ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H, PART 24 SUBPART E and PART 27 SUBPART B, C & SUBPART L and PART 90S REQUIREMENT

OF

Applicant:	HP Inc. 3390 East Harmony Road, Fort Collins Colorado, USA 80528
Product Name:	Tablet
Brand Name:	HP
Model No.:	HSN-I19C
Model Difference:	N/A
FCC ID:	B94HNI19CZVWP
Report Number:	E2/2018/40066
FCC Rule Part:	2 , 22H & 24E & 27B, C & L & 90S
Issue Date:	May 25, 2018
Date of Test:	Apr. 17, 2018 ~ May 18, 2018
Date of EUT Received:	Apr. 17, 2018

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory 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 tested as described in this report is in compliance with conducted and radiated emission limits.

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

Tested By: Aken Huang

Aken Huang / Engineer

Approved By: Jim Chang

Jim Chang / Manager

Testing Laboratory
0513

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Revision History

Report Number	Revision	Description	Effected Page	Issue Date	Revised By
E2/2018/40066	Rev.00	Initial creation of document	All	May 25, 2018	Violetta Tang

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Contents

1. GENERAL PRODUCT INFORMATION 4
2. SYSTEM TEST CONFIGURATION 11
3. SUMMARY OF TEST RESULTS 14
4. DESCRIPTION OF TEST MODES 15
5. MEASUREMENT UNCERTAINTY 30
6. RF CONDUCTED OUTPUT POWER MEASUREMENT 31
7. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT 54
8. OCCUPIED BANDWIDTH MEASUREMENT 120
9. OUT OF BAND EMISSION AT ANTENNA TERMINALS 190
10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT 353
11. FREQUENCY STABILITY MEASUREMENT 474
12. PEAK TO AVERAGE RATIO 485

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1. GENERAL PRODUCT INFORMATION

1.1. Product Description

General:

Product Name:	Tablet	
Brand Name:	HP	
Model No.:	HSN-I19C	
Model Difference:	N/A	
Hardware Version:	N/A	
Software Version:	N/A	
Power Supply:	7.7Vdc from Rechargeable Li-ion Battery or 5V / 9V / 12V / 15V / 20V from AC/DC Adapter	
	Battery:	1. Model No: HSTNN-DB8I, Supplier: Dynapack International Technology Corp. 2. Model No: HSTNN-UB7E, Supplier: SAMSUNG SDI CO LTD
	Adapter:	Model No.: TPN-LA12, Supplier: LITE-ON TECHNOLOGY CORP
IMEI:	359195080025530	

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1.2. WCDMA / LTE: Cellular Phone Standards Frequency Range

Operating Frequency (MHz)			
WCDMA / HSPA+ Band II	1852.4	-	1907.6
WCDMA//HSPA+ Band IV	1712.4	-	1752.6
WCDMA / HSPA+ Band V	826.4	-	846.6

LTE Band	BW (MHz)	Operation Frequency (MHz)		
2	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
4	1.4	1710.7	-	1754.3
	3	1711.5	-	1753.5
	5	1712.5	-	1752.5
	10	1715.0	-	1780.0
	15	1717.5	-	1747.5
	20	1720.0	-	1745.0
5	1.4	824.7	-	848.3
	3	825.5	-	847.5
	5	826.5	-	846.5
	10	829.0	-	844.0
7	5	2502.5	-	2567.5
	10	2505.0	-	2565.0
	15	2507.5	-	2562.5
	20	2510.0	-	2560.0
12	1.4	699.7	-	715.3
	3	700.5	-	714.5
	5	701.5	-	713.5
	10	704.0	-	711.0

LTE Band	BW (MHz)	Operation Frequency (MHz)		
13	5	779.5	-	784.5
	10	782		
17	5	706.5	-	713.5
	10	709.0	-	711.0
25	1.4	1850.7	-	1914.3
	3	1851.5	-	1913.5
	5	1852.5	-	1912.5
	10	1855.0	-	1910.0
	15	1857.5	-	1907.5
	20	1860.0	-	1905.0
26	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
26 Part90	1.4	814.7	-	823.3
	3	815.5	-	822.5
	5	816.5	-	821.5
	10	819.0		
30	5	2307.5	-	2312.5
	10	2310.0		
38	5	2572.5	-	2617.5
	10	2575.0	-	2615.0
	15	2577.5	-	2612.5
	20	2580.0	-	2610.0

LTE Band	BW (MHz)	Operation Frequency (MHz)		
41	5	2498.5	-	2687.5
	10	2501.0	-	2685.0
	15	2503.5	-	2682.5
	20	2506.0	-	2680.0

LTE Band	BW (MHz)	Operation Frequency (MHz)		
66	1.4	1710.7	-	1779.3
	3	1711.5	-	1778.5
	5	1712.5	-	1777.5
	10	1715.0	-	1775.0
	15	1717.5	-	1772.5
	20	1720.0	-	1770.0

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Antenna Designation

Vendor	Type	Main / Aux	Antenna Part No.	Modulation	Frequency (MHz)			Peak Antenna Gain (dBi)
INPAQ	PIFA	Main	6036B0209101 (WA-C1-LTE8-02-001)	WCDMA / HSPA Band II	1852.4	~	1907.6	-1.28
				WCDMA / HSPA Band IV	1712.4	~	1752.6	-5.02
				WCDMA / HSPA Band V	826.4	~	846.6	-2.89
				LTE Band 2	1850	~	1910	-1.28
				LTE Band 4	1710	~	1755	-4.98
				LTE Band 5	824	~	849	-2.62
				LTE Band 7	2503	~	2560	-7.93
				LTE Band 12	699	~	716	-3.45
				LTE Band 13	777	~	787	-5.43
				LTE Band 17	704	~	716	-3.45
				LTE Band 25	1850	~	1910	-1.28
				LTE Band 26	824	~	849	-2.62
				LTE Band 26 (Part 90S)	814	~	824	N/A
				LTE Band 30	2305	~	2315	-9.94
				LTE Band 38	2573	~	2610	N/A
				LTE Band 41	2496	~	2690	N/A
				LTE Band 66	1710	~	1780	-4.98
	PIFA	Aux	6036B0209001 (WA-C1-LTE8-02-002)	WCDMA / HSPA Band II	1852.4	~	1907.6	N/A
				WCDMA / HSPA Band IV	1712.4	~	1752.6	N/A
				WCDMA / HSPA Band V	826.4	~	846.6	N/A
				LTE Band 2	1850	~	1910	-5.42
				LTE Band 4	1710	~	1755	N/A
				LTE Band 5	824	~	849	N/A
				LTE Band 7	2503	~	2560	N/A
				LTE Band 12	699	~	716	N/A
				LTE Band 13	777	~	787	N/A
				LTE Band 17	704	~	716	N/A
				LTE Band 25	1850	~	1910	-4.92
				LTE Band 26	824	~	849	N/A
				LTE Band 26 (Part 90S)	814	~	824	N/A
				LTE Band 30	2305	~	2315	N/A
				LTE Band 38	2573	~	2610	N/A
				LTE Band 41	2496	~	2690	N/A
				LTE Band 66	1710	~	1780	N/A

