#0	VN	40	2.12	0.001086	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VN	40	0.59	0.000297	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VN	20	0.24	0.000123	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VN	10	0.07	0.000036	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VN	30	0.51	0.000261	±2.5	PASS
41	15MHz	QPSK	41515	75RB#0	VN	0	2.02	0.001023	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VN	10	-1.82	-0.000941	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VN	20	-0.63	-0.000326	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VN	0	-0.99	-0.000511	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VN	30	-1.34	-0.000697	±2.5	PASS
41	20MHz	QPSK	39750	100RB#0	VN	40	-1.62	-0.000838	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VN	10	-2.99	-0.001533	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VN	40	-3.29	-0.001687	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VN	20	-2.13	-0.001093	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VN	0	-2.78	-0.001423	±2.5	PASS
41	20MHz	QPSK	40620	100RB#0	VN	30	-1.82	-0.000932	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VN	40	-2.30	-0.001169	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VN	0	-2.19	-0.001111	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VN	10	-1.44	-0.000733	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VN	20	-1.96	-0.000995	±2.5	PASS
41	20MHz	QPSK	41490	100RB#0	VN	30	-0.53	-0.000269	±2.5	PASS

**Appendix D: Emission Bandwidth & Occupied Bandwidth**

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
2	1.4MHz	QPSK	18607	6RB#0	1.0873	1.232	PASS
2	1.4MHz	16QAM	18607	6RB#0	1.0852	1.226	PASS
2	1.4MHz	QPSK	18900	6RB#0	1.0863	1.206	PASS
2	1.4MHz	16QAM	18900	6RB#0	1.0863	1.227	PASS
2	1.4MHz	QPSK	19193	6RB#0	1.0861	1.231	PASS
2	1.4MHz	16QAM	19193	6RB#0	1.0866	1.214	PASS
2	3MHz	QPSK	18615	15RB#0	2.6997	2.944	PASS
2	3MHz	16QAM	18615	15RB#0	2.6984	2.930	PASS
2	3MHz	QPSK	18900	15RB#0	2.6981	2.915	PASS
2	3MHz	16QAM	18900	15RB#0	2.6976	2.933	PASS
2	3MHz	QPSK	19185	15RB#0	2.6973	2.918	PASS
2	3MHz	16QAM	19185	15RB#0	2.6972	2.922	PASS
2	5MHz	QPSK	18625	25RB#0	4.4922	4.832	PASS
2	5MHz	16QAM	18625	25RB#0	4.4996	4.844	PASS
2	5MHz	QPSK	18900	25RB#0	4.4867	4.824	PASS
2	5MHz	16QAM	18900	25RB#0	4.4906	4.839	PASS
2	5MHz	QPSK	19175	25RB#0	4.4818	4.839	PASS
2	5MHz	16QAM	19175	25RB#0	4.4932	4.848	PASS
2	10MHz	QPSK	18650	50RB#0	8.9726	9.550	PASS
2	10MHz	16QAM	18650	50RB#0	8.9796	9.518	PASS
2	10MHz	QPSK	18900	50RB#0	8.9474	9.488	PASS
2	10MHz	16QAM	18900	50RB#0	8.9582	9.530	PASS
2	10MHz	QPSK	19150	50RB#0	8.9402	9.504	PASS
2	10MHz	16QAM	19150	50RB#0	8.9496	9.498	PASS
2	15MHz	QPSK	18675	75RB#0	13.459	14.22	PASS
2	15MHz	16QAM	18675	75RB#0	13.446	14.22	PASS
2	15MHz	QPSK	18900	75RB#0	13.442	14.21	PASS
2	15MHz	16QAM	18900	75RB#0	13.435	14.19	PASS
2	15MHz	QPSK	19125	75RB#0	13.436	14.20	PASS
2	15MHz	16QAM	19125	75RB#0	13.434	14.20	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
2	20MHz	QPSK	18700	100RB#0	17.912	18.94	PASS
2	20MHz	16QAM	18700	100RB#0	17.902	18.96	PASS
2	20MHz	QPSK	18900	100RB#0	17.877	18.97	PASS
2	20MHz	16QAM	18900	100RB#0	17.891	18.95	PASS
2	20MHz	QPSK	19100	100RB#0	17.930	19.02	PASS
2	20MHz	16QAM	19100	100RB#0	17.940	19.00	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
4	1.4MHz	QPSK	19957	6RB#0	1.0860	1.225	PASS
4	1.4MHz	16QAM	19957	6RB#0	1.0853	1.217	PASS
4	1.4MHz	QPSK	20175	6RB#0	1.0853	1.219	PASS
4	1.4MHz	16QAM	20175	6RB#0	1.0850	1.199	PASS
4	1.4MHz	QPSK	20393	6RB#0	1.0856	1.229	PASS
4	1.4MHz	16QAM	20393	6RB#0	1.0865	1.221	PASS
4	3MHz	QPSK	19965	15RB#0	2.7045	2.930	PASS
4	3MHz	16QAM	19965	15RB#0	2.6965	2.938	PASS
4	3MHz	QPSK	20175	15RB#0	2.7030	2.935	PASS
4	3MHz	16QAM	20175	15RB#0	2.6973	2.908	PASS
4	3MHz	QPSK	20385	15RB#0	2.7013	2.930	PASS
4	3MHz	16QAM	20385	15RB#0	2.6960	2.941	PASS
4	5MHz	QPSK	19975	25RB#0	4.4877	4.811	PASS
4	5MHz	16QAM	19975	25RB#0	4.4923	4.856	PASS
4	5MHz	QPSK	20175	25RB#0	4.4816	4.813	PASS
4	5MHz	16QAM	20175	25RB#0	4.4956	4.828	PASS
4	5MHz	QPSK	20375	25RB#0	4.4882	4.825	PASS
4	5MHz	16QAM	20375	25RB#0	4.5083	4.842	PASS
4	10MHz	QPSK	20000	50RB#0	8.9582	9.503	PASS
4	10MHz	16QAM	20000	50RB#0	8.9746	9.532	PASS
4	10MHz	QPSK	20175	50RB#0	8.9551	9.499	PASS
4	10MHz	16QAM	20175	50RB#0	8.9672	9.482	PASS
4	10MHz	QPSK	20350	50RB#0	8.9811	9.542	PASS
4	10MHz	16QAM	20350	50RB#0	8.9830	9.544	PASS
4	15MHz	QPSK	20025	75RB#0	13.480	14.22	PASS
4	15MHz	16QAM	20025	75RB#0	13.457	14.21	PASS
4	15MHz	QPSK	20175	75RB#0	13.438	14.23	PASS
4	15MHz	16QAM	20175	75RB#0	13.428	14.19	PASS
4	15MHz	QPSK	20325	75RB#0	13.490	14.25	PASS
4	15MHz	16QAM	20325	75RB#0	13.472	14.24	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
4	20MHz	QPSK	20050	100RB#0	17.944	19.00	PASS
4	20MHz	16QAM	20050	100RB#0	17.936	18.97	PASS
4	20MHz	QPSK	20175	100RB#0	17.892	18.98	PASS
4	20MHz	16QAM	20175	100RB#0	17.911	18.96	PASS
4	20MHz	QPSK	20300	100RB#0	17.956	18.98	PASS
4	20MHz	16QAM	20300	100RB#0	17.957	19.01	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
5	1.4MHz	QPSK	20407	6RB#0	1.0858	1.216	PASS
5	1.4MHz	16QAM	20407	6RB#0	1.0863	1.211	PASS
5	1.4MHz	QPSK	20525	6RB#0	1.0871	1.211	PASS
5	1.4MHz	16QAM	20525	6RB#0	1.0850	1.212	PASS
5	1.4MHz	QPSK	20643	6RB#0	1.0846	1.215	PASS
5	1.4MHz	16QAM	20643	6RB#0	1.0869	1.212	PASS
5	3MHz	QPSK	20415	15RB#0	2.7012	2.928	PASS
5	3MHz	16QAM	20415	15RB#0	2.6965	2.928	PASS
5	3MHz	QPSK	20525	15RB#0	2.7024	2.918	PASS
5	3MHz	16QAM	20525	15RB#0	2.6985	2.921	PASS
5	3MHz	QPSK	20635	15RB#0	2.6967	2.921	PASS
5	3MHz	16QAM	20635	15RB#0	2.7009	2.935	PASS
5	5MHz	QPSK	20425	25RB#0	4.4828	4.808	PASS
5	5MHz	16QAM	20425	25RB#0	4.4977	4.831	PASS
5	5MHz	QPSK	20525	25RB#0	4.4882	4.810	PASS
5	5MHz	16QAM	20525	25RB#0	4.5043	4.811	PASS
5	5MHz	QPSK	20625	25RB#0	4.4897	4.807	PASS
5	5MHz	16QAM	20625	25RB#0	4.5116	4.841	PASS
5	10MHz	QPSK	20450	50RB#0	8.9612	9.488	PASS
5	10MHz	16QAM	20450	50RB#0	8.9598	9.508	PASS
5	10MHz	QPSK	20525	50RB#0	8.9710	9.501	PASS
5	10MHz	16QAM	20525	50RB#0	8.9777	9.480	PASS
5	10MHz	QPSK	20600	50RB#0	8.9463	9.466	PASS
5	10MHz	16QAM	20600	50RB#0	8.9623	9.484	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
7	5MHz	QPSK	20775	25RB#0	4.4896	4.814	PASS
7	5MHz	16QAM	20775	25RB#0	4.4967	4.847	PASS
7	5MHz	QPSK	21100	25RB#0	4.4888	4.782	PASS
7	5MHz	16QAM	21100	25RB#0	4.5029	4.829	PASS
7	5MHz	QPSK	21425	25RB#0	4.4870	4.822	PASS
7	5MHz	16QAM	21425	25RB#0	4.4960	4.829	PASS
7	10MHz	QPSK	20800	50RB#0	9.0293	9.677	PASS
7	10MHz	16QAM	20800	50RB#0	9.0342	9.701	PASS
7	10MHz	QPSK	21100	50RB#0	9.0219	9.687	PASS
7	10MHz	16QAM	21100	50RB#0	9.0445	9.699	PASS
7	10MHz	QPSK	21400	50RB#0	9.0342	9.684	PASS
7	10MHz	16QAM	21400	50RB#0	9.0390	9.712	PASS
7	15MHz	QPSK	20825	75RB#0	13.458	14.22	PASS
7	15MHz	16QAM	20825	75RB#0	13.447	14.20	PASS
7	15MHz	QPSK	21100	75RB#0	13.472	14.21	PASS
7	15MHz	16QAM	21100	75RB#0	13.457	14.20	PASS
7	15MHz	QPSK	21375	75RB#0	13.477	14.21	PASS
7	15MHz	16QAM	21375	75RB#0	13.469	14.21	PASS
7	20MHz	QPSK	20850	100RB#0	17.925	19.00	PASS
7	20MHz	16QAM	20850	100RB#0	17.925	19.00	PASS
7	20MHz	QPSK	21100	100RB#0	17.953	19.02	PASS
7	20MHz	16QAM	21100	100RB#0	17.946	19.00	PASS
7	20MHz	QPSK	21350	100RB#0	17.968	18.97	PASS
7	20MHz	16QAM	21350	100RB#0	17.973	18.98	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
17	5MHz	QPSK	23755	25RB#0	4.4884	4.811	PASS
17	5MHz	16QAM	23755	25RB#0	4.5021	4.824	PASS
17	5MHz	QPSK	23790	25RB#0	4.4761	4.818	PASS
17	5MHz	16QAM	23790	25RB#0	4.4870	4.801	PASS
17	5MHz	QPSK	23825	25RB#0	4.4989	4.822	PASS
17	5MHz	16QAM	23825	25RB#0	4.5172	4.837	PASS
17	10MHz	QPSK	23780	50RB#0	8.9146	9.423	PASS
17	10MHz	16QAM	23780	50RB#0	8.9154	9.443	PASS
17	10MHz	QPSK	23790	50RB#0	8.9108	9.439	PASS
17	10MHz	16QAM	23790	50RB#0	8.9074	9.430	PASS
17	10MHz	QPSK	23800	50RB#0	8.9109	9.433	PASS
17	10MHz	16QAM	23800	50RB#0	8.9256	9.474	PASS

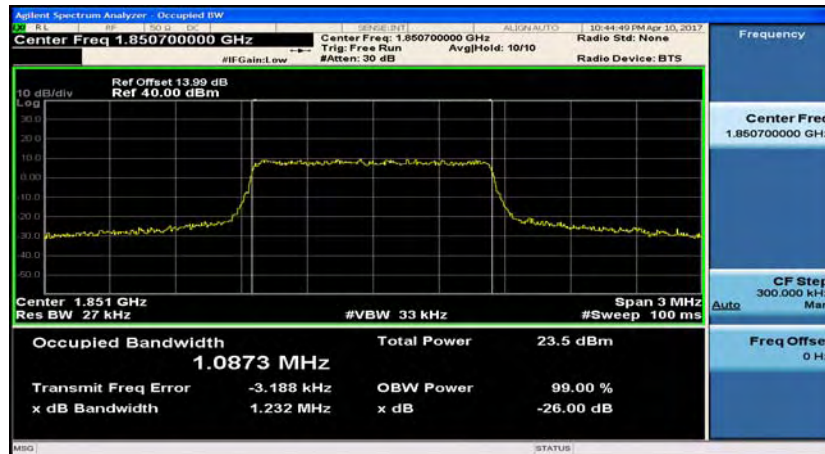


Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
41	5MHz	QPSK	39675	25RB#0	4.4877	4.837	PASS
41	5MHz	16QAM	39675	25RB#0	4.5038	4.824	PASS
41	5MHz	QPSK	40620	25RB#0	4.4879	4.821	PASS
41	5MHz	16QAM	40620	25RB#0	4.4997	4.843	PASS
41	5MHz	QPSK	41565	25RB#0	4.4812	4.809	PASS
41	5MHz	16QAM	41565	25RB#0	4.4985	4.843	PASS
41	10MHz	QPSK	39700	50RB#0	8.9546	9.497	PASS
41	10MHz	16QAM	39700	50RB#0	8.9679	9.536	PASS
41	10MHz	QPSK	40620	50RB#0	8.9460	9.478	PASS
41	10MHz	16QAM	40620	50RB#0	8.9618	9.500	PASS
41	10MHz	QPSK	41540	50RB#0	8.9404	9.457	PASS
41	10MHz	16QAM	41540	50RB#0	8.9678	9.482	PASS
41	15MHz	QPSK	39725	75RB#0	13.459	14.21	PASS
41	15MHz	16QAM	39725	75RB#0	13.458	14.19	PASS
41	15MHz	QPSK	40620	75RB#0	13.465	14.24	PASS
41	15MHz	16QAM	40620	75RB#0	13.457	14.21	PASS
41	15MHz	QPSK	41515	75RB#0	13.459	14.22	PASS
41	15MHz	16QAM	41515	75RB#0	13.448	14.20	PASS
41	20MHz	QPSK	39750	100RB#0	17.928	19.00	PASS
41	20MHz	16QAM	39750	100RB#0	17.920	18.99	PASS
41	20MHz	QPSK	40620	100RB#0	17.935	19.01	PASS
41	20MHz	16QAM	40620	100RB#0	17.930	18.96	PASS
41	20MHz	QPSK	41490	100RB#0	17.929	18.98	PASS
41	20MHz	16QAM	41490	100RB#0	17.923	18.95	PASS

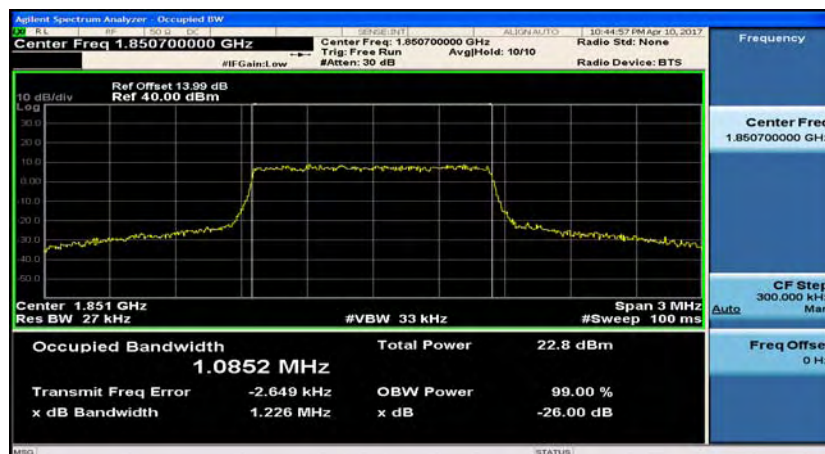


Test Graphs

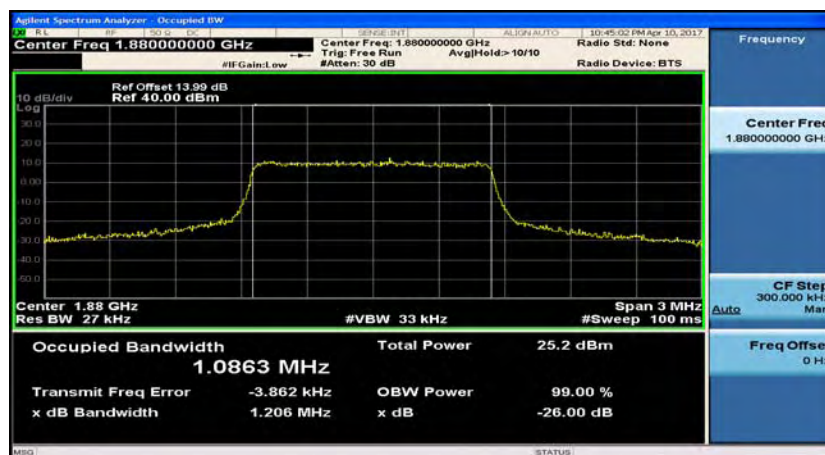
Band2_1.4MHz_QPSK_18607_6RB#0_1.0873_1.232_PASS



Band2_1.4MHz_16QAM_18607_6RB#0_1.0852_1.226_PASS

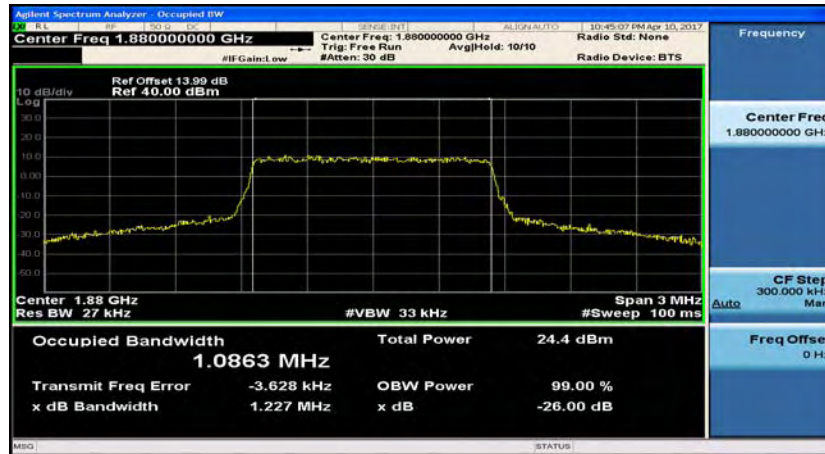


Band2_1.4MHz_QPSK_18900_6RB#0_1.0863_1.206_PASS

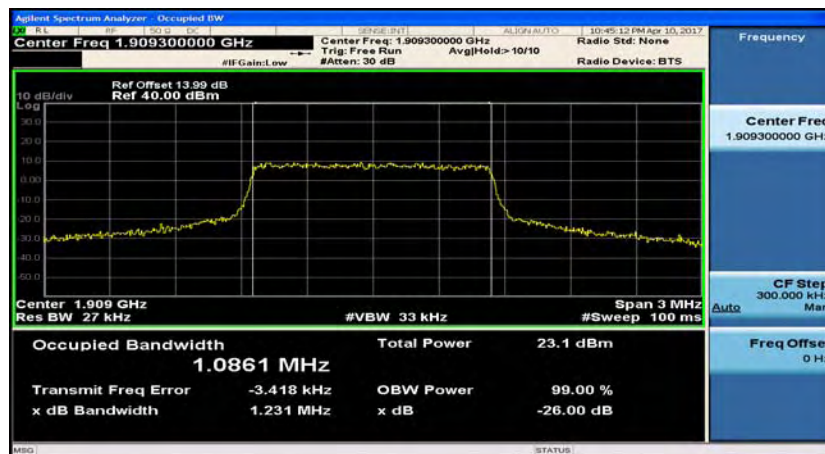




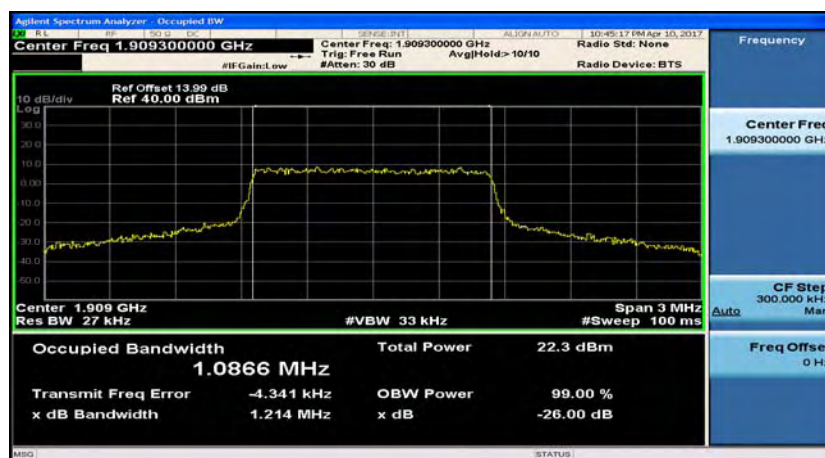
Band2_1.4MHz_16QAM_18900_6RB#0_1.0863_1.227_PASS



