

**ELECTROMAGNETIC EMISSIONS  
COMPLIANCE REPORT**

**FCC Applicant:** NEC Platforms,Ltd.  
2-3, tsukasa-machi, kanda, chiyoda-ku, Tokyo, 101-8532, Ja-  
pan

**FCC Manufacturer:** NEC Platforms,Ltd.  
2-3, tsukasa-machi, kanda, chiyoda-ku, Tokyo, 101-8532, Ja-  
pan

**Product Name:** Mobile Router

**Brand Name:** NEC Platforms

**Model No.:** KMP8S3AB1-1A, KMP8S3AA1-1A

**Model Difference:** N/A

**Report Number:** TERF2204000399E2

**FCC ID** 2AA5WKMP8S3AB

**Issue Date:** June 17, 2022

**Date of Test:** June 10, 2022

**Date of EUT Received:** April 21, 2022

**Approved By****Jay Lin****We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27 C & 90S.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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## Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2204000399E2	00	Original	June 17, 2022	Candice Li	

**Note:**

- 1、The remark "" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.

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## 1 GENERAL PRODUCT INFORMATION

### 1.1 Product Description

Product Name:	Mobile Router
Brand Name:	NEC Platforms
Model No.:	KMP8S3AB1-1A, KMP8S3AA1-1A
Model Difference:	N/A
Hardware Version:	1
Firmware Version:	1
EUT Series No.:	359798890030510
Power Supply:	3.8Vdc
Test Software (Name/Version)	default(link 8820C)

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## 1.2 Operation Frequency Range

LTE Band 2			
BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1909.3
3	1851.5	-	1908.5
5	1852.5	-	1907.5
10	1855.0	-	1905.0
15	1857.5	-	1902.5
20	1860.0	-	1900.0
LTE Band 4			
BW (MHz)	Operation Frequency (MHz)		
1.4	1710.7	-	1754.3
3	1711.5	-	1753.5
5	1712.5	-	1752.5
10	1715.0	-	1750.0
15	1717.5	-	1747.5
20	1720.0	-	1745.0
LTE Band 5			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
LTE Band 12			
BW (MHz)	Operation Frequency (MHz)		
1.4	699.7	-	715.3
3	700.5	-	714.5
5	701.5	-	713.5
10	704.0	-	711.0

LTE Band 17			
BW (MHz)	Operation Frequency (MHz)		
5	706.5	-	713.5
10	709.0	-	711.0
LTE Band 26			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
15	831.5	-	841.5
LTE Band 26 Part 90			
BW (MHz)	Operation Frequency (MHz)		
1.4	814.7	-	823.3
3	815.5	-	822.5
5	816.5	-	821.5
10	819.0	-	
LTE Band 41			
BW (MHz)	Operation Frequency (MHz)		
5	2498.5	-	2687.5
10	2501.0	-	2685.0
15	2503.5	-	2682.5
20	2506.0	-	2680.0

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### 1.3 Antenna Designation

Antenna Type	Antenna Model No.
Inverted F	Ant1
Inverted L	Ant3
<b>Note:</b> Transmission frequencies in this test report are only available by the above antenna(s).	

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)	
		Ant1	Ant3
LTE-Band 2	1850 ~ 1910		0.3
LTE-Band 4	1710 ~ 1755		-0.8
LTE-Band 5	824 ~ 849	0.3	
LTE-Band 12	699 ~ 716	-1.1	
LTE-Band 17	704 ~ 716	-1.1	
LTE-Band 26 Part 90	814 ~ 824	0.2	
LTE-Band 26	824 ~ 849	0.2	
LTE-Band 41	2496 ~ 2690		-0.2

**Note:** Antenna information is provided by the applicant.

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## 1.4 Type of Emission &amp; Max ERP/EIRP Power Measurement Result:

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
2	1.4	1850.7	1909.3	QPSK	22.80	EIRP	0.191	1.0859	1M09G7D
				16QAM	22.75	EIRP	0.188	1.0863	1M09D7W
				64QAM	22.77	EIRP	0.189	1.0866	1M09D7W
2	3	1851.5	1908.5	QPSK	22.79	EIRP	0.190	2.6839	2M68G7D
				16QAM	22.72	EIRP	0.187	2.6836	2M68D7W
				64QAM	22.64	EIRP	0.184	2.6899	2M69D7W
2	5	1852.5	1907.5	QPSK	22.61	EIRP	0.182	4.4865	4M49G7D
				16QAM	22.75	EIRP	0.188	4.4811	4M48D7W
				64QAM	22.68	EIRP	0.185	4.4907	4M49D7W
2	10	1855.0	1905.0	QPSK	22.78	EIRP	0.190	8.9745	8M97G7D
				16QAM	22.74	EIRP	0.188	8.9450	8M95D7W
				64QAM	22.68	EIRP	0.185	8.9556	8M96D7W
2	15	1857.5	1902.5	QPSK	22.64	EIRP	0.184	13.468	13M5G7D
				16QAM	22.78	EIRP	0.190	13.432	13M4D7W
				64QAM	22.64	EIRP	0.184	13.402	13M4D7W
2	20	1860.0	1900.0	QPSK	22.84	EIRP	<b>0.192</b>	17.879	17M9G7D
				16QAM	22.88	EIRP	<b>0.194</b>	17.908	17M9D7W
				64QAM	22.94	EIRP	<b>0.197</b>	17.905	17M9D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
4	1.4	1710.7	1754.3	QPSK	20.86	EIRP	0.122	1.0857	1M09G7D
				16QAM	20.90	EIRP	0.123	1.0862	1M09D7W
				64QAM	20.87	EIRP	0.122	1.0872	1M09D7W
4	3	1711.5	1753.5	QPSK	20.83	EIRP	0.121	2.6847	2M68G7D
				16QAM	20.89	EIRP	0.123	2.6849	2M68D7W
				64QAM	20.91	EIRP	0.123	2.6887	2M69D7W
4	5	1712.5	1752.5	QPSK	21.07	EIRP	0.128	4.4854	4M49G7D
				16QAM	21.04	EIRP	0.127	4.4855	4M49D7W
				64QAM	21.02	EIRP	0.126	4.4925	4M49D7W
4	10	1715.0	1750.0	QPSK	21.07	EIRP	0.128	8.9672	8M97G7D
				16QAM	21.02	EIRP	0.126	8.9503	8M95D7W
				64QAM	21.11	EIRP	0.129	8.9585	8M96D7W
4	15	1717.5	1747.5	QPSK	21.06	EIRP	0.128	13.4460	13M4G7D
				16QAM	21.11	EIRP	<b>0.129</b>	13.4300	13M4D7W
				64QAM	21.03	EIRP	0.127	13.4250	13M4D7W
4	20	1720.0	1745.0	QPSK	21.11	EIRP	<b>0.129</b>	17.9140	17M9G7D
				16QAM	21.09	EIRP	0.129	17.9490	17M9D7W
				64QAM	21.15	EIRP	<b>0.130</b>	17.9180	17M9D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
26	1.4	824.7	848.3	QPSK	20.86	ERP	0.122	1.0861	1M09G7D
				16QAM	20.94	ERP	0.124	1.0866	1M09D7W
				64QAM	20.90	ERP	0.123	1.0868	1M09D7W
26	3	825.5	847.5	QPSK	20.75	ERP	0.119	2.6932	2M69G7D
				16QAM	20.74	ERP	0.119	2.6836	2M68D7W
				64QAM	20.80	ERP	0.120	2.6897	2M69D7W
26	5	826.5	846.5	QPSK	20.87	ERP	0.122	4.4820	4M48G7D
				16QAM	20.87	ERP	0.122	4.4860	4M49D7W
				64QAM	20.86	ERP	0.122	4.4941	4M49D7W
26	10	829.0	844.0	QPSK	20.77	ERP	0.119	8.9888	8M99G7D
				16QAM	20.87	ERP	0.122	8.9594	8M96D7W
				64QAM	20.89	ERP	0.123	8.9777	8M98D7W
26	15	831.5	841.5	QPSK	21.04	ERP	<b>0.127</b>	13.4620	13M5G7D
				16QAM	21.01	ERP	<b>0.126</b>	13.4420	13M4D7W
				64QAM	20.98	ERP	<b>0.125</b>	13.4350	13M4D7W

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
5	1.4	824.7	848.3	QPSK	21.03	ERP	0.127	1.0858	1M09G7D
				16QAM	20.97	ERP	0.125	1.0876	1M09D7W
				64QAM	21.03	ERP	0.127	1.0863	1M09D7W
5	3	825.5	847.5	QPSK	20.82	ERP	0.121	2.6825	2M68G7D
				16QAM	20.93	ERP	0.124	2.6836	2M68D7W
				64QAM	20.87	ERP	0.122	2.6895	2M69D7W
5	5	826.5	846.5	QPSK	20.93	ERP	0.124	4.4820	4M48G7D
				16QAM	20.81	ERP	0.121	4.4872	4M49D7W
				64QAM	20.97	ERP	0.125	4.4926	4M49D7W
5	10	829.0	844.0	QPSK	21.14	ERP	0.130	8.9741	8M97G7D
				16QAM	21.10	ERP	0.129	8.9574	8M96D7W
				64QAM	21.06	ERP	0.128	8.9739	8M97D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
12	1.4	699.7	715.3	QPSK	19.31	ERP	0.085	1.0858	1M09G7D
				16QAM	19.35	ERP	0.086	1.0876	1M09D7W
				64QAM	19.31	ERP	0.085	1.0858	1M09D7W
12	3	700.5	714.5	QPSK	19.32	ERP	0.086	2.6828	2M68G7D
				16QAM	19.30	ERP	0.085	2.6846	2M68D7W
				64QAM	19.35	ERP	0.086	2.6886	2M69D7W
12	5	701.5	713.5	QPSK	19.35	ERP	0.086	4.4848	4M48G7D
				16QAM	19.34	ERP	0.086	4.4899	4M49D7W
				64QAM	19.27	ERP	0.085	4.4986	4M50D7W
12	10	704.0	711.0	QPSK	19.38	ERP	0.087	8.9749	8M97G7D
				16QAM	19.47	ERP	0.089	8.9406	8M94D7W
				64QAM	19.40	ERP	0.087	8.9653	8M97D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
17	5	706.5	713.5	QPSK	19.33	ERP	0.086	4.4864	4M49G7D
				16QAM	19.25	ERP	0.084	4.4896	4M49D7W
				64QAM	19.28	ERP	0.085	4.4922	4M49D7W
17	10	709.0	711.0	QPSK	19.38	ERP	0.087	8.9630	8M96G7D
				16QAM	19.43	ERP	0.088	8.9425	8M94D7W
				64QAM	19.40	ERP	0.087	8.9643	8M96D7W
LTE Band	BW	Frequency		Modulation	Conducted (dBm)		(W)	99%	Type of Emission
26 Part90	1.4	814.7	823.3	QPSK	22.94	ERP	0.197	1.0858	1M09G7D
				16QAM	22.72	ERP	0.187	1.0886	1M09D7W
				64QAM	22.88	ERP	0.194	1.0864	1M09D7W
26 Part90	3	815.5	822.5	QPSK	22.67	ERP	0.185	2.6832	2M68G7D
				16QAM	22.92	ERP	0.196	2.6858	2M69D7W
				64QAM	22.81	ERP	0.191	2.6863	2M69D7W
26 Part90	5	816.5	821.5	QPSK	22.69	ERP	0.186	4.4819	4M48G7D
				16QAM	22.76	ERP	0.189	4.4839	4M48D7W
				64QAM	22.88	ERP	0.194	4.4885	4M49D7W
26 Part90	10	819.0	819.0	QPSK	22.72	ERP	0.187	8.9376	8M94G7D
				16QAM	21.77	ERP	0.150	8.9078	8M91D7W
				64QAM	20.73	ERP	0.118	8.9294	8M93D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
41	5	2498.5	2687.5	QPSK	22.57	EIRP	0.181	4.4808	4M48G7D
				16QAM	22.75	EIRP	0.188	4.4900	4M49D7W
				64QAM	22.58	EIRP	0.181	4.4930	4M49D7W
41	10	2501.0	2685.0	QPSK	22.46	EIRP	0.176	8.9694	8M97G7D
				16QAM	22.88	EIRP	0.194	8.9970	9M00D7W
				64QAM	22.67	EIRP	0.185	8.9594	8M96D7W
41	15	2503.5	2682.0	QPSK	22.54	EIRP	0.179	13.4750	13M5G7D
				16QAM	22.84	EIRP	0.192	13.4390	13M4D7W
				64QAM	22.68	EIRP	0.185	13.4250	13M4D7W
41	20	2506.0	2680.0	QPSK	22.61	EIRP	0.182	17.9000	17M9G7D
				16QAM	22.95	EIRP	0.197	17.9140	17M9D7W
				64QAM	21.75	EIRP	0.150	17.8940	17M9D7W

## 1.5 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB412172 D01 Determining ERP and EIRP v01r01

## 1.6 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				
<b>Note:</b> Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

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### 1.7 Special Accessories

No special accessories were used during testing.

### 1.8 Equipment Modifications

There was no modifications incorporated into the EUT.

### 1.9 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*6m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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## 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2 EUT Exercise

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

### 2.3 Test Procedure

#### 2.3.1 Conducted Measurement at Antenna Port

The EUT is placed on a table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

#### 2.3.2 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

### 2.4 Measurement Results Explanation Example

#### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

#### Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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**2.5 Final Amplifier Voltage and Current Information:****LTE Band 2**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 2_20M QPSK	3.8	<b>592</b>

**LTE Band 4**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 4_20M QPSK	3.8	<b>621</b>

**LTE Band 5**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 5_10M QPSK	3.8	<b>606</b>

**LTE Band 12**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 5_10M QPSK	3.8	<b>613</b>

**LTE Band 17**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 17_10M QPSK	3.8	<b>587</b>

**LTE Band 26 for Part 90S**

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 26_10M QPSK	3.8	<b>621</b>

**LTE Band 26**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 26_15M QPSK	3.8	<b>589</b>

**LTE Band 41**

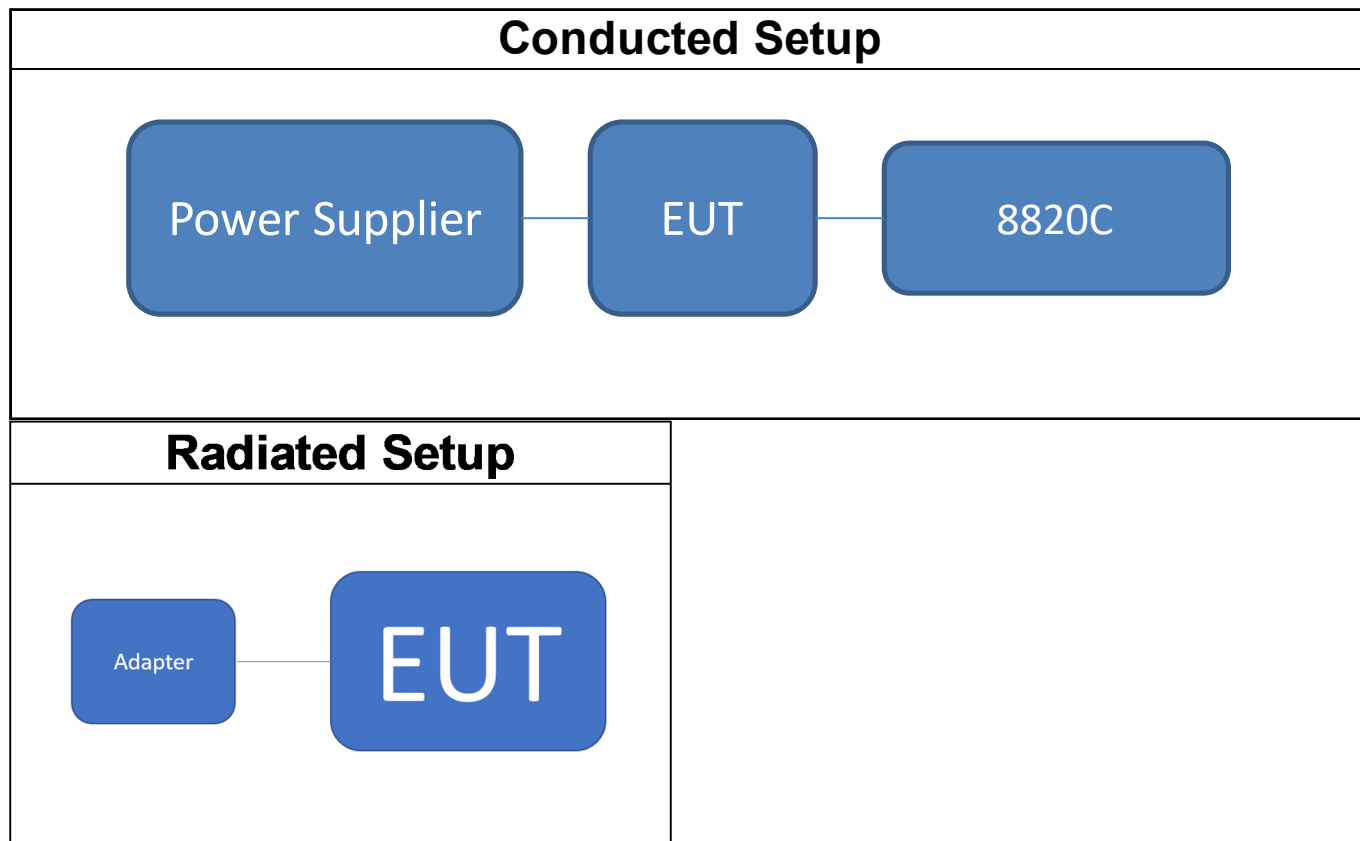
Test Mode	DC voltage (V)	DC current (mA)
LTE Band 41_20M QPSK	3.8	<b>584</b>

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## 2.6 Test Configuration



**Note:** Radio Communication Analyzer is placed in remote side for radiated test.

## 2.7 Control Unit(s)

Radiated Emission Test Site: SAC G					
EQUIPME NT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Adapter	Lapo	WT-02CA	4712966931002	N/A	N/A

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### 3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(m) §90.691	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask re- quirements	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(m)(2) §90.691	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.50(a)(1)(B)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54	Frequency Stability	Compliant

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## 4 DESCRIPTION OF TEST MODES

### 4.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
3. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

### 4.2 Measurement Configuration

Test Items				Max. Output Power												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
4	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
5	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
12	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
17	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
26	V	V	V	V	V	V	V	V	-	V	V	V	V	V	V	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
41	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
Test Items				Frequency Stability												
2	-	V	-				V			V	-	-	-	-	-	V
4	-	V	-				V			V	-	-	-	-	-	V
5	-	V	-				V	-	-	V	-	-	-	-	-	V
12	-	V	-				V	-	-	V	-	-	-	-	-	V
17	-	V	-	-	-		V	-	-	V	-	-	-	-	-	V
26	-	V	-				V		-	V	-	-	-	-	-	V
26 P90	-	V	-				V	-	-	V	-	-	-	-	-	V
41	-	V	-	-	-		V			V	-	-	-	-	-	V
Test Items				26dB and 99% Bandwidth												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	64QAM	1	Half	Full
2	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V
4	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V
5	V	V	V	V	V	V	V	-	-	V	V	V	V	-	-	V
12	V	V	V	V	V	V	V	-	-	V	V	V	V	-	-	V
17	V	V	V	-	-	V	V	-	-	V	V	V	V	-	-	V
26	V	V	V	V	V	V	V	V	-	V	V	V	V	-	-	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	-	-	V
41	V	V	V	-	-	V	V	V	V	V	V	V	V	-	-	V
Test Items				Peak-to-Average Ratio												
2	V	V	V	V	V	V	V	V	V	V	V			-	-	V
4	V	V	V	V	V	V	V	V	V	V	V			-	-	V
5	V	V	V	V	V	V	V	-	-	V	V			-	-	V
12	V	V	V	V	V	V	V	-	-	V	V			-	-	V
17	V	V	V	-	-	V	V	-	-	V	V			-	-	V
26	V	V	V	V	V	V	V	V	-	V	V			-	-	V
26 P90	V	V	V	V	V	V	V	-	-	V	V			-	-	V

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Test Items				Band Edge												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	64QAM	1	Half	Full
2	V	-	V	V	V	V	V	V	V	V	-	-	-	V	V	V
4	V	-	V	V	V	V	V	V	V	V	-	-	-	V	V	V
5	V	-	V	V	V	V	V	-	-	V	-	-	-	V	V	V
12	V	-	V	V	V	V	V	-	-	V	-	-	-	V	V	V
17	V	-	V	-	-	V	V	-	-	V	-	-	-	V	V	V
26	V	-	V	V	V	V	V	V	-	V	-	-	-	V	V	V
26 P90	V	-	V	V	V	V	V	-	-	V	-	-	-	V	V	V
41	V	-	V	-	-	V	V	V	V	V	-	-	-	V	V	V
Test Items				Conducted Emission												
2	V	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-
4	V	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-
5	V	V	V	V	V	V	V	-	-	V	-	-	-	V	-	-
12	V	V	V	V	V	V	V	-	-	V	-	-	-	V	-	-
17	V	V	V	-	-	V	V	-	-	V	-	-	-	V	-	-
26	V	V	V	V	V	V	V	V	-	V	-	-	-	V	-	-
26 P90	V	V	V	V	V	V	V	-	-	V	-	-	-	V	-	-
41	V	V	V	-	-	V	V	V	V	V	-	-	-	V	-	-
Test Items				Radiated Emission												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	V	V						V			V		V		
4	V	V	V						V			V		V		
5	V	V	V				V	-	-	V				V		
12	V	V	V				V	-	-		V			V		
17	V	V	V	-	-		V	-	-		V			V		
26	V	V	V					V	-	V				V		
26 P90	V	V	V	V				-	-	V				V		
41	V	V	V	-	-	V	V	V	V	V	-	-	-	V	-	-

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## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1 dB
ERP/ EIRP measurement	+/- 3 dB
	+/- 3 dB
Emission Bandwidth	+/- 1.53 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 1.68 dB
Peak to Average Ratio	+/- 1 dB
Frequency Stability vs. Temperature	+/- 1.53 Hz
Frequency Stability vs. Voltage	+/- 1.53 Hz
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 2.57 dB	9kHz~30MHz
	+/- 4.85 dB	30MHz - 1000MHz
	+/- 4.45 dB	1GHz - 18GHz
	+/- 4.24 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 2.57 dB	9kHz~30MHz
	+/- 4.37 dB	30MHz - 1000MHz
	+/- 4.45 dB	1GHz - 18GHz
	+/- 4.24 dB	18GHz - 40GHz

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

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## 6 MEASUREMENT EQUIPMENT USED

### 6.1 Conducted Measurement

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
DC Power Supply	Gwinstek	SPS-3610	GEV856769	08/04/2021	08/03/2022
Radio Communication Analyzer	Anritsu	MT8820C	6201107337	07/28/2021	07/27/2022
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	07/13/2021	07/12/2022
Temperature Chamber	TERCHY	MHK-120LK	1020582	07/01/2021	06/30/2022
Attenuator	Marvelous	MVE2213-10	RF06	11/18/2021	11/17/2022
DC Block	PASTERNAK	PE8210	RF158	11/18/2021	11/17/2022
Coaxial Cables	Woken	00100A1F1A185C	RF71	11/18/2021	11/17/2022
Splitter	Woken	DOM35LW1A2	RF255	11/18/2021	11/17/2022

### 6.2 Radiated Measurement

Radiated Emission Test Site: SAC					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWARZBECK	VULB 9168	1206	02/15/2022	02/14/2023
Horn Antenna	Schwarzbeck	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	RF SPIN	DRH18-E	210105A18E	04/08/2022	04/07/2023
3m Site NSA	SGS	966 chamber G	N/A	03/30/2022	03/29/2023
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	07/13/2021	07/12/2022
Test Software	audix	e3	E3 20923 SGS Ver.9 ( C )	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2021	10/26/2022
Pre-Amplifier	EMC Instruments	EMC330N	980781	03/15/2022	03/14/2023
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	03/15/2022	03/14/2023
Attenuator	Marvelous	MVE2213-10	RF05	11/18/2021	11/17/2022
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM-8000-5000-2000	210216 、 210217 、 210218	03/15/2022	03/14/2023
Coaxial Cable	EMC Instruments	EMC104-SM-SM-8000-5000-5000	210219 、 210220 、 210221	03/15/2022	03/14/2023
Coaxial Cable	EMC Instruments	EMC105-NM-NM-5000-15000	210224 、 210306	03/15/2022	03/14/2023

**NOTE:** N.C.R refers to Not Calibrated Required.

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## 7 MAXIMUM OUTPUT POWER

### 7.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

#### 7.1.1 ERP/EIRP LIMIT

According to FCC §2.1046

##### **FCC 22.913(a)**

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

##### **FCC 24.232(c)**

Mobile and portable stations are limited to 2 W EIRP.