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1.3. Type of Emission & Max ERP/EIRP Power Measurement Result:

	ERP / EIRP (dBm)		(W)	Type of Emission
WCDMA Band II	23.98	EIRP	0.250	4M16F9W
HSDPA Band II	24.69	EIRP	0.294	4M16F9W
HSUPA Band II	**25.04**	EIRP	**0.319**	4M15F9W
WCDMA Band IV	**19.71**	EIRP	**0.094**	4M14F9W
HSDPA Band IV	18.88	EIRP	0.077	4M13F9W
HSUPA Band IV	18.88	EIRP	0.077	4M15F9W
WCDMA Band V	**4.66**	ERP	**0.003**	4M15F9W
HSDPA Band V	4.60	ERP	0.003	4M14F9W
HSUPA Band V	4.58	ERP	0.003	4M15F9W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
2	1.4	QPSK	21.30	EIRP	0.135	1M09G7D
	1.4	16QAM	21.31	EIRP	0.135	1M10D7W
	3	QPSK	21.25	EIRP	0.133	2M70G7D
	3	16QAM	21.58	EIRP	0.144	2M70D7W
	5	QPSK	21.27	EIRP	0.134	4M49G7D
	5	16QAM	21.27	EIRP	0.134	4M50D7W
	10	QPSK	**21.75**	EIRP	**0.150**	8M98G7D
	10	16QAM	**21.91**	EIRP	**0.155**	8M97D7W
	15	QPSK	21.24	EIRP	0.133	13M5G7D
	15	16QAM	21.30	EIRP	0.135	13M5D7W
	20	QPSK	21.69	EIRP	0.148	18M0G7D
	20	16QAM	21.66	EIRP	0.147	18M0D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
4	1.4	QPSK	20.29	EIRP	0.107	1M09G7D
	1.4	16QAM	20.48	EIRP	0.112	1M10D7W
	3	QPSK	20.50	EIRP	0.112	2M70G7D
	3	16QAM	20.67	EIRP	0.117	2M70D7W
	5	QPSK	**20.69**	EIRP	**0.117**	4M51G7D
	5	16QAM	**20.96**	EIRP	**0.125**	4M50D7W
	10	QPSK	20.35	EIRP	0.108	8M99G7D
	10	16QAM	20.41	EIRP	0.11	8M98D7W
	15	QPSK	20.13	EIRP	0.103	13M5G7D
	15	16QAM	19.92	EIRP	0.098	13M5D7W
	20	QPSK	19.78	EIRP	0.095	18M0G7D
	20	16QAM	19.97	EIRP	0.099	18M1D7W

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LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
5	1.4	QPSK	**11.09**	ERP	**0.013**	1M10G7D
	1.4	16QAM	**11.60**	ERP	**0.014**	1M10D7W
	3	QPSK	10.41	ERP	0.011	2M70G7D
	3	16QAM	11.46	ERP	0.014	2M70D7W
	5	QPSK	10.36	ERP	0.011	4M50G7D
	5	16QAM	11.15	ERP	0.013	4M51D7W
	10	QPSK	10.09	ERP	0.010	9M01G7D
	10	16QAM	10.00	ERP	0.010	8M97D7W
7	5	QPSK	20.82	EIRP	0.121	4M50G7D
	5	16QAM	20.90	EIRP	0.123	4M50D7W
	10	QPSK	**21.72**	EIRP	**0.149**	8M99G7D
	10	16QAM	**21.87**	EIRP	**0.154**	8M97D7W
	15	QPSK	20.36	EIRP	0.109	13M5G7D
	15	16QAM	20.86	EIRP	0.122	13M5D7W
	20	QPSK	21.50	EIRP	0.141	18M0G7D
	20	16QAM	17.52	EIRP	0.056	18M0D7W
12	1.4	QPSK	4.79	ERP	0.003	1M09G7D
	1.4	16QAM	5.31	ERP	0.003	1M10D7W
	3	QPSK	6.31	ERP	0.004	2M70G7D
	3	16QAM	7.34	ERP	0.005	2M70D7W
	5	QPSK	6.33	ERP	0.004	4M50G7D
	5	16QAM	7.28	ERP	0.005	4M51D7W
	10	QPSK	**10.09**	ERP	**0.010**	9M00G7D
	10	16QAM	**10.00**	ERP	**0.010**	8M99D7W
13	5	QPSK	**19.78**	ERP	**0.095**	4M52G7D
	5	16QAM	**19.62**	ERP	**0.092**	4M51D7W
	10	QPSK	19.03	ERP	0.080	8M96G7D
	10	16QAM	19.00	ERP	0.079	8M94D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
17	5	QPSK	**13.16**	ERP	**0.021**	4M51G7D
	5	16QAM	13.14	ERP	0.021	4M51D7W
	10	QPSK	12.41	ERP	0.017	9M01G7D
	10	16QAM	**13.68**	ERP	**0.023**	8M99D7W
25	1.4	QPSK	17.40	EIRP	0.055	1M09G7D
	1.4	16QAM	17.30	EIRP	0.054	1M09D7W
	3	QPSK	18.07	EIRP	0.064	2M70G7D
	3	16QAM	18.29	EIRP	0.067	2M70D7W
	5	QPSK	**18.77**	ERP	**0.075**	4M50G7D
	5	16QAM	18.42	ERP	0.070	4M50D7W
	10	QPSK	18.40	ERP	0.069	9M01G7D
	10	16QAM	**18.64**	ERP	**0.073**	8M98D7W
	15	QPSK	18.43	ERP	0.070	13M5G7D
	15	16QAM	18.61	ERP	0.073	13M5D7W
	20	QPSK	18.17	ERP	0.066	18M0G7D
	20	16QAM	18.42	ERP	0.070	18M0D7W
26	1.4	QPSK	18.28	ERP	0.067	1M09G7D
	1.4	16QAM	18.39	ERP	0.069	1M09D7W
	3	QPSK	**18.41**	ERP	**0.069**	2M69G7D
	3	16QAM	18.53	ERP	0.071	2M70D7W
	5	QPSK	18.23	ERP	0.067	4M50G7D
	5	16QAM	**18.64**	ERP	**0.073**	4M50D7W
	10	QPSK	18.12	ERP	0.065	9M01G7D
	10	16QAM	18.37	ERP	0.069	8M97D7W
	15	QPSK	18.05	ERP	0.064	13M5G7D
	15	16QAM	18.56	ERP	0.072	13M5D7W