Band2_1.4MHz_QPSK_19193_6RB#0_1.0861_1.231_PASS

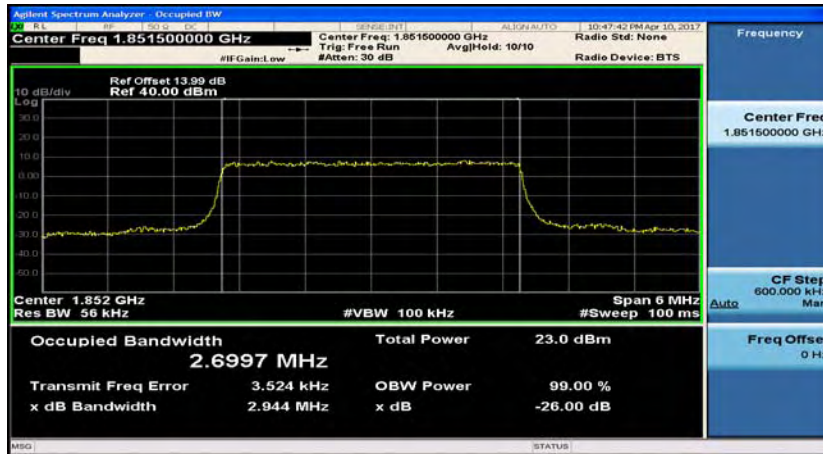


Band2_1.4MHz_16QAM_19193_6RB#0_1.0866_1.214_PASS

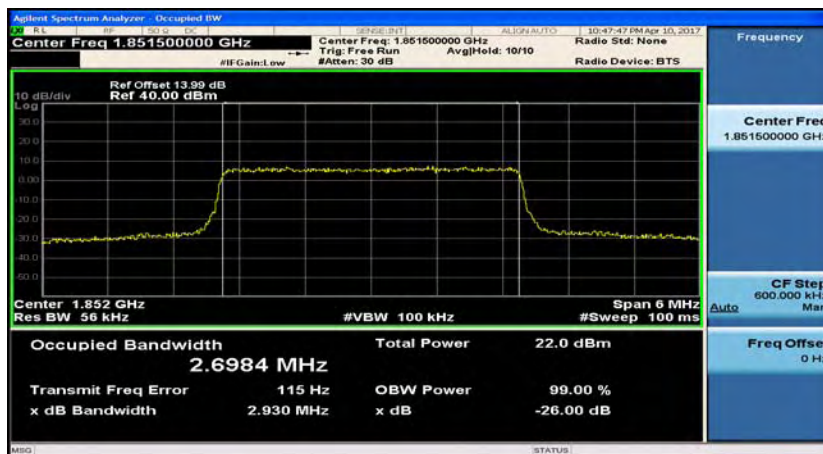




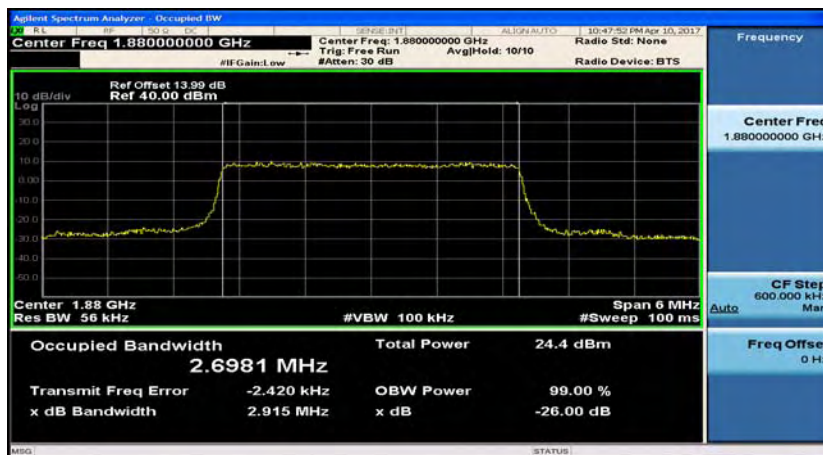
Band2_3MHz_QPSK_18615_15RB#0_2.6997_2.944_PASS



Band2_3MHz_16QAM_18615_15RB#0_2.6984_2.930_PASS

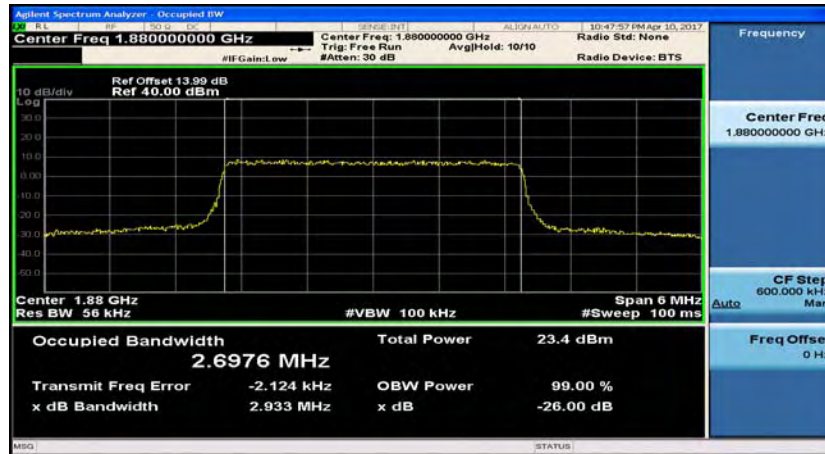


Band2_3MHz_QPSK_18900_15RB#0_2.6981_2.915_PASS

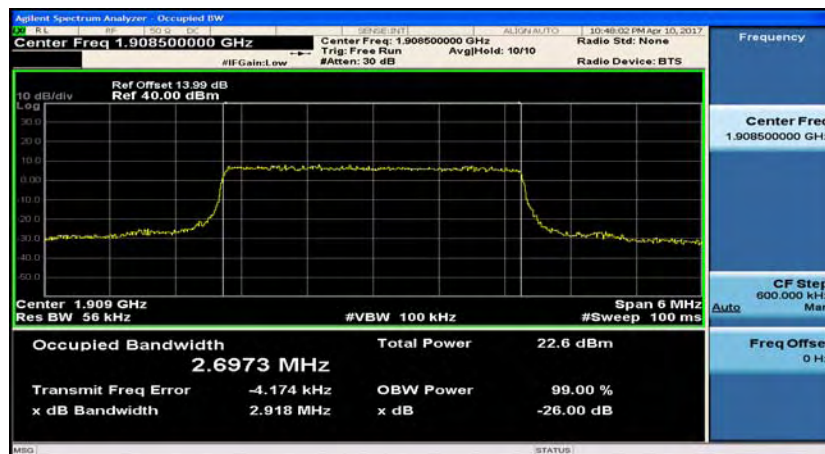




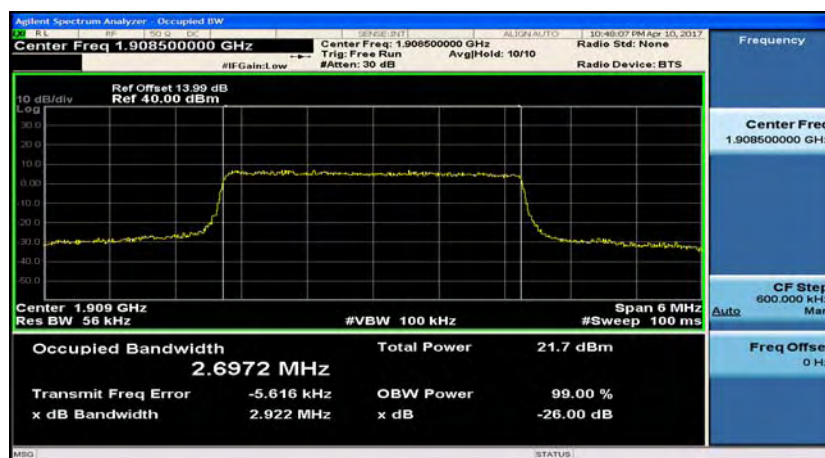
Band2_3MHz_16QAM_18900_15RB#0_2.6976_2.933_PASS



Band2_3MHz_QPSK_19185_15RB#0_2.6973_2.918_PASS

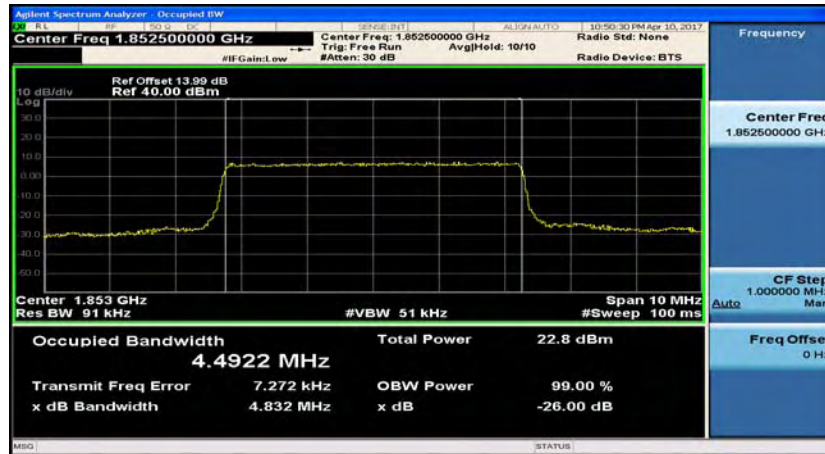


Band2_3MHz_16QAM_19185_15RB#0_2.6972_2.922_PASS

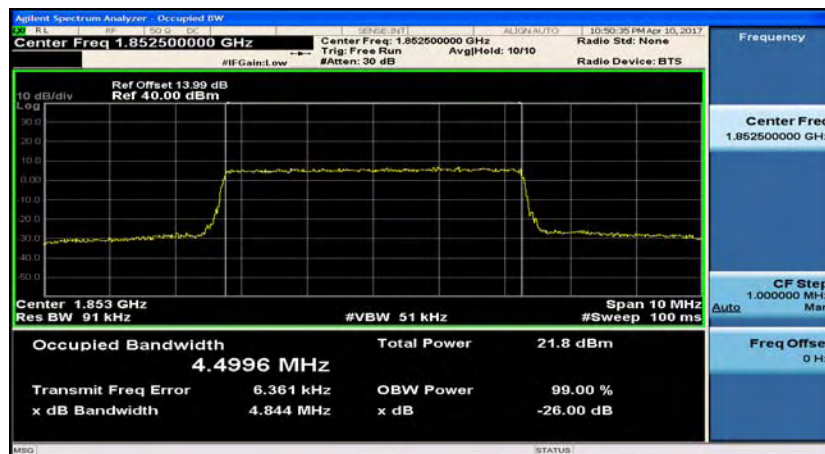




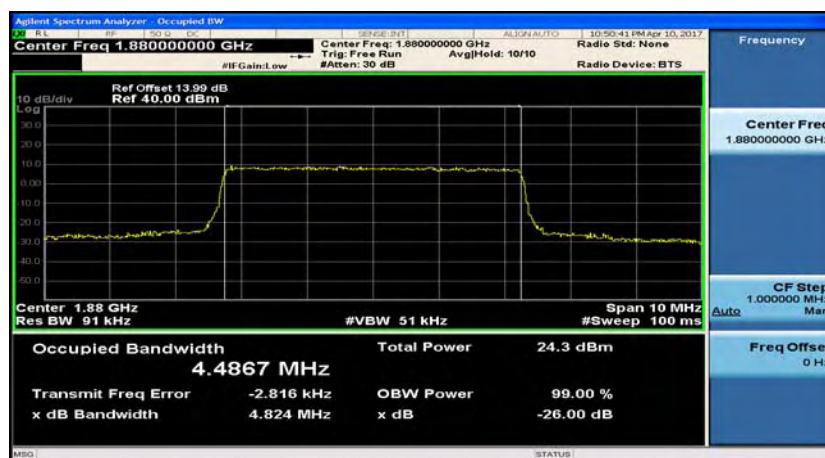
Band2_5MHz_QPSK_18625_25RB#0_4.4922_4.832_PASS



Band2_5MHz_16QAM_18625_25RB#0_4.4996_4.844_PASS

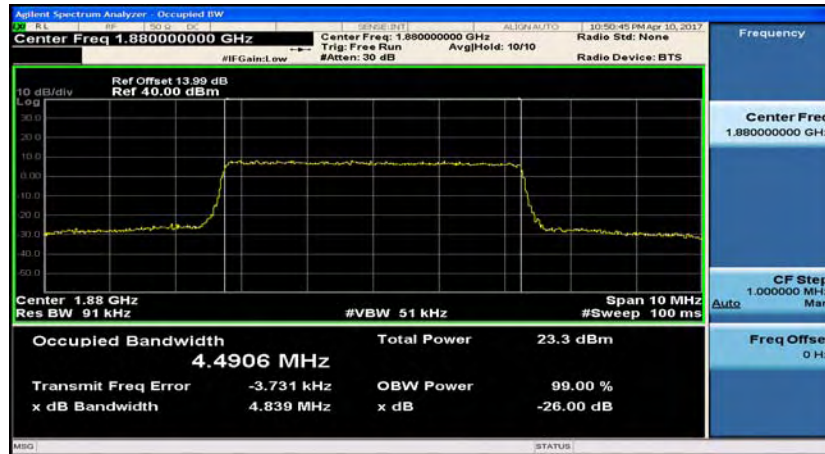


Band2_5MHz_QPSK_18900_25RB#0_4.4867_4.824_PASS

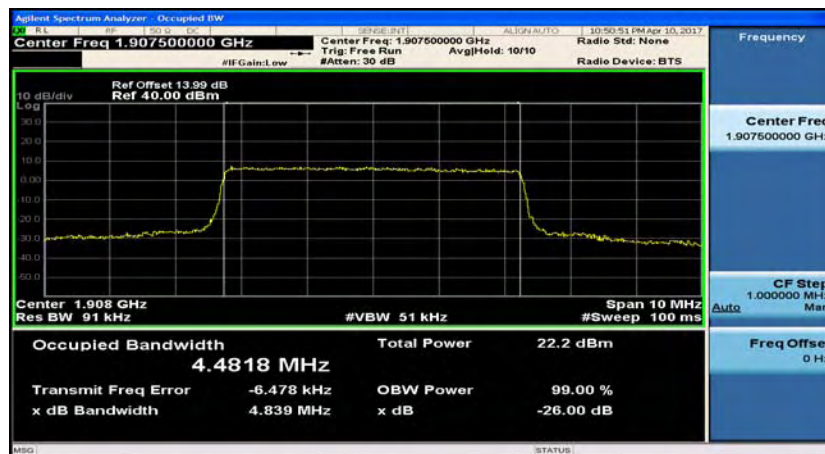




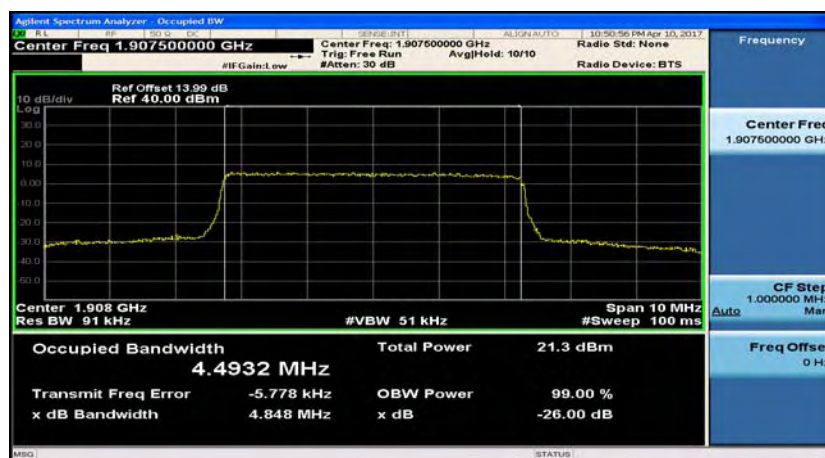
Band2_5MHz_16QAM_18900_25RB#0_4.4906_4.839_PASS



Band2_5MHz_QPSK_19175_25RB#0_4.4818_4.839_PASS

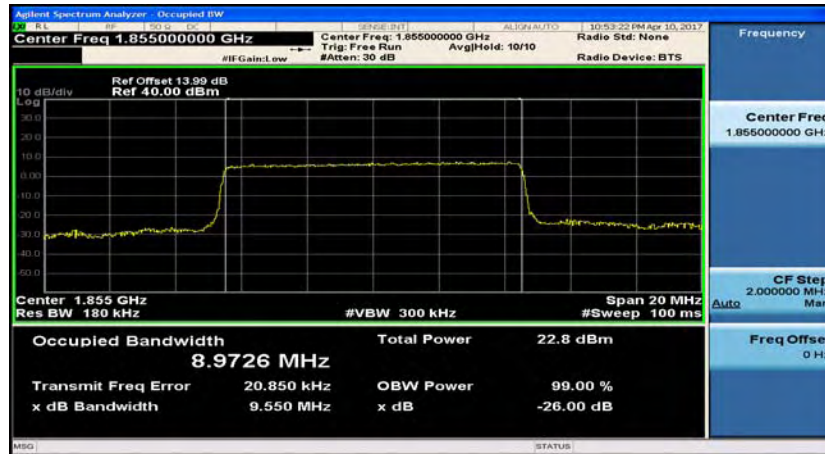


Band2_5MHz_16QAM_19175_25RB#0_4.4932_4.848_PASS

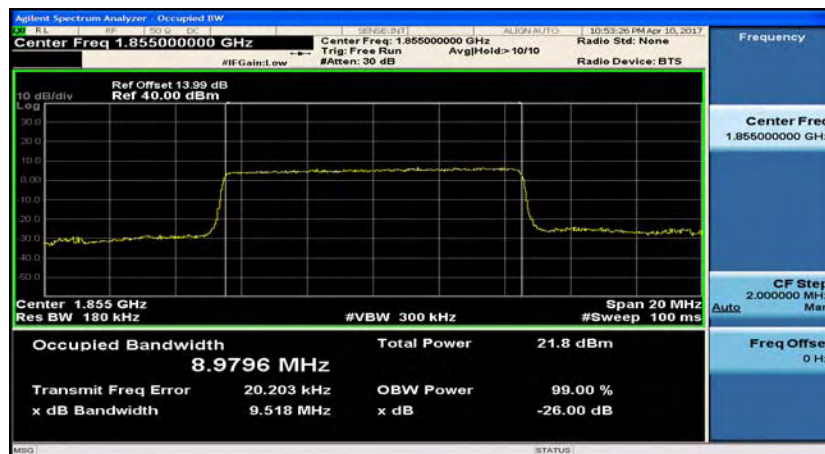




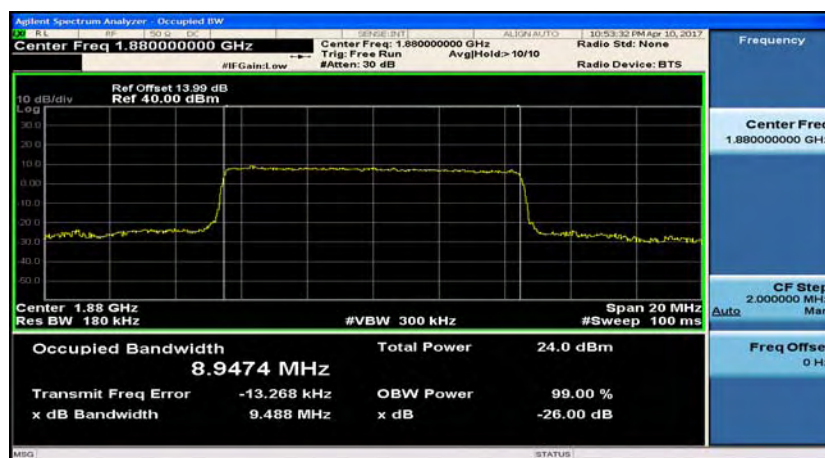
Band2_10MHz_QPSK_18650_50RB#0_8.9726_9.550_PASS