##### **FCC 27.50(c)**

(9) Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

##### **FCC 27.50(d)**

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

##### **FCC 90.635(b)**

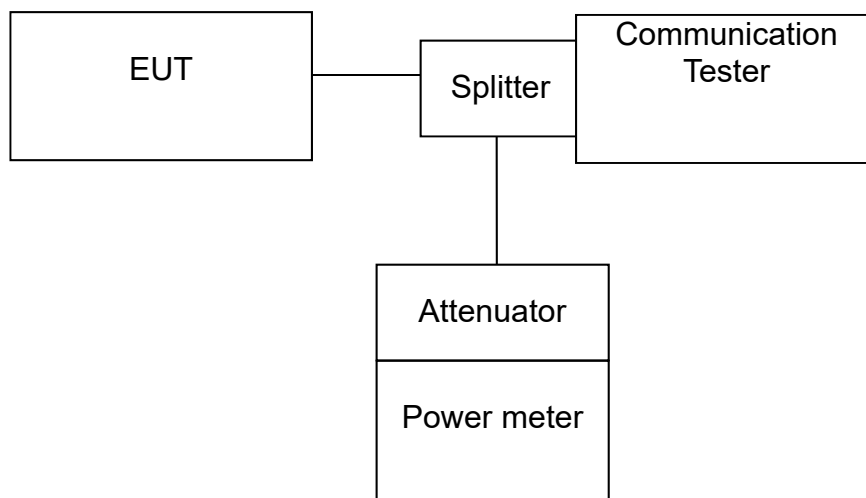
Mobile station is limited to 100W ERP

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## 7.2 Test Set-up



**Note:** Measurement setup for testing on Antenna connector

## 7.3 Output Power Measurement Applicable Guidance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

All LTE bands conducted average power is obtained from the simulator telecommunication test set.

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#### 7.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

$$EIRP = P_T + G_T - L_C,$$

$$ERP = EIRP - 2.15,$$

Where:

- ERP or EIRP = effective radiated power or equivalent isotropically radiated power (expressed in the same units as  $P_T$ , typically dBW, dBm, or power spectral density (PSD)<sup>2</sup>), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);
- $P_T$  = transmitter output power, expressed in dBW, dBm, or PSD;
- $G_T$  = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
- $L_C$  = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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## 7.5 Measurement Results:

Antenna gain (dBi)		0.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	18607	1850.7	QPSK	1	0	22.33	22.63	33	-10.37
				1	5	22.50	22.80	33	-10.2
				3	2	22.45	22.75	33	-10.25
				6	0	21.20	21.50	33	-11.5
	18900	1880	QPSK	1	0	21.34	21.64	33	-11.36
				1	5	21.34	21.64	33	-11.36
				3	2	21.21	21.51	33	-11.49
				6	0	20.46	20.76	33	-12.24
	19193	1909.3	QPSK	1	0	20.40	20.70	33	-12.3
				1	5	20.48	20.78	33	-12.22
				3	2	20.22	20.52	33	-12.48
				6	0	19.39	19.69	33	-13.31
1.4	18607	1850.7	16QAM	1	0	22.45	22.75	33	-10.25
				1	5	22.33	22.63	33	-10.37
				3	2	22.27	22.57	33	-10.43
				6	0	21.24	21.54	33	-11.46
	18900	1880	16QAM	1	0	21.48	21.78	33	-11.22
				1	5	21.39	21.69	33	-11.31
				3	2	21.45	21.75	33	-11.25
				6	0	20.49	20.79	33	-12.21
	19193	1909.3	16QAM	1	0	20.33	20.63	33	-12.37
				1	5	20.27	20.57	33	-12.43
				3	2	20.42	20.72	33	-12.28
				6	0	19.43	19.73	33	-13.27
1.4	18607	1850.7	64QAM	1	0	22.33	22.63	33	-10.37
				1	5	22.36	22.66	33	-10.34
				3	2	22.47	22.77	33	-10.23
				6	0	21.38	21.68	33	-11.32
	18900	1880	64QAM	1	0	21.48	21.78	33	-11.22
				1	5	21.29	21.59	33	-11.41
				3	2	21.45	21.75	33	-11.25
				6	0	20.43	20.73	33	-12.27
	19193	1909.3	64QAM	1	0	20.26	20.56	33	-12.44
				1	5	20.48	20.78	33	-12.22
				3	2	20.33	20.63	33	-12.37
				6	0	19.42	19.72	33	-13.28

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Antenna gain (dBi)		0.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	18615	1851.5	QPSK	1	0	22.49	22.79	33	-10.21
				1	14	22.21	22.51	33	-10.49
				8	4	21.50	21.80	33	-11.2
				15	0	21.39	21.69	33	-11.31
	18900	1880	QPSK	1	0	21.38	21.68	33	-11.32
				1	14	21.45	21.75	33	-11.25
				8	4	20.31	20.61	33	-12.39
				15	0	20.48	20.78	33	-12.22
	19185	1908.5	QPSK	1	0	20.27	20.57	33	-12.43
				1	14	20.21	20.51	33	-12.49
				8	4	19.28	19.58	33	-13.42
				15	0	19.31	19.61	33	-13.39
3	18615	1851.5	16QAM	1	0	22.42	22.72	33	-10.28
				1	14	22.39	22.69	33	-10.31
				8	4	21.28	21.58	33	-11.42
				15	0	21.37	21.67	33	-11.33
	18900	1880	16QAM	1	0	21.36	21.66	33	-11.34
				1	14	21.28	21.58	33	-11.42
				8	4	20.31	20.61	33	-12.39
				15	0	20.37	20.67	33	-12.33
	19185	1908.5	16QAM	1	0	20.24	20.54	33	-12.46
				1	14	20.43	20.73	33	-12.27
				8	4	19.30	19.60	33	-13.4
				15	0	19.35	19.65	33	-13.35
3	18615	1851.5	64QAM	1	0	22.34	22.64	33	-10.36
				1	14	22.20	22.50	33	-10.5
				8	4	21.24	21.54	33	-11.46
				15	0	21.22	21.52	33	-11.48
	18900	1880	64QAM	1	0	21.23	21.53	33	-11.47
				1	14	21.28	21.58	33	-11.42
				8	4	20.33	20.63	33	-12.37
				15	0	20.27	20.57	33	-12.43
	19185	1908.5	64QAM	1	0	20.30	20.60	33	-12.4
				1	14	20.29	20.59	33	-12.41
				8	4	19.28	19.58	33	-13.42
				15	0	19.34	19.64	33	-13.36

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Antenna gain (dBi)		0.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	22.24	22.54	33	-10.46
				1	24	22.31	22.61	33	-10.39
				12	6	21.45	21.75	33	-11.25
				25	0	21.21	21.51	33	-11.49
	18900	1880	QPSK	1	0	21.46	21.76	33	-11.24
				1	24	21.25	21.55	33	-11.45
				12	6	20.23	20.53	33	-12.47
				25	0	20.45	20.75	33	-12.25
	19175	1907.5	QPSK	1	0	20.40	20.70	33	-12.3
				1	24	20.26	20.56	33	-12.44
				12	6	19.28	19.58	33	-13.42
				25	0	19.33	19.63	33	-13.37
5	18625	1852.5	16QAM	1	0	22.45	22.75	33	-10.25
				1	24	22.35	22.65	33	-10.35
				12	6	21.22	21.52	33	-11.48
				25	0	21.26	21.56	33	-11.44
	18900	1880	16QAM	1	0	21.27	21.57	33	-11.43
				1	24	21.20	21.50	33	-11.5
				12	6	20.50	20.80	33	-12.2
				25	0	20.43	20.73	33	-12.27
	19175	1907.5	16QAM	1	0	20.44	20.74	33	-12.26
				1	24	20.41	20.71	33	-12.29
				12	6	19.44	19.74	33	-13.26
				25	0	19.24	19.54	33	-13.46
5	18625	1852.5	64QAM	1	0	22.27	22.57	33	-10.43
				1	24	22.38	22.68	33	-10.32
				12	6	21.43	21.73	33	-11.27
				25	0	21.29	21.59	33	-11.41
	18900	1880	64QAM	1	0	21.37	21.67	33	-11.33
				1	24	21.29	21.59	33	-11.41
				12	6	20.22	20.52	33	-12.48
				25	0	20.39	20.69	33	-12.31
	19175	1907.5	64QAM	1	0	20.29	20.59	33	-12.41
				1	24	20.30	20.60	33	-12.4
				12	6	19.39	19.69	33	-13.31
				25	0	19.38	19.68	33	-13.32

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Antenna gain (dBi)		0.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	22.48	22.78	33	-10.22
				1	49	22.36	22.66	33	-10.34
				25	12	21.32	21.62	33	-11.38
				50	0	21.41	21.71	33	-11.29
	18900	1880	QPSK	1	0	21.39	21.69	33	-11.31
				1	49	21.23	21.53	33	-11.47
				25	12	20.39	20.69	33	-12.31
				50	0	20.42	20.72	33	-12.28
	19150	1905	QPSK	1	0	20.39	20.69	33	-12.31
				1	49	20.46	20.76	33	-12.24
				25	12	19.46	19.76	33	-13.24
				50	0	19.29	19.59	33	-13.41
10	18650	1855	16QAM	1	0	22.44	22.74	33	-10.26
				1	49	22.39	22.69	33	-10.31
				25	12	21.20	21.50	33	-11.5
				50	0	21.24	21.54	33	-11.46
	18900	1880	16QAM	1	0	21.25	21.55	33	-11.45
				1	49	21.32	21.62	33	-11.38
				25	12	20.38	20.68	33	-12.32
				50	0	20.44	20.74	33	-12.26
	19150	1905	16QAM	1	0	20.47	20.77	33	-12.23
				1	49	20.50	20.80	33	-12.2
				25	12	19.36	19.66	33	-13.34
				50	0	19.20	19.50	33	-13.5
10	18650	1855	64QAM	1	0	22.35	22.65	33	-10.35
				1	49	22.38	22.68	33	-10.32
				25	12	21.49	21.79	33	-11.21
				50	0	21.29	21.59	33	-11.41
	18900	1880	64QAM	1	0	21.43	21.73	33	-11.27
				1	49	21.46	21.76	33	-11.24
				25	12	20.24	20.54	33	-12.46
				50	0	20.29	20.59	33	-12.41
	19150	1905	64QAM	1	0	20.27	20.57	33	-12.43
				1	49	20.21	20.51	33	-12.49
				25	12	19.41	19.71	33	-13.29
				50	0	19.34	19.64	33	-13.36

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	22.23	22.53	33	-10.47
				1	74	22.34	22.64	33	-10.36
				36	18	21.43	21.73	33	-11.27
				75	0	21.34	21.64	33	-11.36
	18900	1880	QPSK	1	0	21.41	21.71	33	-11.29
				1	74	21.24	21.54	33	-11.46
				36	18	20.38	20.68	33	-12.32
				75	0	20.24	20.54	33	-12.46
	19125	1902.5	QPSK	1	0	20.35	20.65	33	-12.35
				1	74	20.40	20.70	33	-12.3
				36	18	19.20	19.50	33	-13.5
				75	0	19.40	19.70	33	-13.3
15	18675	1857.5	16QAM	1	0	22.44	22.74	33	-10.26
				1	74	22.48	22.78	33	-10.22
				36	18	21.49	21.79	33	-11.21
				75	0	21.30	21.60	33	-11.4
	18900	1880	16QAM	1	0	21.21	21.51	33	-11.49
				1	74	21.41	21.71	33	-11.29
				36	18	20.32	20.62	33	-12.38
				75	0	20.21	20.51	33	-12.49
	19125	1902.5	16QAM	1	0	20.37	20.67	33	-12.33
				1	74	20.28	20.58	33	-12.42
				36	18	19.38	19.68	33	-13.32
				75	0	19.46	19.76	33	-13.24
15	18675	1857.5	64QAM	1	0	22.34	22.64	33	-10.36
				1	74	22.32	22.62	33	-10.38
				36	18	21.43	21.73	33	-11.27
				75	0	21.40	21.70	33	-11.3
	18900	1880	64QAM	1	0	21.24	21.54	33	-11.46
				1	74	21.25	21.55	33	-11.45
				36	18	20.36	20.66	33	-12.34
				75	0	20.23	20.53	33	-12.47
	19125	1902.5	64QAM	1	0	20.41	20.71	33	-12.29
				1	74	20.41	20.71	33	-12.29
				36	18	19.25	19.55	33	-13.45
				75	0	19.23	19.53	33	-13.47

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Antenna gain (dBi)		0.3							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	22.54	22.84	33	-10.16
				1	99	22.29	22.59	33	-10.41
				50	25	21.37	21.67	33	-11.33
				100	0	21.73	22.03	33	-10.97
	18900	1880	QPSK	1	0	21.81	22.11	33	-10.89
				1	99	21.61	21.91	33	-11.09
				50	25	20.55	20.85	33	-12.15
				100	0	20.68	20.98	33	-12.02
	19100	1900	QPSK	1	0	20.31	20.61	33	-12.39
				1	99	20.22	20.52	33	-12.48
				50	25	19.46	19.76	33	-13.24
				100	0	19.22	19.52	33	-13.48
20	18700	1860	16QAM	1	0	22.58	22.88	33	-10.12
				1	99	22.33	22.63	33	-10.37
				50	25	21.46	21.76	33	-11.24
				100	0	21.44	21.74	33	-11.26
	18900	1880	16QAM	1	0	21.82	22.12	33	-10.88
				1	99	21.74	22.04	33	-10.96
				50	25	20.56	20.86	33	-12.14
				100	0	20.58	20.88	33	-12.12
	19100	1900	16QAM	1	0	20.28	20.58	33	-12.42
				1	99	20.39	20.69	33	-12.31
				50	25	19.28	19.58	33	-13.42
				100	0	19.34	19.64	33	-13.36
20	18700	1860	64QAM	1	0	22.64	22.94	33	-10.06
				1	99	22.32	22.62	33	-10.38
				50	25	21.51	21.81	33	-11.19
				100	0	21.39	21.69	33	-11.31
	18900	1880	64QAM	1	0	21.75	22.05	33	-10.95
				1	99	21.69	21.99	33	-11.01
				50	25	20.66	20.96	33	-12.04
				100	0	20.57	20.87	33	-12.13
	19100	1900	64QAM	1	0	20.43	20.73	33	-12.27
				1	99	20.23	20.53	33	-12.47
				50	25	19.32	19.62	33	-13.38
				100	0	19.46	19.76	33	-13.24

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Antenna gain (dBi)		-0.8							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	21.66	20.86	30	-9.14
				1	5	21.64	20.84	30	-9.16
				3	2	20.66	19.86	30	-10.14
				6	0	20.64	19.84	30	-10.16
	20175	1732.5	QPSK	1	0	20.61	19.81	30	-10.19
				1	5	20.66	19.86	30	-10.14
				3	2	20.70	19.90	30	-10.1
				6	0	19.68	18.88	30	-11.12
	20393	1754.3	QPSK	1	0	19.64	18.84	30	-11.16
				1	5	19.71	18.91	30	-11.09
				3	2	19.69	18.89	30	-11.11
				6	0	18.61	17.81	30	-12.19
1.4	19957	1710.7	16QAM	1	0	21.63	20.83	30	-9.17
				1	5	21.70	20.90	30	-9.1
				3	2	20.70	19.90	30	-10.1
				6	0	20.62	19.82	30	-10.18
	20175	1732.5	16QAM	1	0	20.64	19.84	30	-10.16
				1	5	20.65	19.85	30	-10.15
				3	2	20.66	19.86	30	-10.14
				6	0	19.65	18.85	30	-11.15
	20393	1754.3	16QAM	1	0	19.70	18.90	30	-11.1
				1	5	19.64	18.84	30	-11.16
				3	2	19.61	18.81	30	-11.19
				6	0	18.71	17.91	30	-12.09
1.4	19957	1710.7	64QAM	1	0	21.61	20.81	30	-9.19
				1	5	21.67	20.87	30	-9.13
				3	2	20.68	19.88	30	-10.12
				6	0	20.68	19.88	30	-10.12
	20175	1732.5	64QAM	1	0	20.64	19.84	30	-10.16
				1	5	20.68	19.88	30	-10.12
				3	2	20.69	19.89	30	-10.11
				6	0	19.61	18.81	30	-11.19
	20393	1754.3	64QAM	1	0	19.71	18.91	30	-11.09
				1	5	19.71	18.91	30	-11.09
				3	2	19.63	18.83	30	-11.17
				6	0	18.62	17.82	30	-12.18

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Antenna gain (dBi)		-0.8							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	21.62	20.82	30	-9.18
				1	14	21.63	20.83	30	-9.17
				8	4	20.69	19.89	30	-10.11
				15	0	20.63	19.83	30	-10.17
	20175	1732.5	QPSK	1	0	20.71	19.91	30	-10.09
				1	14	20.71	19.91	30	-10.09
				8	4	19.71	18.91	30	-11.09
				15	0	19.69	18.89	30	-11.11
	20385	1753.5	QPSK	1	0	19.66	18.86	30	-11.14
				1	14	19.64	18.84	30	-11.16
				8	4	18.62	17.82	30	-12.18
				15	0	18.69	17.89	30	-12.11
3	19965	1711.5	16QAM	1	0	21.69	20.89	30	-9.11
				1	14	21.67	20.87	30	-9.13
				8	4	20.68	19.88	30	-10.12
				15	0	20.62	19.82	30	-10.18
	20175	1732.5	16QAM	1	0	20.70	19.90	30	-10.1
				1	14	20.65	19.85	30	-10.15
				8	4	19.61	18.81	30	-11.19
				15	0	19.70	18.90	30	-11.1
	20385	1753.5	16QAM	1	0	19.64	18.84	30	-11.16
				1	14	19.62	18.82	30	-11.18
				8	4	18.64	17.84	30	-12.16
				15	0	18.67	17.87	30	-12.13
3	19965	1711.5	64QAM	1	0	21.71	20.91	30	-9.09
				1	14	21.64	20.84	30	-9.16
				8	4	20.71	19.91	30	-10.09
				15	0	20.71	19.91	30	-10.09
	20175	1732.5	64QAM	1	0	20.69	19.89	30	-10.11
				1	14	20.68	19.88	30	-10.12
				8	4	19.68	18.88	30	-11.12
				15	0	19.65	18.85	30	-11.15
	20385	1753.5	64QAM	1	0	19.65	18.85	30	-11.15
				1	14	19.63	18.83	30	-11.17
				8	4	18.70	17.90	30	-12.1
				15	0	18.66	17.86	30	-12.14

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Antenna gain (dBi)		-0.8							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	21.87	21.07	30	-8.93
				1	24	21.85	21.05	30	-8.95
				12	6	20.62	19.82	30	-10.18
				25	0	20.70	19.90	30	-10.1
	20175	1732.5	QPSK	1	0	20.65	19.85	30	-10.15
				1	24	20.70	19.90	30	-10.1
				12	6	19.68	18.88	30	-11.12
				25	0	19.71	18.91	30	-11.09
	20375	1752.5	QPSK	1	0	19.67	18.87	30	-11.13
				1	24	19.62	18.82	30	-11.18
				12	6	18.64	17.84	30	-12.16
				25	0	18.71	17.91	30	-12.09
5	19975	1712.5	16QAM	1	0	21.82	21.02	30	-8.98
				1	24	21.84	21.04	30	-8.96
				12	6	20.63	19.83	30	-10.17
				25	0	20.64	19.84	30	-10.16
	20175	1732.5	16QAM	1	0	20.69	19.89	30	-10.11
				1	24	20.66	19.86	30	-10.14
				12	6	19.67	18.87	30	-11.13
				25	0	19.65	18.85	30	-11.15
	20375	1752.5	16QAM	1	0	19.64	18.84	30	-11.16
				1	24	19.71	18.91	30	-11.09
				12	6	18.63	17.83	30	-12.17
				25	0	18.61	17.81	30	-12.19
5	19975	1712.5	64QAM	1	0	21.81	21.01	30	-8.99
				1	24	21.82	21.02	30	-8.98
				12	6	20.67	19.87	30	-10.13
				25	0	20.69	19.89	30	-10.11
	20175	1732.5	64QAM	1	0	20.61	19.81	30	-10.19
				1	24	20.61	19.81	30	-10.19
				12	6	19.63	18.83	30	-11.17
				25	0	19.70	18.90	30	-11.1
	20375	1752.5	64QAM	1	0	19.63	18.83	30	-11.17
				1	24	19.69	18.89	30	-11.11
				12	6	18.69	17.89	30	-12.11
				25	0	18.62	17.82	30	-12.18

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Antenna gain (dBi)		-0.8							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20000	1715	QPSK	1	0	21.87	21.07	30	-8.93
				1	49	21.81	21.01	30	-8.99
				25	12	20.70	19.90	30	-10.1
				50	0	20.63	19.83	30	-10.17
	20175	1732.5	QPSK	1	0	20.69	19.89	30	-10.11
				1	49	20.66	19.86	30	-10.14
				25	12	19.64	18.84	30	-11.16
				50	0	19.65	18.85	30	-11.15
	20350	1750	QPSK	1	0	19.66	18.86	30	-11.14
				1	49	19.61	18.81	30	-11.19
				25	12	18.70	17.90	30	-12.1
				50	0	18.65	17.85	30	-12.15
10	20000	1715	16QAM	1	0	21.82	21.02	30	-8.98
				1	49	21.81	21.01	30	-8.99
				25	12	20.63	19.83	30	-10.17
				50	0	20.66	19.86	30	-10.14
	20175	1732.5	16QAM	1	0	20.61	19.81	30	-10.19
				1	49	20.71	19.91	30	-10.09
				25	12	19.68	18.88	30	-11.12
				50	0	19.70	18.90	30	-11.1
	20350	1750	16QAM	1	0	19.65	18.85	30	-11.15
				1	49	19.69	18.89	30	-11.11
				25	12	18.63	17.83	30	-12.17
				50	0	18.68	17.88	30	-12.12
10	20000	1715	64QAM	1	0	21.91	21.11	30	-8.89
				1	49	21.86	21.06	30	-8.94
				25	12	20.64	19.84	30	-10.16
				50	0	20.69	19.89	30	-10.11
	20175	1732.5	64QAM	1	0	20.70	19.90	30	-10.1
				1	49	20.66	19.86	30	-10.14
				25	12	19.64	18.84	30	-11.16
				50	0	19.62	18.82	30	-11.18
	20350	1750	64QAM	1	0	19.62	18.82	30	-11.18
				1	49	19.66	18.86	30	-11.14
				25	12	18.67	17.87	30	-12.13
				50	0	18.70	17.90	30	-12.1

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Antenna gain (dBi)		-0.8							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20025	1717.5	QPSK	1	0	21.86	21.06	30	-8.94
				1	74	21.82	21.02	30	-8.98
				36	18	20.68	19.88	30	-10.12
				75	0	20.68	19.88	30	-10.12
	20175	1732.5	QPSK	1	0	20.69	19.89	30	-10.11
				1	74	20.68	19.88	30	-10.12
				36	18	19.69	18.89	30	-11.11
				75	0	19.65	18.85	30	-11.15
	20325	1747.5	QPSK	1	0	19.66	18.86	30	-11.14
				1	74	19.68	18.88	30	-11.12
				36	18	18.67	17.87	30	-12.13
				75	0	18.65	17.85	30	-12.15
15	20025	1717.5	16QAM	1	0	21.90	21.10	30	-8.9
				1	74	21.91	21.11	30	-8.89
				36	18	20.68	19.88	30	-10.12
				75	0	20.66	19.86	30	-10.14
	20175	1732.5	16QAM	1	0	20.63	19.83	30	-10.17
				1	74	20.64	19.84	30	-10.16
				36	18	19.67	18.87	30	-11.13
				75	0	19.65	18.85	30	-11.15
	20325	1747.5	16QAM	1	0	19.69	18.89	30	-11.11
				1	74	19.71	18.91	30	-11.09
				36	18	18.69	17.89	30	-12.11
				75	0	18.62	17.82	30	-12.18
15	20025	1717.5	64QAM	1	0	21.82	21.02	30	-8.98
				1	74	21.83	21.03	30	-8.97
				36	18	20.67	19.87	30	-10.13
				75	0	20.67	19.87	30	-10.13
	20175	1732.5	64QAM	1	0	20.70	19.90	30	-10.1
				1	74	20.67	19.87	30	-10.13
				36	18	19.67	18.87	30	-11.13
				75	0	19.64	18.84	30	-11.16
	20325	1747.5	64QAM	1	0	19.66	18.86	30	-11.14
				1	74	19.70	18.90	30	-11.1
				36	18	18.65	17.85	30	-12.15
				75	0	18.67	17.87	30	-12.13

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Antenna gain (dBi)		-0.8							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20050	1720	QPSK	1	0	21.91	21.11	30	-8.89
				1	99	21.89	21.09	30	-8.91
				50	25	20.71	19.91	30	-10.09
				100	0	20.68	19.88	30	-10.12
	20175	1732.5	QPSK	1	0	20.63	19.83	30	-10.17
				1	99	20.63	19.83	30	-10.17
				50	25	19.67	18.87	30	-11.13
				100	0	19.61	18.81	30	-11.19
	20300	1745	QPSK	1	0	19.67	18.87	30	-11.13
				1	99	19.71	18.91	30	-11.09
				50	25	18.66	17.86	30	-12.14
				100	0	18.62	17.82	30	-12.18
20	20050	1720	16QAM	1	0	21.89	21.09	30	-8.91
				1	99	21.88	21.08	30	-8.92
				50	25	20.64	19.84	30	-10.16
				100	0	20.66	19.86	30	-10.14
	20175	1732.5	16QAM	1	0	20.64	19.84	30	-10.16
				1	99	20.65	19.85	30	-10.15
				50	25	19.69	18.89	30	-11.11
				100	0	19.67	18.87	30	-11.13
	20300	1745	16QAM	1	0	19.61	18.81	30	-11.19
				1	99	19.71	18.91	30	-11.09
				50	25	18.70	17.90	30	-12.1
				100	0	18.64	17.84	30	-12.16
20	20050	1720	64QAM	1	0	21.95	21.15	30	-8.85
				1	99	21.86	21.06	30	-8.94
				50	25	20.68	19.88	30	-10.12
				100	0	20.66	19.86	30	-10.14
	20175	1732.5	64QAM	1	0	20.66	19.86	30	-10.14
				1	99	20.62	19.82	30	-10.18
				50	25	19.71	18.91	30	-11.09
				100	0	19.71	18.91	30	-11.09
	20300	1745	64QAM	1	0	19.67	18.87	30	-11.13
				1	99	19.62	18.82	30	-11.18
				50	25	18.69	17.89	30	-12.11
				100	0	18.63	17.83	30	-12.17