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LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
26 Part90	1.4	QPSK	**17.85**	ERP	**0.061**	1M09G7D
	1.4	16QAM	18.52	ERP	0.071	1M09D7W
	3	QPSK	17.51	ERP	0.056	2M70G7D
	3	16QAM	**18.54**	ERP	**0.071**	2M70D7W
	5	QPSK	17.45	ERP	0.056	4M51G7D
	5	16QAM	18.46	ERP	0.070	4M51D7W
	10	QPSK	17.67	ERP	0.058	8M99G7D
	10	16QAM	17.88	ERP	0.061	8M96D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
30	5	QPSK	**16.01**	EIRP	0.04	4M50G7D
	5	16QAM	16.40	EIRP	0.044	4M50D7W
	10	QPSK	15.82	EIRP	0.038	8M98G7D
	10	16QAM	**17.34**	EIRP	0.054	8M95D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
38	5	QPSK	**22.18**	ERP	**0.165**	4M50G7D
	5	16QAM	**21.70**	ERP	**0.148**	4M50D7W
	10	QPSK	21.45	ERP	0.140	8M99G7D
	10	16QAM	21.17	ERP	0.131	8M97D7W
	15	QPSK	21.11	ERP	0.129	13M5G7D
	15	16QAM	21.12	ERP	0.129	13M5D7W
	20	QPSK	20.64	ERP	0.116	18M0G7D
	20	16QAM	20.73	ERP	0.118	18M0D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
41	5	QPSK	20.21	EIRP	0.105	4M80G7D
	5	16QAM	20.61	EIRP	0.115	4M55D7W
	10	QPSK	19.84	EIRP	0.096	8M99G7D
	10	16QAM	19.69	EIRP	0.093	8M98D7W
	15	QPSK	**20.22**	EIRP	**0.105**	13M5G7D
	15	16QAM	19.89	EIRP	0.097	13M5D7W
	20	QPSK	20.09	EIRP	0.102	18M0G7D
	20	16QAM	**20.71**	EIRP	**0.118**	18M0D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
66	1.4	QPSK	**20.04**	EIRP	**0.101**	1M10G7D
	1.4	16QAM	**20.06**	EIRP	**0.101**	1M11D7W
	3	QPSK	19.76	EIRP	0.095	2M70G7D
	3	16QAM	19.97	EIRP	0.099	2M70D7W
	5	QPSK	19.86	EIRP	0.097	4M50G7D
	5	16QAM	19.91	EIRP	0.098	4M50D7W
	10	QPSK	19.24	EIRP	0.084	9M00G7D
	10	16QAM	19.37	EIRP	0.086	8M97D7W
	15	QPSK	18.76	EIRP	0.075	13M5G7D
	15	16QAM	19.04	EIRP	0.080	13M5D7W
	20	QPSK	19.07	EIRP	0.081	18M0G7D
	20	16QAM	19.11	EIRP	0.081	18M0D7W

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1.4. Test Methodology of Applied Standards

CC 47 CFR Part 2, 22, 24, 27, Part 90S.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03

KDB941225 D01 SAR test for 3G devices v03r01 (SAR Measurement Procedures for 3G Devices, WCDMA / HSPA) was used for EUT and Base station setting.

TS 151 010-1 is used to set, and measure the output power.

Note: All test items have been performed and record as per the above standards.

1.5. Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

(TAF code 0513)

FCC Registration Numbers are: 735305 / TW0002

1.6. Special Accessories

No special accessories were used during testing.

1.7. Equipment Modifications

There were no modifications incorporated into the EUT.

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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

According to measurement procured ANSI C63.26-2015, the EUT is placed on a turn 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)

According to measurement procured ANSI C63.26-2015, The EUT is a placed on as 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 according to the requirements in Section 8 and 13.

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.

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Note:

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

Following shows an offset computation in physical test.

	RF cable loss (dB)	Attenuation factor(dB)	offset(dB)
Low Band (Below 1GHz)	3.6	10	13.6
High Band (Above 1 GHz)	3.9	10	13.9

2.5. Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
WCDMA B2	7.7	0.728
WCDMA B4		0.719
WCDMA B5		0.684
LTE Band 2		0.858
LTE Band 4		0.868
LTE Band 5		0.709
LTE Band 7		0.695
LTE Band 12		0.695
LTE Band 13		0.726
LTE Band 17		0.683
LTE Band 25		0.858
LTE Band 26		0.703
LTE Band 26 (Part 90S)		0.691
LTE Band 30		0.846
LTE Band 38		0.861
LTE Band 41		0.857
LTE Band 66		0.831

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2.6. Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel-Conducted)

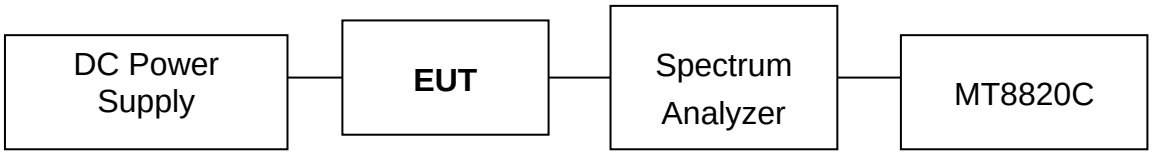
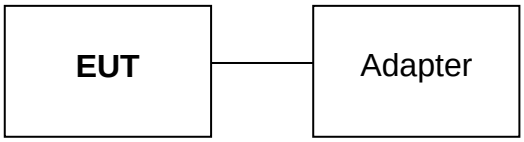


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)



Remote Side

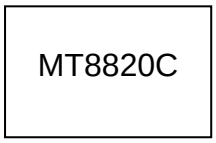


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Radio Communication Analyzer	Anritsu	MT8820C	62011107337	shielded	Un-shielded

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3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§2.1046(a) §22.913(a)(5) §24.232(c) §27.50(a)(3) §27.50(c)(10) §27.50(d)(4) §90.635	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occuupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.50(c)(5) §27.53(h) §27.53(m)(4)(6) §90.691	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(2),(4) §27.50(c)(5) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4) §90.691(a)(1)(2)	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.53(d) (5) §27.50(i) (B)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54 §90.213	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 mode from all possible combinations between available modulations, data rates, X(E1)Y(E2)Z(H) axis and antenna ports. The worst case was found as listed below. Following channel(s) was (were) selected for the final test as listed below:

BAND	ERP/EIRP	RADIATED EMISSION
WCDMA/HSPA Band II	E2-plan	E2-plan
WCDMA/HSPA Band IV	E2-plan	E2-plan
WCDMA/HSPA Band V	E2-plan	E2-plan
LTE Band 2	E2-plan	E2-plan
LTE Band 4	E2-plan	E2-plan
LTE Band 5	E2-plan	E2-plan
LTE Band 7	E2-plan	E2-plan
LTE Band 12	E2-plan	E2-plan
LTE Band 13	E2-plan	E2-plan
LTE Band 17	E2-plan	E2-plan
LTE Band 25	E2-plan	E2-plan
LTE Band 26	E2-plan	E2-plan
LTE Band 26 (Part 90S)	E2-plan	E2-plan
LTE Band 30	E2-plan	E2-plan
LTE Bnad 38	E2-plan	E2-plan
LTE Band 41	E2-plan	E2-plan
LTE Band 66	E2-plan	E2-plan