Band2_10MHz_16QAM_18650_50RB#0_8.9796_9.518_PASS

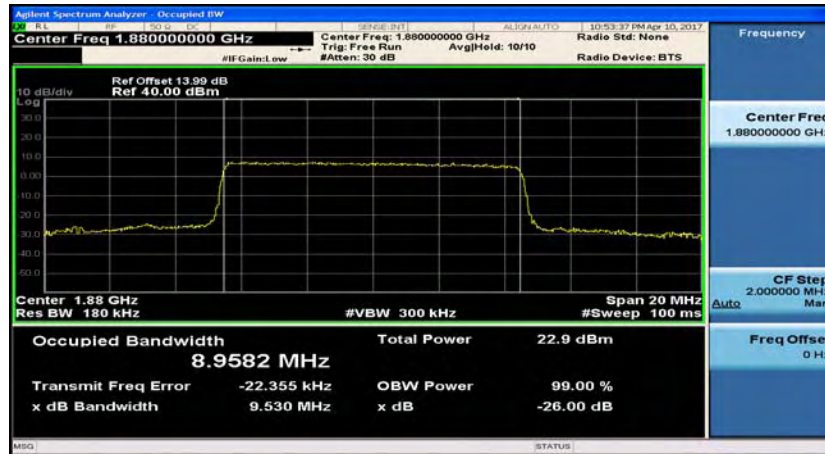


Band2_10MHz_QPSK_18900_50RB#0_8.9474_9.488_PASS

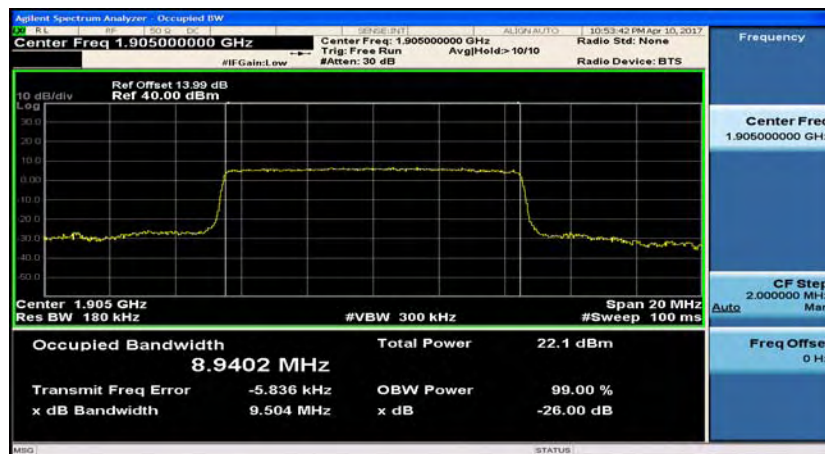




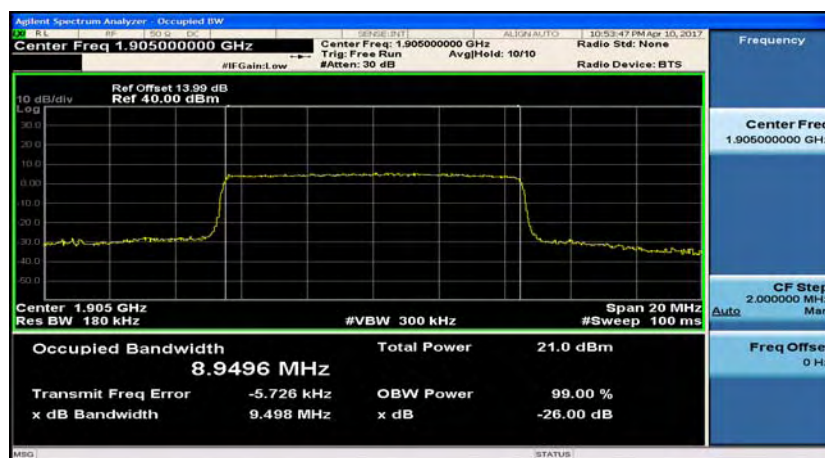
Band2_10MHz_16QAM_18900_50RB#0_8.9582_9.530_PASS



Band2_10MHz_QPSK_19150_50RB#0_8.9402_9.504_PASS

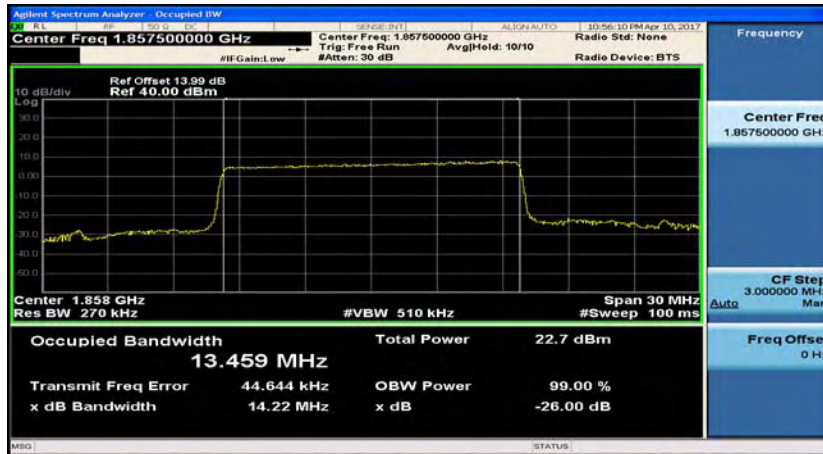


Band2_10MHz_16QAM_19150_50RB#0_8.9496_9.498_PASS

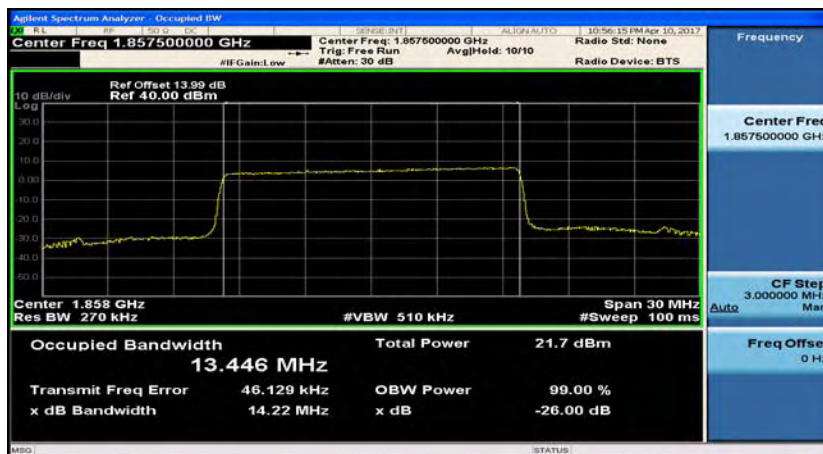




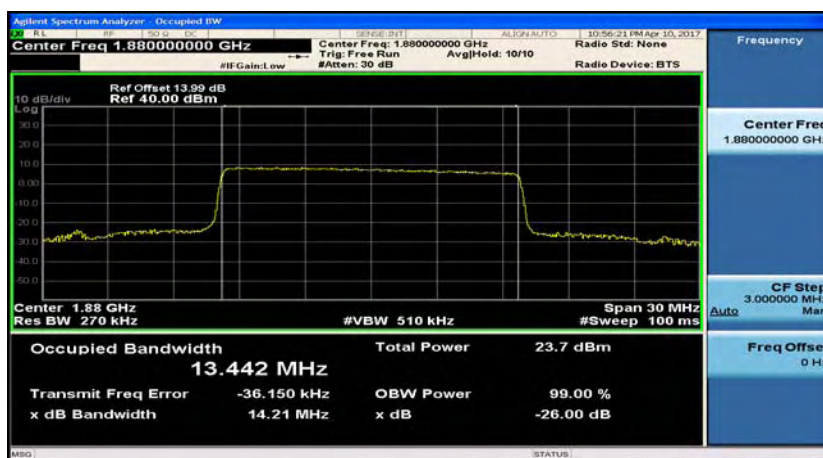
Band2_15MHz_QPSK_18675_75RB#0_13.459_14.22_PASS



Band2_15MHz_16QAM_18675_75RB#0_13.446_14.22_PASS

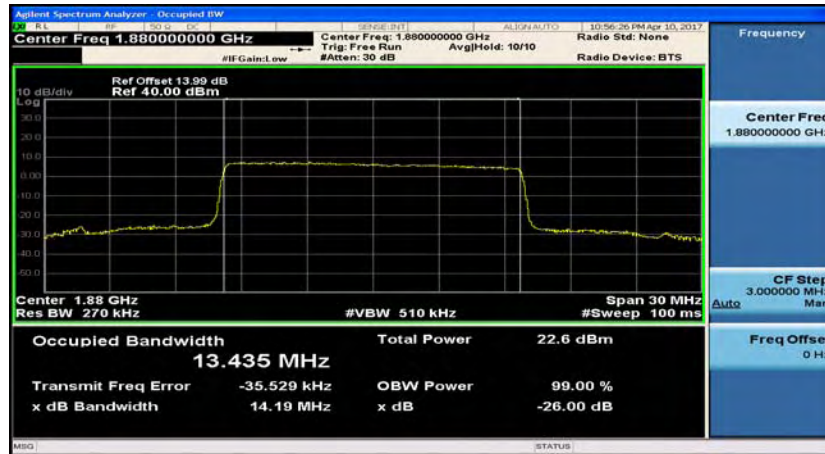


Band2_15MHz_QPSK_18900_75RB#0_13.442_14.21_PASS

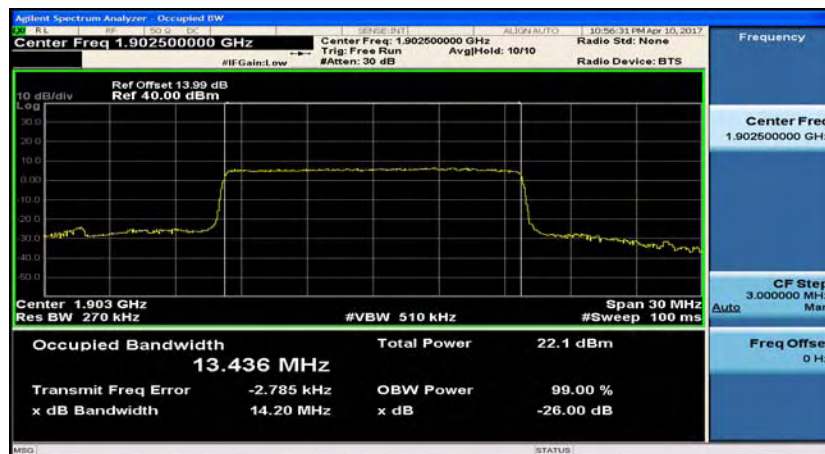




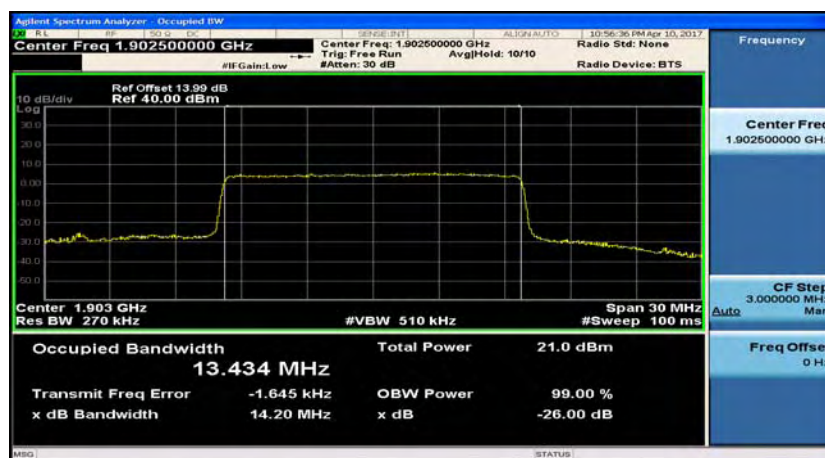
Band2_15MHz_16QAM_18900_75RB#0_13.435_14.19_PASS



Band2_15MHz_QPSK_19125_75RB#0_13.436_14.20_PASS

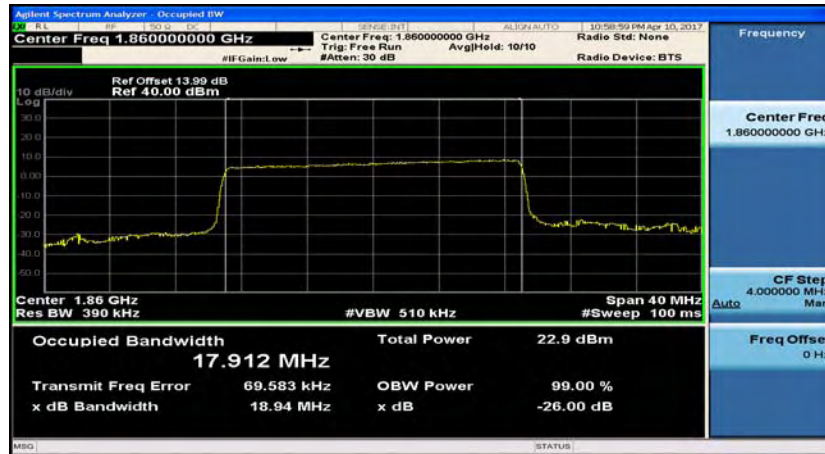


Band2_15MHz_16QAM_19125_75RB#0_13.434_14.20_PASS

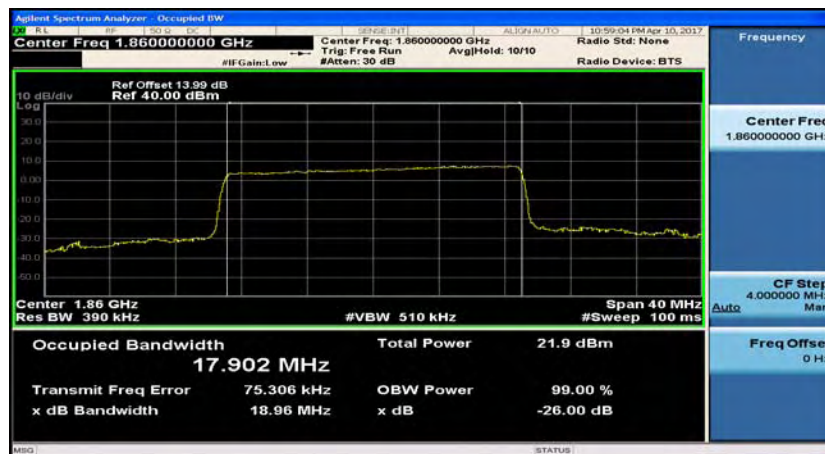




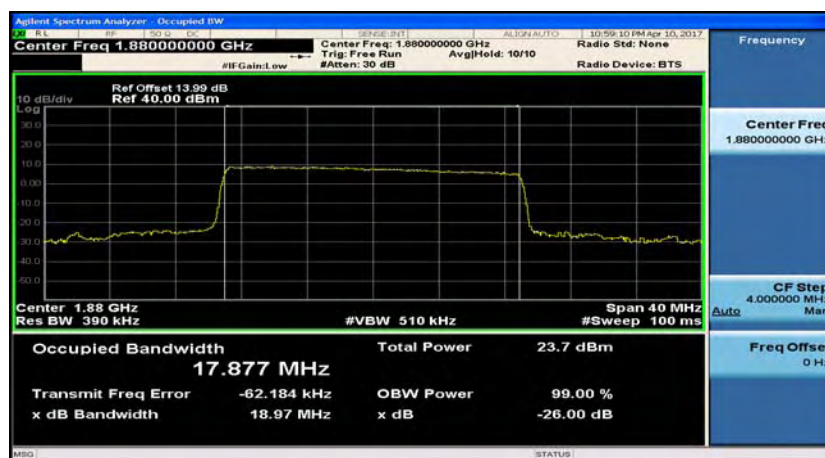
Band2_20MHz_QPSK_18700_100RB#0_17.912_18.94_PASS



Band2_20MHz_16QAM_18700_100RB#0_17.902_18.96_PASS

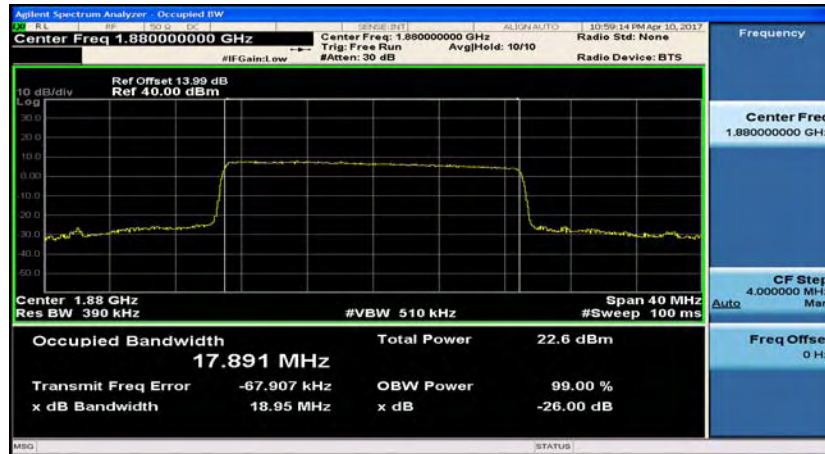


Band2_20MHz_QPSK_18900_100RB#0_17.877_18.97_PASS

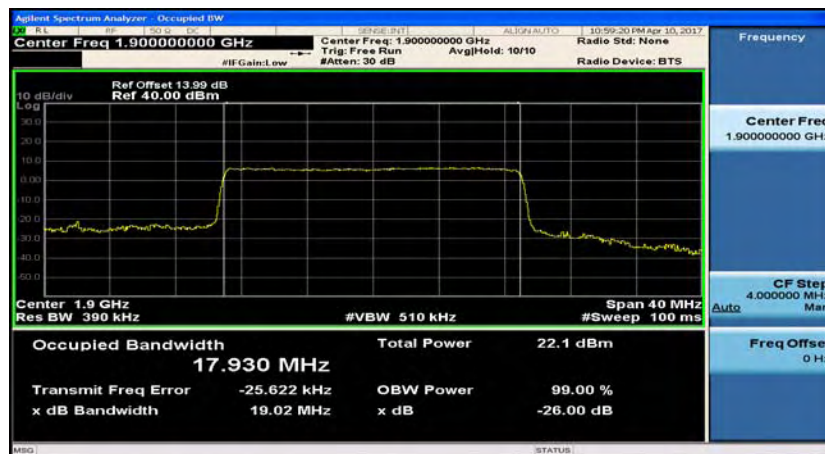




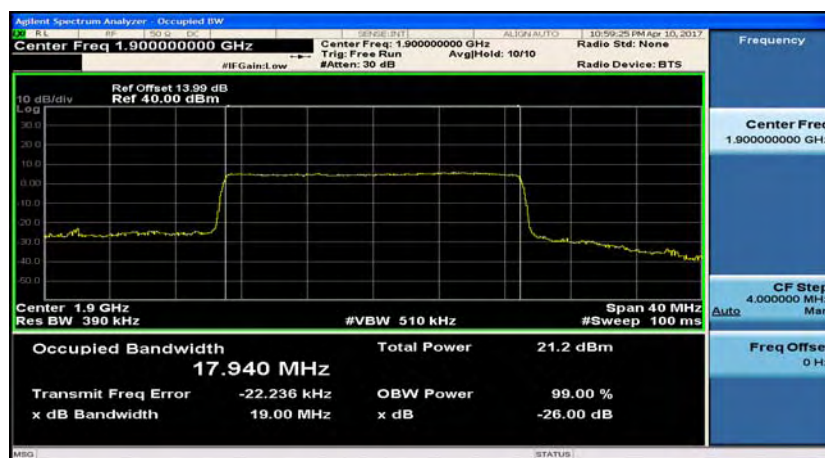
Band2_20MHz_16QAM_18900_100RB#0_17.891_18.95_PASS