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Antenna gain (dBi)		0.3								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	22.81	20.96	23.11	38.45	-17.49
				1	5	22.78	20.93	23.08	38.45	-17.52
				3	2	22.88	21.03	23.18	38.45	-17.42
				6	0	21.65	19.80	21.95	38.45	-18.65
	20525	836.5	QPSK	1	0	21.72	19.87	22.02	38.45	-18.58
				1	5	21.82	19.97	22.12	38.45	-18.48
				3	2	21.87	20.02	22.17	38.45	-18.43
				6	0	20.85	19.00	21.15	38.45	-19.45
	20643	848.3	QPSK	1	0	20.66	18.81	20.96	38.45	-19.64
				1	5	20.80	18.95	21.10	38.45	-19.50
				3	2	20.85	19.00	21.15	38.45	-19.45
				6	0	19.86	18.01	20.16	38.45	-20.44
1.4	20407	824.7	16QAM	1	0	22.82	20.97	23.12	38.45	-17.48
				1	5	22.71	20.86	23.01	38.45	-17.59
				3	2	22.80	20.95	23.10	38.45	-17.50
				6	0	21.63	19.78	21.93	38.45	-18.67
	20525	836.5	16QAM	1	0	21.87	20.02	22.17	38.45	-18.43
				1	5	21.85	20.00	22.15	38.45	-18.45
				3	2	21.79	19.94	22.09	38.45	-18.51
				6	0	20.72	18.87	21.02	38.45	-19.58
	20643	848.3	16QAM	1	0	20.62	18.77	20.92	38.45	-19.68
				1	5	20.63	18.78	20.93	38.45	-19.67
				3	2	20.88	19.03	21.18	38.45	-19.42
				6	0	19.74	17.89	20.04	38.45	-20.56
1.4	20407	824.7	64QAM	1	0	22.86	21.01	23.16	38.45	-17.44
				1	5	22.88	21.03	23.18	38.45	-17.42
				3	2	22.75	20.90	23.05	38.45	-17.55
				6	0	21.75	19.90	22.05	38.45	-18.55
	20525	836.5	64QAM	1	0	21.67	19.82	21.97	38.45	-18.63
				1	5	21.80	19.95	22.10	38.45	-18.50
				3	2	21.68	19.83	21.98	38.45	-18.62
				6	0	20.68	18.83	20.98	38.45	-19.62
	20643	848.3	64QAM	1	0	20.70	18.85	21.00	38.45	-19.60
				1	5	20.67	18.82	20.97	38.45	-19.63
				3	2	20.84	18.99	21.14	38.45	-19.46
				6	0	19.75	17.90	20.05	38.45	-20.55

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Antenna gain (dBi)		0.3								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	22.61	20.76	22.91	38.45	-17.69
				1	14	22.67	20.82	22.97	38.45	-17.63
				8	4	21.63	19.78	21.93	38.45	-18.67
				15	0	21.70	19.85	22.00	38.45	-18.60
	20525	836.5	QPSK	1	0	21.79	19.94	22.09	38.45	-18.51
				1	14	21.81	19.96	22.11	38.45	-18.49
				8	4	20.63	18.78	20.93	38.45	-19.67
				15	0	20.87	19.02	21.17	38.45	-19.43
	20635	847.5	QPSK	1	0	20.66	18.81	20.96	38.45	-19.64
				1	14	20.85	19.00	21.15	38.45	-19.45
				8	4	19.86	18.01	20.16	38.45	-20.44
				15	0	19.66	17.81	19.96	38.45	-20.64
3	20415	825.5	16QAM	1	0	22.66	20.81	22.96	38.45	-17.64
				1	14	22.78	20.93	23.08	38.45	-17.52
				8	4	21.78	19.93	22.08	38.45	-18.52
				15	0	21.70	19.85	22.00	38.45	-18.60
	20525	836.5	16QAM	1	0	21.83	19.98	22.13	38.45	-18.47
				1	14	21.77	19.92	22.07	38.45	-18.53
				8	4	20.71	18.86	21.01	38.45	-19.59
				15	0	20.88	19.03	21.18	38.45	-19.42
	20635	847.5	16QAM	1	0	20.67	18.82	20.97	38.45	-19.63
				1	14	20.64	18.79	20.94	38.45	-19.66
				8	4	19.74	17.89	20.04	38.45	-20.56
				15	0	19.64	17.79	19.94	38.45	-20.66
3	20415	825.5	64QAM	1	0	22.70	20.85	23.00	38.45	-17.60
				1	14	22.72	20.87	23.02	38.45	-17.58
				8	4	21.64	19.79	21.94	38.45	-18.66
				15	0	21.65	19.80	21.95	38.45	-18.65
	20525	836.5	64QAM	1	0	21.63	19.78	21.93	38.45	-18.67
				1	14	21.74	19.89	22.04	38.45	-18.56
				8	4	20.71	18.86	21.01	38.45	-19.59
				15	0	20.82	18.97	21.12	38.45	-19.48
	20635	847.5	64QAM	1	0	20.72	18.87	21.02	38.45	-19.58
				1	14	20.82	18.97	21.12	38.45	-19.48
				8	4	19.68	17.83	19.98	38.45	-20.62
				15	0	19.81	17.96	20.11	38.45	-20.49

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Antenna gain (dBi)		0.3								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	22.78	20.93	23.08	38.45	-17.52
				1	24	22.62	20.77	22.92	38.45	-17.68
				12	6	21.83	19.98	22.13	38.45	-18.47
				25	0	21.64	19.79	21.94	38.45	-18.66
	20525	836.5	QPSK	1	0	21.60	19.75	21.90	38.45	-18.70
				1	24	21.78	19.93	22.08	38.45	-18.52
				12	6	20.90	19.05	21.20	38.45	-19.40
				25	0	20.90	19.05	21.20	38.45	-19.40
	20625	846.5	QPSK	1	0	20.68	18.83	20.98	38.45	-19.62
				1	24	20.64	18.79	20.94	38.45	-19.66
				12	6	19.67	17.82	19.97	38.45	-20.63
				25	0	19.84	17.99	20.14	38.45	-20.46
5	20425	826.5	16QAM	1	0	22.62	20.77	22.92	38.45	-17.68
				1	24	22.66	20.81	22.96	38.45	-17.64
				12	6	21.82	19.97	22.12	38.45	-18.48
				25	0	21.64	19.79	21.94	38.45	-18.66
	20525	836.5	16QAM	1	0	21.79	19.94	22.09	38.45	-18.51
				1	24	21.79	19.94	22.09	38.45	-18.51
				12	6	20.82	18.97	21.12	38.45	-19.48
				25	0	20.72	18.87	21.02	38.45	-19.58
	20625	846.5	16QAM	1	0	20.68	18.83	20.98	38.45	-19.62
				1	24	20.74	18.89	21.04	38.45	-19.56
				12	6	19.84	17.99	20.14	38.45	-20.46
				25	0	19.81	17.96	20.11	38.45	-20.49
5	20425	826.5	64QAM	1	0	22.78	20.93	23.08	38.45	-17.52
				1	24	22.82	20.97	23.12	38.45	-17.48
				12	6	21.76	19.91	22.06	38.45	-18.54
				25	0	21.88	20.03	22.18	38.45	-18.42
	20525	836.5	64QAM	1	0	21.86	20.01	22.16	38.45	-18.44
				1	24	21.63	19.78	21.93	38.45	-18.67
				12	6	20.82	18.97	21.12	38.45	-19.48
				25	0	20.62	18.77	20.92	38.45	-19.68
	20625	846.5	64QAM	1	0	20.80	18.95	21.10	38.45	-19.50
				1	24	20.87	19.02	21.17	38.45	-19.43
				12	6	19.67	17.82	19.97	38.45	-20.63
				25	0	19.65	17.80	19.95	38.45	-20.65

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Antenna gain (dBi)		0.3								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	22.99	21.14	23.29	38.45	-17.31
				1	49	22.89	21.04	23.19	38.45	-17.41
				25	12	21.91	20.06	22.21	38.45	-18.39
				50	0	21.99	20.14	22.29	38.45	-18.31
	20525	836.5	QPSK	1	0	21.78	19.93	22.08	38.45	-18.52
				1	49	21.64	19.79	21.94	38.45	-18.66
				25	12	20.82	18.97	21.12	38.45	-19.48
				50	0	20.89	19.04	21.19	38.45	-19.41
	20600	844	QPSK	1	0	20.79	18.94	21.09	38.45	-19.51
				1	49	20.62	18.77	20.92	38.45	-19.68
				25	12	19.70	17.85	20.00	38.45	-20.60
				50	0	19.72	17.87	20.02	38.45	-20.58
10	20450	829	16QAM	1	0	22.95	21.10	23.25	38.45	-17.35
				1	49	22.85	21.00	23.15	38.45	-17.45
				25	12	21.86	20.01	22.16	38.45	-18.44
				50	0	21.91	20.06	22.21	38.45	-18.39
	20525	836.5	16QAM	1	0	21.70	19.85	22.00	38.45	-18.60
				1	49	21.65	19.80	21.95	38.45	-18.65
				25	12	20.67	18.82	20.97	38.45	-19.63
				50	0	20.85	19.00	21.15	38.45	-19.45
	20600	844	16QAM	1	0	20.77	18.92	21.07	38.45	-19.53
				1	49	20.72	18.87	21.02	38.45	-19.58
				25	12	19.64	17.79	19.94	38.45	-20.66
				50	0	19.72	17.87	20.02	38.45	-20.58
10	20450	829	64QAM	1	0	22.91	21.06	23.21	38.45	-17.39
				1	49	22.71	20.86	23.01	38.45	-17.59
				25	12	21.76	19.91	22.06	38.45	-18.54
				50	0	21.74	19.89	22.04	38.45	-18.56
	20525	836.5	64QAM	1	0	21.72	19.87	22.02	38.45	-18.58
				1	49	21.85	20.00	22.15	38.45	-18.45
				25	12	20.72	18.87	21.02	38.45	-19.58
				50	0	20.79	18.94	21.09	38.45	-19.51
	20600	844	64QAM	1	0	20.65	18.80	20.95	38.45	-19.65
				1	49	20.67	18.82	20.97	38.45	-19.63
				25	12	19.74	17.89	20.04	38.45	-20.56
				50	0	19.66	17.81	19.96	38.45	-20.64

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Antenna gain (dBi)		-1.1								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	22.44	19.19	21.34	34.77	-15.58
				1	5	22.56	19.31	21.46	34.77	-15.46
				3	2	22.40	19.15	21.30	34.77	-15.62
				6	0	21.47	18.22	20.37	34.77	-16.55
	23095	707.5	QPSK	1	0	21.59	18.34	20.49	34.77	-16.43
				1	5	21.48	18.23	20.38	34.77	-16.54
				3	2	21.44	18.19	20.34	34.77	-16.58
				6	0	20.45	17.20	19.35	34.77	-17.57
	23173	715.5	QPSK	1	0	20.55	17.30	19.45	34.77	-17.47
				1	5	20.56	17.31	19.46	34.77	-17.46
				3	2	20.45	17.20	19.35	34.77	-17.57
				6	0	19.50	16.25	18.40	34.77	-18.52
1.4	23017	699.7	16QAM	1	0	22.54	19.29	21.44	34.77	-15.48
				1	5	22.55	19.30	21.45	34.77	-15.47
				3	2	22.60	19.35	21.50	34.77	-15.42
				6	0	21.59	18.34	20.49	34.77	-16.43
	23095	707.5	16QAM	1	0	21.51	18.26	20.41	34.77	-16.51
				1	5	21.43	18.18	20.33	34.77	-16.59
				3	2	21.45	18.20	20.35	34.77	-16.57
				6	0	20.43	17.18	19.33	34.77	-17.59
	23173	715.5	16QAM	1	0	20.47	17.22	19.37	34.77	-17.55
				1	5	20.48	17.23	19.38	34.77	-17.54
				3	2	20.58	17.33	19.48	34.77	-17.44
				6	0	19.45	16.20	18.35	34.77	-18.57
1.4	23017	699.7	64QAM	1	0	22.43	19.18	21.33	34.77	-15.59
				1	5	22.52	19.27	21.42	34.77	-15.50
				3	2	22.56	19.31	21.46	34.77	-15.46
				6	0	21.56	18.31	20.46	34.77	-16.46
	23095	707.5	64QAM	1	0	21.56	18.31	20.46	34.77	-16.46
				1	5	21.49	18.24	20.39	34.77	-16.53
				3	2	21.56	18.31	20.46	34.77	-16.46
				6	0	20.56	17.31	19.46	34.77	-17.46
	23173	715.5	64QAM	1	0	20.49	17.24	19.39	34.77	-17.53
				1	5	20.47	17.22	19.37	34.77	-17.55
				3	2	20.49	17.24	19.39	34.77	-17.53
				6	0	19.50	16.25	18.40	34.77	-18.52

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Antenna gain (dBi)		-1.1								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	22.48	19.23	21.38	34.77	-15.54
				1	14	22.57	19.32	21.47	34.77	-15.45
				8	4	21.43	18.18	20.33	34.77	-16.59
				15	0	21.50	18.25	20.40	34.77	-16.52
	23095	707.5	QPSK	1	0	21.54	18.29	20.44	34.77	-16.48
				1	14	21.48	18.23	20.38	34.77	-16.54
				8	4	20.52	17.27	19.42	34.77	-17.50
				15	0	20.41	17.16	19.31	34.77	-17.61
	23165	714.5	QPSK	1	0	20.58	17.33	19.48	34.77	-17.44
				1	14	20.59	17.34	19.49	34.77	-17.43
				8	4	19.43	16.18	18.33	34.77	-18.59
				15	0	19.40	16.15	18.30	34.77	-18.62
3	23025	700.5	16QAM	1	0	22.55	19.30	21.45	34.77	-15.47
				1	14	22.40	19.15	21.30	34.77	-15.62
				8	4	21.56	18.31	20.46	34.77	-16.46
				15	0	21.53	18.28	20.43	34.77	-16.49
	23095	707.5	16QAM	1	0	21.44	18.19	20.34	34.77	-16.58
				1	14	21.59	18.34	20.49	34.77	-16.43
				8	4	20.42	17.17	19.32	34.77	-17.60
				15	0	20.58	17.33	19.48	34.77	-17.44
	23165	714.5	16QAM	1	0	20.47	17.22	19.37	34.77	-17.55
				1	14	20.54	17.29	19.44	34.77	-17.48
				8	4	19.57	16.32	18.47	34.77	-18.45
				15	0	19.55	16.30	18.45	34.77	-18.47
3	23025	700.5	64QAM	1	0	22.60	19.35	21.50	34.77	-15.42
				1	14	22.56	19.31	21.46	34.77	-15.46
				8	4	21.49	18.24	20.39	34.77	-16.53
				15	0	21.48	18.23	20.38	34.77	-16.54
	23095	707.5	64QAM	1	0	21.44	18.19	20.34	34.77	-16.58
				1	14	21.59	18.34	20.49	34.77	-16.43
				8	4	20.49	17.24	19.39	34.77	-17.53
				15	0	20.55	17.30	19.45	34.77	-17.47
	23165	714.5	64QAM	1	0	20.44	17.19	19.34	34.77	-17.58
				1	14	20.56	17.31	19.46	34.77	-17.46
				8	4	19.45	16.20	18.35	34.77	-18.57
				15	0	19.58	16.33	18.48	34.77	-18.44

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Antenna gain (dBi)		-1.1								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	22.60	19.35	21.50	34.77	-15.42
				1	24	22.50	19.25	21.40	34.77	-15.52
				12	6	21.55	18.30	20.45	34.77	-16.47
				25	0	21.45	18.20	20.35	34.77	-16.57
	23095	707.5	QPSK	1	0	21.44	18.19	20.34	34.77	-16.58
				1	24	21.54	18.29	20.44	34.77	-16.48
				12	6	20.52	17.27	19.42	34.77	-17.50
				25	0	20.49	17.24	19.39	34.77	-17.53
	23155	713.5	QPSK	1	0	20.45	17.20	19.35	34.77	-17.57
				1	24	20.54	17.29	19.44	34.77	-17.48
				12	6	19.50	16.25	18.40	34.77	-18.52
				25	0	19.49	16.24	18.39	34.77	-18.53
5	23035	701.5	16QAM	1	0	22.57	19.32	21.47	34.77	-15.45
				1	24	22.59	19.34	21.49	34.77	-15.43
				12	6	21.51	18.26	20.41	34.77	-16.51
				25	0	21.45	18.20	20.35	34.77	-16.57
	23095	707.5	16QAM	1	0	21.50	18.25	20.40	34.77	-16.52
				1	24	21.58	18.33	20.48	34.77	-16.44
				12	6	20.46	17.21	19.36	34.77	-17.56
				25	0	20.56	17.31	19.46	34.77	-17.46
	23155	713.5	16QAM	1	0	20.49	17.24	19.39	34.77	-17.53
				1	24	20.55	17.30	19.45	34.77	-17.47
				12	6	19.42	16.17	18.32	34.77	-18.60
				25	0	19.54	16.29	18.44	34.77	-18.48
5	23035	701.5	64QAM	1	0	22.50	19.25	21.40	34.77	-15.52
				1	24	22.52	19.27	21.42	34.77	-15.50
				12	6	21.57	18.32	20.47	34.77	-16.45
				25	0	21.56	18.31	20.46	34.77	-16.46
	23095	707.5	64QAM	1	0	21.55	18.30	20.45	34.77	-16.47
				1	24	21.51	18.26	20.41	34.77	-16.51
				12	6	20.46	17.21	19.36	34.77	-17.56
				25	0	20.51	17.26	19.41	34.77	-17.51
	23155	713.5	64QAM	1	0	20.53	17.28	19.43	34.77	-17.49
				1	24	20.55	17.30	19.45	34.77	-17.47
				12	6	19.42	16.17	18.32	34.77	-18.60
				25	0	19.59	16.34	18.49	34.77	-18.43

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Antenna gain (dBi)		-1.1								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	22.63	19.38	21.53	34.77	-15.39
				1	49	22.57	19.32	21.47	34.77	-15.45
				25	12	21.48	18.23	20.38	34.77	-16.54
				50	0	21.59	18.34	20.49	34.77	-16.43
	23095	707.5	QPSK	1	0	21.83	18.58	20.73	34.77	-16.19
				1	49	21.78	18.53	20.68	34.77	-16.24
				25	12	20.64	17.39	19.54	34.77	-17.38
				50	0	20.61	17.36	19.51	34.77	-17.41
	23130	711	QPSK	1	0	20.42	17.17	19.32	34.77	-17.60
				1	49	20.43	17.18	19.33	34.77	-17.59
				25	12	19.53	16.28	18.43	34.77	-18.49
				50	0	19.60	16.35	18.50	34.77	-18.42
10	23060	704	16QAM	1	0	22.72	19.47	21.62	34.77	-15.30
				1	49	22.61	19.36	21.51	34.77	-15.41
				25	12	21.50	18.25	20.40	34.77	-16.52
				50	0	21.66	18.41	20.56	34.77	-16.36
	23095	707.5	16QAM	1	0	21.82	18.57	20.72	34.77	-16.20
				1	49	21.74	18.49	20.64	34.77	-16.28
				25	12	20.54	17.29	19.44	34.77	-17.48
				50	0	20.61	17.36	19.51	34.77	-17.41
	23130	711	16QAM	1	0	20.53	17.28	19.43	34.77	-17.49
				1	49	20.48	17.23	19.38	34.77	-17.54
				25	12	19.58	16.33	18.48	34.77	-18.44
				50	0	19.55	16.30	18.45	34.77	-18.47
10	23060	704	64QAM	1	0	22.65	19.40	21.55	34.77	-15.37
				1	49	22.61	19.36	21.51	34.77	-15.41
				25	12	21.54	18.29	20.44	34.77	-16.48
				50	0	21.45	18.20	20.35	34.77	-16.57
	23095	707.5	64QAM	1	0	21.87	18.62	20.77	34.77	-16.15
				1	49	21.70	18.45	20.60	34.77	-16.32
				25	12	20.50	17.25	19.40	34.77	-17.52
				50	0	20.34	17.09	19.24	34.77	-17.68
	23130	711	64QAM	1	0	20.54	17.29	19.44	34.77	-17.48
				1	49	20.44	17.19	19.34	34.77	-17.58
				25	12	19.47	16.22	18.37	34.77	-18.55
				50	0	19.48	16.23	18.38	34.77	-18.54

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Antenna gain (dBi)		-1.1								
LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23755	706.5	QPSK	1	0	22.42	19.17	21.32	34.77	-15.60
				1	24	22.58	19.33	21.48	34.77	-15.44
				12	6	21.48	18.23	20.38	34.77	-16.54
				25	0	21.51	18.26	20.41	34.77	-16.51
	23790	710	QPSK	1	0	21.52	18.27	20.42	34.77	-16.50
				1	24	21.58	18.33	20.48	34.77	-16.44
				12	6	20.57	17.32	19.47	34.77	-17.45
				25	0	20.53	17.28	19.43	34.77	-17.49
	23825	713.5	QPSK	1	0	20.50	17.25	19.40	34.77	-17.52
				1	24	20.49	17.24	19.39	34.77	-17.53
				12	6	19.49	16.24	18.39	34.77	-18.53
				25	0	19.50	16.25	18.40	34.77	-18.52
5	23755	706.5	16QAM	1	0	22.42	19.17	21.32	34.77	-15.60
				1	24	22.50	19.25	21.40	34.77	-15.52
				12	6	21.58	18.33	20.48	34.77	-16.44
				25	0	21.51	18.26	20.41	34.77	-16.51
	23790	710	16QAM	1	0	21.59	18.34	20.49	34.77	-16.43
				1	24	21.51	18.26	20.41	34.77	-16.51
				12	6	20.51	17.26	19.41	34.77	-17.51
				25	0	20.59	17.34	19.49	34.77	-17.43
	23825	713.5	16QAM	1	0	20.45	17.20	19.35	34.77	-17.57
				1	24	20.45	17.20	19.35	34.77	-17.57
				12	6	19.53	16.28	18.43	34.77	-18.49
				25	0	19.47	16.22	18.37	34.77	-18.55
5	23755	706.5	64QAM	1	0	22.47	19.22	21.37	34.77	-15.55
				1	24	22.53	19.28	21.43	34.77	-15.49
				12	6	21.49	18.24	20.39	34.77	-16.53
				25	0	21.50	18.25	20.40	34.77	-16.52
	23790	710	64QAM	1	0	21.55	18.30	20.45	34.77	-16.47
				1	24	21.60	18.35	20.50	34.77	-16.42
				12	6	20.48	17.23	19.38	34.77	-17.54
				25	0	20.44	17.19	19.34	34.77	-17.58
	23825	713.5	64QAM	1	0	20.53	17.28	19.43	34.77	-17.49
				1	24	20.49	17.24	19.39	34.77	-17.53
				12	6	19.53	16.28	18.43	34.77	-18.49
				25	0	19.46	16.21	18.36	34.77	-18.56

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Antenna gain (dBi)		-1.1								
LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23780	709	QPSK	1	0	22.63	19.38	21.53	34.77	-15.39
				1	49	22.62	19.37	21.52	34.77	-15.40
				25	12	21.36	18.11	20.26	34.77	-16.66
				50	0	21.62	18.37	20.52	34.77	-16.40
	23790	710	QPSK	1	0	21.75	18.50	20.65	34.77	-16.27
				1	49	21.97	18.72	20.87	34.77	-16.05
				25	12	20.63	17.38	19.53	34.77	-17.39
				50	0	20.63	17.38	19.53	34.77	-17.39
	23800	711	QPSK	1	0	20.52	17.27	19.42	34.77	-17.50
				1	49	20.53	17.28	19.43	34.77	-17.49
				25	12	19.53	16.28	18.43	34.77	-18.49
				50	0	19.49	16.24	18.39	34.77	-18.53
10	23780	709	16QAM	1	0	22.68	19.43	21.58	34.77	-15.34
				1	49	22.58	19.33	21.48	34.77	-15.44
				25	12	21.52	18.27	20.42	34.77	-16.50
				50	0	21.49	18.24	20.39	34.77	-16.53
	23790	710	16QAM	1	0	21.85	18.60	20.75	34.77	-16.17
				1	49	21.95	18.70	20.85	34.77	-16.07
				25	12	20.53	17.28	19.43	34.77	-17.49
				50	0	20.49	17.24	19.39	34.77	-17.53
	23800	711	16QAM	1	0	20.52	17.27	19.42	34.77	-17.50
				1	49	20.53	17.28	19.43	34.77	-17.49
				25	12	19.43	16.18	18.33	34.77	-18.59
				50	0	19.50	16.25	18.40	34.77	-18.52
10	23780	709	64QAM	1	0	22.65	19.40	21.55	34.77	-15.37
				1	49	22.60	19.35	21.50	34.77	-15.42
				25	12	21.53	18.28	20.43	34.77	-16.49
				50	0	21.42	18.17	20.32	34.77	-16.60
	23790	710	64QAM	1	0	21.85	18.60	20.75	34.77	-16.17
				1	49	21.93	18.68	20.83	34.77	-16.09
				25	12	20.55	17.30	19.45	34.77	-17.47
				50	0	20.42	17.17	19.32	34.77	-17.60
	23800	711	64QAM	1	0	20.55	17.30	19.45	34.77	-17.47
				1	49	20.52	17.27	19.42	34.77	-17.50
				25	12	19.42	16.17	18.32	34.77	-18.60
				50	0	19.56	16.31	18.46	34.77	-18.46