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WCDMA/HSPA MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
ERP	4132 to 4233	4132, 4183, 4233	WCDMA/HSPA Band V
EIRP	9262 to 9538 1312 to 1513	9262, 9400, 9583 1312, 1413, 1513	WCDMA/HSPA Band II WCDMA/HSPA Band IV
FREQUENCY STABILITY	4132 to 4233 1312 to 1513 9262 to 9538	4183 1413 9400	WCDMA Band II WCDMA Band IV WCDMA Band V
OCCUPIED BANDWIDTH	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band IV WCDMA/HSPA Band V
PEAK TO AVERAGE RATIO	1312 to 1513 9262 to 9538	1312, 1413, 1513 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band IV
BAND EDGE	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4233 1312, 1513 9262, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V
CONDCUDETED EMISSION	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V
RADIATED EMISSION	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V

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LTE Band 2 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	16QAM	Full RB
BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	18625 to 19175	18625, 19175	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	18650 to 19150	18650, 19150	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB, 0 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB, 0 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB, 0 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB, 0 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB, 0 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	18650 to 19150	18650, 18900, 19150	10MHz	16QAM	1 RB, 49 RB Offest

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LTE Band 4 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20000 to 20350	20175	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	19957 to 19393	19957, 20175, 19393	1.4MHz	16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	16QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	16QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	16QAM	Full RB
BAND EDGE	19957 to 19393	19957, 19393	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	19965 to 22385	19965, 22385	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	19975 to 20375	19975, 20375	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	20000 to 20350	20000, 20350	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	20025 to 20325	20025, 20325	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	20050 to 20300	20050, 20300	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK	1 RB, 0 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK	1 RB, 0 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK	1 RB, 0 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK	1 RB, 0 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK	1 RB, 0 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	19975 to 20375	19975, 20175, 20375	5MHz	16QAM	1 RB, 24 RB Offest

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LTE Band 5 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	20450 to 20600	20525	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	20470 to 20643	20470, 20525, 20643	1.4MHz	16QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	16QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	16QAM	Full RB
BAND EDGE	20470 to 20643	20470, 20643	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	20415 to 20635	20415, 20635	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	20425 to 20625	20425, 20625	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	20450 to 20600	20450, 20600	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED EMISSION	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK	1 RB, 0 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK	1 RB, 0 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK	1 RB, 0 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	20470 to 20643	20470, 20525, 20643	1.4MHz	16QAM	1 RB, 0 RB Offest

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LTE Band 7 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20800 to 21400	21100	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	20775 to 21425	20775, 21100, 21425	5MHz	16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	16QAM	Full RB
BAND EDGE	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB, 0 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB, 0 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK	1 RB, 0 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	1 RB, 49 RB Offest
EMISSION MASK	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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LTE Band 12 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHAN-NEL BAND-WIDTH	MODULATION	MODE
ERP	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23060 to 23130	23095	10MHz	QPSK	Full RB
OCCUPIED BANDWIDTH	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	Full RB
PEAK TO AV-ERAGE RATIO	23017 to 23173	23017, 23095, 23173	1.4MHz	16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	16QAM	Full RB
BAND EDGE	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCU-DETED EMIS-SION	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK	1 RB, 0 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK	1 RB, 0 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK	1 RB, 0 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	23060 to 23130	23060, 23095, 23130	10MHz	QPSK	1 RB, 0 RB Offest

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LTE Band 13 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23205 to 23255	23205, 23230, 23255	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23230	23230	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23230	23230	10MHz	QPSK	Full RB
OCCUPIED BANDWIDTH	23205 to 23255	23205, 23230, 23255	5MHz	QPSK, 16QAM	Full RB
	23230	23230	10MHz	QPSK, 16QAM	Full RB
PEAK TO AV-ERAGE RATIO	23205 to 23255	23205, 23230, 23255	5MHz	16QAM	Full RB
	23230	23230	10MHz	16QAM	Full RB
BAND EDGE	23205 to 23255	23205, 23255	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	23230	23230	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED EMISSION	23205 to 23255	23205, 23230, 23255	5MHz	QPSK	1 RB, 0 RB Offest
	23230	23230	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	23205 to 23255	23205, 23230, 23255	5MHz	QPSK	1 RB, 0 RB Offest

LTE Band 17 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23780 to 23800	23790	10MHz	QPSK	Full RB
OCCUPIED BANDWIDTH	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	Full RB
PEAK TO AV-ERAGE RATIO	23755 to 23825	23755, 23790, 23825	5MHz	16QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	16QAM	Full RB
BAND EDGE	23755 to 23825	23755, 23825	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	23780 to 23800	23780, 23800	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED EMISSION	23755 to 23825	23755, 23790, 23825	5MHz	QPSK	1 RB, 0 RB Offest
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	23780 to 23800	23780, 23790, 23800	10MHz	16QAM	1 RB, 49 RB Offest

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LTE Band 25 MODE

TEST ITEM	AVAILABLE CHAN-NEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	27047 to 26683	27047, 26365, 26683	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offset
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offset
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offset
	26096 to 26640	26096, 26365, 26640	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offset
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offset
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offset
FREQUENCY STABILITY	26096 to 26640	26365	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	27047 to 26683	27047, 26365, 26683	1.4MHz	QPSK, 16QAM	Full RB
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM	Full RB
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM	Full RB
	26096 to 26640	26096, 26365, 26640	10MHz	QPSK, 16QAM	Full RB
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM	Full RB
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	27047 to 26683	27047, 26365, 26683	1.4MHz	16QAM	Full RB
	26055 to 26675	26055, 26365, 26675	3MHz	16QAM	Full RB
	26065 to 26665	26065, 26365, 26665	5MHz	16QAM	Full RB
	26096 to 26640	26096, 26365, 26640	10MHz	16QAM	Full RB
	26115 to 26615	26115, 26365, 26615	15MHz	16QAM	Full RB
	26140 to 26590	26140, 26365, 26590	20MHz	16QAM	Full RB
BAND EDGE	27047 to 26683	27047, 26683	1.4MHz	QPSK	1 RB/ 0,5 RB Offset Full RB
	26055 to 26675	26055, 26675	3MHz	QPSK	1 RB/ 0,14 RB Offset Full RB
	26065 to 26665	26065, 26665	5MHz	QPSK	1 RB/ 0,24 RB Offset Full RB
	26096 to 26640	26096, 26640	10MHz	QPSK	1 RB/ 0,49 RB Offset Full RB
	26115 to 26615	26115, 26615	15MHz	QPSK	1 RB/ 0,74 RB Offset Full RB
	26140 to 26590	26140, 26590	20MHz	QPSK	1 RB/ 0,99 RB Offset Full RB
CONDCUDETED EMISSION	27047 to 26683	27047, 26365, 26683	1.4MHz	QPSK	1 RB, 0 RB Offset
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK	1 RB, 0 RB Offset
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK	1 RB, 0 RB Offset
	26096 to 26640	26096, 26365, 26640	10MHz	QPSK	1 RB, 0 RB Offset
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK	1 RB, 0 RB Offset
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK	1 RB, 0 RB Offset
RADIATED EMISSION	26065 to 26665	26065, 26365, 26665	5MHz	QPSK	1 RB, 0 RB Offset