Band2_20MHz_QPSK_19100_100RB#0_17.930_19.02_PASS

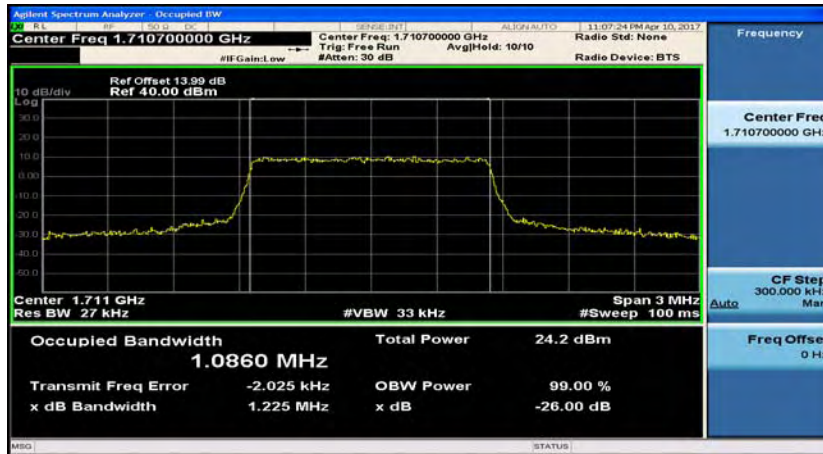


Band2_20MHz_16QAM_19100_100RB#0_17.940_19.00_PASS

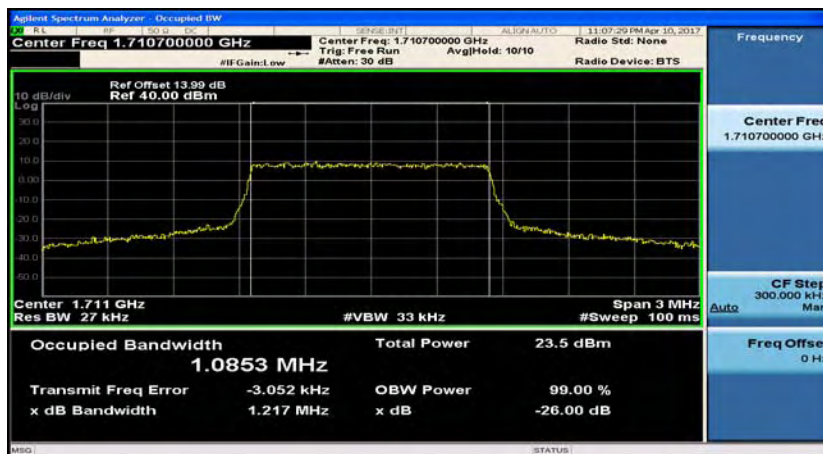




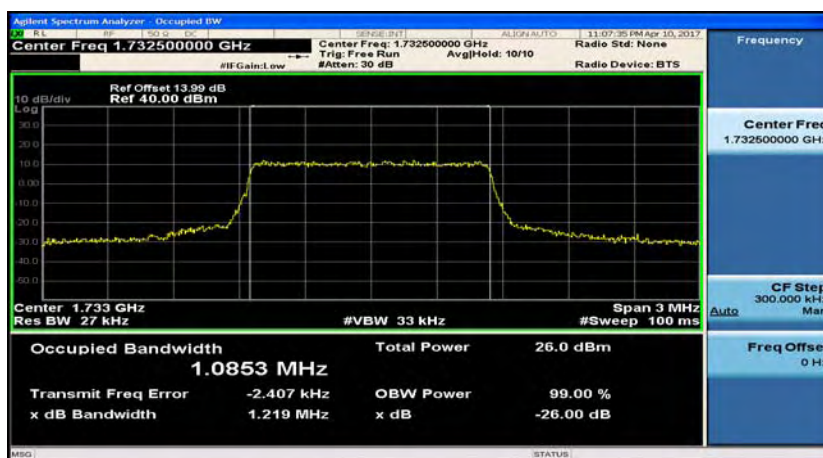
Band4_1.4MHz_QPSK_19957_6RB#0_1.0860_1.225_PASS



Band4_1.4MHz_16QAM_19957_6RB#0_1.0853_1.217_PASS

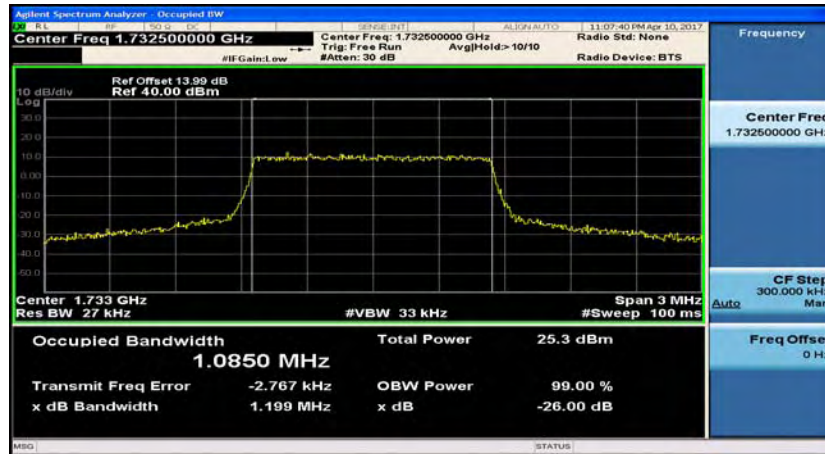


Band4_1.4MHz_QPSK_20175_6RB#0_1.0853_1.219_PASS

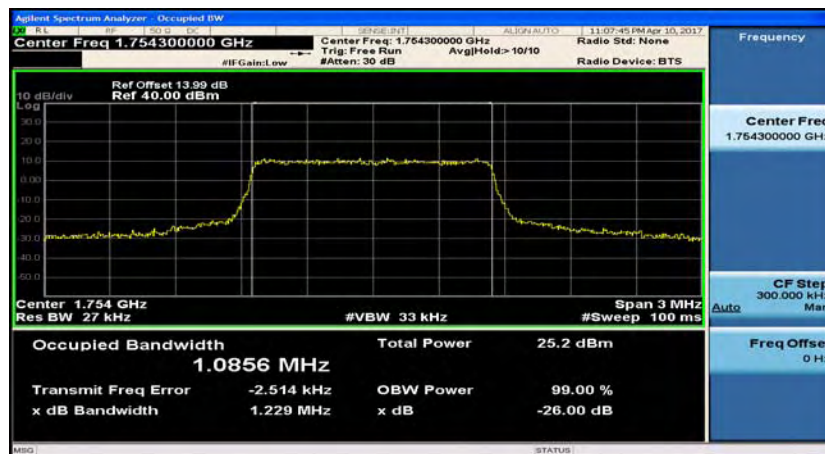




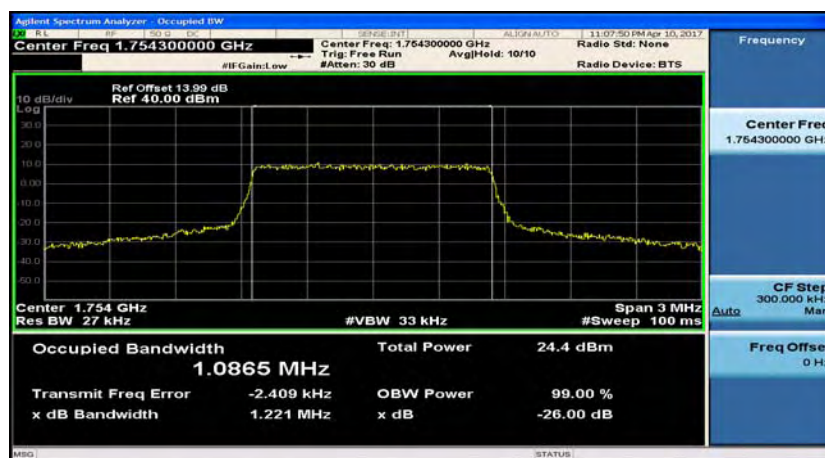
Band4_1.4MHz_16QAM_20175_6RB#0_1.0850_1.199_PASS



Band4_1.4MHz_QPSK_20393_6RB#0_1.0856_1.229_PASS

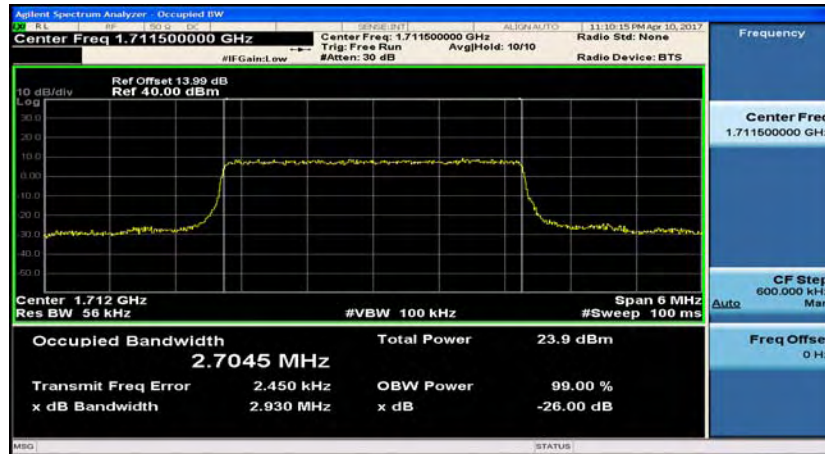


Band4_1.4MHz_16QAM_20393_6RB#0_1.0865_1.221_PASS

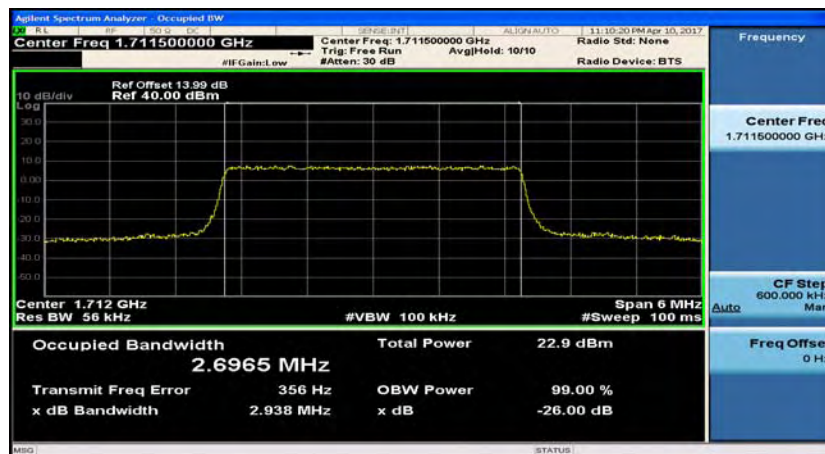




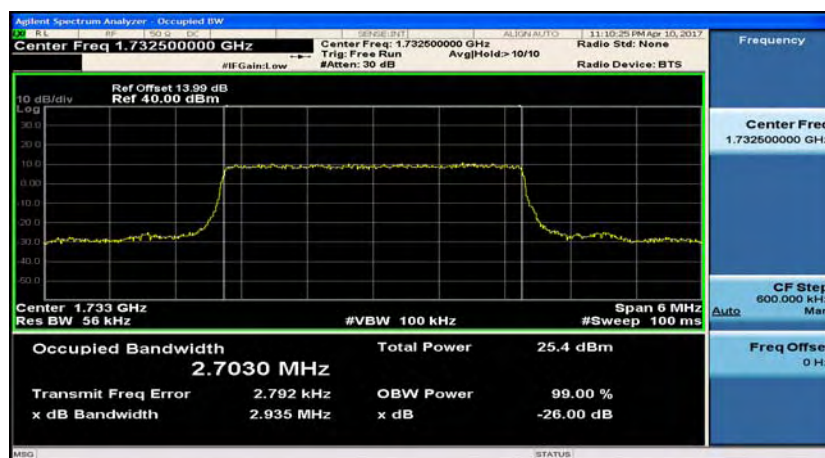
Band4_3MHz_QPSK_19965_15RB#0_2.7045_2.930_PASS



Band4_3MHz_16QAM_19965_15RB#0_2.6965_2.938_PASS

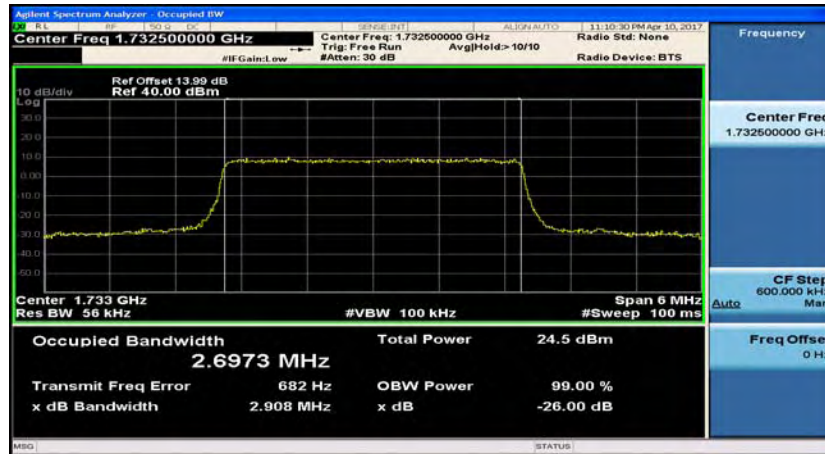


Band4_3MHz_QPSK_20175_15RB#0_2.7030_2.935_PASS

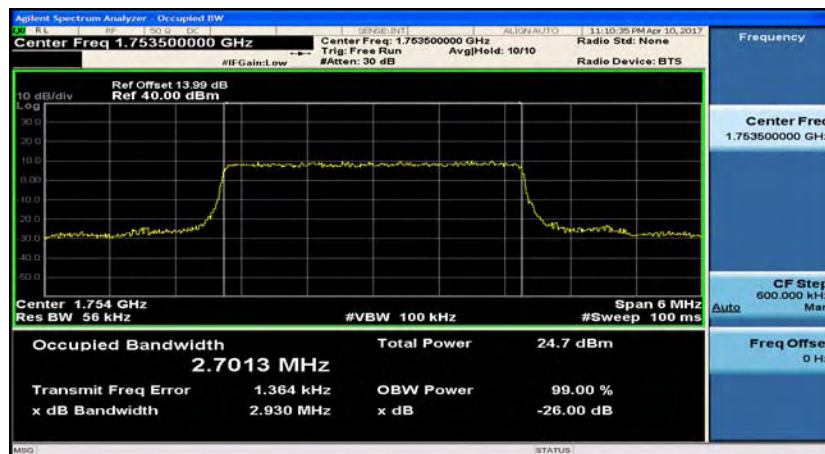




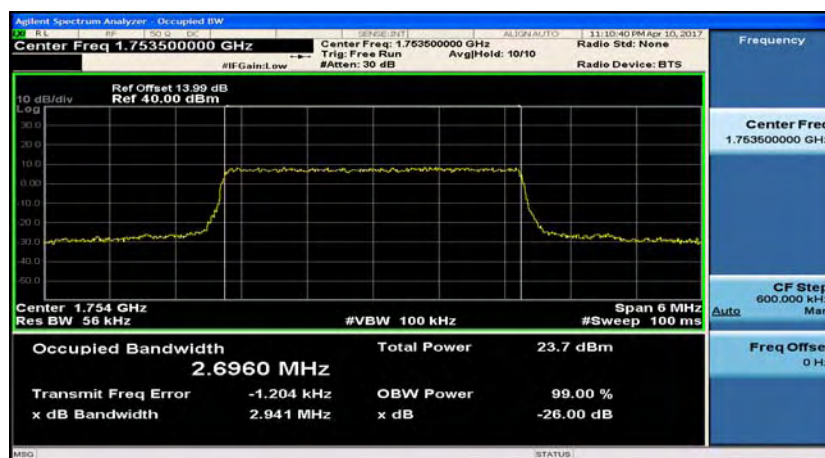
Band4_3MHz_16QAM_20175_15RB#0_2.6973_2.908_PASS



Band4_3MHz_QPSK_20385_15RB#0_2.7013_2.930_PASS

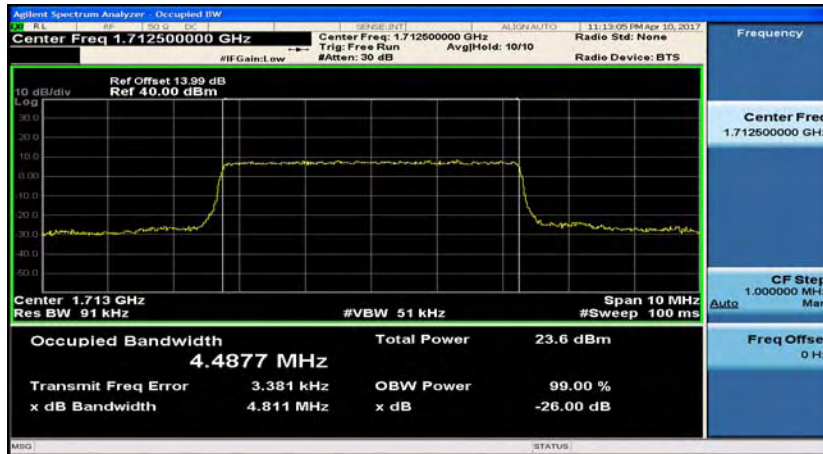


Band4_3MHz_16QAM_20385_15RB#0_2.6960_2.941_PASS

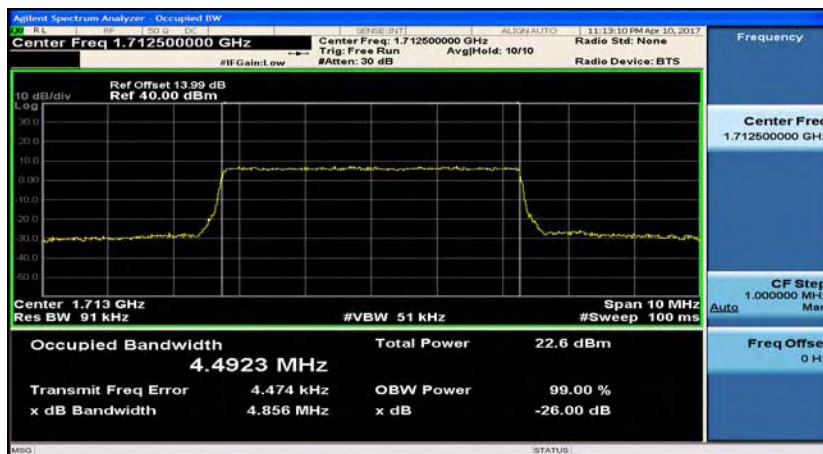




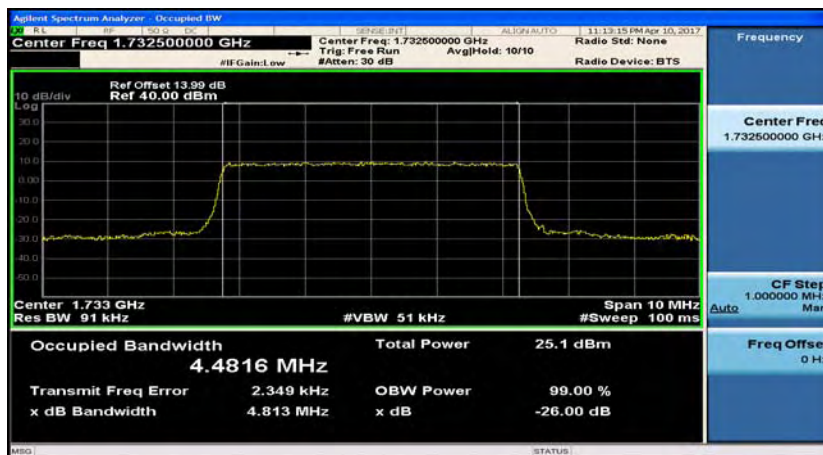
Band4_5MHz_QPSK_19975_25RB#0_4.4877_4.811_PASS