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Antenna gain (dBi)		0.2								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26797	824.7	QPSK	1	0	22.73	20.78	22.93	38.45	-17.67
				1	5	22.81	20.86	23.01	38.45	-17.59
				3	2	22.76	20.81	22.96	38.45	-17.64
				6	0	21.68	19.73	21.88	38.45	-18.72
	26915	836.5	QPSK	1	0	21.61	19.66	21.81	38.45	-18.79
				1	5	21.63	19.68	21.83	38.45	-18.77
				3	2	21.85	19.90	22.05	38.45	-18.55
				6	0	20.82	18.87	21.02	38.45	-19.58
	27033	848.3	QPSK	1	0	20.87	18.92	21.07	38.45	-19.53
				1	5	20.75	18.80	20.95	38.45	-19.65
				3	2	20.88	18.93	21.08	38.45	-19.52
				6	0	19.60	17.65	19.80	38.45	-20.80
1.4	26797	824.7	16QAM	1	0	22.68	20.73	22.88	38.45	-17.72
				1	5	22.89	20.94	23.09	38.45	-17.51
				3	2	22.66	20.71	22.86	38.45	-17.74
				6	0	21.84	19.89	22.04	38.45	-18.56
	26915	836.5	16QAM	1	0	21.84	19.89	22.04	38.45	-18.56
				1	5	21.83	19.88	22.03	38.45	-18.57
				3	2	21.83	19.88	22.03	38.45	-18.57
				6	0	20.77	18.82	20.97	38.45	-19.63
	27033	848.3	16QAM	1	0	20.65	18.70	20.85	38.45	-19.75
				1	5	20.85	18.90	21.05	38.45	-19.55
				3	2	20.79	18.84	20.99	38.45	-19.61
				6	0	19.76	17.81	19.96	38.45	-20.64
1.4	26797	824.7	64QAM	1	0	22.77	20.82	22.97	38.45	-17.63
				1	5	22.85	20.90	23.05	38.45	-17.55
				3	2	22.83	20.88	23.03	38.45	-17.57
				6	0	21.68	19.73	21.88	38.45	-18.72
	26915	836.5	64QAM	1	0	21.83	19.88	22.03	38.45	-18.57
				1	5	21.79	19.84	21.99	38.45	-18.61
				3	2	21.75	19.80	21.95	38.45	-18.65
				6	0	20.82	18.87	21.02	38.45	-19.58
	27033	848.3	64QAM	1	0	20.81	18.86	21.01	38.45	-19.59
				1	5	20.77	18.82	20.97	38.45	-19.63
				3	2	20.73	18.78	20.93	38.45	-19.67
				6	0	19.87	17.92	20.07	38.45	-20.53

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Antenna gain (dBi)		0.2								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26805	825.5	QPSK	1	0	22.62	20.67	22.82	38.45	-17.78
				1	14	22.70	20.75	22.90	38.45	-17.70
				8	4	21.62	19.67	21.82	38.45	-18.78
				15	0	21.60	19.65	21.80	38.45	-18.80
	26915	836.5	QPSK	1	0	21.69	19.74	21.89	38.45	-18.71
				1	14	21.80	19.85	22.00	38.45	-18.60
				8	4	20.86	18.91	21.06	38.45	-19.54
				15	0	20.79	18.84	20.99	38.45	-19.61
	27025	847.5	QPSK	1	0	20.88	18.93	21.08	38.45	-19.52
				1	14	20.73	18.78	20.93	38.45	-19.67
				8	4	19.83	17.88	20.03	38.45	-20.57
				15	0	19.63	17.68	19.83	38.45	-20.77
3	26805	825.5	16QAM	1	0	22.69	20.74	22.89	38.45	-17.71
				1	14	22.69	20.74	22.89	38.45	-17.71
				8	4	21.71	19.76	21.91	38.45	-18.69
				15	0	21.60	19.65	21.80	38.45	-18.80
	26915	836.5	16QAM	1	0	21.71	19.76	21.91	38.45	-18.69
				1	14	21.67	19.72	21.87	38.45	-18.73
				8	4	20.68	18.73	20.88	38.45	-19.72
				15	0	20.72	18.77	20.92	38.45	-19.68
	27025	847.5	16QAM	1	0	20.63	18.68	20.83	38.45	-19.77
				1	14	20.81	18.86	21.01	38.45	-19.59
				8	4	19.82	17.87	20.02	38.45	-20.58
				15	0	19.66	17.71	19.86	38.45	-20.74
3	26805	825.5	64QAM	1	0	22.75	20.80	22.95	38.45	-17.65
				1	14	22.74	20.79	22.94	38.45	-17.66
				8	4	21.64	19.69	21.84	38.45	-18.76
				15	0	21.71	19.76	21.91	38.45	-18.69
	26915	836.5	64QAM	1	0	21.61	19.66	21.81	38.45	-18.79
				1	14	21.87	19.92	22.07	38.45	-18.53
				8	4	20.73	18.78	20.93	38.45	-19.67
				15	0	20.61	18.66	20.81	38.45	-19.79
	27025	847.5	64QAM	1	0	20.77	18.82	20.97	38.45	-19.63
				1	14	20.67	18.72	20.87	38.45	-19.73
				8	4	19.79	17.84	19.99	38.45	-20.61
				15	0	19.86	17.91	20.06	38.45	-20.54

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Antenna gain (dBi)		0.2								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26815	826.5	QPSK	1	0	22.82	20.87	23.02	38.45	-17.58
				1	24	22.62	20.67	22.82	38.45	-17.78
				12	6	21.82	19.87	22.02	38.45	-18.58
				25	0	21.70	19.75	21.90	38.45	-18.70
	26915	836.5	QPSK	1	0	21.62	19.67	21.82	38.45	-18.78
				1	24	21.90	19.95	22.10	38.45	-18.50
				12	6	20.62	18.67	20.82	38.45	-19.78
				25	0	20.61	18.66	20.81	38.45	-19.79
	27015	846.5	QPSK	1	0	20.69	18.74	20.89	38.45	-19.71
				1	24	20.84	18.89	21.04	38.45	-19.56
				12	6	19.81	17.86	20.01	38.45	-20.59
				25	0	19.67	17.72	19.87	38.45	-20.73
5	26815	826.5	16QAM	1	0	22.82	20.87	23.02	38.45	-17.58
				1	24	22.67	20.72	22.87	38.45	-17.73
				12	6	21.65	19.70	21.85	38.45	-18.75
				25	0	21.74	19.79	21.94	38.45	-18.66
	26915	836.5	16QAM	1	0	21.70	19.75	21.90	38.45	-18.70
				1	24	21.85	19.90	22.05	38.45	-18.55
				12	6	20.68	18.73	20.88	38.45	-19.72
				25	0	20.71	18.76	20.91	38.45	-19.69
	27015	846.5	16QAM	1	0	20.70	18.75	20.90	38.45	-19.70
				1	24	20.63	18.68	20.83	38.45	-19.77
				12	6	19.68	17.73	19.88	38.45	-20.72
				25	0	19.70	17.75	19.90	38.45	-20.70
5	26815	826.5	64QAM	1	0	22.67	20.72	22.87	38.45	-17.73
				1	24	22.81	20.86	23.01	38.45	-17.59
				12	6	21.83	19.88	22.03	38.45	-18.57
				25	0	21.82	19.87	22.02	38.45	-18.58
	26915	836.5	64QAM	1	0	21.76	19.81	21.96	38.45	-18.64
				1	24	21.69	19.74	21.89	38.45	-18.71
				12	6	20.73	18.78	20.93	38.45	-19.67
				25	0	20.63	18.68	20.83	38.45	-19.77
	27015	846.5	64QAM	1	0	20.79	18.84	20.99	38.45	-19.61
				1	24	20.89	18.94	21.09	38.45	-19.51
				12	6	19.69	17.74	19.89	38.45	-20.71
				25	0	19.90	17.95	20.10	38.45	-20.50

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Antenna gain (dBi)		0.2								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26840	829	QPSK	1	0	22.62	20.67	22.82	38.45	-17.78
				1	49	22.72	20.77	22.92	38.45	-17.68
				25	12	21.64	19.69	21.84	38.45	-18.76
				50	0	21.85	19.90	22.05	38.45	-18.55
	26915	836.5	QPSK	1	0	21.73	19.78	21.93	38.45	-18.67
				1	49	21.77	19.82	21.97	38.45	-18.63
				25	12	20.61	18.66	20.81	38.45	-19.79
				50	0	20.79	18.84	20.99	38.45	-19.61
	26990	844	QPSK	1	0	20.73	18.78	20.93	38.45	-19.67
				1	49	20.64	18.69	20.84	38.45	-19.76
				25	12	19.80	17.85	20.00	38.45	-20.60
				50	0	19.80	17.85	20.00	38.45	-20.60
10	26840	829	16QAM	1	0	22.82	20.87	23.02	38.45	-17.58
				1	49	22.67	20.72	22.87	38.45	-17.73
				25	12	21.62	19.67	21.82	38.45	-18.78
				50	0	21.88	19.93	22.08	38.45	-18.52
	26915	836.5	16QAM	1	0	21.82	19.87	22.02	38.45	-18.58
				1	49	21.89	19.94	22.09	38.45	-18.51
				25	12	20.76	18.81	20.96	38.45	-19.64
				50	0	20.73	18.78	20.93	38.45	-19.67
	26990	844	16QAM	1	0	20.78	18.83	20.98	38.45	-19.62
				1	49	20.81	18.86	21.01	38.45	-19.59
				25	12	19.73	17.78	19.93	38.45	-20.67
				50	0	19.90	17.95	20.10	38.45	-20.50
10	26840	829	64QAM	1	0	22.66	20.71	22.86	38.45	-17.74
				1	49	22.84	20.89	23.04	38.45	-17.56
				25	12	21.76	19.81	21.96	38.45	-18.64
				50	0	21.73	19.78	21.93	38.45	-18.67
	26915	836.5	64QAM	1	0	21.77	19.82	21.97	38.45	-18.63
				1	49	21.87	19.92	22.07	38.45	-18.53
				25	12	20.83	18.88	21.03	38.45	-19.57
				50	0	20.62	18.67	20.82	38.45	-19.78
	26990	844	64QAM	1	0	20.62	18.67	20.82	38.45	-19.78
				1	49	20.73	18.78	20.93	38.45	-19.67
				25	12	19.71	17.76	19.91	38.45	-20.69
				50	0	19.80	17.85	20.00	38.45	-20.60

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Antenna gain (dBi)		0.2								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	26865	831.5	QPSK	1	0	22.99	21.04	23.19	38.45	-17.41
				1	74	22.93	20.98	23.13	38.45	-17.47
				36	18	21.93	19.98	22.13	38.45	-18.47
				75	0	21.96	20.01	22.16	38.45	-18.44
	26915	836.5	QPSK	1	0	21.60	19.65	21.80	38.45	-18.80
				1	74	21.64	19.69	21.84	38.45	-18.76
				36	18	20.78	18.83	20.98	38.45	-19.62
				75	0	20.62	18.67	20.82	38.45	-19.78
	26965	841.5	QPSK	1	0	20.72	18.77	20.92	38.45	-19.68
				1	74	20.62	18.67	20.82	38.45	-19.78
				36	18	19.78	17.83	19.98	38.45	-20.62
				75	0	19.79	17.84	19.99	38.45	-20.61
15	26865	831.5	16QAM	1	0	22.96	21.01	23.16	38.45	-17.44
				1	74	22.76	20.81	22.96	38.45	-17.64
				36	18	21.91	19.96	22.11	38.45	-18.49
				75	0	21.91	19.96	22.11	38.45	-18.49
	26915	836.5	16QAM	1	0	21.78	19.83	21.98	38.45	-18.62
				1	74	21.65	19.70	21.85	38.45	-18.75
				36	18	20.77	18.82	20.97	38.45	-19.63
				75	0	20.70	18.75	20.90	38.45	-19.70
	26965	841.5	16QAM	1	0	20.85	18.90	21.05	38.45	-19.55
				1	74	20.74	18.79	20.94	38.45	-19.66
				36	18	19.60	17.65	19.80	38.45	-20.80
				75	0	19.62	17.67	19.82	38.45	-20.78
15	26865	831.5	64QAM	1	0	22.93	20.98	23.13	38.45	-17.47
				1	74	22.62	20.67	22.82	38.45	-17.78
				36	18	21.80	19.85	22.00	38.45	-18.60
				75	0	21.76	19.81	21.96	38.45	-18.64
	26915	836.5	64QAM	1	0	21.88	19.93	22.08	38.45	-18.52
				1	74	21.81	19.86	22.01	38.45	-18.59
				36	18	20.83	18.88	21.03	38.45	-19.57
				75	0	20.63	18.68	20.83	38.45	-19.77
	26965	841.5	64QAM	1	0	20.89	18.94	21.09	38.45	-19.51
				1	74	20.72	18.77	20.92	38.45	-19.68
				36	18	19.89	17.94	20.09	38.45	-20.51
				75	0	19.65	17.70	19.85	38.45	-20.75

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Antenna gain (dBi)		0.2								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26697	814.7	QPSK	1	0	22.79	20.84	22.99	50	-29.16
				1	5	22.94	20.99	23.14	50	-29.01
				3	2	22.84	20.89	23.04	50	-29.11
				6	0	21.46	19.51	21.66	50	-30.49
	26740	819	QPSK	1	0	21.42	19.47	21.62	50	-30.53
				1	5	21.85	19.90	22.05	50	-30.10
				3	2	21.96	20.01	22.16	50	-29.99
				6	0	20.94	18.99	21.14	50	-31.01
	26783	823.3	QPSK	1	0	20.71	18.76	20.91	50	-31.24
				1	5	20.89	18.94	21.09	50	-31.06
				3	2	20.95	19.00	21.15	50	-31.00
				6	0	19.43	17.48	19.63	50	-32.52
1.4	26697	814.7	16QAM	1	0	22.67	20.72	22.87	50	-29.28
				1	5	22.70	20.75	22.90	50	-29.25
				3	2	22.72	20.77	22.92	50	-29.23
				6	0	21.67	19.72	21.87	50	-30.28
	26740	819	16QAM	1	0	22.06	20.11	22.26	50	-29.89
				1	5	21.72	19.77	21.92	50	-30.23
				3	2	21.70	19.75	21.90	50	-30.25
				6	0	20.89	18.94	21.09	50	-31.06
	26783	823.3	16QAM	1	0	20.69	18.74	20.89	50	-31.26
				1	5	21.06	19.11	21.26	50	-30.89
				3	2	20.95	19.00	21.15	50	-31.00
				6	0	19.70	17.75	19.90	50	-32.25
1.4	26697	814.7	64QAM	1	0	22.88	20.93	23.08	50	-29.07
				1	5	22.76	20.81	22.96	50	-29.19
				3	2	22.74	20.79	22.94	50	-29.21
				6	0	21.69	19.74	21.89	50	-30.26
	26740	819	64QAM	1	0	21.64	19.69	21.84	50	-30.31
				1	5	21.95	20.00	22.15	50	-30.00
				3	2	21.95	20.00	22.15	50	-30.00
				6	0	20.65	18.70	20.85	50	-31.30
	26783	823.3	64QAM	1	0	20.83	18.88	21.03	50	-31.12
				1	5	20.56	18.61	20.76	50	-31.39
				3	2	20.63	18.68	20.83	50	-31.32
				6	0	20.06	18.11	20.26	50	-31.89

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Antenna gain (dBi)		0.2								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26705	815.5	QPSK	1	0	22.67	20.72	22.87	50	-29.28
				1	14	22.51	20.56	22.71	50	-29.44
				8	4	21.61	19.66	21.81	50	-30.34
				15	0	21.46	19.51	21.66	50	-30.49
	26740	819	QPSK	1	0	21.86	19.91	22.06	50	-30.09
				1	14	22.00	20.05	22.20	50	-29.95
				8	4	21.03	19.08	21.23	50	-30.92
				15	0	20.75	18.80	20.95	50	-31.20
	26775	822.5	QPSK	1	0	20.95	19.00	21.15	50	-31.00
				1	14	20.85	18.90	21.05	50	-31.10
				8	4	19.62	17.67	19.82	50	-32.33
				15	0	19.56	17.61	19.76	50	-32.39
3	26705	815.5	16QAM	1	0	22.73	20.78	22.93	50	-29.22
				1	14	22.92	20.97	23.12	50	-29.03
				8	4	21.66	19.71	21.86	50	-30.29
				15	0	21.68	19.73	21.88	50	-30.27
	26740	819	16QAM	1	0	21.96	20.01	22.16	50	-29.99
				1	14	21.75	19.80	21.95	50	-30.20
				8	4	20.73	18.78	20.93	50	-31.22
				15	0	20.88	18.93	21.08	50	-31.07
	26775	822.5	16QAM	1	0	20.48	18.53	20.68	50	-31.47
				1	14	20.79	18.84	20.99	50	-31.16
				8	4	20.04	18.09	20.24	50	-31.91
				15	0	19.69	17.74	19.89	50	-32.26
3	26705	815.5	64QAM	1	0	22.81	20.86	23.01	50	-29.14
				1	14	22.59	20.64	22.79	50	-29.36
				8	4	21.54	19.59	21.74	50	-30.41
				15	0	21.76	19.81	21.96	50	-30.19
	26740	819	64QAM	1	0	21.70	19.75	21.90	50	-30.25
				1	14	22.04	20.09	22.24	50	-29.91
				8	4	20.69	18.74	20.89	50	-31.26
				15	0	20.52	18.57	20.72	50	-31.43
	26775	822.5	64QAM	1	0	20.75	18.80	20.95	50	-31.20
				1	14	20.55	18.60	20.75	50	-31.40
				8	4	19.75	17.80	19.95	50	-32.20
				15	0	19.80	17.85	20.00	50	-32.15

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Antenna gain (dBi)		0.2								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26715	816.5	QPSK	1	0	22.69	20.74	22.89	50	-29.26
				1	24	22.54	20.59	22.74	50	-29.41
				12	6	21.58	19.63	21.78	50	-30.37
				25	0	21.47	19.52	21.67	50	-30.48
	26740	819	QPSK	1	0	21.66	19.71	21.86	50	-30.29
				1	24	21.74	19.79	21.94	50	-30.21
				12	6	20.80	18.85	21.00	50	-31.15
				25	0	20.54	18.59	20.74	50	-31.41
	26765	821.5	QPSK	1	0	20.75	18.80	20.95	50	-31.20
				1	24	21.09	19.14	21.29	50	-30.86
				12	6	19.83	17.88	20.03	50	-32.12
				25	0	19.61	17.66	19.81	50	-32.34
5	26715	816.5	16QAM	1	0	22.61	20.66	22.81	50	-29.34
				1	24	22.76	20.81	22.96	50	-29.19
				12	6	21.60	19.65	21.80	50	-30.35
				25	0	21.60	19.65	21.80	50	-30.35
	26740	819	16QAM	1	0	21.64	19.69	21.84	50	-30.31
				1	24	21.96	20.01	22.16	50	-29.99
				12	6	20.88	18.93	21.08	50	-31.07
				25	0	20.55	18.60	20.75	50	-31.40
	26765	821.5	16QAM	1	0	20.73	18.78	20.93	50	-31.22
				1	24	20.67	18.72	20.87	50	-31.28
				12	6	19.53	17.58	19.73	50	-32.42
				25	0	19.68	17.73	19.88	50	-32.27
5	26715	816.5	64QAM	1	0	22.65	20.70	22.85	50	-29.30
				1	24	22.88	20.93	23.08	50	-29.07
				12	6	21.76	19.81	21.96	50	-30.19
				25	0	21.80	19.85	22.00	50	-30.15
	26740	819	64QAM	1	0	21.58	19.63	21.78	50	-30.37
				1	24	21.93	19.98	22.13	50	-30.02
				12	6	20.72	18.77	20.92	50	-31.23
				25	0	20.48	18.53	20.68	50	-31.47
	26765	821.5	64QAM	1	0	20.84	18.89	21.04	50	-31.11
				1	24	20.73	18.78	20.93	50	-31.22
				12	6	19.69	17.74	19.89	50	-32.26
				25	0	19.94	17.99	20.14	50	-32.01

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Antenna gain (dBi)		0.2								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26740	819	QPSK	1	0	22.62	20.67	22.82	50	-29.33
				1	49	22.72	20.77	22.92	50	-29.23
				25	12	21.64	19.69	21.84	50	-30.31
				50	0	21.85	19.90	22.05	50	-30.10
10	26740	819	16QAM	1	0	21.73	19.78	21.93	50	-30.22
				1	49	21.77	19.82	21.97	50	-30.18
				25	12	20.61	18.66	20.81	50	-31.34
				50	0	20.79	18.84	20.99	50	-31.16
10	26740	819	64QAM	1	0	20.73	18.78	20.93	50	-31.22
				1	49	20.64	18.69	20.84	50	-31.31
				25	12	19.80	17.85	20.00	50	-32.15
				50	0	19.80	17.85	20.00	50	-32.15

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Antenna gain (dBi)		-0.2							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	39675	2498.5	QPSK	1	0	22.57	22.57	33	-10.43
				1	24	22.52	22.52	33	-10.48
				12	6	21.30	21.30	33	-11.7
				25	0	21.36	21.36	33	-11.64
	40620	2593	QPSK	1	0	21.30	21.30	33	-11.7
				1	24	21.33	21.33	33	-11.67
				12	6	20.47	20.47	33	-12.53
				25	0	20.48	20.48	33	-12.52
	41565	2687.5	QPSK	1	0	20.52	20.52	33	-12.48
				1	24	20.55	20.55	33	-12.45
				12	6	19.31	19.31	33	-13.69
				25	0	19.52	19.52	33	-13.48
5	39675	2498.5	16QAM	1	0	22.72	22.72	33	-10.28
				1	24	22.75	22.75	33	-10.25
				12	6	21.80	21.80	33	-11.2
				25	0	21.69	21.69	33	-11.31
	40620	2593	16QAM	1	0	21.77	21.77	33	-11.23
				1	24	21.69	21.69	33	-11.31
				12	6	20.64	20.64	33	-12.36
				25	0	20.70	20.70	33	-12.3
	41565	2687.5	16QAM	1	0	20.68	20.68	33	-12.32
				1	24	20.61	20.61	33	-12.39
				12	6	19.88	19.88	33	-13.12
				25	0	19.62	19.62	33	-13.38
5	39675	2498.5	64QAM	1	0	22.58	22.58	33	-10.42
				1	24	22.58	22.58	33	-10.42
				12	6	21.52	21.52	33	-11.48
				25	0	21.68	21.68	33	-11.32
	40620	2593	64QAM	1	0	21.57	21.57	33	-11.43
				1	24	21.59	21.59	33	-11.41
				12	6	20.56	20.56	33	-12.44
				25	0	20.64	20.64	33	-12.36
	41565	2687.5	64QAM	1	0	20.50	20.50	33	-12.5
				1	24	20.64	20.64	33	-12.36
				12	6	19.53	19.53	33	-13.47
				25	0	19.60	19.60	33	-13.4

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Antenna gain (dBi)		-0.2							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	39700	2501	QPSK	1	0	22.46	22.46	33	-10.54
				1	49	22.32	22.32	33	-10.68
				25	12	21.53	21.53	33	-11.47
				50	0	21.56	21.56	33	-11.44
	40620	2593	QPSK	1	0	21.53	21.53	33	-11.47
				1	49	21.41	21.41	33	-11.59
				25	12	20.42	20.42	33	-12.58
				50	0	20.32	20.32	33	-12.68
	41540	2685	QPSK	1	0	20.47	20.47	33	-12.53
				1	49	20.56	20.56	33	-12.44
				25	12	19.36	19.36	33	-13.64
				50	0	19.44	19.44	33	-13.56
10	39700	2501	16QAM	1	0	22.88	22.88	33	-10.12
				1	49	22.65	22.65	33	-10.35
				25	12	21.69	21.69	33	-11.31
				50	0	21.65	21.65	33	-11.35
	40620	2593	16QAM	1	0	21.86	21.86	33	-11.14
				1	49	21.74	21.74	33	-11.26
				25	12	20.88	20.88	33	-12.12
				50	0	20.84	20.84	33	-12.16
	41540	2685	16QAM	1	0	20.60	20.60	33	-12.4
				1	49	20.72	20.72	33	-12.28
				25	12	19.85	19.85	33	-13.15
				50	0	19.61	19.61	33	-13.39
10	39700	2501	64QAM	1	0	22.67	22.67	33	-10.33
				1	49	22.57	22.57	33	-10.43
				25	12	21.60	21.60	33	-11.4
				50	0	21.70	21.70	33	-11.3
	40620	2593	64QAM	1	0	21.55	21.55	33	-11.45
				1	49	21.56	21.56	33	-11.44
				25	12	20.63	20.63	33	-12.37
				50	0	20.52	20.52	33	-12.48
	41540	2685	64QAM	1	0	20.65	20.65	33	-12.35
				1	49	20.63	20.63	33	-12.37
				25	12	19.56	19.56	33	-13.44
				50	0	19.67	19.67	33	-13.33