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LTE Band 26 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
FREQUENCY STABILITY	26865 to 26965	26915	15MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM	Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM	Full RB
PEAK TO AVER-AGE RATIO	26797 to 27033	26797, 26915, 27033	1.4MHz	16QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	16QAM	Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	16QAM	Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	16QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	16QAM	Full RB
BAND EDGE	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB/ 0,74 RB Offest
CONDCUDETED EMISSION	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK	1 RB, 0 RB Offest
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK	1 RB, 0 RB Offest
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK	1 RB, 0 RB Offest
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK	1 RB, 0 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	26815 to 27015	26815, 26915, 27015	5MHz	16QAM	1 RB, 0 RB Offest

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LTE Band 26 for 90S MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26740	26740	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	26697 to 26783	26740	1.4MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	Full RB
	26740	26740	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVER-AGE RATIO	26697 to 26783	26697, 26740, 26783	1.4MHz	16QAM	Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	16QAM	Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	16QAM	Full RB
	26740	26740	10MHz	16QAM	Full RB
BAND EDGE	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	26740	26740	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED EMISSION	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK	1 RB, 0 RB Offest
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK	1 RB, 0 RB Offest
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK	1 RB, 0 RB Offest
	26740	26740	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	26705 to 26775	26705, 26740, 26775	3MHz	16QAM	1 RB, 0 RB Offest

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LTE Band 30 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	27710	27710	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	27710	27710	10MHz	QPSK	Full RB
OCCUPIED BANDWIDTH	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM	Full RB
	27710	27710	10MHz	QPSK, 16QAM	Full RB
PEAK TO AV-ERAGE RATIO	27685 to 27735	27685, 27710, 27735	5MHz	16QAM	Full RB
	27710	27710	10MHz	16QAM	Full RB
BAND EDGE	27685 to 27735	27685, 27710, 27735	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	27710	27710	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED EMISSION	27685 to 27735	27685, 27710, 27735	5MHz	QPSK	1 RB, 0 RB Offest
	27710	27710	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	27685 to 27735	27685, 27710, 27735	10MHz	16QAM	1 RB/ 0 RB Offest

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LTE Band 38 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVER-AGE RATIO	37775 to 38225	37775, 38000, 38225	5MHz	16QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	16QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	16QAM	Full RB
BAND EDGE	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB, 0 RB Offest
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	1 RB, 0 RB Offest
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK	1 RB, 0 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB, 24 RB Offest
EMISSION MASK	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	37850 to 38150	37850 , 38000, 38150	10MHz	16QAM	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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LTE Band 41 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	39700 to 41540	39700, 40620, 41540	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	Full RB
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	Full RB
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	Full RB
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVER-AGE RATIO	39675 to 41565	39675, 40620, 41565	5MHz	16QAM	Full RB
	39700 to 41540	39700, 40620, 41540	10MHz	16QAM	Full RB
	39725 to 41515	39725, 40620, 41515	15MHz	16QAM	Full RB
	39750 to 41490	39750, 40620, 41490	20MHz	16QAM	Full RB
BAND EDGE	39675 to 41565	39675, 41565	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	39700 to 41540	39700, 41540	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	39725 to 41515	39725, 41515	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	39750 to 41490	39750, 41490	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB, 0 RB Offest
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB, 0 RB Offest
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB, 0 RB Offest
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB, 0 RB Offest
EMISSION MASK	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset
RADIATED EMISSION	39750 to 41490	39750, 40620, 41490	20MHz	16QAM	1 RB, 99 RB Offest

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LTE Band 66 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK	Full RB
OCCUPIED BAND-WIDTH	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM	Full RB
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM	Full RB
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM	Full RB
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM	Full RB
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM	Full RB
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVER-AGE RATIO	131979 to 132665	131979, 132322, 132665	1.4MHz	16QAM	Full RB
	131987 to 132657	131987, 132322, 132657	3MHz	16QAM	Full RB
	131997 to 132647	131997, 132322, 132647	5MHz	16QAM	Full RB
	132022 to 132622	132022, 132322, 132622	10MHz	16QAM	Full RB
	132047 to 132597	132047, 132322, 132597	15MHz	16QAM	Full RB
	132072 to 132572	132072, 132322, 132572	20MHz	16QAM	Full RB
BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	18625 to 19175	18625, 19175	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	18650 to 19150	18650, 19150	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB, 0 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB, 0 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB, 0 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB, 0 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB, 0 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	1 RB, 0 RB Offest

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5. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1.10 dB
ERP/ EIRP measurement	Vertical Polarization = +/- 4.74dB Horizontal Polarization =+/- 4.62dB
99% Occupied Bandwidth	+/- 5.19 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.70 dB
Peak to Average Ratio	+/- 0.70 dB
Frequency Stability vs. Temperature	+/- 5.19 Hz
Frequency Stability vs. Voltage	+/- 5.19 Hz
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC=+/- 0.2%

Radiated Spurious Emission:

Measurement uncertainty (Polarization : **Vertical**)	9kHz – 30MHz: +/- 2.87 dB
	30MHz - 180MHz: +/- 3.37dB
	180MHz -417MHz: +/- 3.19dB
	0.417GHz-1GHz: +/- 3.19dB
	1GHz - 18GHz: +/- 4.04dB
	18GHz - 40GHz: +/- 4.04dB

Measurement uncertainty (Polarization : **Horizontal**)	9kHz – 30MHz: +/- 2.87 dB
	30MHz - 167MHz: +/- 4.22dB
	167MHz -500MHz: +/- 3.44dB
	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

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

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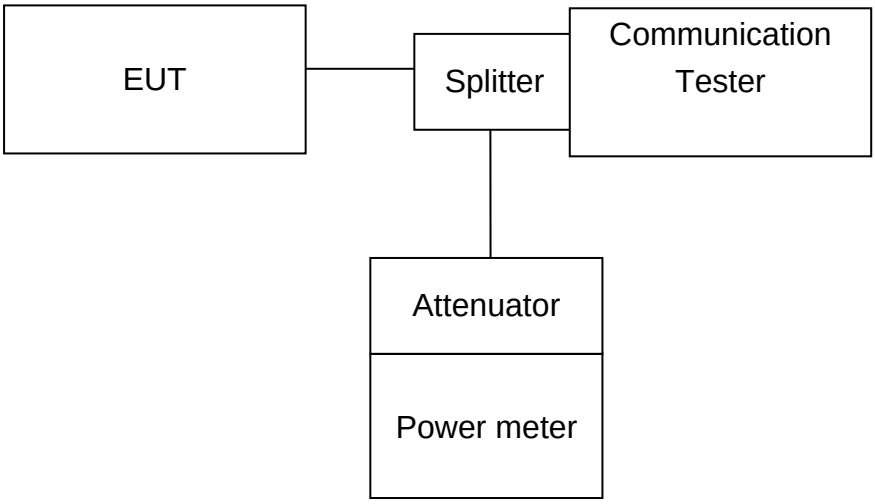
6. RF CONDUCTED OUTPUT POWER MEASUREMENT

6.1. 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.