Band4_5MHz_16QAM_19975_25RB#0_4.4923_4.856_PASS

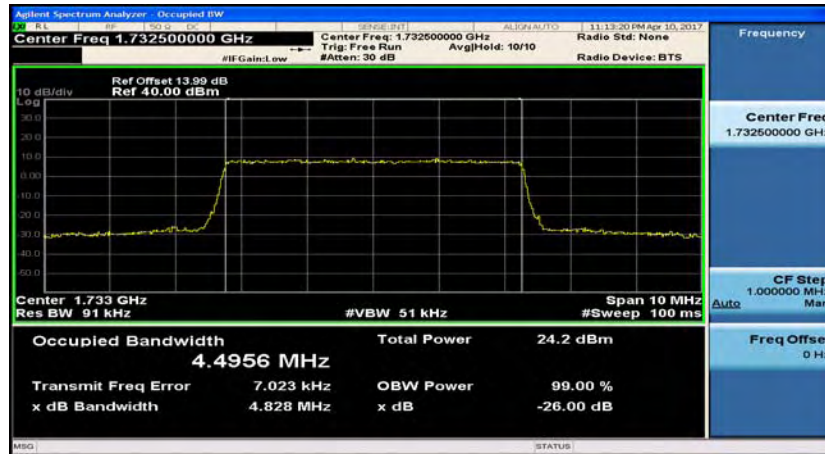


Band4_5MHz_QPSK_20175_25RB#0_4.4816_4.813_PASS

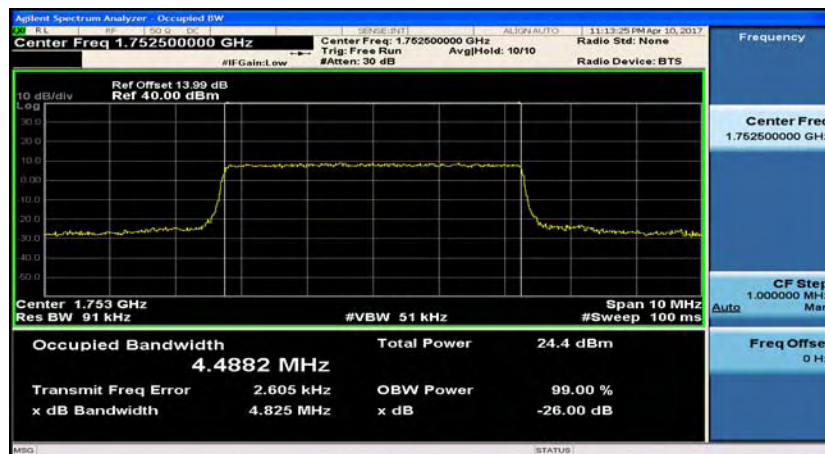




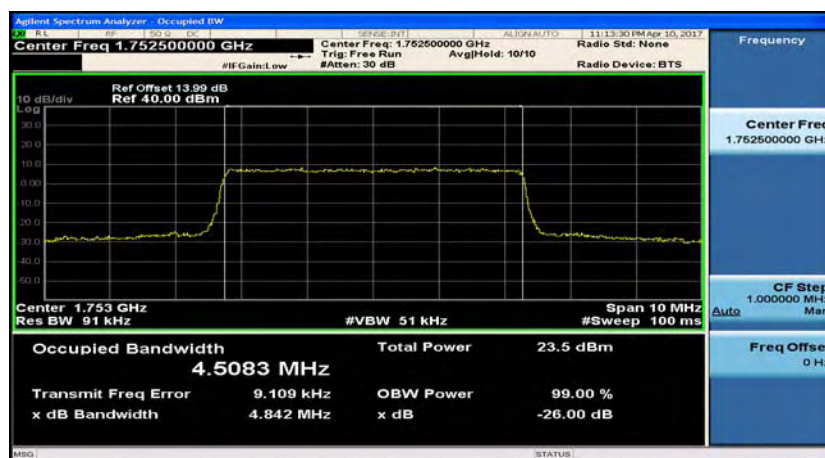
Band4_5MHz_16QAM_20175_25RB#0_4.4956_4.828_PASS



Band4_5MHz_QPSK_20375_25RB#0_4.4882_4.825_PASS

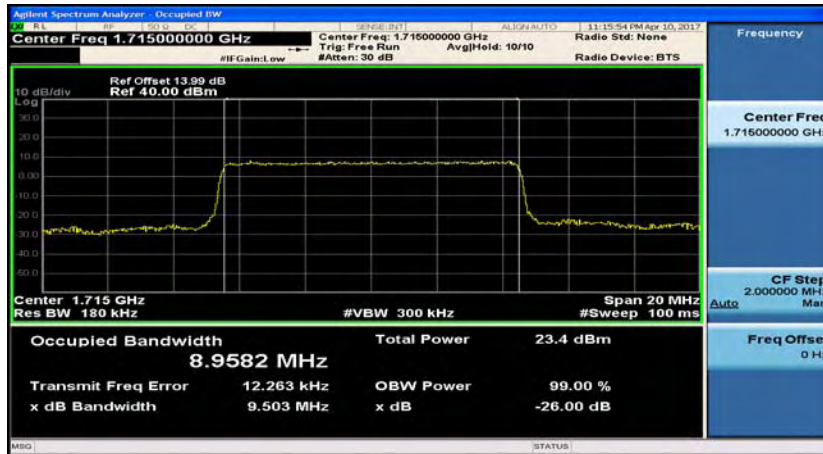


Band4_5MHz_16QAM_20375_25RB#0_4.5083_4.842_PASS

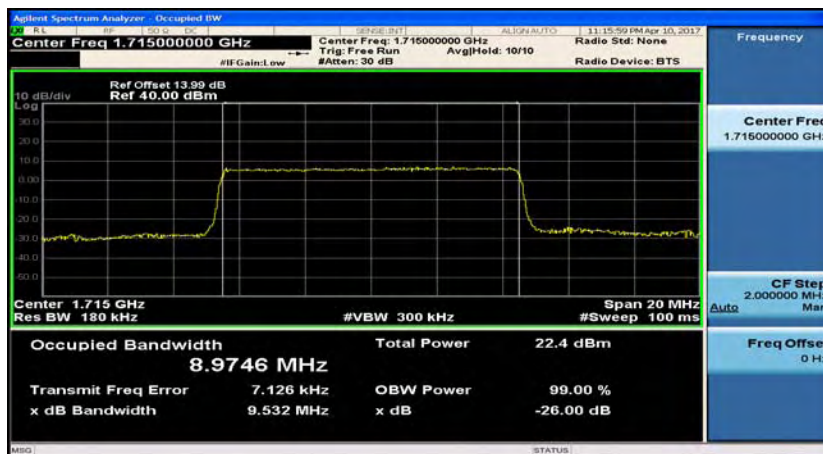




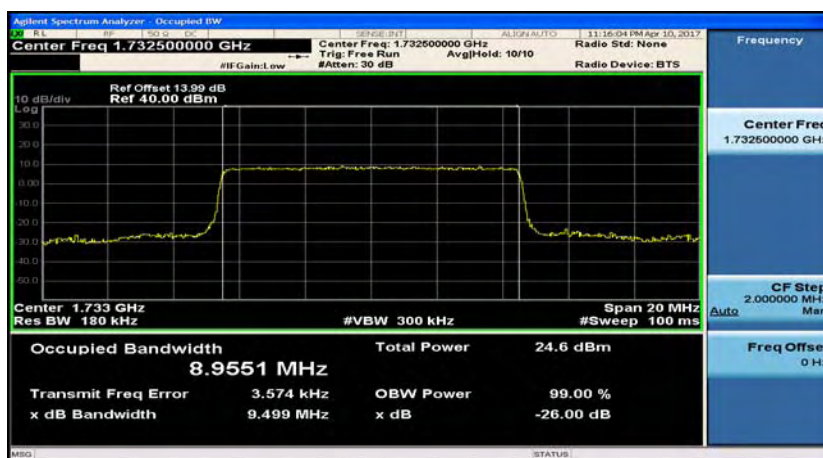
Band4_10MHz_QPSK_20000_50RB#0_8.9582_9.503_PASS



Band4_10MHz_16QAM_20000_50RB#0_8.9746_9.532_PASS

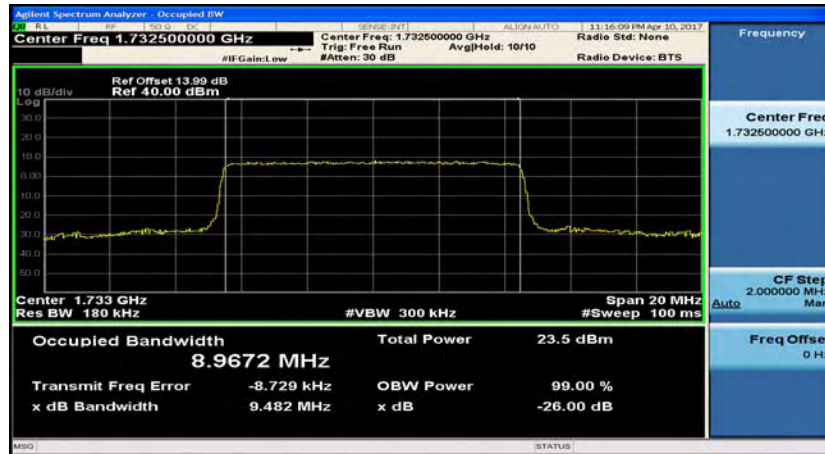


Band4_10MHz_QPSK_20175_50RB#0_8.9551_9.499_PASS

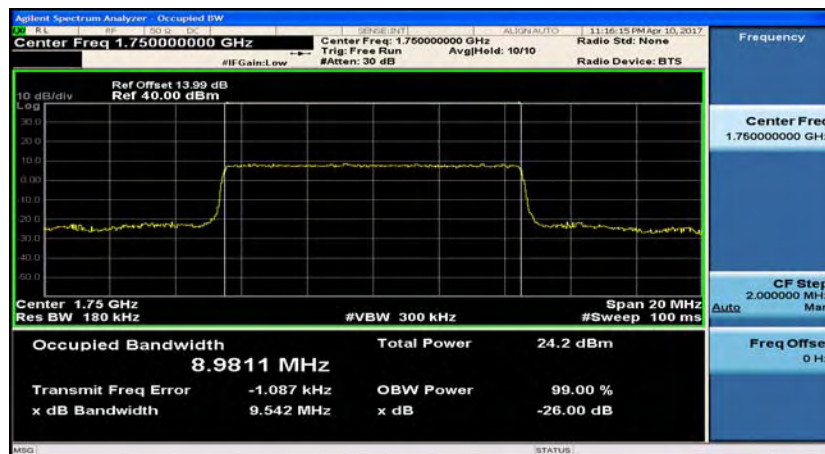




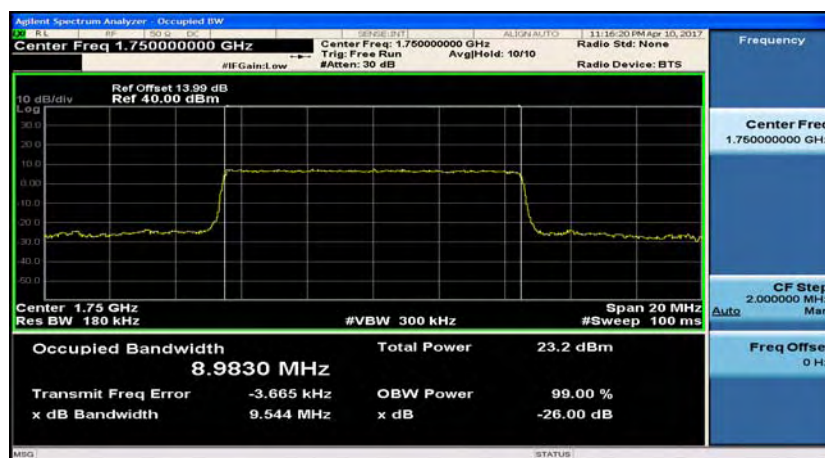
Band4_10MHz_16QAM_20175_50RB#0_8.9672_9.482_PASS



Band4_10MHz_QPSK_20350_50RB#0_8.9811_9.542_PASS

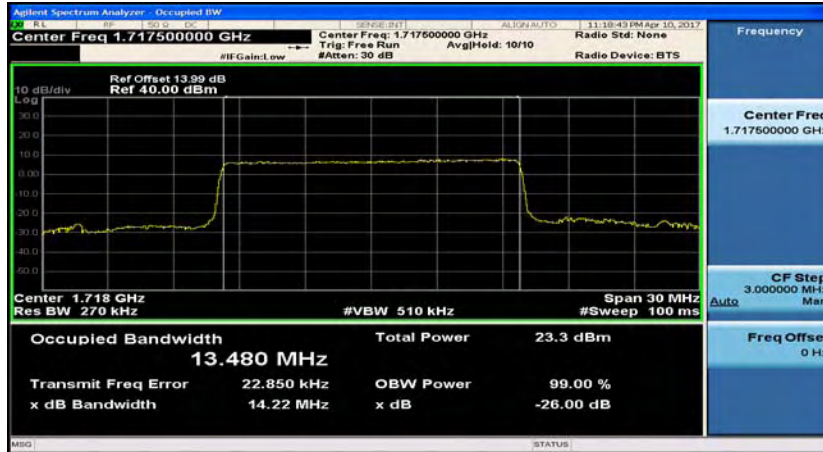


Band4_10MHz_16QAM_20350_50RB#0_8.9830_9.544_PASS

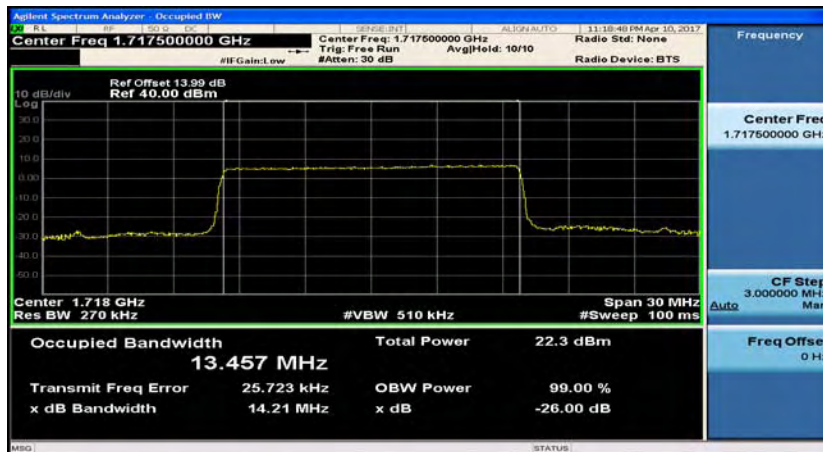




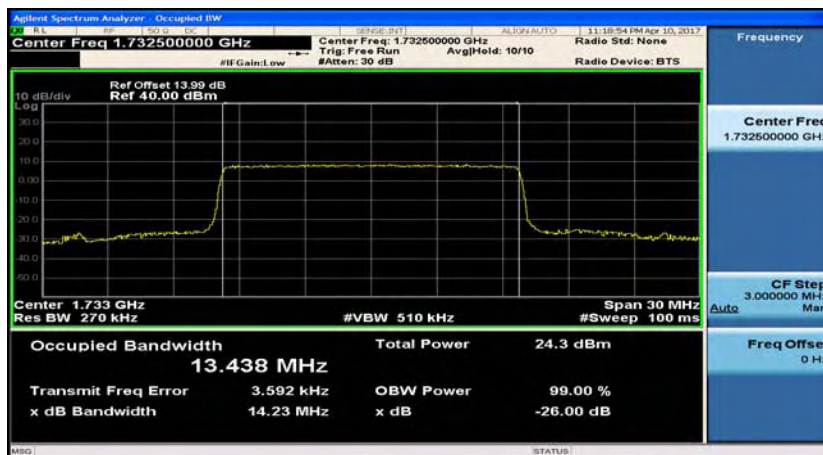
Band4_15MHz_QPSK_20025_75RB#0_13.480_14.22_PASS



Band4_15MHz_16QAM_20025_75RB#0_13.457_14.21_PASS

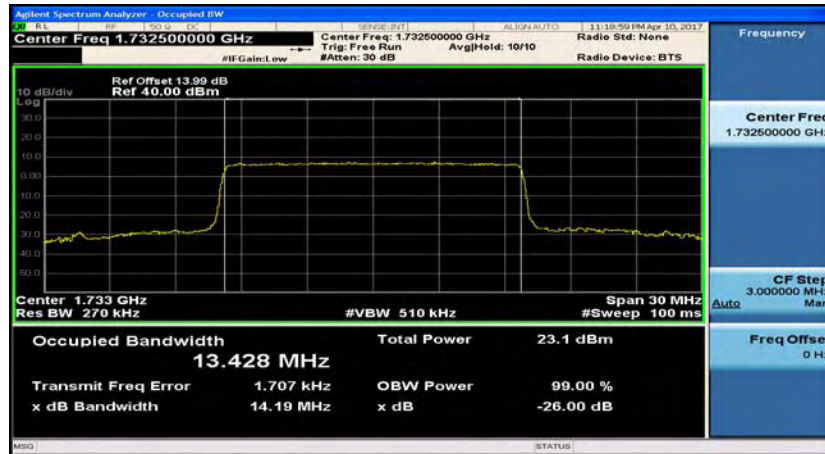


Band4_15MHz_QPSK_20175_75RB#0_13.438_14.23_PASS

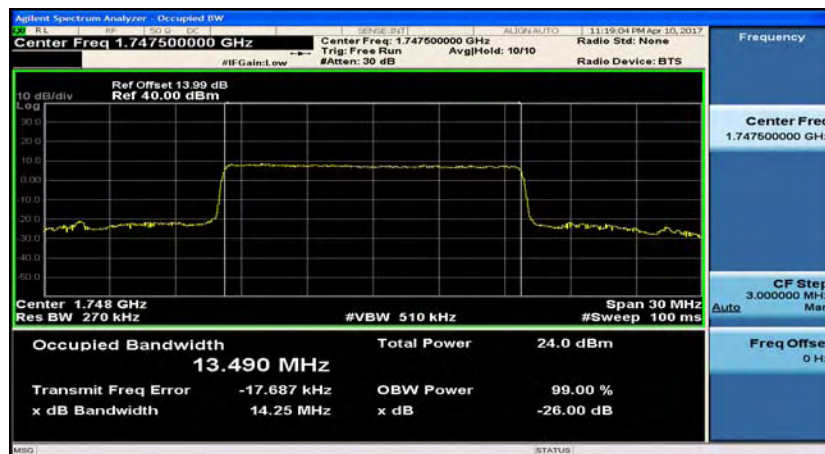




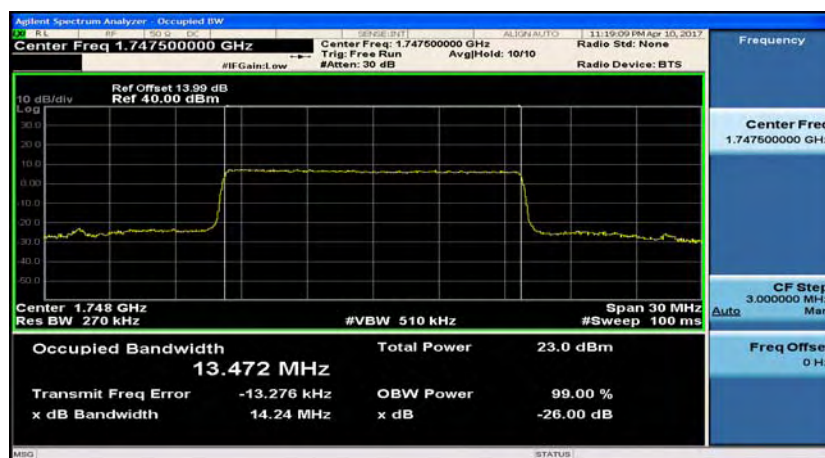
Band4_15MHz_16QAM_20175_75RB#0_13.428_14.19_PASS