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Antenna gain (dBi)		-0.2							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	39725	2503.5	QPSK	1	0	22.54	22.54	33	-10.46
				1	74	22.35	22.35	33	-10.65
				36	18	21.52	21.52	33	-11.48
				75	0	21.52	21.52	33	-11.48
	40620	2593	QPSK	1	0	21.42	21.42	33	-11.58
				1	74	21.56	21.56	33	-11.44
				36	18	20.32	20.32	33	-12.68
				75	0	20.33	20.33	33	-12.67
	41515	2682.5	QPSK	1	0	20.54	20.54	33	-12.46
				1	74	20.34	20.34	33	-12.66
				36	18	19.44	19.44	33	-13.56
				75	0	19.56	19.56	33	-13.44
15	39725	2503.5	16QAM	1	0	22.63	22.63	33	-10.37
				1	74	22.84	22.84	33	-10.16
				36	18	21.82	21.82	33	-11.18
				75	0	21.62	21.62	33	-11.38
	40620	2593	16QAM	1	0	21.90	21.90	33	-11.1
				1	74	21.70	21.70	33	-11.3
				36	18	20.84	20.84	33	-12.16
				75	0	20.80	20.80	33	-12.2
	41515	2682.5	16QAM	1	0	20.85	20.85	33	-12.15
				1	74	20.64	20.64	33	-12.36
				36	18	19.84	19.84	33	-13.16
				75	0	19.85	19.85	33	-13.15
15	39725	2503.5	64QAM	1	0	22.52	22.52	33	-10.48
				1	74	22.68	22.68	33	-10.32
				36	18	21.68	21.68	33	-11.32
				75	0	21.66	21.66	33	-11.34
	40620	2593	64QAM	1	0	21.62	21.62	33	-11.38
				1	74	21.51	21.51	33	-11.49
				36	18	20.60	20.60	33	-12.4
				75	0	20.64	20.64	33	-12.36
	41515	2682.5	64QAM	1	0	20.64	20.64	33	-12.36
				1	74	20.65	20.65	33	-12.35
				36	18	19.51	19.51	33	-13.49
				75	0	19.64	19.64	33	-13.36

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Antenna gain (dBi)		-0.2							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	39750	2506	QPSK	1	0	22.61	22.61	33	-10.39
				1	99	22.46	22.46	33	-10.54
				50	25	21.67	21.67	33	-11.33
				100	0	21.74	21.74	33	-11.26
	40620	2593	QPSK	1	0	21.65	21.65	33	-11.35
				1	99	21.63	21.63	33	-11.37
				50	25	20.71	20.71	33	-12.29
				100	0	20.78	20.78	33	-12.22
	41490	2680	QPSK	1	0	20.35	20.35	33	-12.65
				1	99	20.41	20.41	33	-12.59
				50	25	19.65	19.65	33	-13.35
				100	0	19.78	19.78	33	-13.22
20	39750	2506	16QAM	1	0	22.95	22.95	33	-10.05
				1	99	22.91	22.91	33	-10.09
				50	25	21.95	21.95	33	-11.05
				100	0	21.92	21.92	33	-11.08
	40620	2593	16QAM	1	0	21.84	21.84	33	-11.16
				1	99	21.98	21.98	33	-11.02
				50	25	20.86	20.86	33	-12.14
				100	0	20.75	20.75	33	-12.25
	41490	2680	16QAM	1	0	20.58	20.58	33	-12.42
				1	99	20.54	20.54	33	-12.46
				50	25	19.96	19.96	33	-13.04
				100	0	19.99	19.99	33	-13.01
20	39750	2506	64QAM	1	0	21.75	21.75	33	-11.25
				1	99	21.48	21.48	33	-11.52
				50	25	20.91	20.91	33	-12.09
				100	0	20.67	20.67	33	-12.33
	40620	2593	64QAM	1	0	21.72	21.72	33	-11.28
				1	99	21.42	21.42	33	-11.58
				50	25	20.71	20.71	33	-12.29
				100	0	20.84	20.84	33	-12.16
	41490	2680	64QAM	1	0	20.53	20.53	33	-12.47
				1	99	20.31	20.31	33	-12.69
				50	25	19.82	19.82	33	-13.18
				100	0	19.91	19.91	33	-13.09

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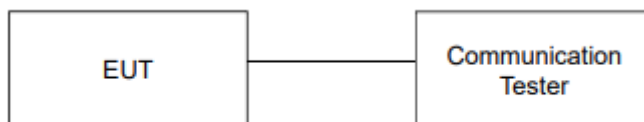
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## 8 OCCUPIED BANDWIDTH MEASUREMENT

### 8.1 Standard Applicable

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

### 8.2 Test Set-up



**Note:** Measurement setup for testing on Antenna connector

### 8.3 Measurement Procedure

#### 99% & 26dB Bandwidth with detector peak

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 \* RBW, with span > 2 \* Signal BW, set % Power = 99%.

### 8.4 Measurement Result

LTE BAND 2 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1850.7	18607	<b>1.0859</b>	1.0848	1.0862	<b>1.268</b>	1.252	1.273
1880.0	18900	1.0855	<b>1.0863</b>	1.0863	1.263	<b>1.271</b>	1.280
1909.3	19193	1.0838	<b>1.0863</b>	<b>1.0866</b>	1.256	1.268	<b>1.288</b>

LTE BAND 2 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1851.5	18615	<b>2.6839</b>	<b>2.6836</b>	<b>2.6899</b>	2.888	<b>2.920</b>	2.894
1880.0	18900	2.6834	2.6803	2.6858	2.901	2.907	<b>2.899</b>
1908.5	19185	2.6814	2.6803	2.6879	<b>2.913</b>	2.902	2.890

LTE BAND 2 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1852.5	18625	4.4835	4.4789	4.4888	4.921	<b>4.929</b>	4.894
1880.0	18900	<b>4.4865</b>	<b>4.4811</b>	4.4876	4.908	4.897	<b>4.929</b>
1907.5	19175	4.4795	4.4733	<b>4.4907</b>	<b>4.926</b>	4.904	4.919

LTE BAND 2 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1855.0	18650	8.9671	<b>8.9450</b>	<b>8.9556</b>	9.682	<b>9.652</b>	9.716
1880.0	18900	8.9709	8.9302	8.9494	<b>9.749</b>	9.620	<b>9.898</b>
1905.0	19150	<b>8.9745</b>	8.9292	8.9506	9.677	9.621	9.680

LTE BAND 2 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1857.5	18675	<b>13.468</b>	<b>13.432</b>	13.397	14.44	14.60	<b>14.53</b>
1880.0	18900	13.436	13.429	<b>13.402</b>	<b>14.47</b>	<b>14.63</b>	14.49
1902.5	19125	13.399	13.400	<b>13.402</b>	14.43	14.50	14.51

LTE BAND 2 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1860.0	18700	17.869	17.895	17.863	19.16	19.16	19.16
1880.0	18900	<b>17.879</b>	<b>17.908</b>	<b>17.905</b>	19.22	<b>19.18</b>	19.23
1900.0	19100	17.842	17.877	17.874	<b>19.41</b>	19.11	<b>19.24</b>

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LTE BAND 4 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1710.7	19957	1.0850	1.0828	<b>1.0872</b>	1.264	1.260	<b>1.278</b>
1732.5	20175	1.0853	1.0845	1.0859	1.253	1.264	1.266
1754.3	20393	<b>1.0857</b>	<b>1.0862</b>	1.0866	<b>1.267</b>	<b>1.267</b>	1.272

LTE BAND 4 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1711.5	19965	<b>2.6847</b>	2.6847	<b>2.6887</b>	2.891	2.910	2.889
1732.5	20175	2.6806	<b>2.6849</b>	2.6882	2.893	<b>2.915</b>	<b>2.906</b>
1753.5	20385	2.6832	<b>2.6849</b>	2.6859	<b>2.897</b>	2.906	2.892

LTE BAND 4 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1712.5	19975	4.4841	4.4815	4.4921	4.909	4.885	4.900
1732.5	20175	4.4789	<b>4.4855</b>	4.4829	<b>4.927</b>	<b>4.942</b>	4.889
1752.5	20375	<b>4.4854</b>	4.4810	<b>4.4925</b>	4.926	4.922	<b>4.935</b>

LTE BAND 4 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1715.0	20000	<b>8.9672</b>	8.9300	8.9491	9.685	9.606	9.735
1732.5	20175	8.9595	<b>8.9503</b>	<b>8.9585</b>	9.665	9.624	9.732
1750.0	20350	8.9618	8.9368	8.9463	<b>9.691</b>	<b>9.636</b>	<b>9.908</b>

LTE BAND 4 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1717.5	20025	<b>13.446</b>	<b>13.430</b>	<b>13.425</b>	<b>14.49</b>	<b>14.55</b>	<b>14.50</b>
1732.5	20175	13.426	13.423	13.424	14.41	14.45	14.47
1747.5	20325	13.444	13.408	13.379	<b>14.49</b>	14.48	14.47

LTE BAND 4 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1720.0	20050	<b>17.914</b>	<b>17.949</b>	<b>17.918</b>	<b>19.24</b>	<b>19.27</b>	19.17
1732.5	20175	17.863	17.877	17.884	19.17	19.20	<b>19.30</b>
1745.0	20300	17.827	17.842	17.821	19.16	19.09	19.14

LTE BAND 5 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
824.7	20407	<b>1.0858</b>	<b>1.0876</b>	1.0860	1.257	1.272	1.280
836.5	20525	1.0856	1.0853	1.0851	<b>1.259</b>	1.267	1.268
848.3	20643	1.0856	1.0875	<b>1.0863</b>	1.250	<b>1.275</b>	<b>1.285</b>

LTE BAND 5 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
825.5	20415	<b>2.6825</b>	2.6822	<b>2.6895</b>	<b>2.908</b>	2.894	<b>2.898</b>
836.5	20525	<b>2.6825</b>	<b>2.6836</b>	2.6883	<b>2.908</b>	<b>2.912</b>	<b>2.898</b>
847.5	20635	2.6786	2.6808	2.6799	2.898	2.895	2.885

LTE BAND 5 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
826.5	20425	<b>4.4820</b>	<b>4.4872</b>	<b>4.4926</b>	<b>4.936</b>	<b>4.940</b>	4.896
836.5	20525	4.4784	4.4804	4.4754	4.914	4.904	4.874
846.5	20625	4.4743	4.4751	4.4782	4.905	4.877	<b>4.916</b>

LTE BAND 5 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
829.0	20450	8.9710	<b>8.9574</b>	<b>8.9739</b>	<b>9.789</b>	<b>9.705</b>	<b>9.754</b>
836.5	20525	8.9524	8.9229	8.9220	9.698	9.584	9.667
844.0	20600	<b>8.9741</b>	8.9442	8.9511	9.717	9.642	9.744

LTE BAND 12 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
699.7	23017	1.0853	<b>1.0876</b>	1.0855	1.256	<b>1.270</b>	<b>1.273</b>
707.5	23095	1.0857	1.0836	<b>1.0858</b>	1.260	1.260	1.259
715.3	23173	<b>1.0858</b>	1.0860	<b>1.0858</b>	<b>1.262</b>	1.263	1.260

LTE BAND 12 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
700.5	23025	<b>2.6828</b>	<b>2.6846</b>	2.6873	<b>2.904</b>	2.913	2.899
707.5	23095	2.6818	2.6802	2.6849	2.895	2.912	2.897
714.5	23165	2.6820	2.6815	<b>2.6886</b>	2.897	<b>2.924</b>	<b>2.906</b>

LTE BAND 12 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
701.5	23035	4.4822	4.4894	4.4865	<b>5.011</b>	<b>4.922</b>	<b>4.927</b>
707.5	23095	4.4789	4.4771	4.4794	4.913	4.889	4.911
713.5	23155	<b>4.4848</b>	<b>4.4899</b>	<b>4.4986</b>	4.943	4.913	4.916

LTE BAND 12 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
704.0	23060	<b>8.9749</b>	<b>8.9406</b>	<b>8.9653</b>	<b>9.723</b>	9.656	<b>9.733</b>
707.5	23095	8.9479	8.9190	8.9214	9.625	9.608	9.634
711.0	23130	8.9619	8.9348	8.9482	9.674	<b>9.665</b>	9.636

LTE BAND 17 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
706.5	23755	4.4774	4.4793	4.4810	4.914	4.904	<b>4.902</b>
710.0	23790	4.4780	4.4817	4.4881	4.920	4.882	4.868
713.5	23825	<b>4.4864</b>	<b>4.4896</b>	<b>4.4922</b>	<b>4.923</b>	<b>4.926</b>	4.897

LTE BAND 17 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
709.0	23780	8.9400	8.9103	8.9274	9.670	9.619	9.666
710.0	23790	8.9553	8.9254	8.9432	9.658	9.661	9.693
711.0	23800	<b>8.9630</b>	<b>8.9425</b>	<b>8.9643</b>	<b>9.738</b>	<b>9.689</b>	<b>9.736</b>

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LTE BAND 26 for part 90S Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
814.7	26697	<b>1.0858</b>	<b>1.0886</b>	1.0861	1.248	<b>1.266</b>	<b>1.272</b>
819.0	26740	1.0847	1.0842	<b>1.0864</b>	1.253	1.256	1.271
823.3	26783	1.0820	1.0874	1.0850	<b>1.266</b>	1.262	1.257

LTE BAND 26 for part 90S Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
816.5	26715	4.4771	<b>4.4839</b>	4.4860	4.910	4.911	<b>4.947</b>
819.0	26740	4.4737	4.4642	<b>4.4885</b>	4.896	4.877	4.864
821.5	26765	<b>4.4819</b>	4.4827	4.4858	<b>5.131</b>	<b>4.922</b>	4.903

LTE BAND 26 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
824.7	26797	<b>1.0861</b>	1.0862	1.0858	<b>1.268</b>	1.271	1.280
836.5	26915	1.0855	1.0853	<b>1.0868</b>	1.262	1.266	1.271
848.3	27033	1.0856	<b>1.0866</b>	1.0855	1.250	<b>1.276</b>	<b>1.292</b>

LTE BAND 26 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
826.5	26815	<b>4.4820</b>	<b>4.4860</b>	<b>4.4941</b>	<b>4.937</b>	<b>4.938</b>	<b>4.919</b>
836.5	26915	4.4745	4.4772	4.4909	4.900	4.872	4.892
846.5	27015	4.4789	4.4775	4.4764	4.860	4.877	4.885

LTE BAND 26 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
831.5	26865	<b>13.462</b>	<b>13.442</b>	<b>13.435</b>	<b>14.47</b>	<b>14.62</b>	<b>14.56</b>
836.5	26915	13.384	13.382	13.372	14.46	14.53	<b>14.56</b>
841.5	26965	13.428	13.405	13.400	14.43	14.53	14.43

LTE BAND 41 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
2498.5	39675	<b>4.4808</b>	4.4874	4.4919	4.912	<b>5.006</b>	<b>4.881</b>
2593.0	40620	4.4765	<b>4.4900</b>	<b>4.4930</b>	<b>4.914</b>	4.940	4.877
2687.5	41565	<b>4.4722</b>	<b>4.4856</b>	<b>4.4857</b>	<b>4.903</b>	<b>5.025</b>	<b>4.884</b>

LTE BAND 41 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
2503.5	39725	13.446	<b>13.439</b>	<b>13.425</b>	<b>14.75</b>	<b>15.73</b>	14.51
2593.0	40620	<b>13.468</b>	13.426	13.412	14.52	15.66	<b>14.88</b>
2682.5	41515	<b>13.475</b>	<b>13.410</b>	<b>13.407</b>	<b>15.06</b>	<b>14.55</b>	<b>14.48</b>

LTE BAND 26 for part 90S Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
815.5	26705	2.6803	<b>2.6858</b>	2.6862	2.891	<b>2.905</b>	<b>2.900</b>
819.0	26740	2.6805	2.6814	<b>2.6863</b>	2.896	2.903	2.892
822.5	26775	<b>2.6832</b>	2.6833	2.6861	<b>2.907</b>	2.899	2.895

LTE BAND 26 for part 90S Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
819.0	26740	<b>8.9376</b>	<b>8.9078</b>	<b>8.9294</b>	<b>9.647</b>	<b>9.626</b>	<b>11.040</b>

LTE BAND 26 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
825.5	26805	<b>2.6932</b>	<b>2.6836</b>	<b>2.6897</b>	<b>2.912</b>	2.903	<b>2.906</b>
836.5	26915	2.6821	2.6820	2.6874	2.894	<b>2.914</b>	2.894
847.5	27025	2.6797	2.6765	2.6832	2.898	2.908	2.880

LTE BAND 26 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
829.0	26840	<b>8.9888</b>	<b>8.9594</b>	<b>8.9777</b>	<b>9.762</b>	<b>9.690</b>	<b>9.784</b>
836.5	26915	8.9563	8.9194	8.9304	9.643	9.666	9.691
844.0	26990	8.9648	8.9442	8.9570	9.680	9.658	9.744

LTE BAND 41 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
2501.0	39700	8.9212	<b>8.9970</b>	8.9446	9.499	9.359	9.438
2593.0	40620	<b>8.9694</b>	8.9387	<b>8.9558</b>	<b>9.705</b>	<b>9.593</b>	<b>10.010</b>
2685.0	41540	<b>8.9567</b>	<b>8.9433</b>	<b>8.9594</b>	<b>9.671</b>	<b>9.992</b>	<b>10.090</b>

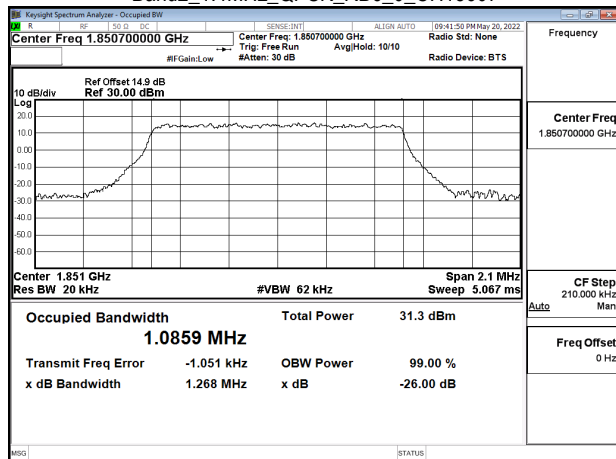
LTE BAND 41 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
2506.0	39750	17.899	<b>17.914</b>	<b>17.894</b>	<b>19.97</b>	<b>20.15</b>	<b>19.72</b>
2593.0	40620	<b>17.900</b>	17.874	17.867	19.60	19.95	19.36
2680.0	41490	<b>17.847</b>	<b>17.880</b>	<b>17.878</b>	<b>19.65</b>	<b>19.44</b>	<b>19.15</b>

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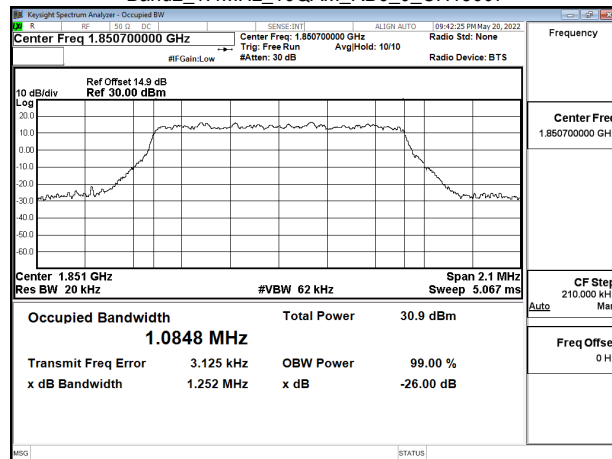
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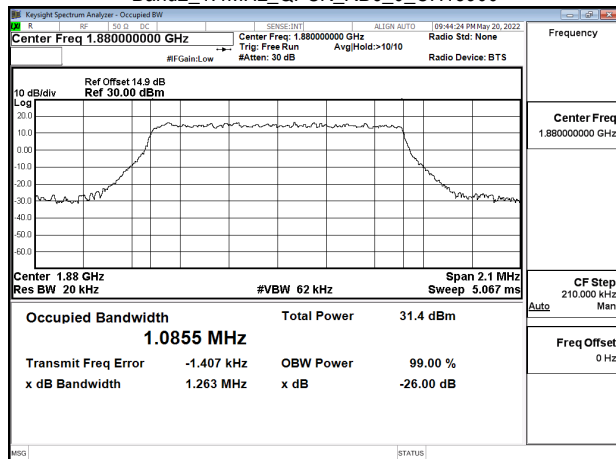
Band2\_1.4MHz\_QPSK\_RB6\_0\_CH18607



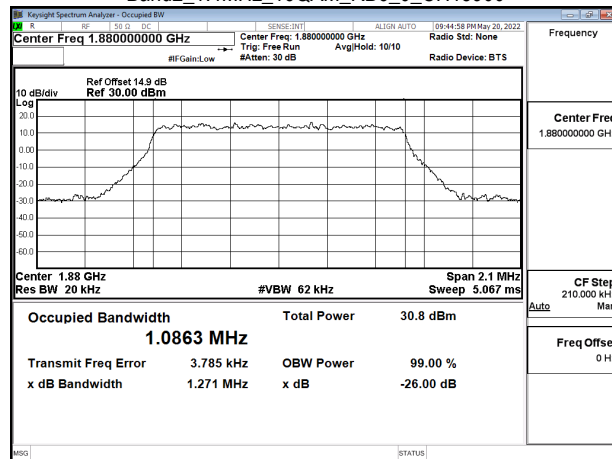
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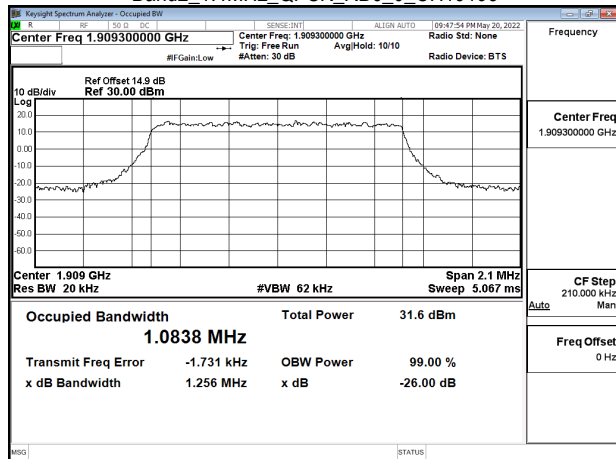
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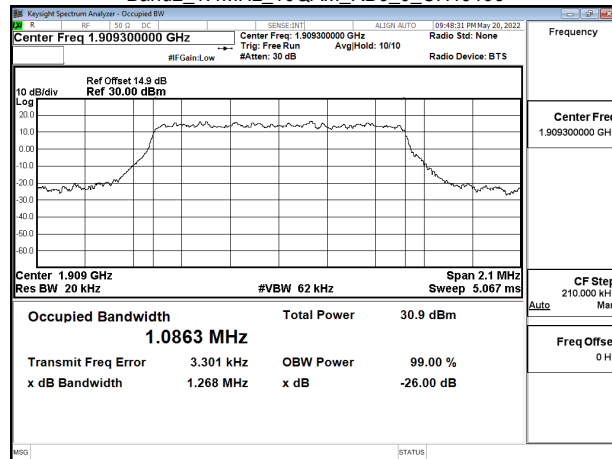
Band2\_1.4MHz\_16QAM\_RB6\_0\_CH18900



Band2\_1.4MHz\_QPSK\_RB6\_0\_CH19193



Band2\_1.4MHz\_16QAM\_RB6\_0\_CH19193

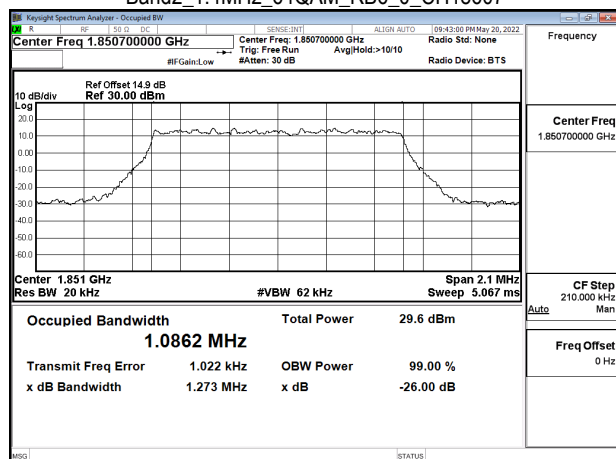


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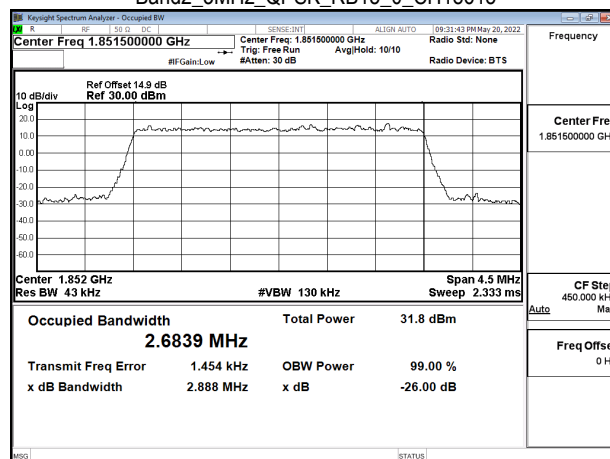
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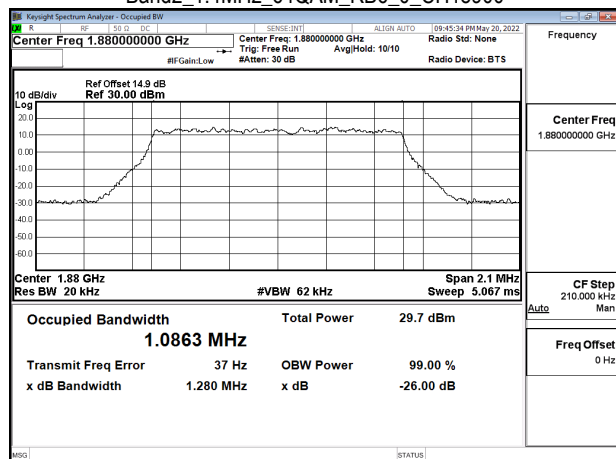
Band2\_1.4MHz\_64QAM\_RB6\_0\_CH18607