6.2. Test Set-up



Note: *Measurement setup for testing on Antenna connector*

6.3. Measurement Procedure

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. TS 151 010-1 is reference to conduct the test measurement of output power.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results

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6.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Radio Communication Analyer	Anritsu	MT8820C	6201107337	2017/06/11	2018/06/10
DC Power Supply	Agilent	E3640A	MY53130054	2017/09/04	2018/09/03

6.5. Measurement Result

RF Conducted Output Power

WCDMA MODE:

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 V8.4.0 specification. The EUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7). RMC 12.2kps is used for this testing.

Results:

BNAD II	Avg. Power (dBm) Channel		
	9262	9400	9538
WCDMA	23.96	23.98	24.10
HSDPA	22.80	22.82	22.97
HSUPA	21.93	21.94	22.05

BNAD IV	Avg. Power (dBm) Channel		
	1312	1413	1513
WCDMA	23.79	23.64	24.33
HSDPA	22.62	22.94	23.22
HSUPA	21.73	22.26	22.28

BNAD V	Avg. Power (dBm) Channel		
	4132	4183	4233
WCDMA	23.47	23.83	23.34
HSDPA	22.93	22.97	22.72
HSUPA	22.10	22.12	21.93

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LTE Result:

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 18607	CH (Mid) 18900	CH (High) 19193	CH (Low) 18607	CH (Mid) 18900	CH (High) 19193
1.4	1	0	22.75	22.62	22.64	22.05	21.79	22.40
	1	5	22.78	22.59	22.51	21.71	21.63	22.33
	3	2	22.82	22.64	22.63	22.04	21.75	22.05
	6	0	21.54	21.67	21.90	20.67	20.64	20.95

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 18615	CH (Mid) 18900	CH (High) 19185	CH (Low) 18615	CH (Mid) 18900	CH (High) 19185
3	1	0	22.99	22.78	22.51	22.55	22.39	22.57
	1	14	23.18	22.92	22.82	22.39	22.04	21.85
	8	4	21.76	21.70	22.02	21.13	20.77	20.93
	15	0	21.87	21.77	21.83	20.81	20.75	21.10

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 18625	CH (Mid) 18900	CH (High) 19175	CH (Low) 18625	CH (Mid) 18900	CH (High) 19175
5	1	0	22.84	22.74	22.48	22.52	22.27	22.69
	1	24	23.01	23.06	22.77	22.42	22.01	21.82
	12	6	21.73	21.72	22.07	21.09	20.90	21.01
	25	0	21.90	21.74	21.83	20.77	20.71	21.03

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 18650	CH (Mid) 18900	CH (High) 19150	CH (Low) 18650	CH (Mid) 18900	CH (High) 19150
10	1	0	22.89	22.84	22.64	22.37	22.30	22.56
	1	49	23.06	22.91	22.80	22.39	22.11	21.77
	25	12	21.75	21.65	22.06	21.09	20.87	20.94
	50	0	21.82	21.87	21.86	20.79	20.73	21.07

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 18675	CH (Mid) 18900	CH (High) 19125	CH (Low) 18675	CH (Mid) 18900	CH (High) 19125
15	1	0	22.92	22.70	22.63	22.45	22.27	22.64
	1	74	23.07	22.91	22.78	22.26	22.15	21.82
	36	19	21.85	21.78	22.05	21.07	20.75	20.95
	75	0	21.93	21.74	21.90	20.85	20.66	21.19

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm) (dBm)					
			QPSK			16QAM		
			CH (Low) 18700	CH (Mid) 18900	CH (High) 19100	CH (Low) 18700	CH (Mid) 18900	CH (High) 19100
20	1	0	23.00	22.87	22.67	22.57	22.41	22.71
	1	99	23.20	23.10	22.83	22.46	22.18	21.97
	50	25	21.93	21.82	22.13	21.14	20.94	21.12
	100	0	22.00	21.94	21.94	20.91	20.79	21.23

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LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 19957	CH (Mid) 20175	CH (High) 20393	CH (Low) 19957	CH (Mid) 20175	CH (High) 20393
1.4	1	0	22.95	22.77	22.57	21.72	21.78	21.76
	1	5	22.52	22.85	22.60	22.14	22.37	22.08
	3	2	23.02	22.90	22.71	21.72	21.79	21.93
	6	0	21.40	21.82	21.74	20.85	20.89	20.76

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 19965	CH (Mid) 20175	CH (High) 20385	CH (Low) 19965	CH (Mid) 20175	CH (High) 20385
3	1	0	22.36	22.12	22.35	21.88	22.39	21.49
	1	14	22.58	22.34	22.50	21.32	21.70	21.51
	8	4	21.45	21.45	21.56	20.77	20.82	20.76
	15	0	21.77	21.77	21.58	20.62	20.67	20.61

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 19975	CH (Mid) 20175	CH (High) 20375	CH (Low) 19975	CH (Mid) 20175	CH (High) 20375
5	1	0	22.37	22.17	22.36	21.88	22.35	21.47
	1	24	22.53	22.37	22.47	21.45	21.77	21.67
	12	6	21.50	21.37	21.54	20.76	20.88	20.74
	25	0	21.71	21.84	21.62	20.76	20.81	20.58

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20000	CH (Mid) 20175	CH (High) 20350	CH (Low) 20000	CH (Mid) 20175	CH (High) 20350
10	1	0	22.37	22.18	22.38	21.83	22.21	21.34
	1	49	22.62	22.33	22.35	21.33	21.66	21.55
	25	12	21.55	21.34	21.51	20.74	20.91	20.62
	50	0	21.66	21.82	21.54	20.76	20.84	20.66

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LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20025	CH (Mid) 20175	CH (High) 20325	CH (Low) 20025	CH (Mid) 20175	CH (High) 20325
15	1	0	22.31	22.05	22.40	21.83	22.38	21.40
	1	74	22.51	22.49	22.43	21.46	21.69	21.62
	36	19	21.39	21.46	21.55	20.89	20.90	20.72
	75	0	21.77	21.85	21.51	20.63	20.73	20.50