Band4_15MHz_QPSK_20325_75RB#0_13.490_14.25_PASS

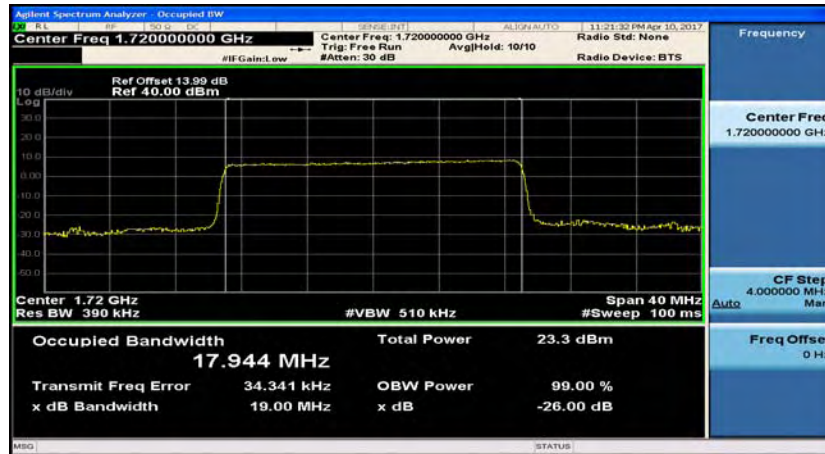


Band4_15MHz_16QAM_20325_75RB#0_13.472_14.24_PASS

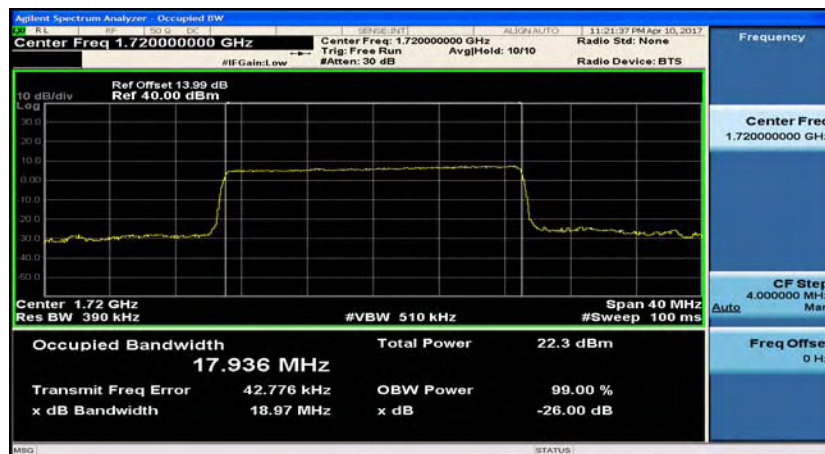




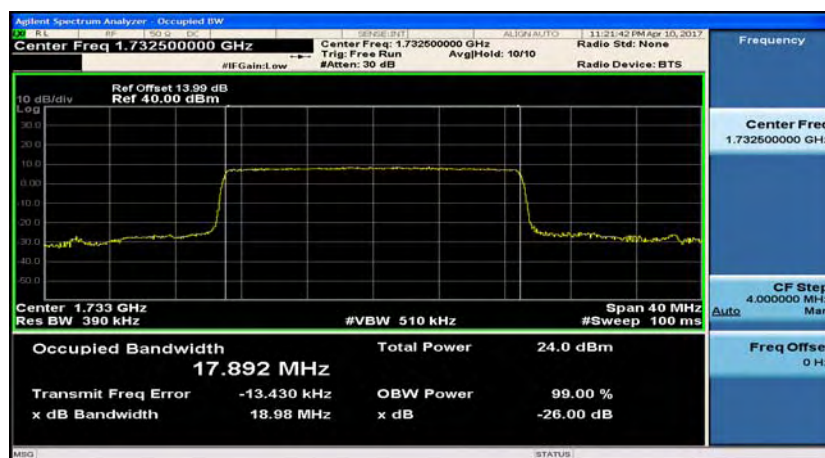
Band4_20MHz_QPSK_20050_100RB#0_17.944_19.00_PASS



Band4_20MHz_16QAM_20050_100RB#0_17.936_18.97_PASS

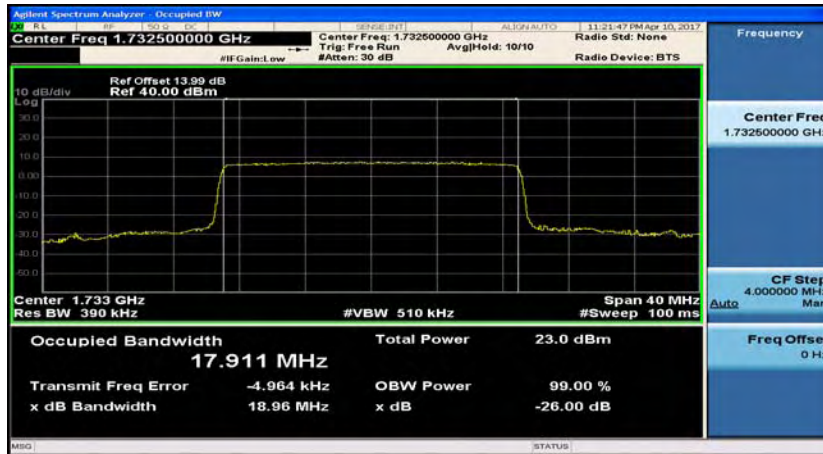


Band4_20MHz_QPSK_20175_100RB#0_17.892_18.98_PASS

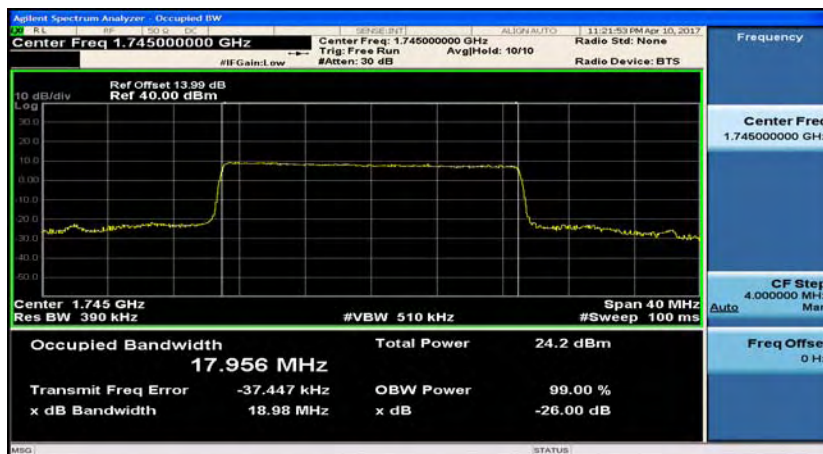




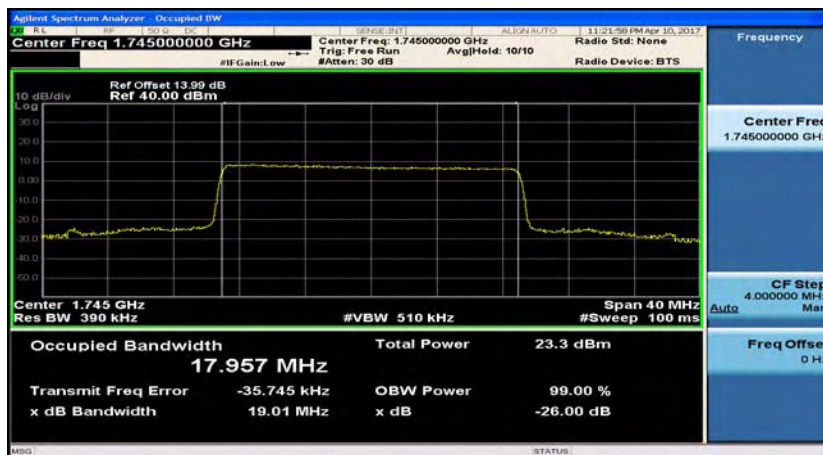
Band4_20MHz_16QAM_20175_100RB#0_17.911_18.96_PASS



Band4_20MHz_QPSK_20300_100RB#0_17.956_18.98_PASS

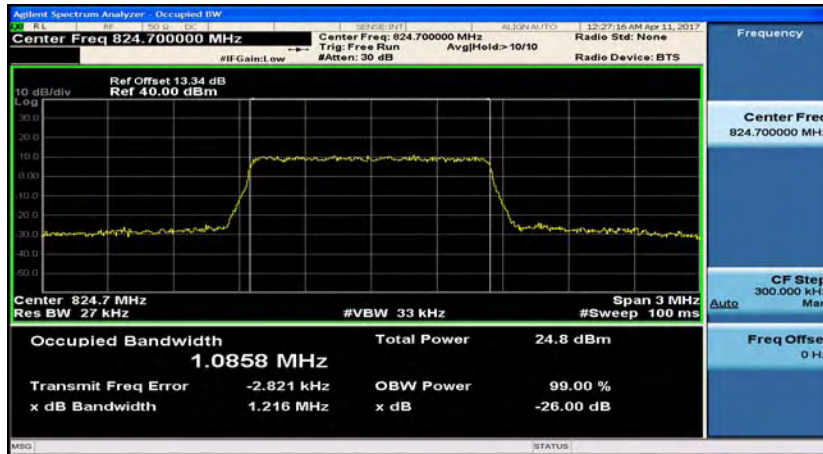


Band4_20MHz_16QAM_20300_100RB#0_17.957_19.01_PASS

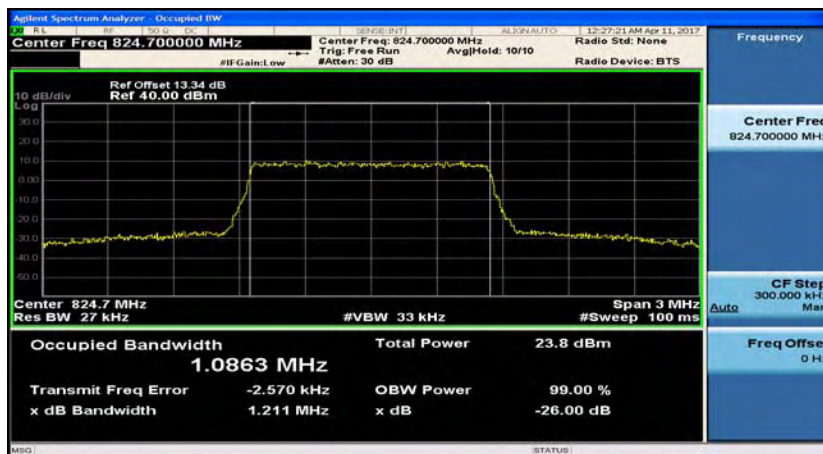




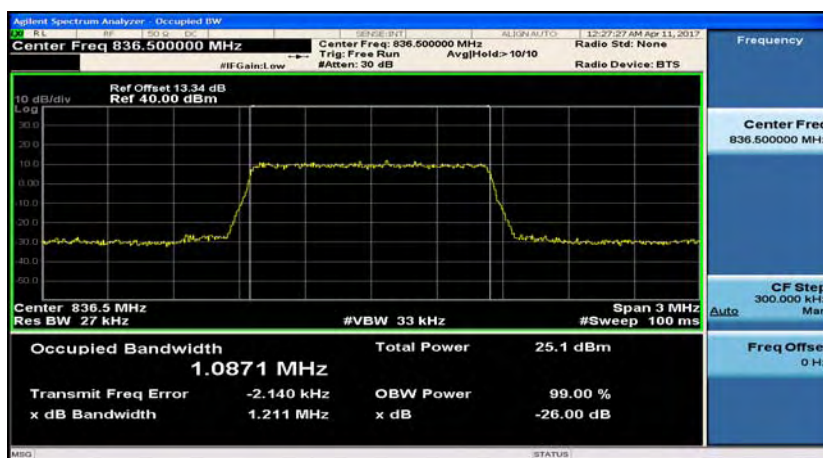
Band5_1.4MHz_QPSK_20407_6RB#0_1.0858_1.216_PASS



Band5_1.4MHz_16QAM_20407_6RB#0_1.0863_1.211_PASS

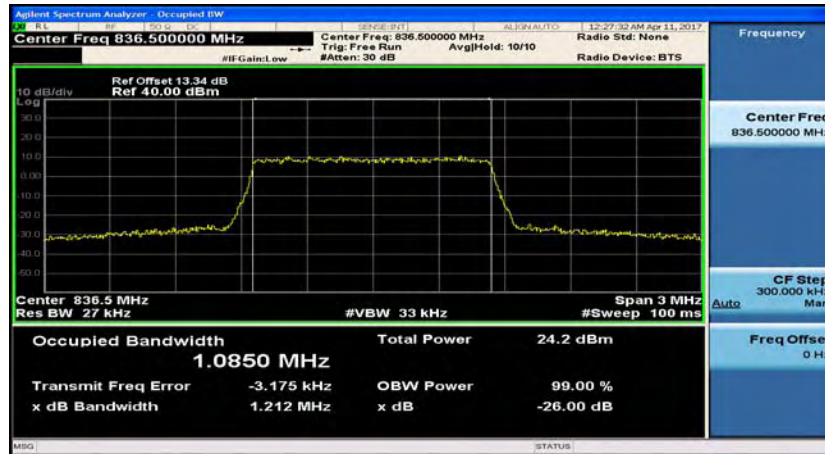


Band5_1.4MHz_QPSK_20525_6RB#0_1.0871_1.211_PASS

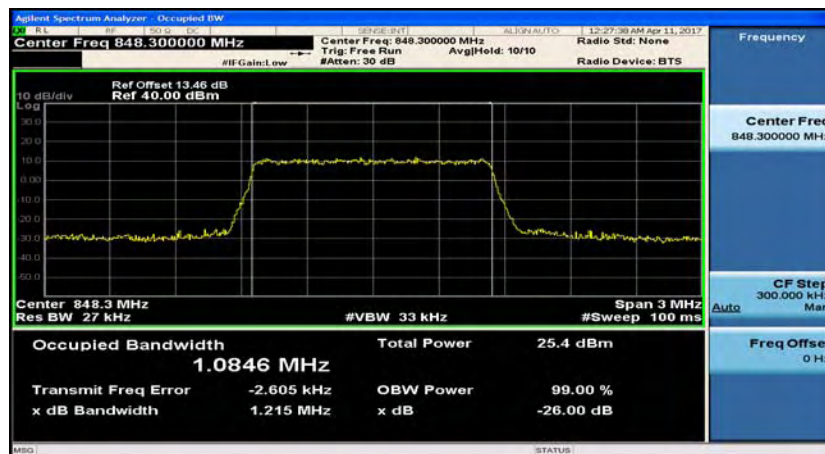




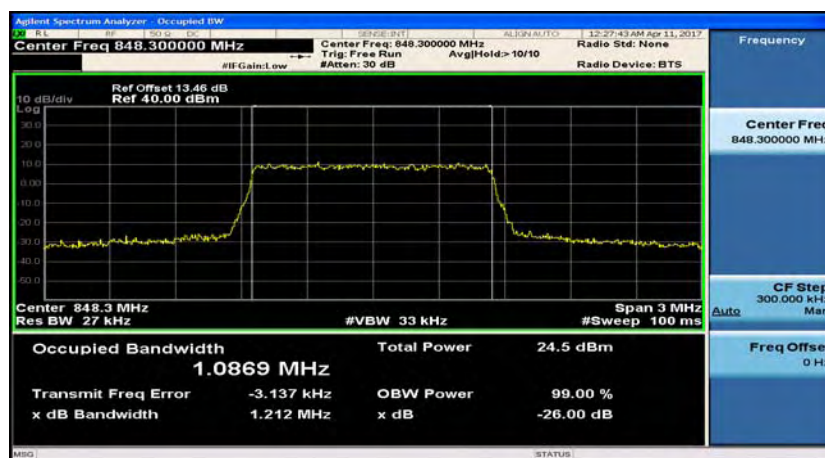
Band5_1.4MHz_16QAM_20525_6RB#0_1.0850_1.212_PASS



Band5_1.4MHz_QPSK_20643_6RB#0_1.0846_1.215_PASS

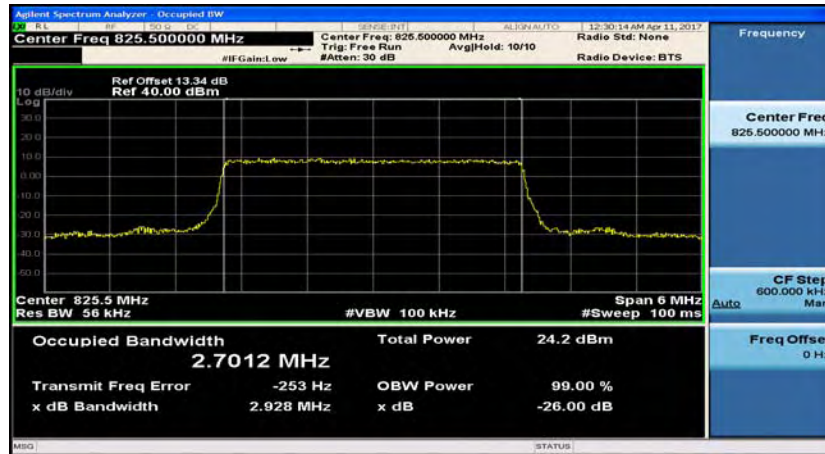


Band5_1.4MHz_16QAM_20643_6RB#0_1.0869_1.212_PASS

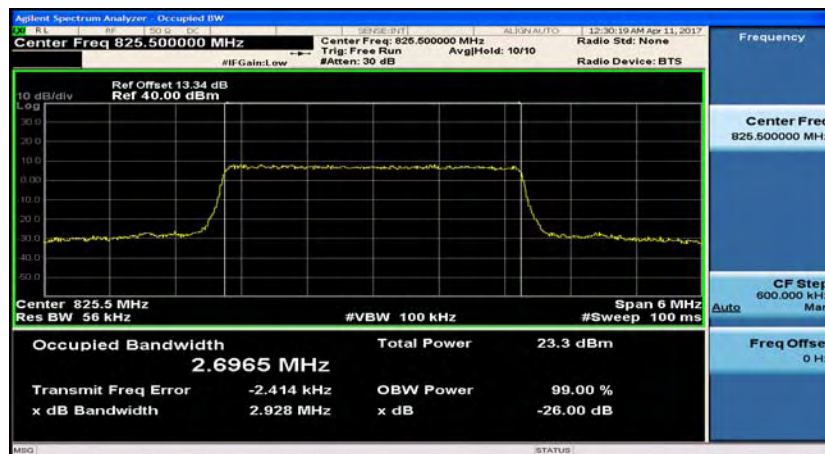




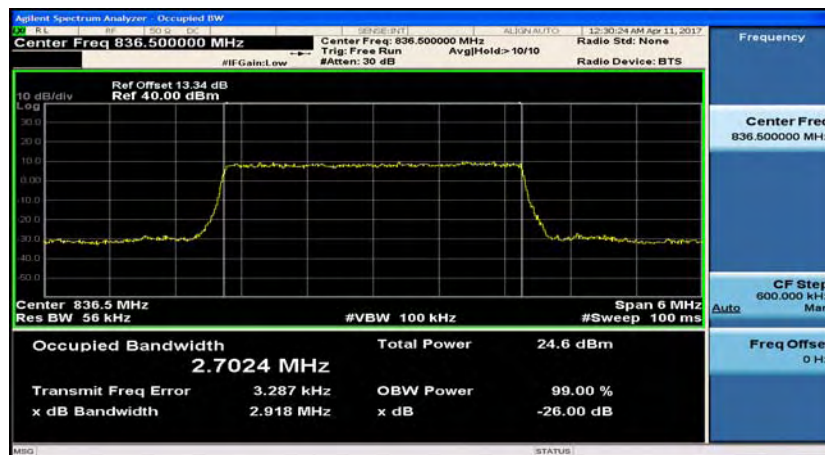
Band5_3MHz_QPSK_20415_15RB#0_2.7012_2.928_PASS