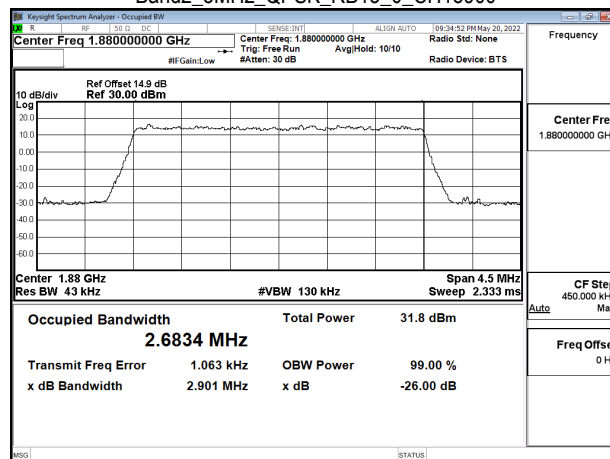
Band2\_3MHz\_QPSK\_RB15\_0\_CH18615



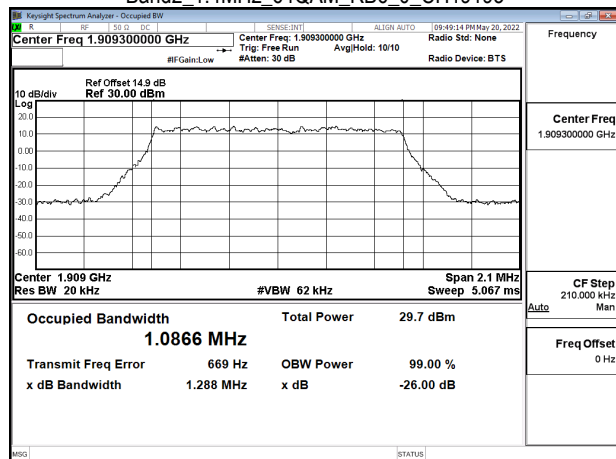
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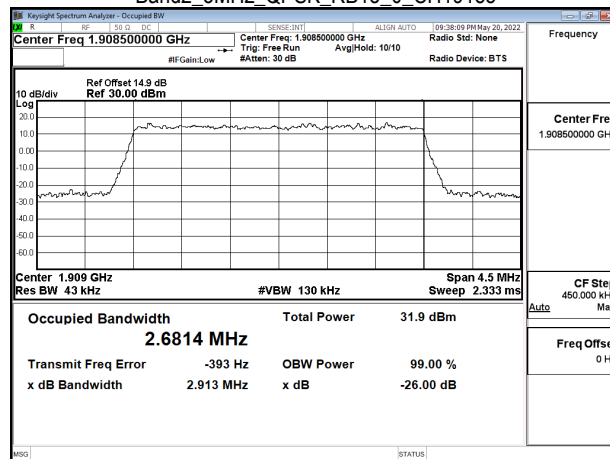
Band2\_3MHz\_QPSK\_RB15\_0\_CH18900



Band2\_1.4MHz\_64QAM\_RB6\_0\_CH19193



Band2\_3MHz\_QPSK\_RB15\_0\_CH19185

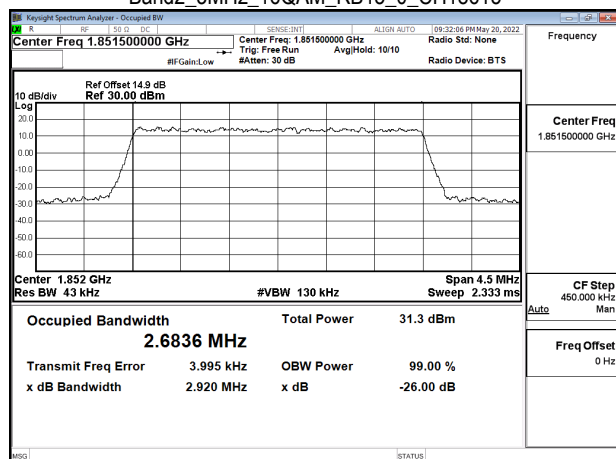


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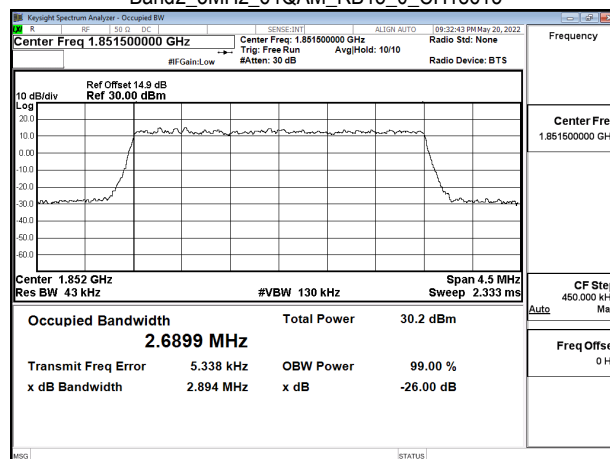
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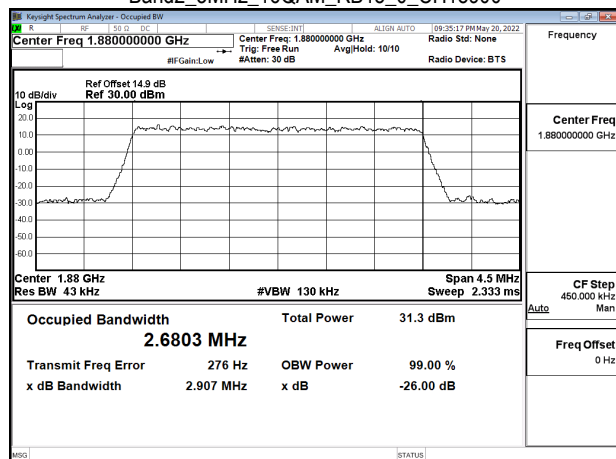
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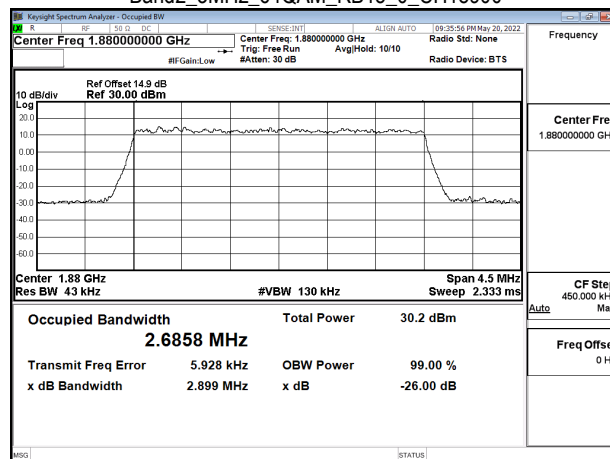
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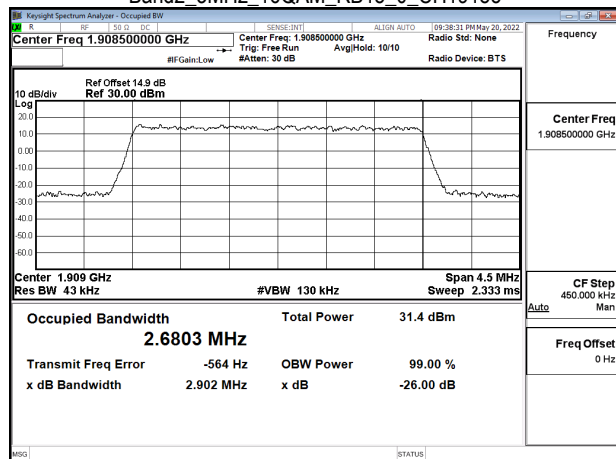
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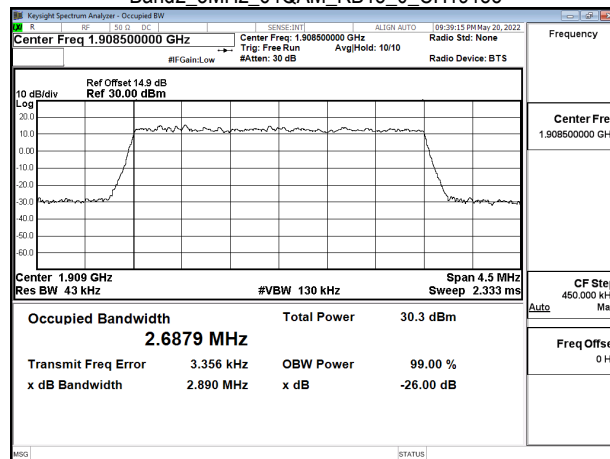
Band2\_3MHz\_64QAM\_RB15\_0\_CH18900



Band2\_3MHz\_16QAM\_RB15\_0\_CH19185



Band2\_3MHz\_64QAM\_RB15\_0\_CH19185

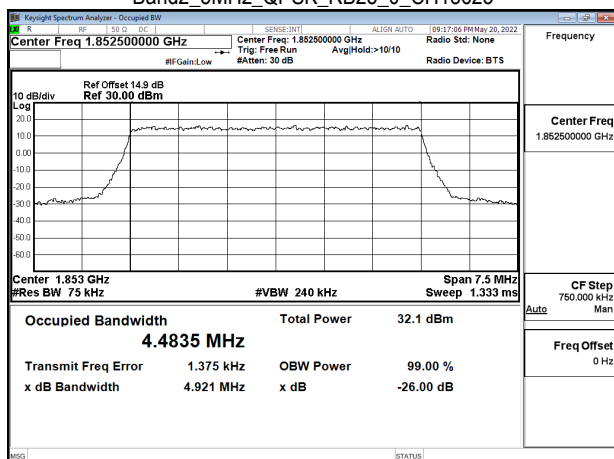


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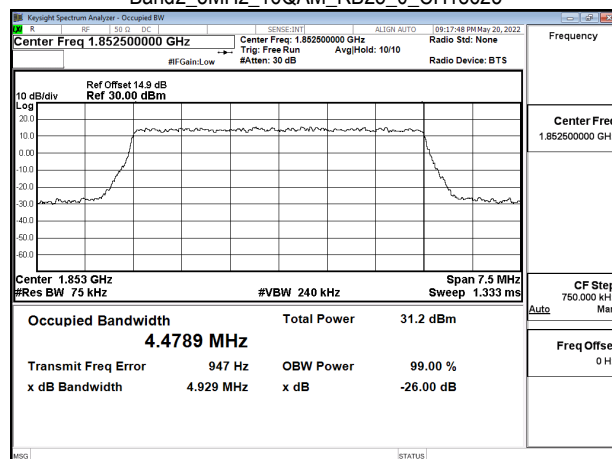
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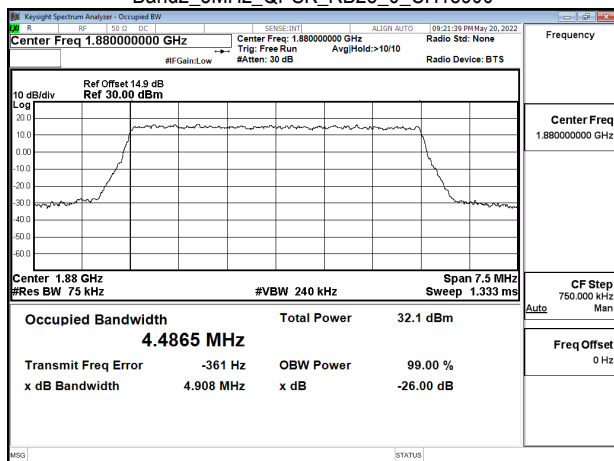
Band2\_5MHz\_QPSK\_RB25\_0\_CH18625



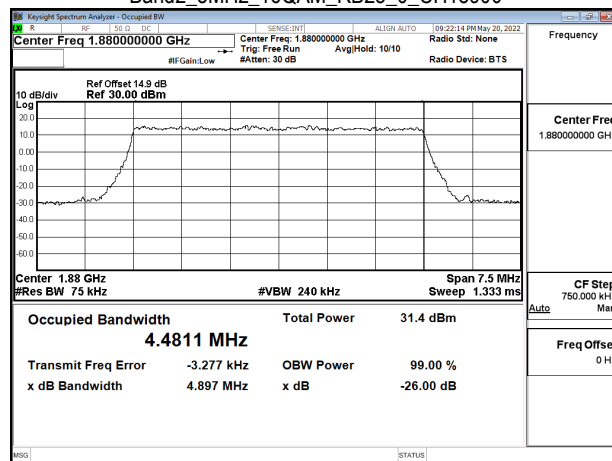
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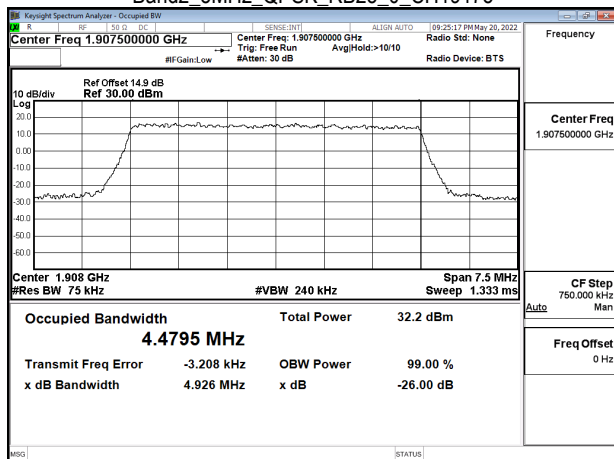
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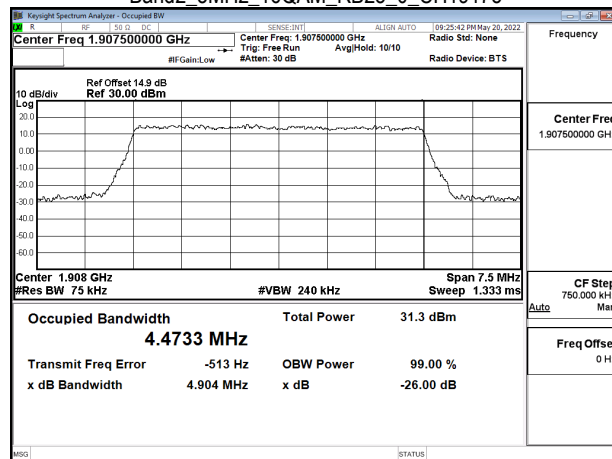
Band2\_5MHz\_16QAM\_RB25\_0\_CH18900



Band2\_5MHz\_QPSK\_RB25\_0\_CH19175



Band2\_5MHz\_16QAM\_RB25\_0\_CH19175



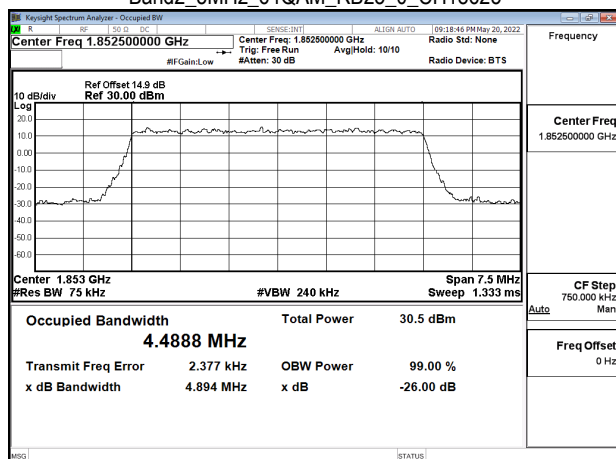
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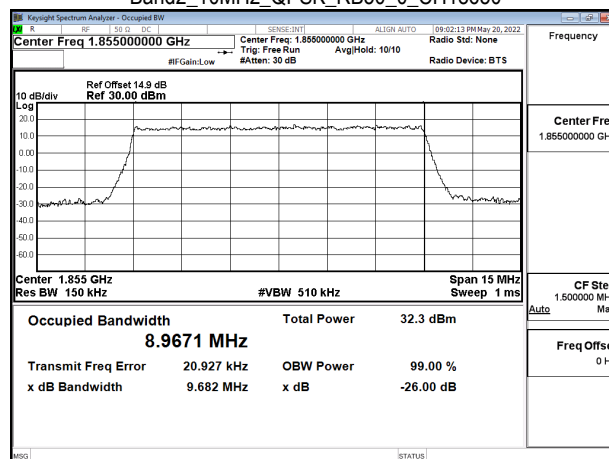
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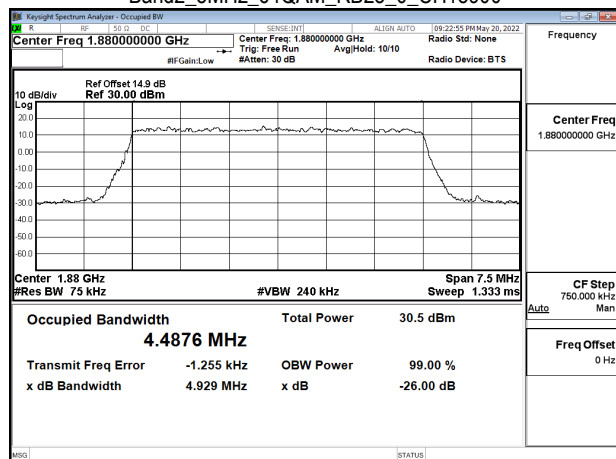
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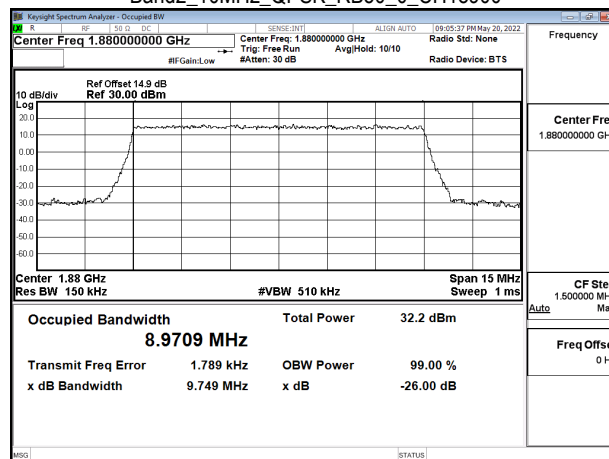
Band2\_10MHz\_QPSK\_RB50\_0\_CH18650



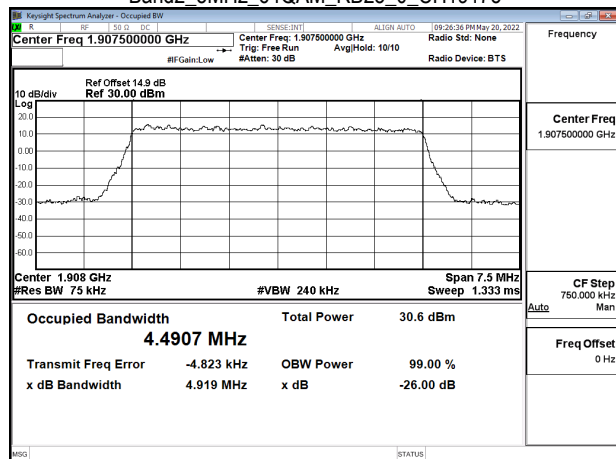
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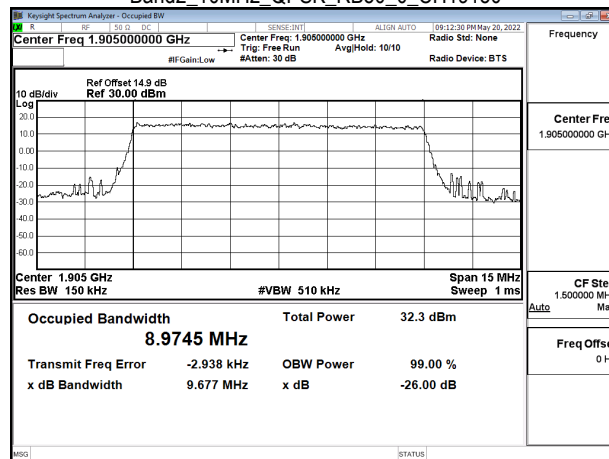
Band2\_10MHz\_QPSK\_RB50\_0\_CH18900