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm) (dBm)					
			QPSK			16QAM		
			CH (Low) 20050	CH (Mid) 20175	CH (High) 20300	CH (Low) 20050	CH (Mid) 20175	CH (High) 20300
20	1	0	22.51	22.34	22.52	22.08	22.51	21.60
	1	99	22.74	22.61	22.65	21.58	21.95	21.78
	50	25	21.68	21.58	21.80	21.02	21.05	20.92
	100	0	21.95	21.97	21.79	20.91	20.97	20.78

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LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20407	CH (Mid) 20525	CH (High) 20643	CH (Low) 20407	CH (Mid) 20525	CH (High) 20643
1.4	1	0	23.36	23.30	23.29	22.32	22.16	22.80
	1	5	23.03	23.15	23.28	22.72	22.33	22.68
	3	2	23.41	23.01	23.13	22.99	22.18	22.68
	6	0	22.10	22.05	22.19	21.13	21.09	21.00

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20415	CH (Mid) 20525	CH (High) 20635	CH (Low) 20415	CH (Mid) 20525	CH (High) 20635
3	1	0	23.23	23.26	23.22	22.37	22.41	22.39
	1	14	23.07	23.33	23.07	22.15	22.53	22.62
	8	4	22.33	22.43	22.37	21.16	21.34	21.36
	15	0	22.25	22.33	22.46	21.19	21.26	21.50

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20425	CH (Mid) 20525	CH (High) 20625	CH (Low) 20425	CH (Mid) 20525	CH (High) 20625
5	1	0	23.08	23.07	23.26	22.26	22.37	22.57
	1	24	23.24	23.30	23.04	22.11	22.51	22.51
	12	6	22.18	22.41	22.51	21.19	21.34	21.48
	25	0	22.20	22.43	22.31	21.19	21.19	21.37

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20450	CH (Mid) 20525	CH (High) 20600	CH (Low) 20450	CH (Mid) 20525	CH (High) 20600
10	1	0	23.24	23.27	23.43	22.45	22.55	22.49
	1	49	23.25	23.48	23.13	22.51	22.62	22.63
	25	12	22.34	22.44	22.55	21.36	21.46	21.51
	50	0	22.27	22.45	22.50	21.32	21.34	21.52

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LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20775	CH (Mid) 21100	CH (High) 21425	CH (Low) 20775	CH (Mid) 21100	CH (High) 21425
5	1	0	23.61	23.31	22.85	22.55	22.30	22.05
	1	24	23.33	23.45	22.10	22.21	22.84	21.84
	12	6	22.50	22.33	21.62	21.51	21.50	20.67
	25	0	22.51	22.36	21.75	21.61	21.44	20.58

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20800	CH (Mid) 21100	CH (High) 21400	CH (Low) 20800	CH (Mid) 21100	CH (High) 21400
10	1	0	23.60	23.35	22.83	22.58	22.34	22.02
	1	49	23.25	23.38	22.10	22.19	22.87	21.92
	25	12	22.59	22.25	21.64	21.56	21.47	20.51
	50	0	22.50	22.43	21.69	21.43	21.46	20.54

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20825	CH (Mid) 21100	CH (High) 21375	CH (Low) 20825	CH (Mid) 21100	CH (High) 21375
15	1	0	23.64	23.33	22.95	22.40	22.48	22.02
	1	74	23.16	23.48	22.11	22.13	22.96	21.78
	36	19	22.54	22.21	21.63	21.54	21.38	20.63
	75	0	22.44	22.47	21.65	21.57	21.50	20.69

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 20850	CH (Mid) 21100	CH (High) 21350	CH (Low) 20850	CH (Mid) 21100	CH (High) 21350
20	1	0	23.67	23.40	22.96	22.60	22.50	22.15
	1	99	23.34	23.52	22.26	22.30	23.00	21.96
	50	25	22.68	22.40	21.72	21.66	21.56	20.69
	100	0	22.55	22.50	21.81	21.63	21.54	20.70

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LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23017	CH (Mid) 23095	CH (High) 23173	CH (Low) 23017	CH (Mid) 23095	CH (High) 23173
1.4	1	0	22.46	22.43	22.45	21.20	21.72	21.63
	1	5	22.11	22.31	22.05	21.25	21.20	21.27
	3	2	22.38	22.45	22.45	21.30	21.47	21.42
	6	0	21.22	21.32	21.36	20.26	20.29	20.30

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23025	CH (Mid) 23095	CH (High) 23165	CH (Low) 23025	CH (Mid) 23095	CH (High) 23165
3	1	0	22.85	22.98	22.92	22.15	21.63	22.18
	1	14	22.89	22.99	22.78	21.94	21.94	22.34
	8	4	21.73	21.87	21.82	20.87	20.65	20.93
	15	0	21.72	21.64	21.66	20.60	20.73	20.75

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23035	CH (Mid) 23095	CH (High) 23155	CH (Low) 23035	CH (Mid) 23095	CH (High) 23155
5	1	0	22.95	22.82	22.83	22.12	21.57	22.27
	1	24	22.87	22.95	22.84	22.03	22.04	22.33
	12	6	21.85	21.80	21.82	20.84	20.58	20.90
	25	0	21.68	21.64	21.70	20.79	20.69	20.74

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23060	CH (Mid) 23095	CH (High) 23130	CH (Low) 23060	CH (Mid) 23095	CH (High) 23130
10	1	0	22.96	22.99	22.97	22.20	21.71	22.29
	1	49	23.01	23.08	22.94	22.13	22.05	22.42
	25	12	21.88	21.90	21.94	20.93	20.74	20.97
	50	0	21.85	21.82	21.85	20.80	20.79	20.88

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LTE Band 13_Uplink frequency band : 777 to 787 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23205	CH (Mid) 23230	CH (High) 23255	CH (Low) 23205	CH (Mid) 23230	CH (High) 23255
5	1	0	22.09	22.54	22.58	21.41	21.72	21.40
	1	24	22.50	22.18	22.52	21.42	21.19	21.81
	12	6	21.51	21.50	21.27	20.42	20.41	20.28
	25	0	21.50	21.44	21.62	20.57	20.59	20.69

LTE Band 13_Uplink frequency band : 777 to 787 MHz				
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	
			QPSK	16QAM
			CH (Mid) 23230	CH (Mid) 23230
10	1	0	22.74	22.27
	1	49	22.85	22.12
	25	12	21.86	21.04
	50	0	22.01	20.93

LTE Band 17_Uplink frequency band : 704 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23755	CH (Mid) 23790	CH (High) 23825	CH (Low) 23755	CH (Mid) 23790	CH (High) 23825
5	1	0	22.73	22.71	22.82	21.82	21.89	21.65
	1	24	22.79	22.74	22.79	21.96	22.21	21.80
	12	6	21.72	21.82	21.71	20.68	20.66	20.52
	25	0	21.72	21.65	21.78	20.70	20.57	20.69