Band5_3MHz_16QAM_20415_15RB#0_2.6965_2.928_PASS

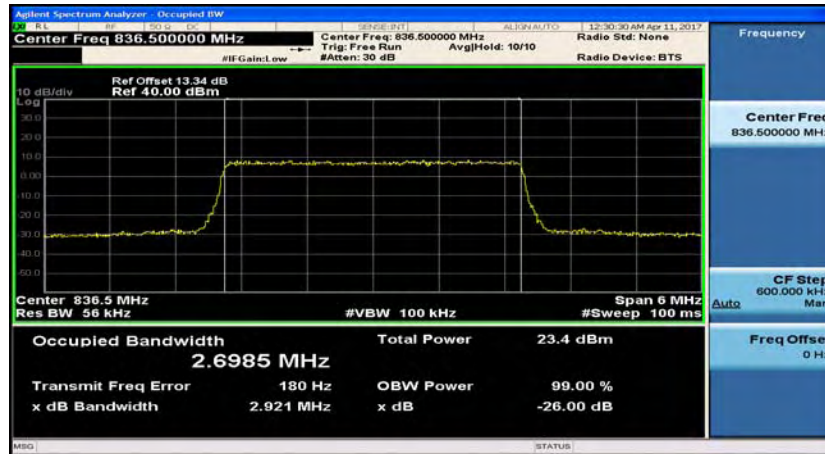


Band5_3MHz_QPSK_20525_15RB#0_2.7024_2.918_PASS

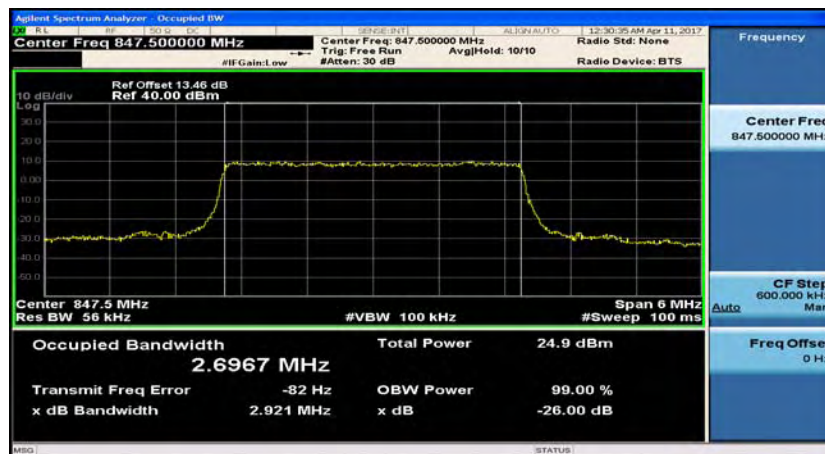




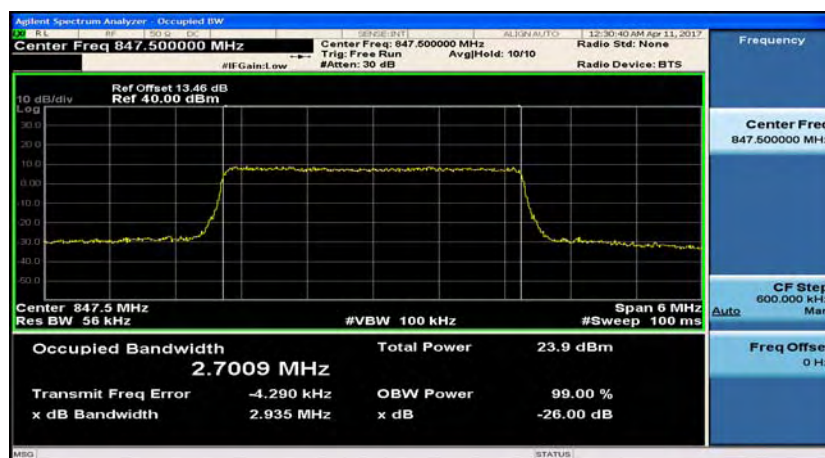
Band5_3MHz_16QAM_20525_15RB#0_2.6985_2.921_PASS



Band5_3MHz_QPSK_20635_15RB#0_2.6967_2.921_PASS

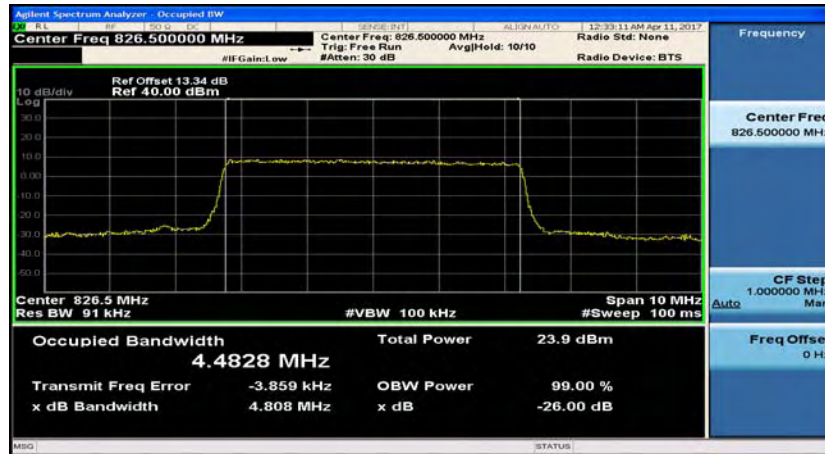


Band5_3MHz_16QAM_20635_15RB#0_2.7009_2.935_PASS

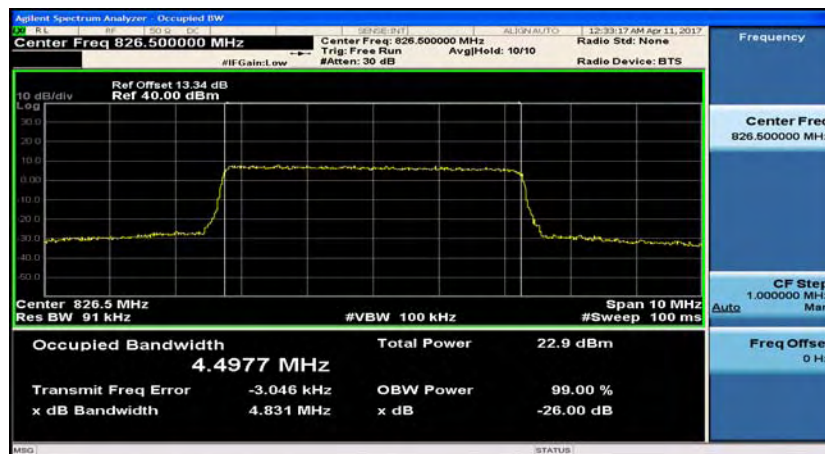




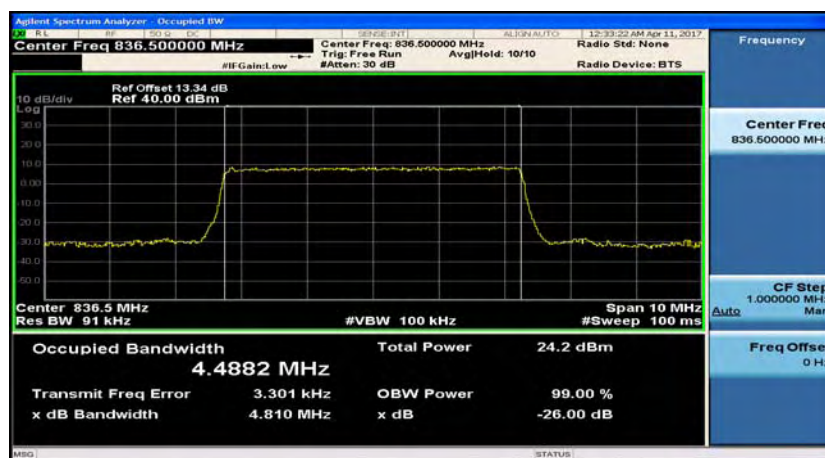
Band5_5MHz_QPSK_20425_25RB#0_4.4828_4.808_PASS



Band5_5MHz_16QAM_20425_25RB#0_4.4977_4.831_PASS

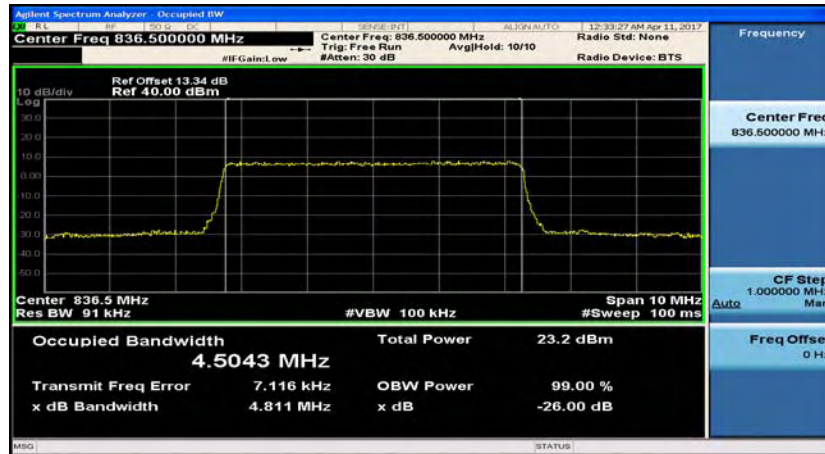


Band5_5MHz_QPSK_20525_25RB#0_4.4882_4.810_PASS

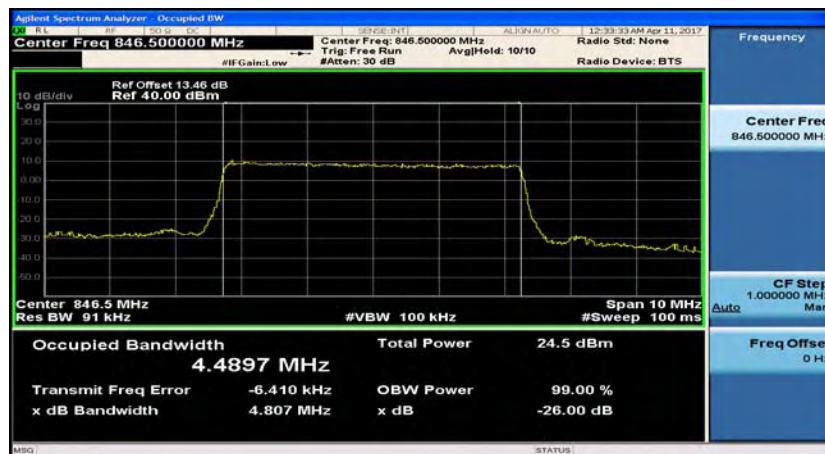




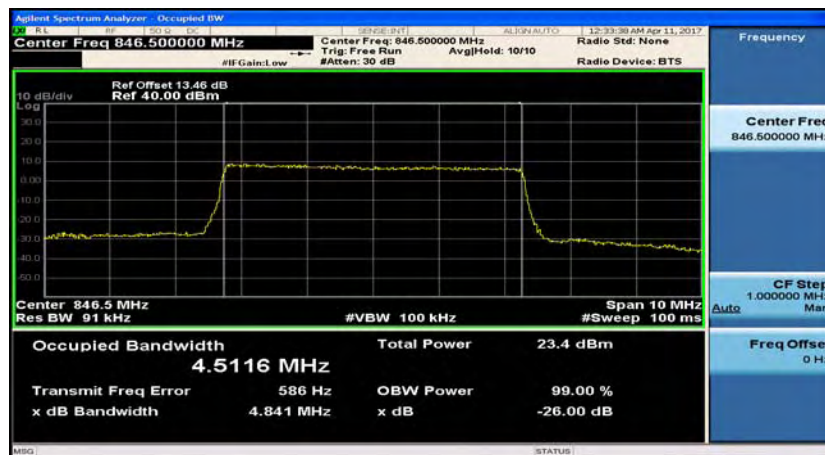
Band5_5MHz_16QAM_20525_25RB#0_4.5043_4.811_PASS



Band5_5MHz_QPSK_20625_25RB#0_4.4897_4.807_PASS

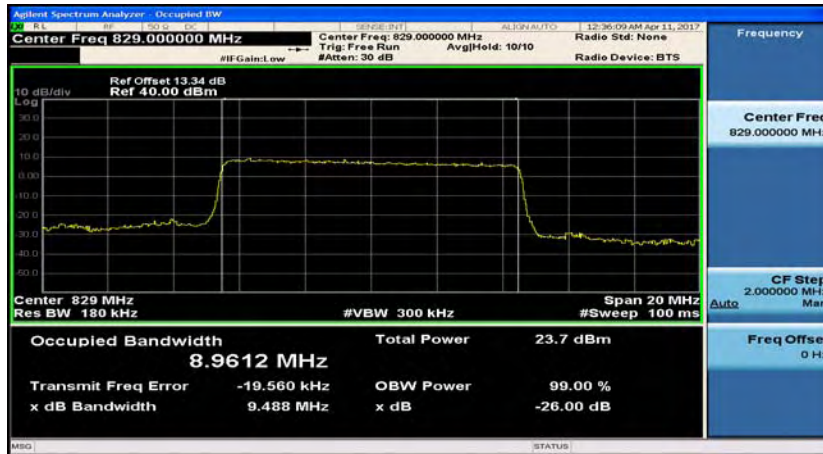


Band5_5MHz_16QAM_20625_25RB#0_4.5116_4.841_PASS

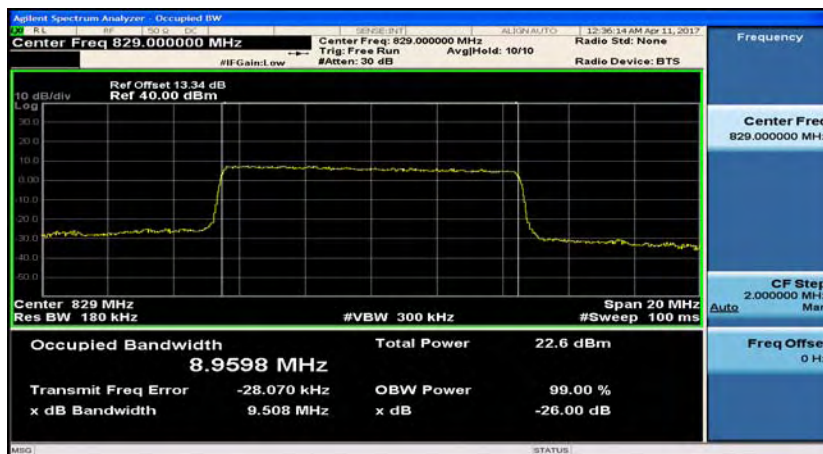




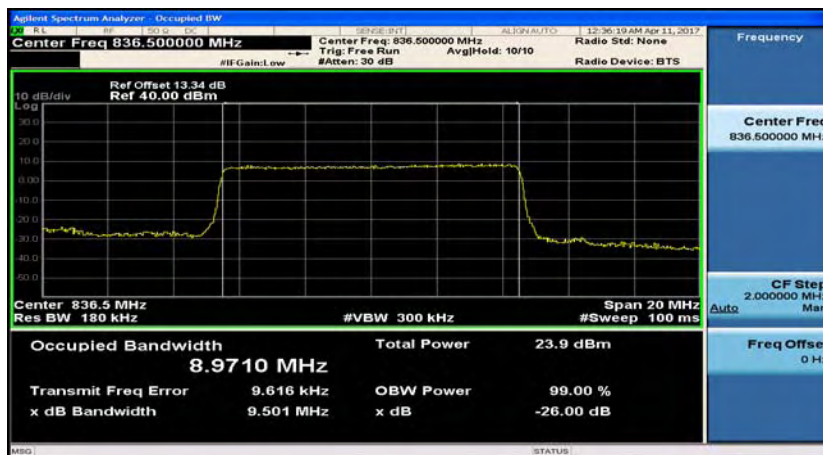
Band5_10MHz_QPSK_20450_50RB#0_8.9612_9.488_PASS



Band5_10MHz_16QAM_20450_50RB#0_8.9598_9.508_PASS

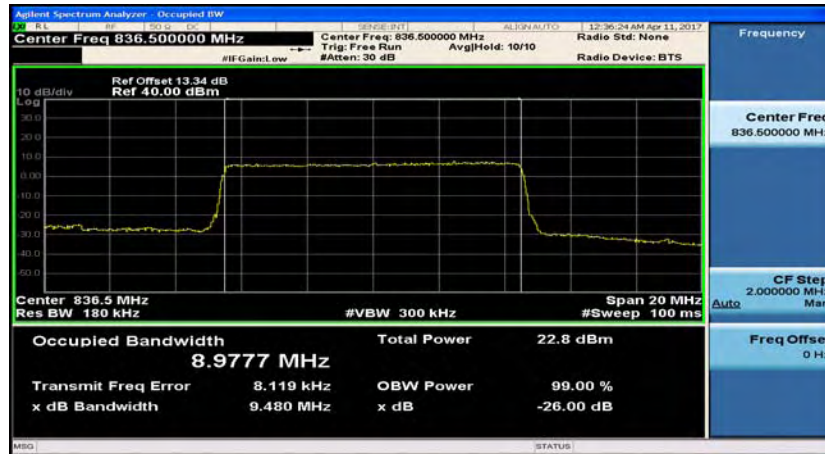


Band5_10MHz_QPSK_20525_50RB#0_8.9710_9.501_PASS

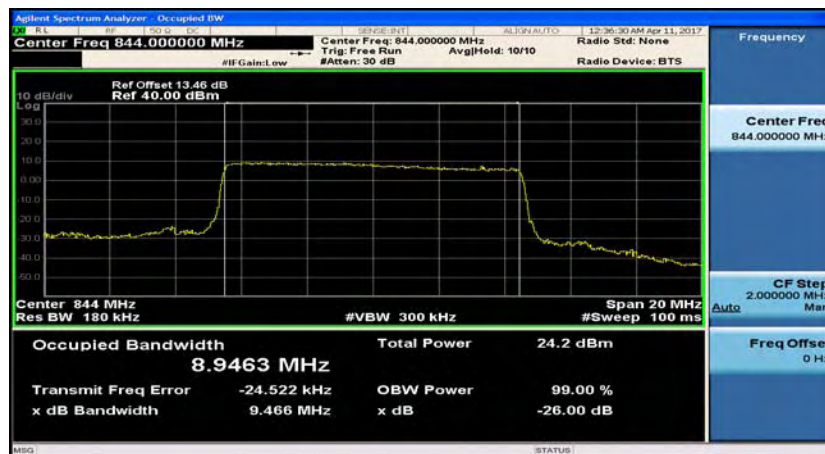




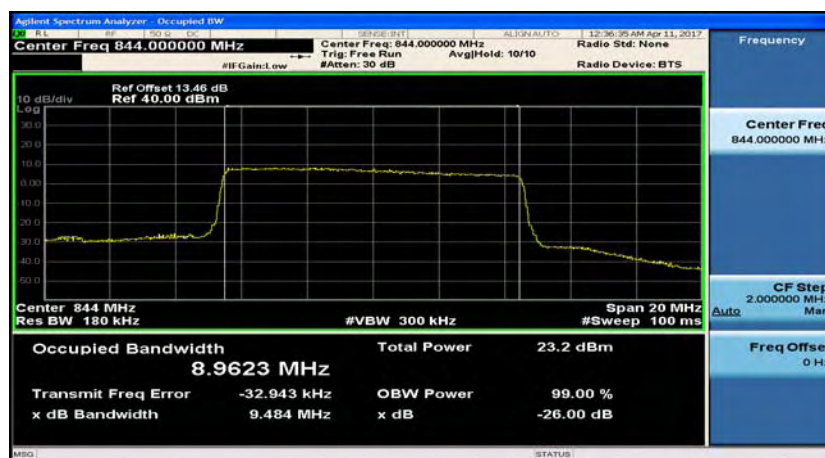
Band5_10MHz_16QAM_20525_50RB#0_8.9777_9.480_PASS



Band5_10MHz_QPSK_20600_50RB#0_8.9463_9.466_PASS

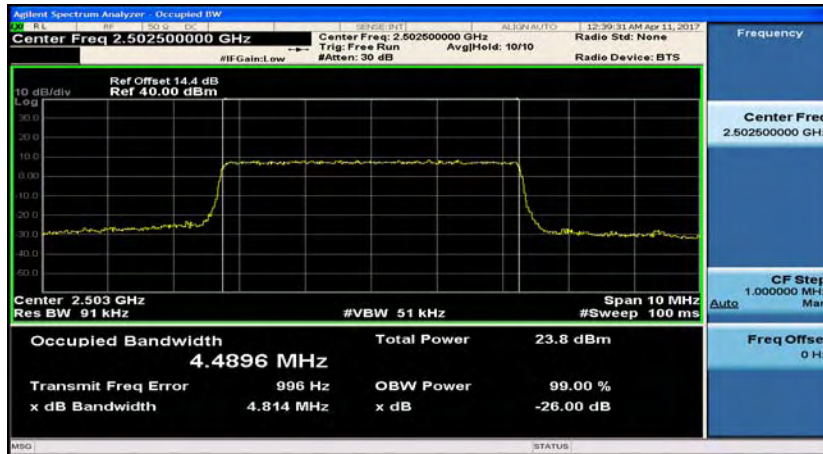


Band5_10MHz_16QAM_20600_50RB#0_8.9623_9.484_PASS

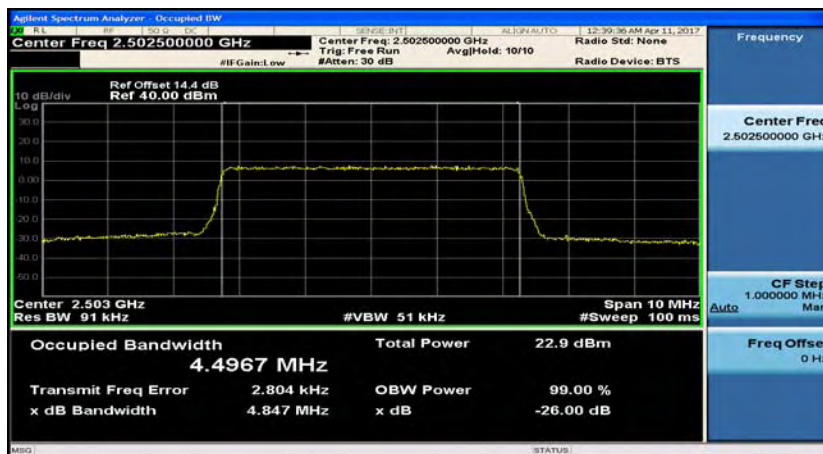




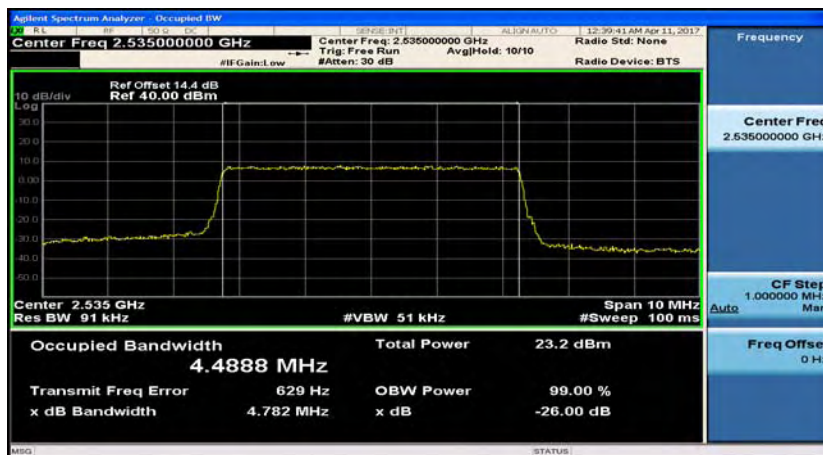
Band7_5MHz_QPSK_20775_25RB#0_4.4896_4.814_PASS