Band2\_5MHz\_64QAM\_RB25\_0\_CH19175



Band2\_10MHz\_QPSK\_RB50\_0\_CH19150

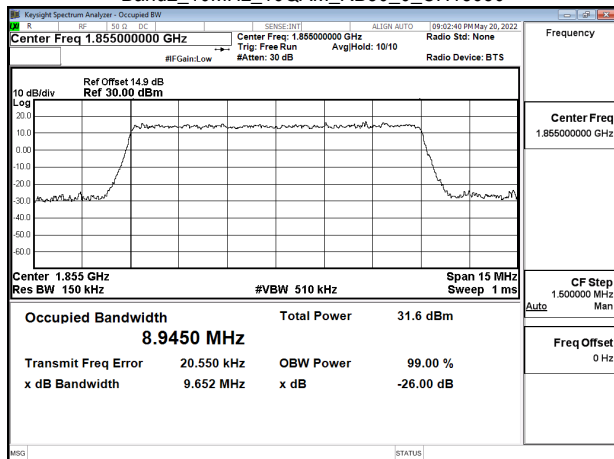


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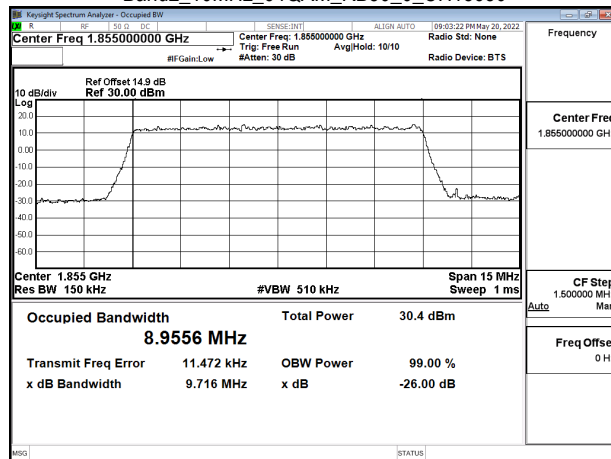
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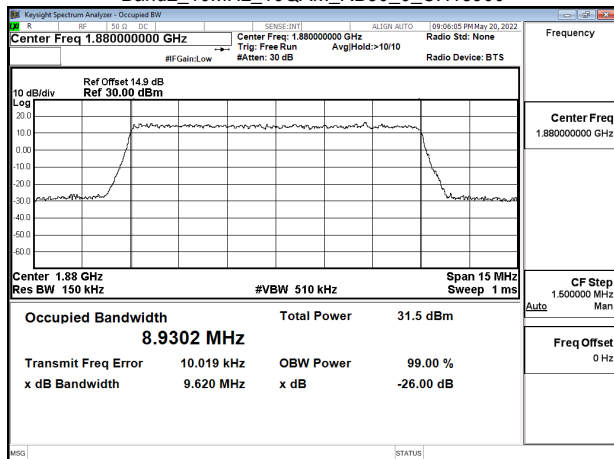
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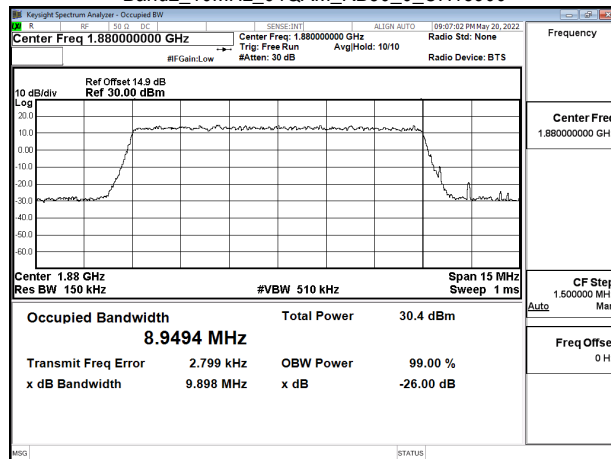
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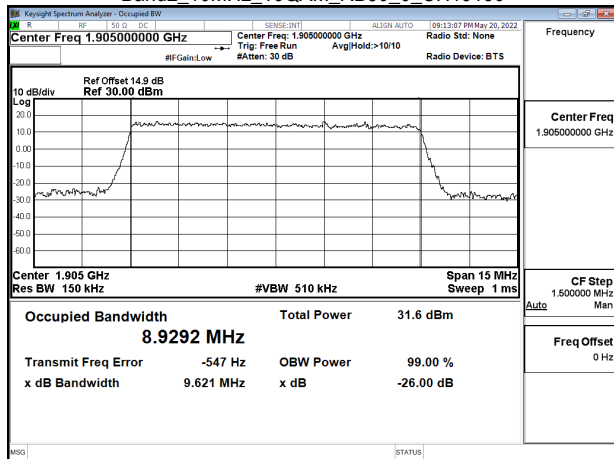
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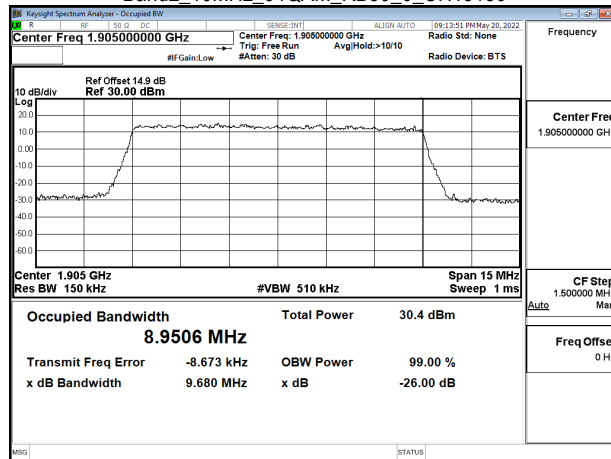
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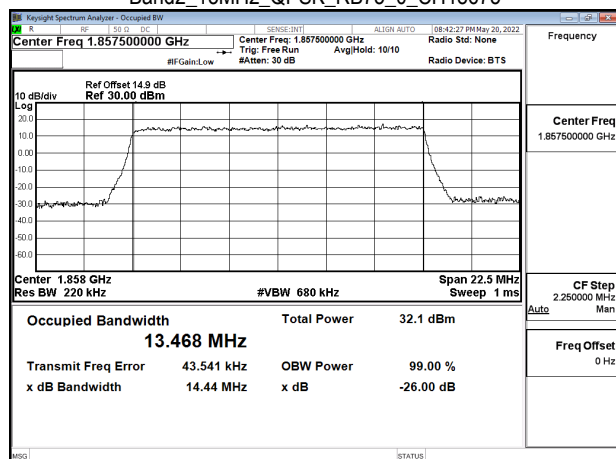
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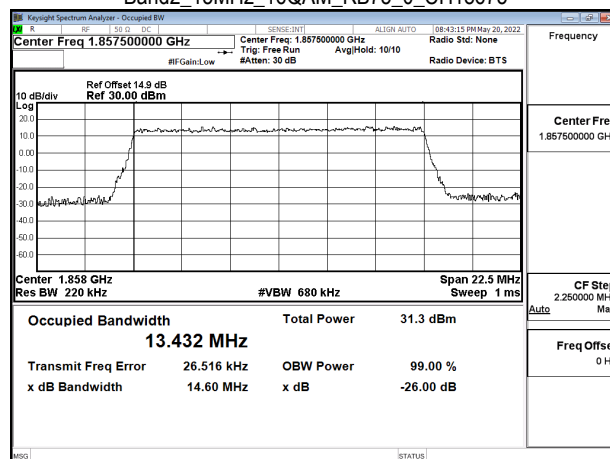
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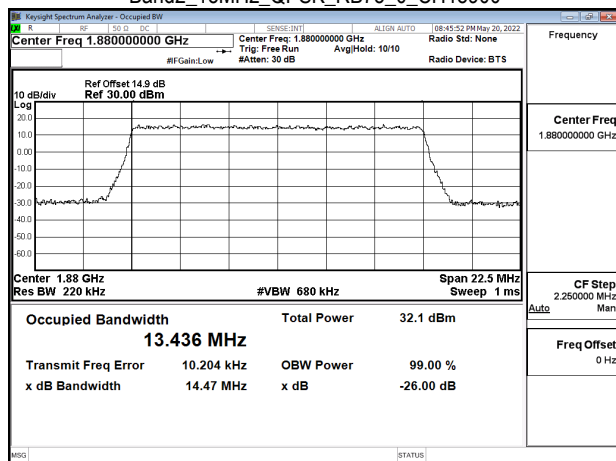
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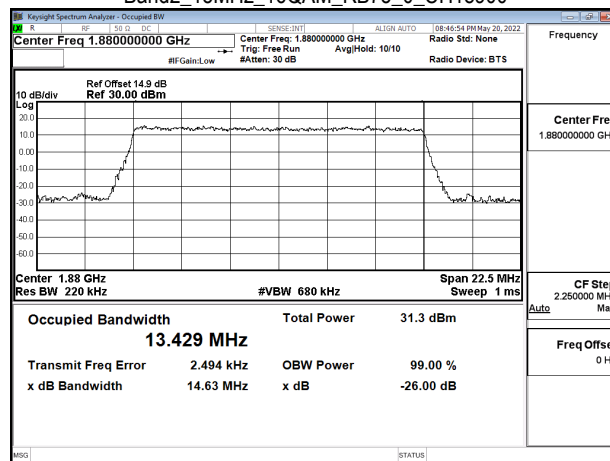
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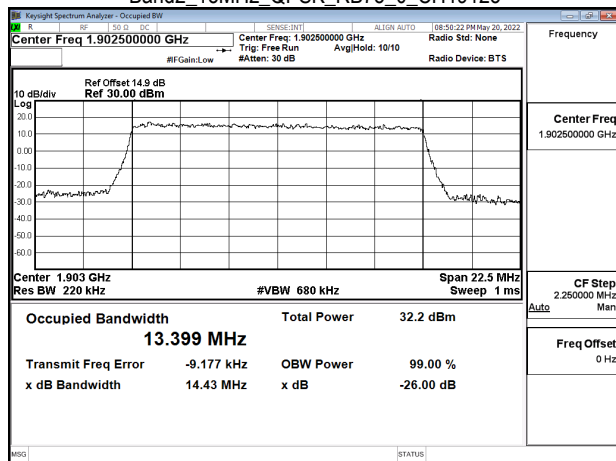
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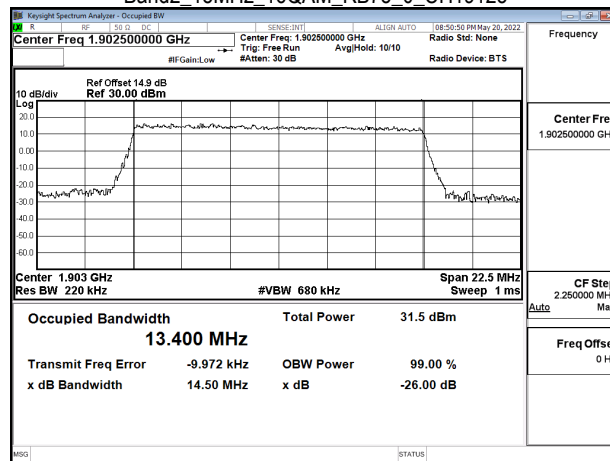
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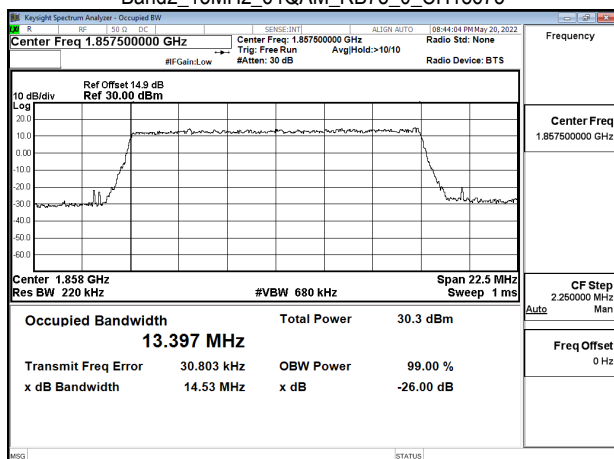


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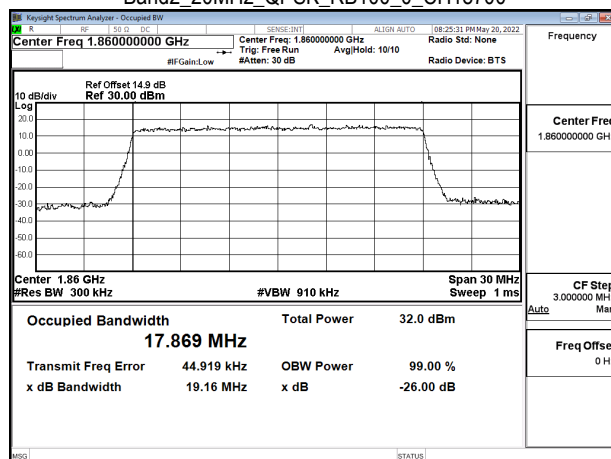
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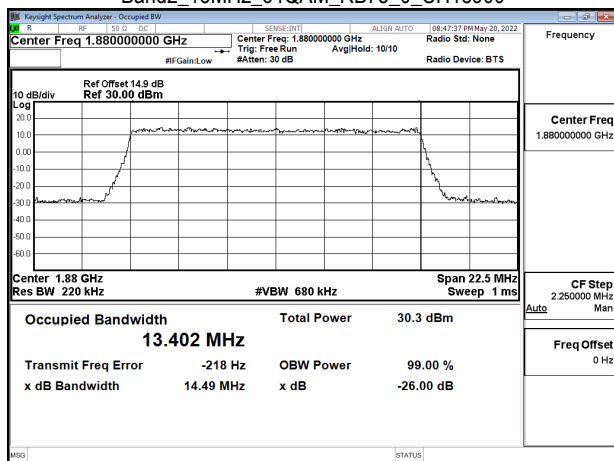
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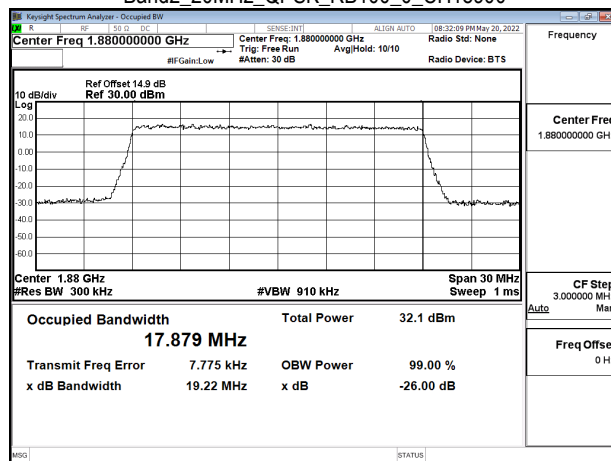
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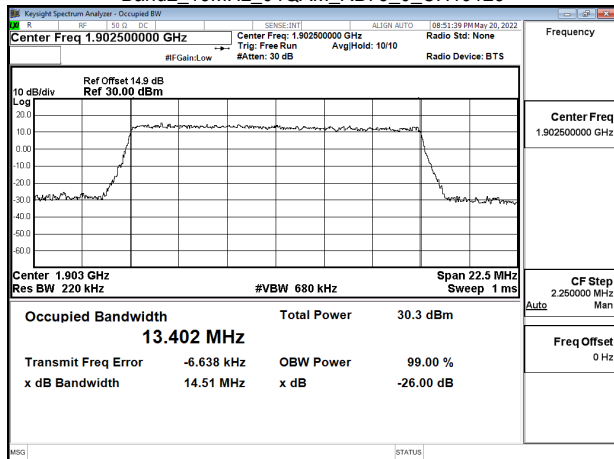
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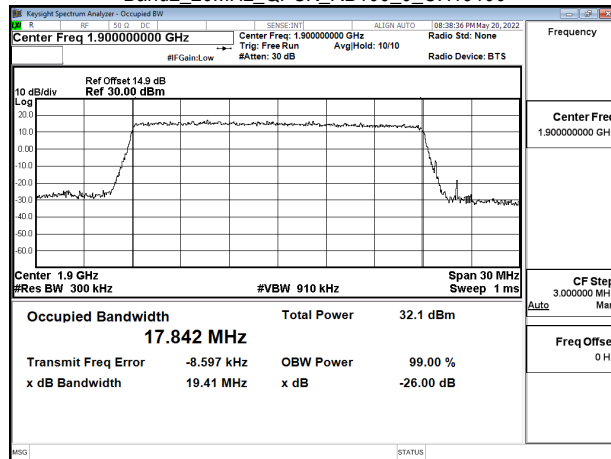
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Band2\_15MHz\_64QAM\_RB75\_0\_CH19125



Band2\_20MHz\_QPSK\_RB100\_0\_CH19100

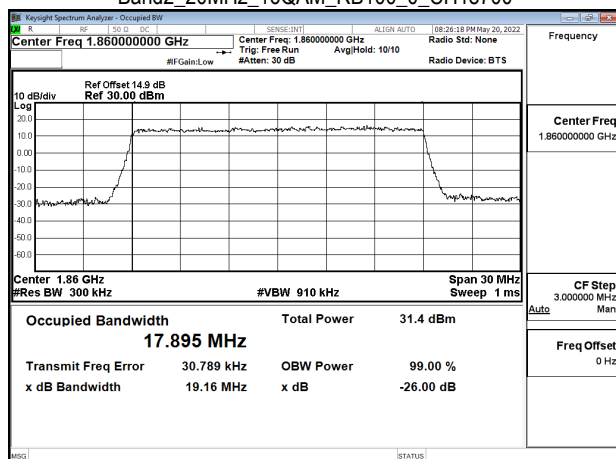


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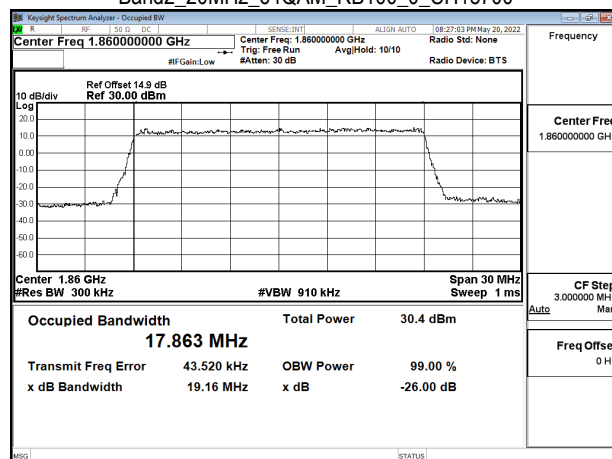
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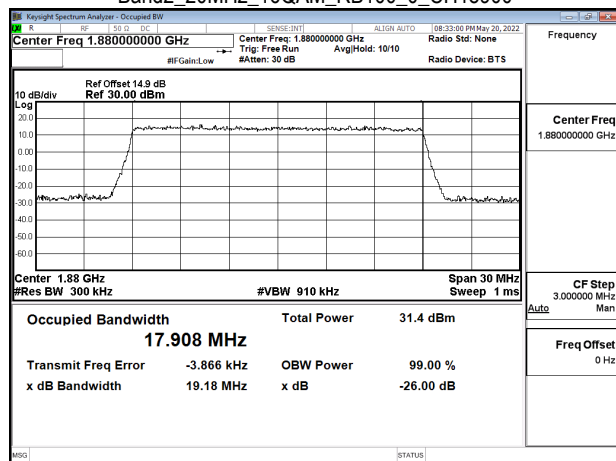
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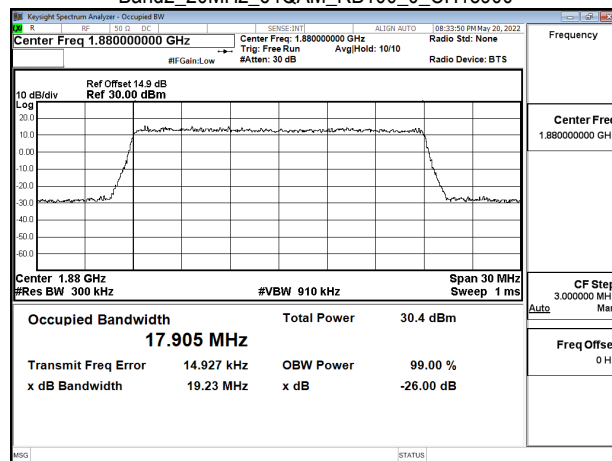
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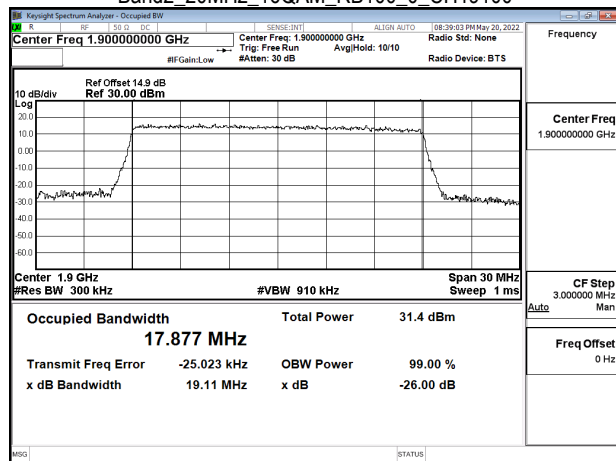
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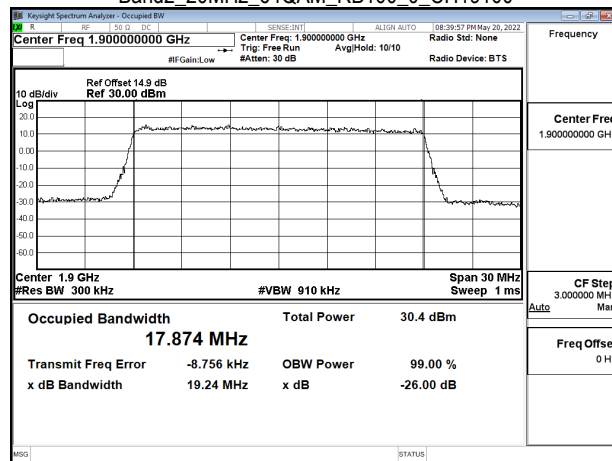
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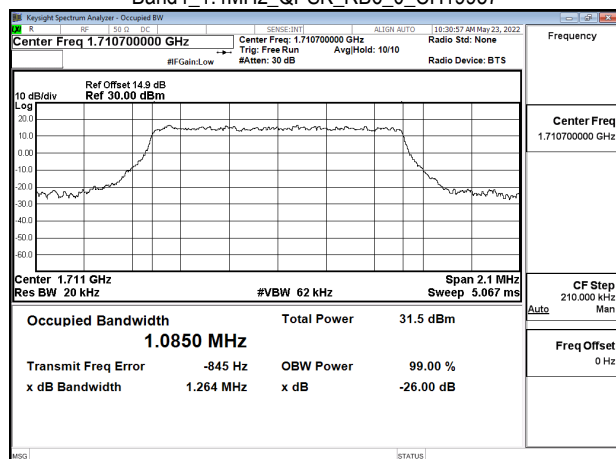


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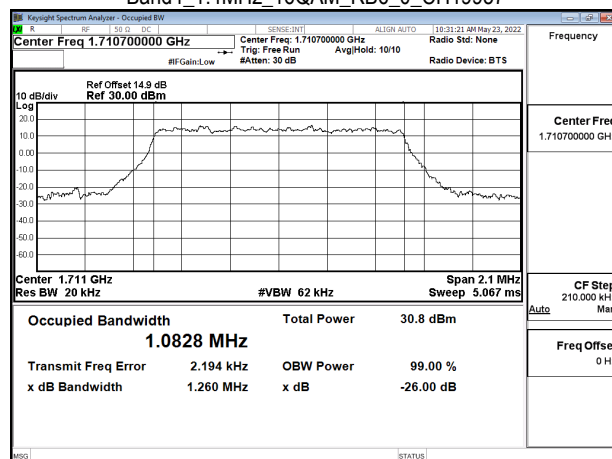
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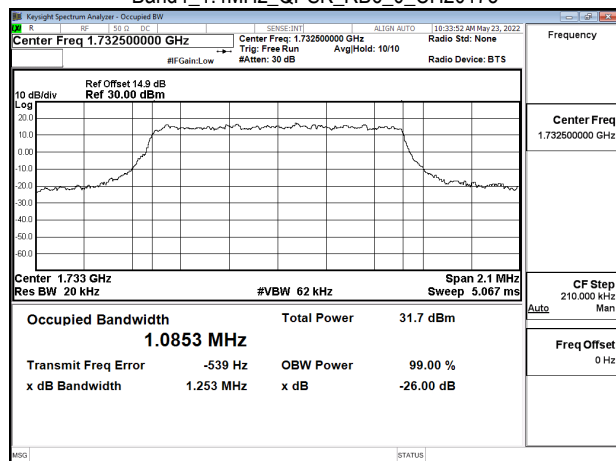
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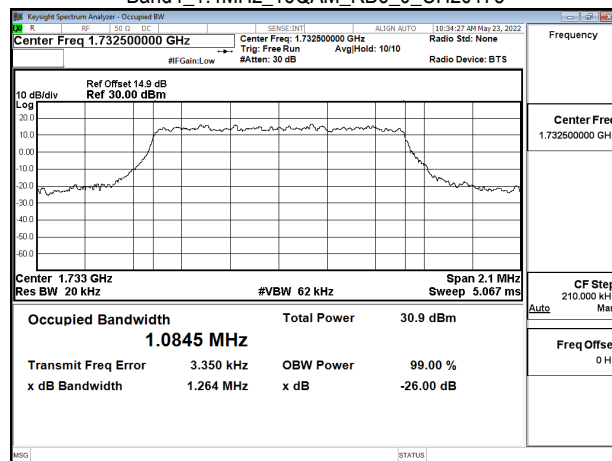
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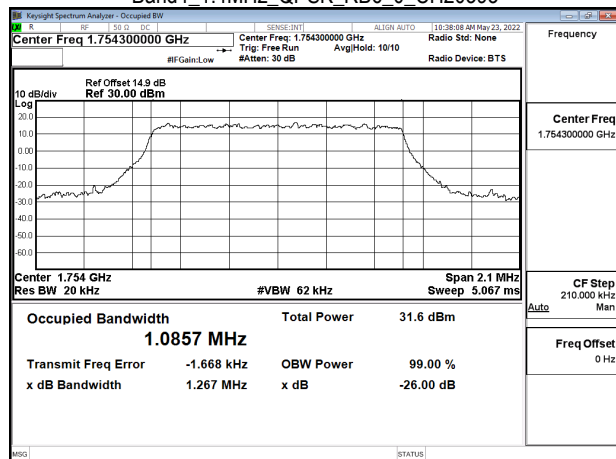
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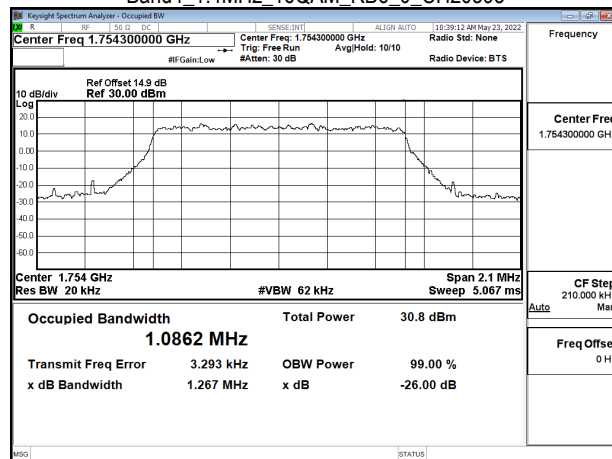
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Band4\_1.4MHz\_QPSK\_RB6\_0\_CH20393