Band7_5MHz_16QAM_20775_25RB#0_4.4967_4.847_PASS

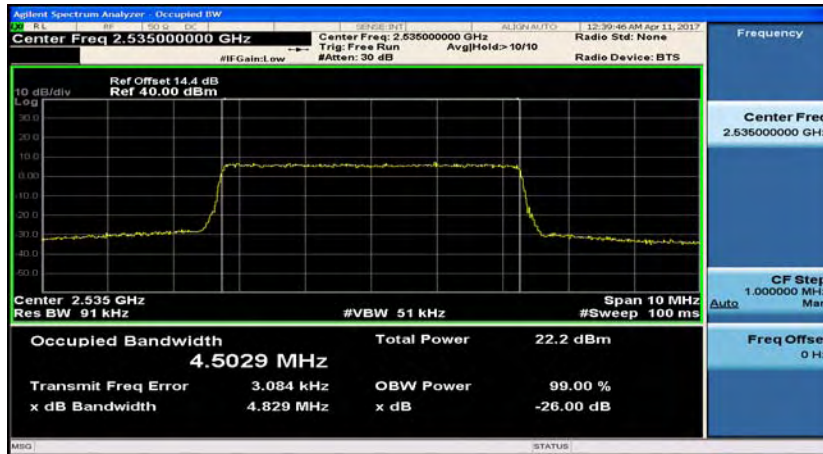


Band7_5MHz_QPSK_21100_25RB#0_4.4888_4.782_PASS

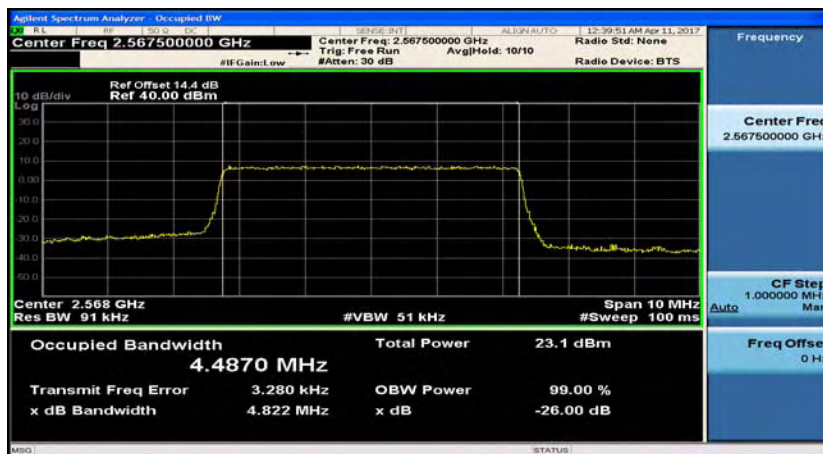




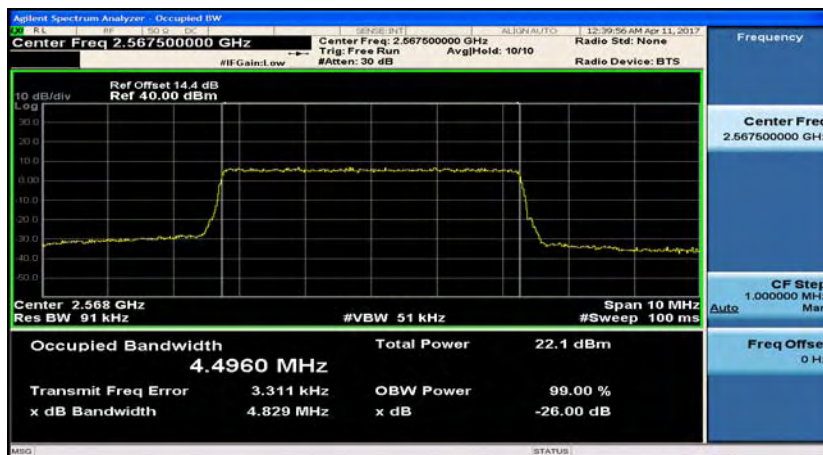
Band7_5MHz_16QAM_21100_25RB#0_4.5029_4.829_PASS



Band7_5MHz_QPSK_21425_25RB#0_4.4870_4.822_PASS

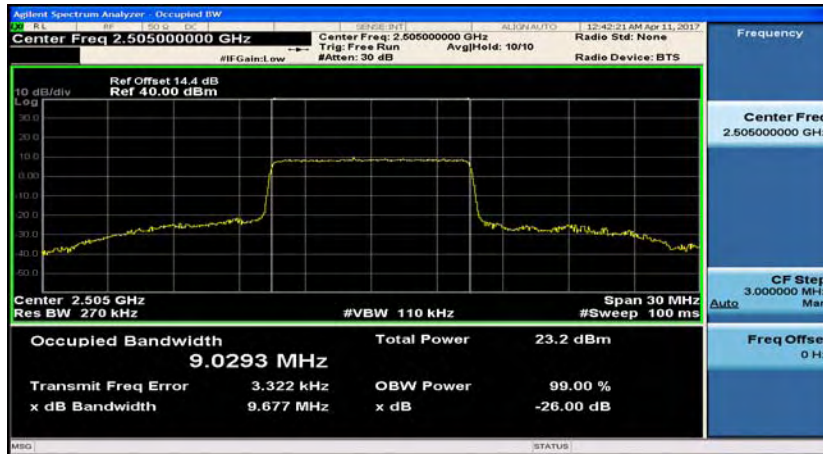


Band7_5MHz_16QAM_21425_25RB#0_4.4960_4.829_PASS

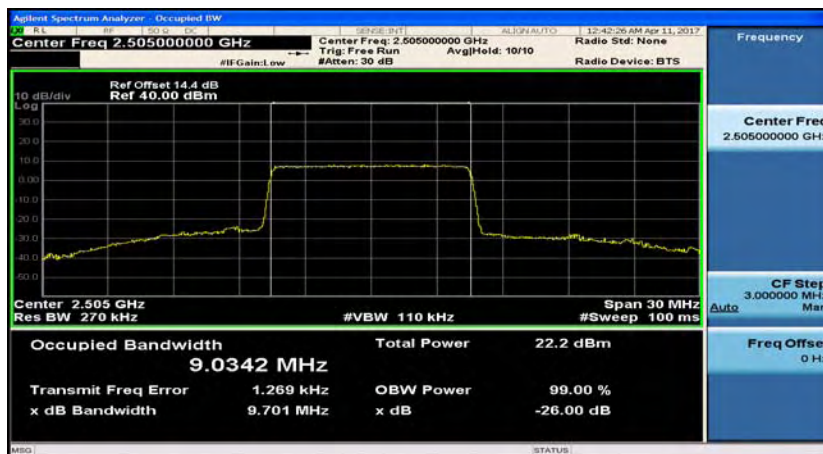




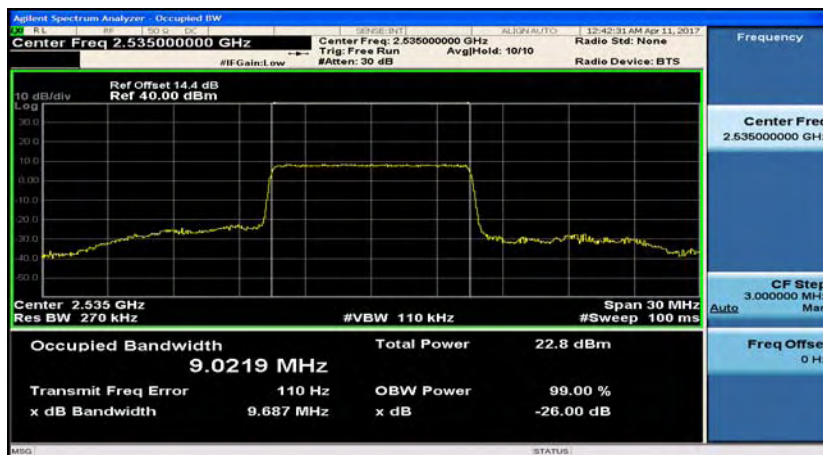
Band7_10MHz_QPSK_20800_50RB#0_9.0293_9.677_PASS



Band7_10MHz_16QAM_20800_50RB#0_9.0342_9.701_PASS

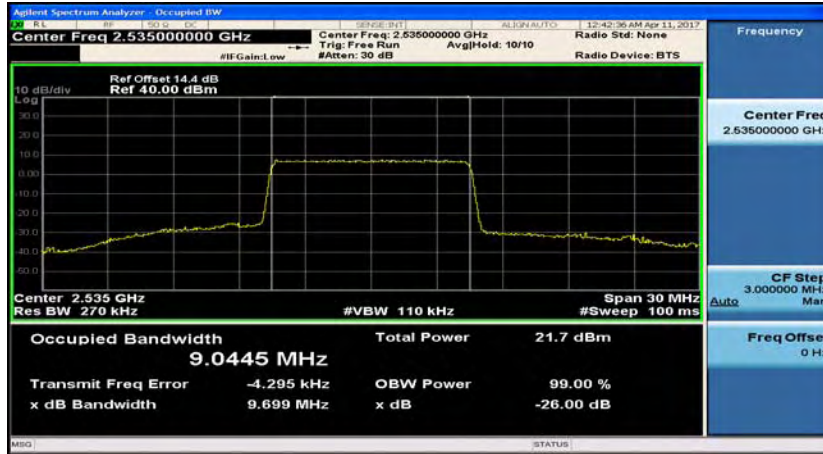


Band7_10MHz_QPSK_21100_50RB#0_9.0219_9.687_PASS

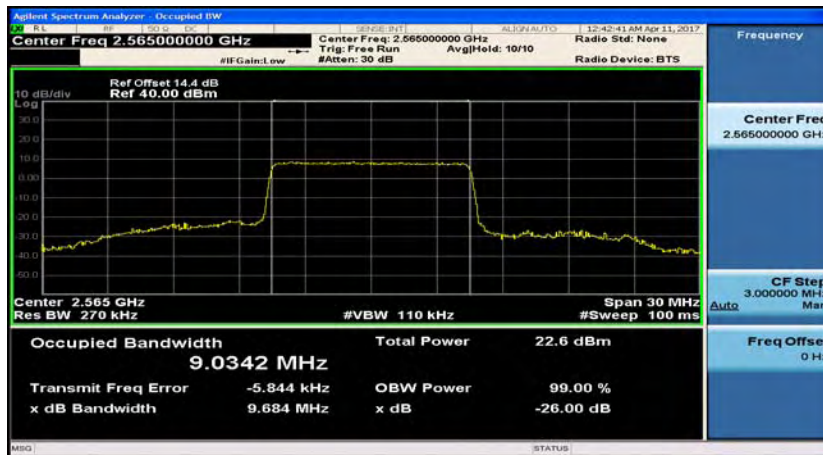




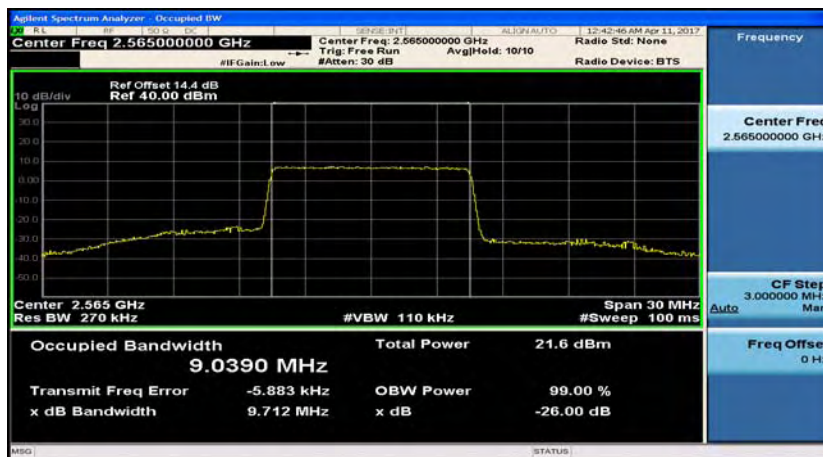
Band7_10MHz_16QAM_21100_50RB#0_9.0445_9.699_PASS



Band7_10MHz_QPSK_21400_50RB#0_9.0342_9.684_PASS

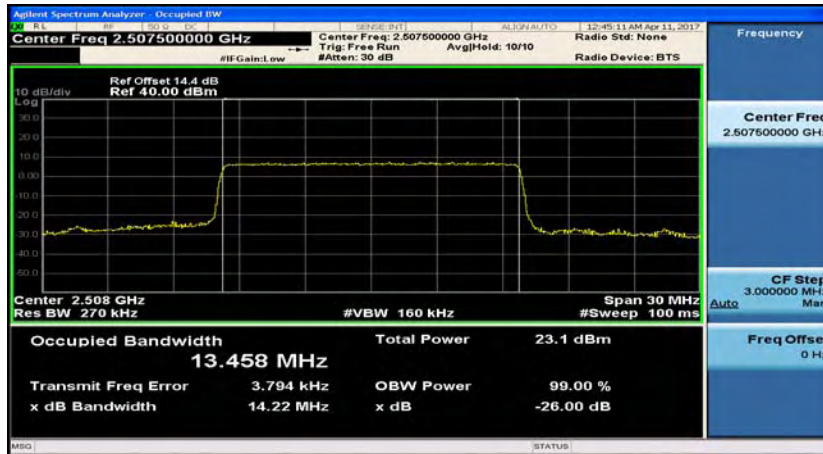


Band7_10MHz_16QAM_21400_50RB#0_9.0390_9.712_PASS

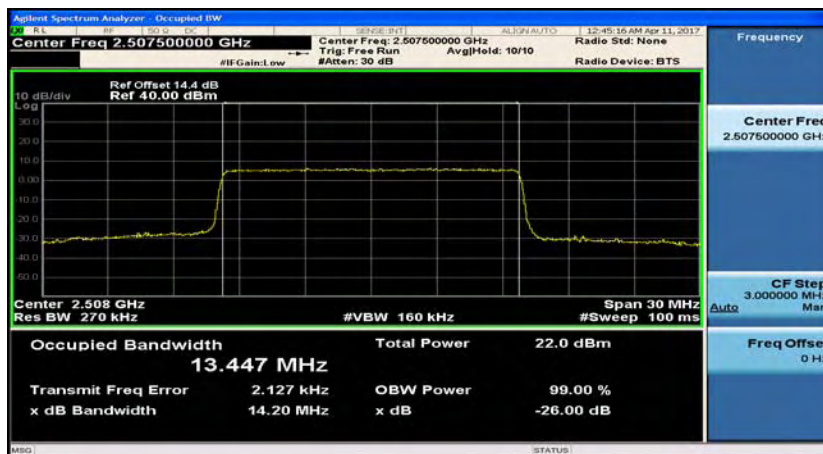




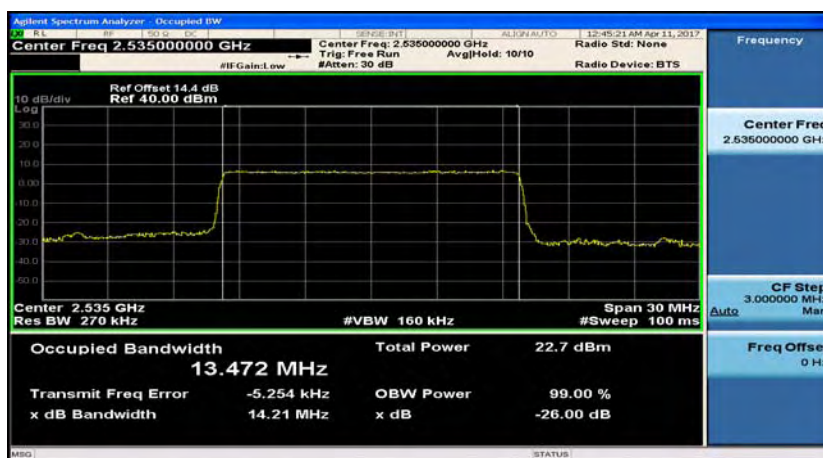
Band7_15MHz_QPSK_20825_75RB#0_13.458_14.22_PASS



Band7_15MHz_16QAM_20825_75RB#0_13.447_14.20_PASS

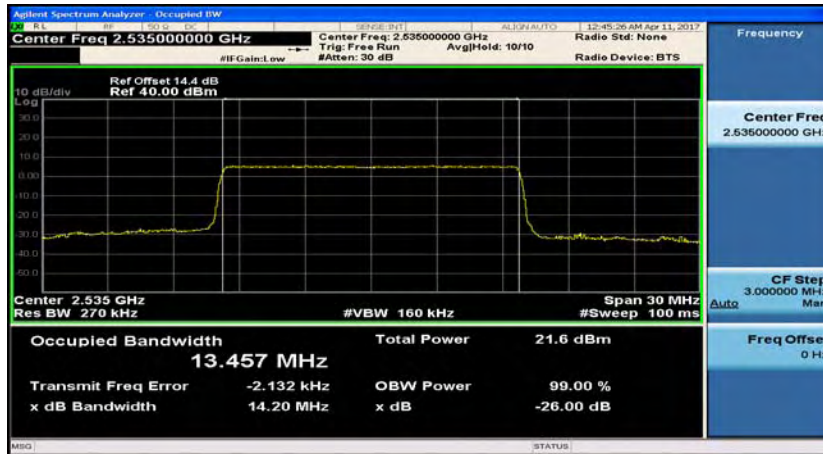


Band7_15MHz_QPSK_21100_75RB#0_13.472_14.21_PASS

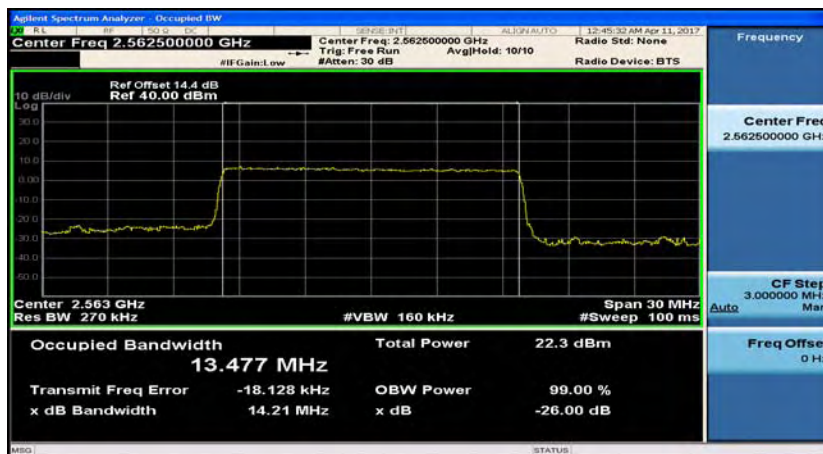




Band7_15MHz_16QAM_21100_75RB#0_13.457_14.20_PASS



Band7_15MHz_QPSK_21375_75RB#0_13.477_14.21_PASS



Band7_15MHz_16QAM_21375_75RB#0_13.469_14.21_PASS