Band4\_1.4MHz\_16QAM\_RB6\_0\_CH20393

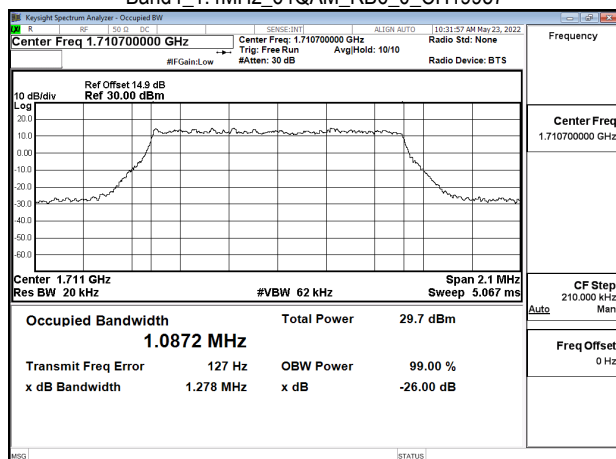


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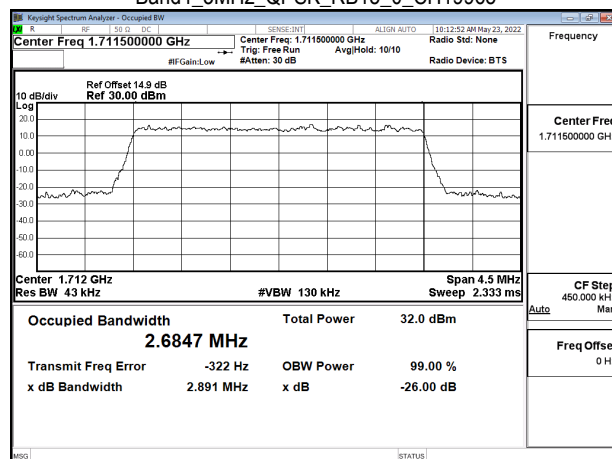
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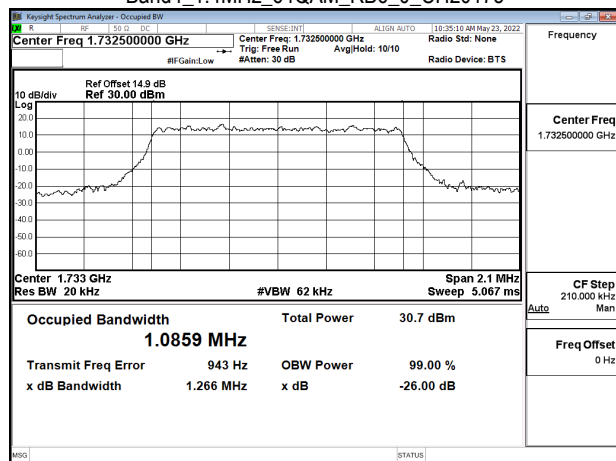
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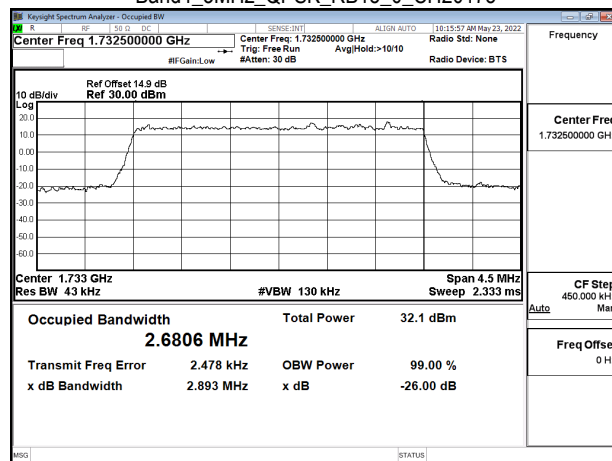
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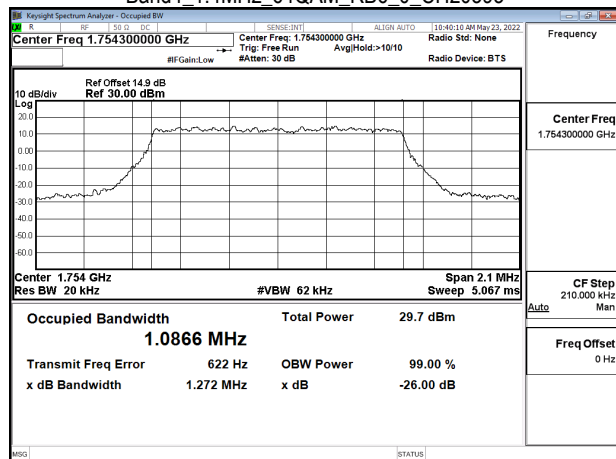
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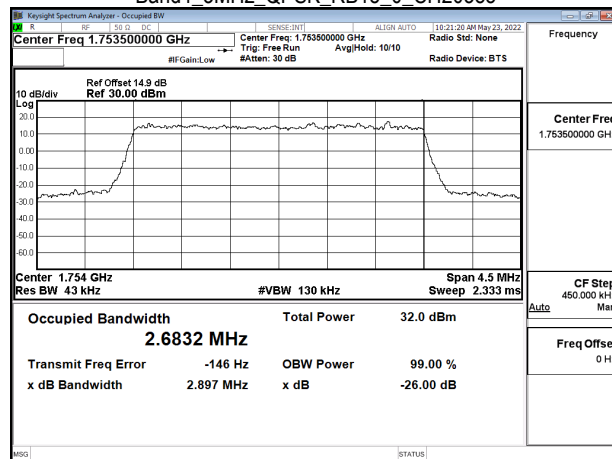
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Band4\_1.4MHz\_64QAM\_RB6\_0\_CH20393



Band4\_3MHz\_QPSK\_RB15\_0\_CH20385

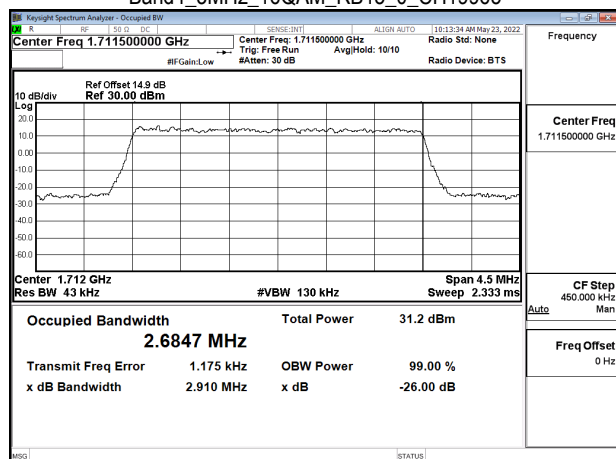


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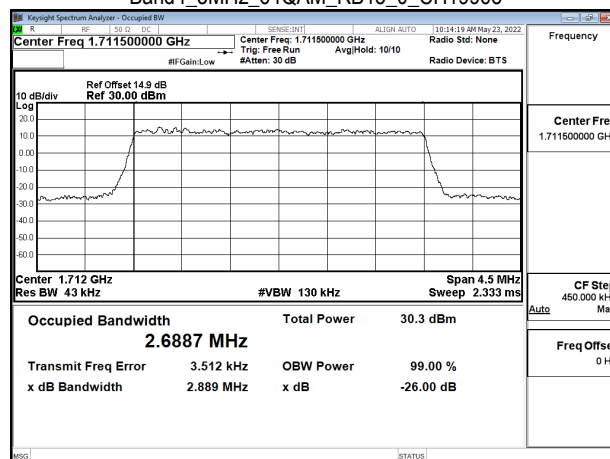
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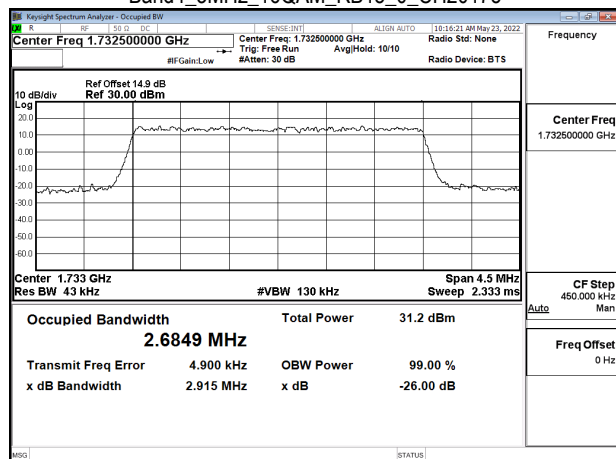
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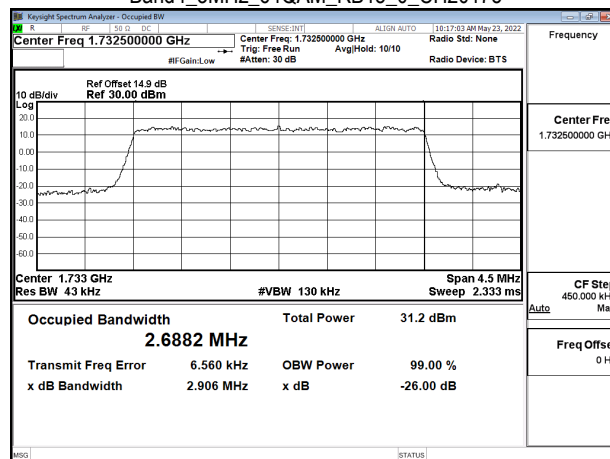
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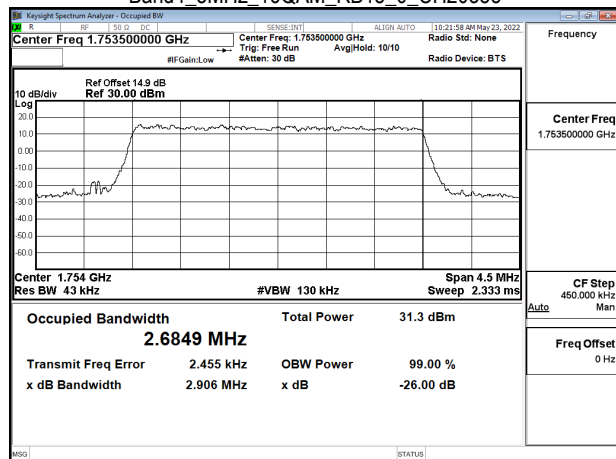
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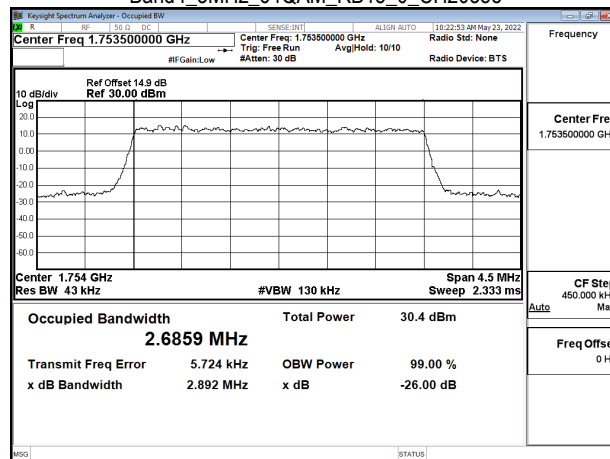
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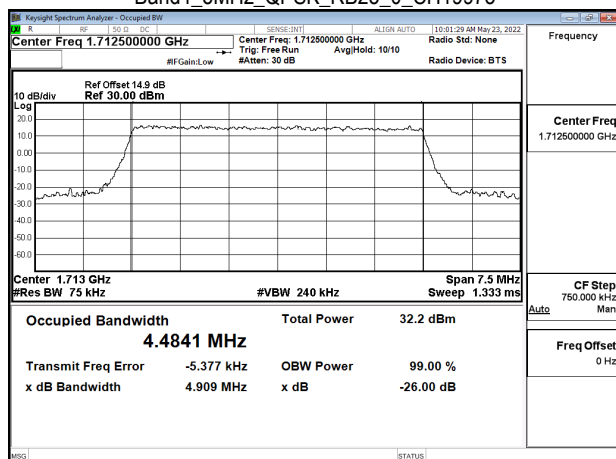


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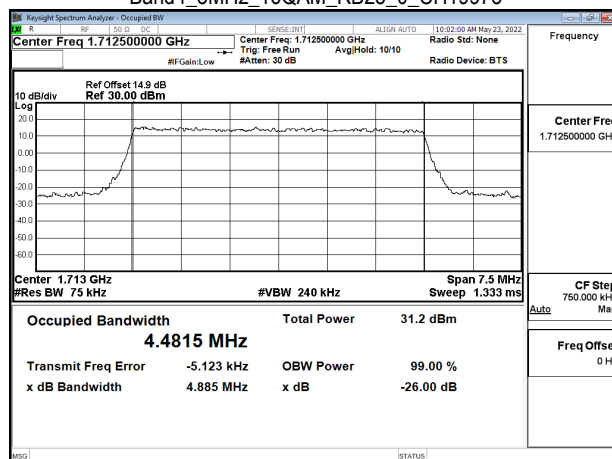
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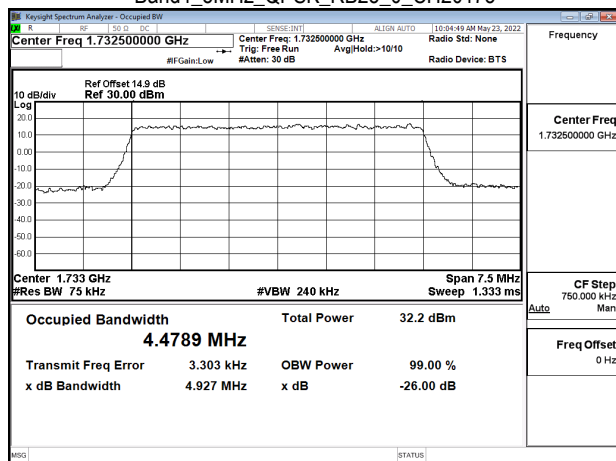
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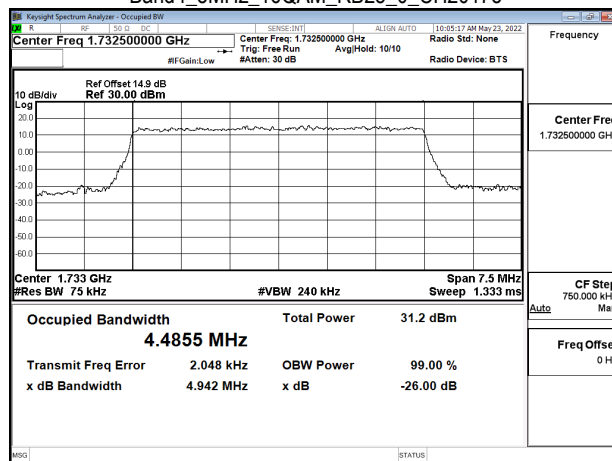
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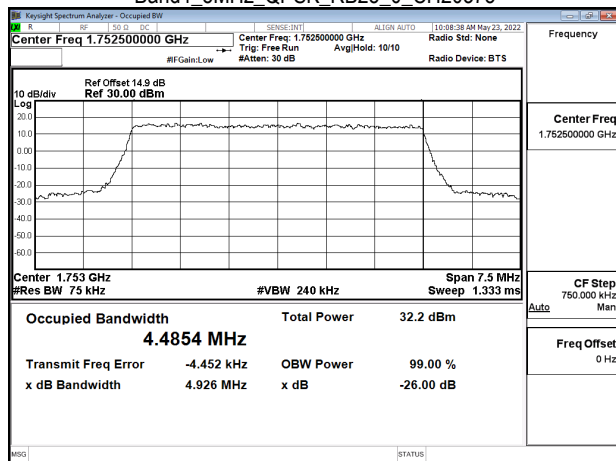
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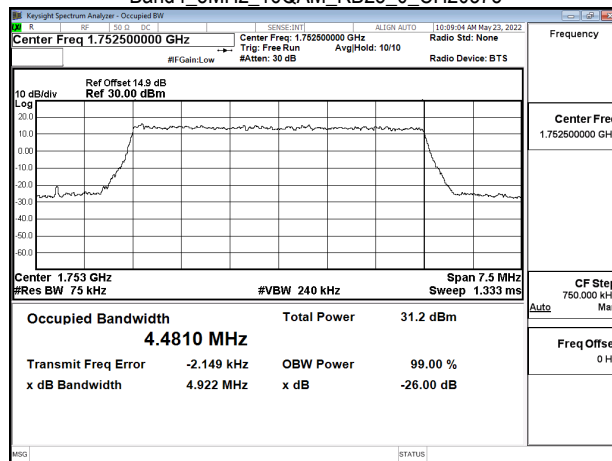
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Band4\_5MHz\_16QAM\_RB25\_0\_CH20375



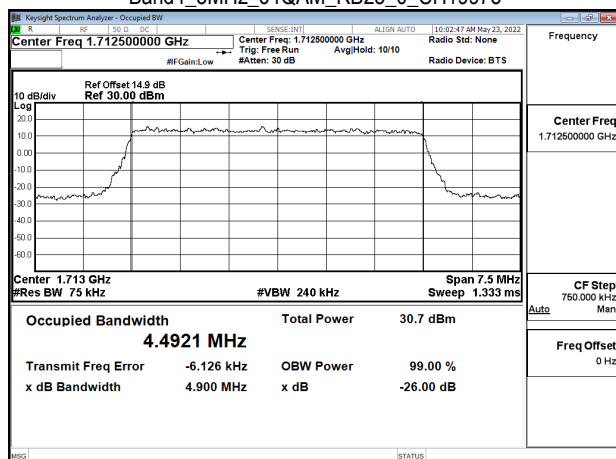
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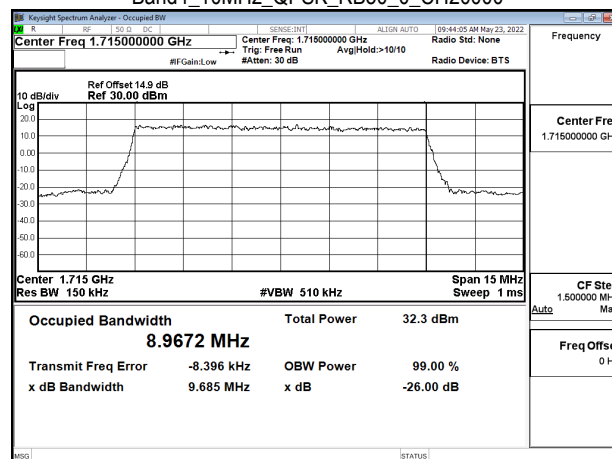
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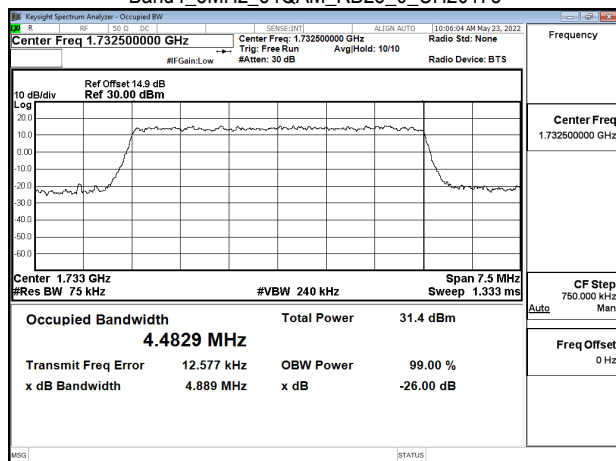
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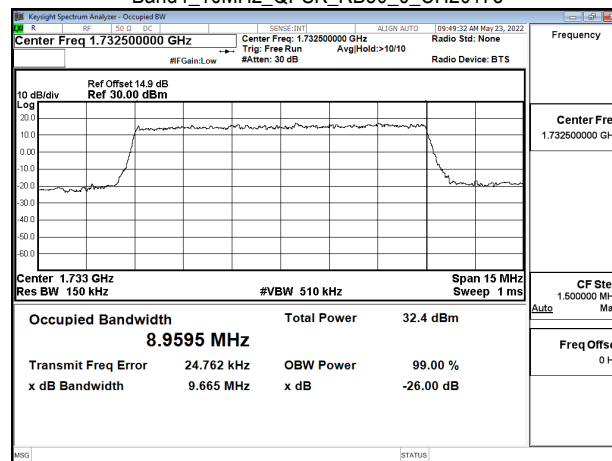
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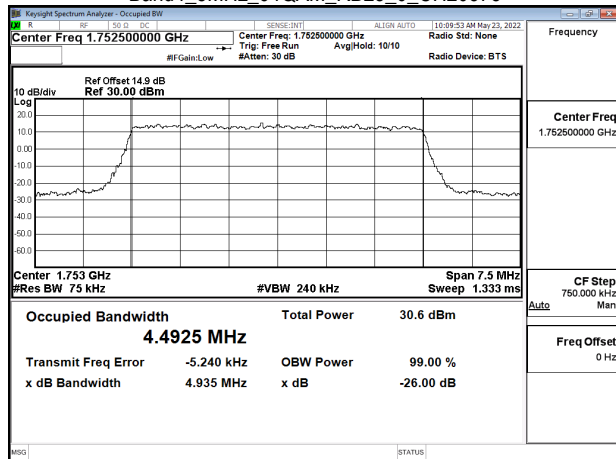
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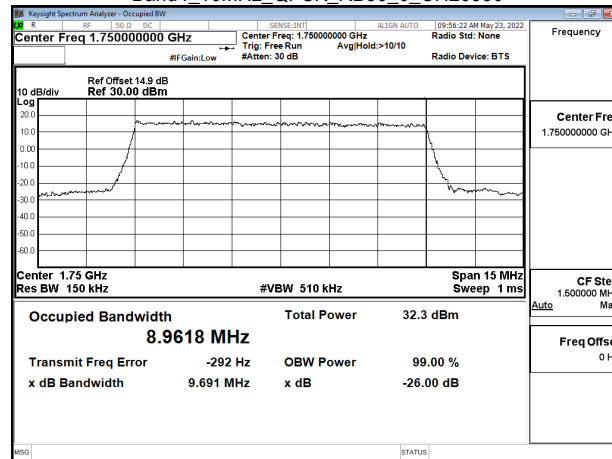
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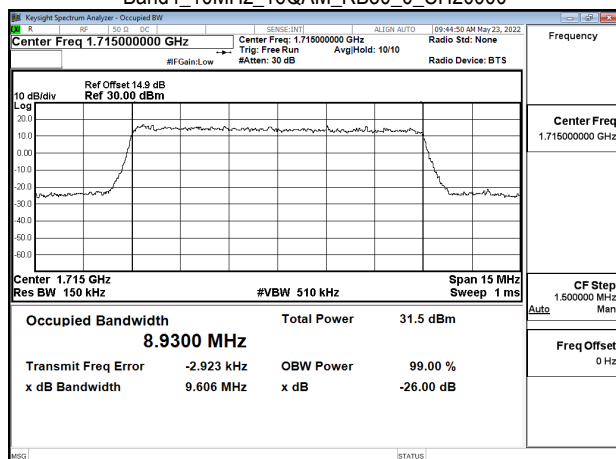
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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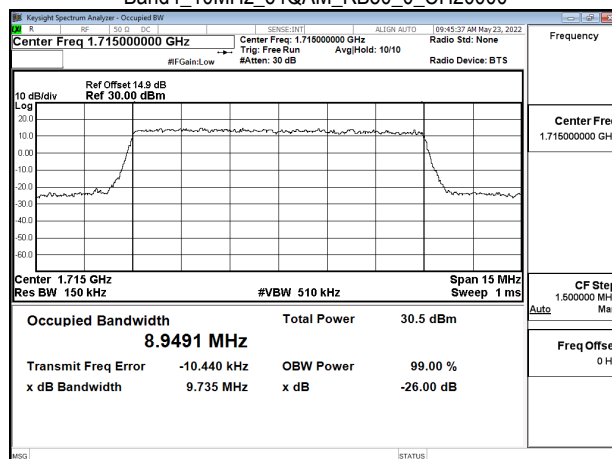
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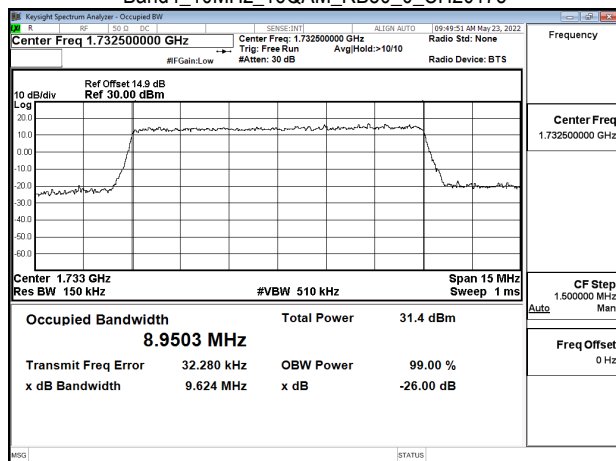
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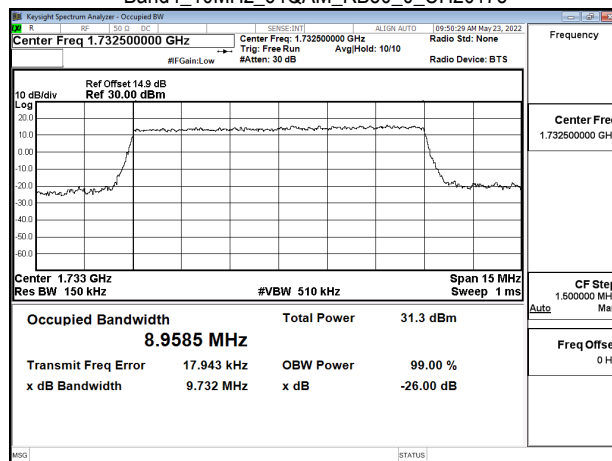
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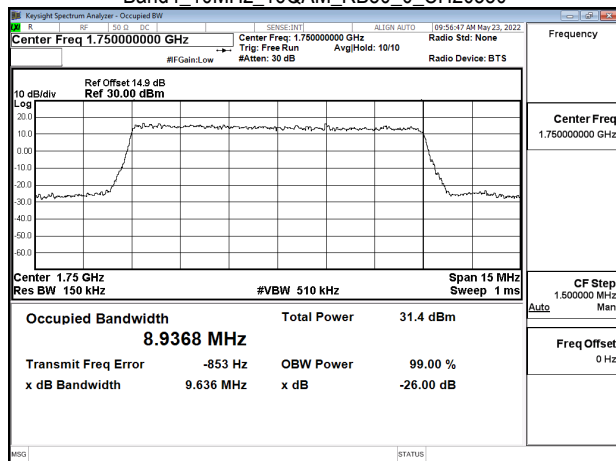
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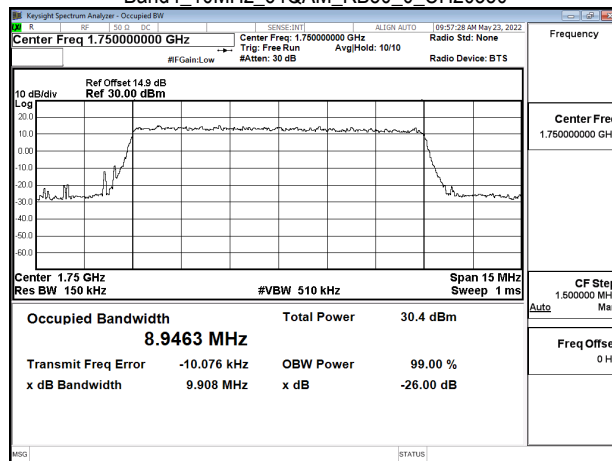
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Band4\_10MHz\_16QAM\_RB50\_0\_CH20350



Band4\_10MHz\_64QAM\_RB50\_0\_CH20350



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