LTE Band 17_Uplink frequency band : 704 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 23780	CH (Mid) 23790	CH (High) 23800	CH (Low) 23780	CH (Mid) 23790	CH (High) 23800
10	1	0	22.81	22.82	22.90	21.95	22.03	21.67
	1	49	22.89	22.80	22.87	22.03	22.24	21.93
	25	12	21.88	21.85	21.78	20.81	20.75	20.64
	50	0	21.78	21.68	21.91	20.75	20.71	20.81

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LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26047	CH (Mid) 26365	CH (High) 26683	CH (Low) 26047	CH (Mid) 26365	CH (High) 26683
1.4	1	0	22.60	22.42	22.08	22.46	21.63	22.25
	1	5	22.61	22.66	22.93	21.93	21.64	21.49
	3	2	22.74	22.75	22.25	21.87	21.69	21.57
	6	0	21.70	21.72	21.70	20.76	20.73	20.78

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26055	CH (Mid) 26365	CH (High) 26675	CH (Low) 26055	CH (Mid) 26365	CH (High) 26675
3	1	0	22.69	22.81	22.87	22.35	21.87	22.13
	1	14	22.82	23.17	22.45	22.61	22.58	21.77
	8	4	21.69	21.71	21.51	20.88	20.91	20.63
	15	0	21.80	21.82	21.37	20.72	20.96	20.40

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26065	CH (Mid) 26365	CH (High) 26665	CH (Low) 26065	CH (Mid) 26365	CH (High) 26665
5	1	0	22.75	22.82	22.92	22.38	21.92	22.28
	1	24	22.88	23.11	22.48	22.58	22.59	21.73
	12	6	21.69	21.69	21.51	20.85	20.91	20.56
	25	0	21.75	21.93	21.95	20.63	20.86	20.39

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26090	CH (Mid) 26365	CH (High) 26640	CH (Low) 26090	CH (Mid) 26365	CH (High) 26640
10	1	0	22.72	22.87	22.90	22.24	21.88	22.25
	1	49	22.90	23.14	22.47	22.45	22.63	22.40
	25	12	21.85	21.65	21.59	20.81	21.02	20.54
	50	0	21.85	21.86	21.10	20.65	20.86	20.45

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LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26115	CH (Mid) 26365	CH (High) 26615	CH (Low) 26115	CH (Mid) 26365	CH (High) 26615
15	1	0	22.79	22.68	22.90	22.39	21.79	22.27
	1	74	22.86	23.08	22.51	22.44	22.57	21.70
	36	19	21.86	21.75	21.61	20.84	20.98	20.70
	75	0	21.87	21.88	21.08	20.68	20.88	20.54

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm) (dBm)					
			QPSK			16QAM		
			CH (Low) 26140	CH (Mid) 26365	CH (High) 26590	CH (Low) 26140	CH (Mid) 26365	CH (High) 26590
20	1	0	22.83	22.88	22.93	22.41	21.95	22.31
	1	99	22.99	23.24	22.64	22.63	22.67	21.88
	50	25	21.87	21.81	21.70	20.94	21.03	20.71
	100	0	21.88	21.99	21.45	20.83	21.02	20.56

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LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26797	CH (Mid) 26915	CH (High) 27033	CH (Low) 26797	CH (Mid) 26915	CH (High) 27033
1.4	1	0	22.27	22.41	22.16	21.60	21.67	21.52
	1	5	22.31	22.31	22.01	21.80	21.25	21.73
	3	2	22.49	22.48	22.11	21.51	21.38	21.30
	6	0	21.33	21.38	21.35	20.45	20.36	20.33

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26805	CH (Mid) 26915	CH (High) 27025	CH (Low) 26805	CH (Mid) 26915	CH (High) 27025
3	1	0	22.53	22.60	22.55	22.09	21.50	21.87
	1	14	22.62	22.71	22.49	21.77	22.13	21.36
	8	4	21.80	21.82	21.85	20.79	20.85	20.90
	15	0	21.72	21.80	21.67	20.76	20.63	20.74

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26815	CH (Mid) 26915	CH (High) 27015	CH (Low) 26815	CH (Mid) 26915	CH (High) 27015
5	1	0	22.62	22.52	22.40	22.02	21.55	21.93
	1	24	22.61	22.74	22.48	21.70	22.17	21.41
	12	6	21.86	21.81	21.89	20.81	20.88	20.77
	25	0	21.74	21.73	21.74	20.69	20.81	20.89

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LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26840	CH (Mid) 26915	CH (High) 26990	CH (Low) 26840	CH (Mid) 26915	CH (High) 26990
10	1	0	22.54	22.43	22.49	22.12	21.55	22.03
	1	49	22.55	22.62	22.56	21.77	22.08	21.25
	25	12	21.90	21.76	21.92	20.81	20.76	20.90
	50	0	21.74	21.73	21.75	20.69	20.68	20.73

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26865	CH (Mid) 26915	CH (High) 26965	CH (Low) 26865	CH (Mid) 26915	CH (High) 26965
15	1	0	22.68	22.63	22.57	22.17	21.59	22.07
	1	74	22.65	22.79	22.66	21.89	22.19	21.45
	36	19	21.97	21.92	22.03	20.95	20.96	20.94
	75	0	21.89	21.82	21.87	20.83	20.82	20.90

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Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26697	CH (Mid) 26740	CH (High) 26783	CH (Low) 26697	CH (Mid) 26740	CH (High) 26783
1.4	1	0	22.09	22.27	21.91	21.53	21.44	21.41
	1	5	22.18	22.16	21.85	21.62	21.13	21.61
	3	2	22.44	22.30	22.03	21.31	21.26	21.12
	6	0	21.11	21.31	21.11	20.36	20.16	20.30

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26705	CH (Mid) 26740	CH (High) 26775	CH (Low) 26705	CH (Mid) 26740	CH (High) 26775
3	1	0	22.48	22.54	22.42	21.95	21.31	21.86
	1	14	22.48	22.60	22.24	21.54	22.01	21.17
	8	4	21.62	21.61	21.79	20.76	20.79	20.77
	15	0	21.69	21.78	21.64	20.55	20.55	20.60

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 26715	CH (Mid) 26740	CH (High) 26765	CH (Low) 26715	CH (Mid) 26740	CH (High) 26765
5	1	0	22.56	22.37	22.22	21.79	21.52	21.69
	1	24	22.39	22.62	22.40	21.56	22.16	21.29
	12	6	21.83	21.61	21.77	20.75	20.79	20.52
	25	0	21.60	21.54	21.61	20.56	20.69	20.72

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz				
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	
			QPSK	16QAM
			CH (Mid) 26740	CH (Mid) 26740
10	1	0	22.57	22.43
	1	49	22.86	22.06
	25	12	22.11	21.00
	50	0	21.96	20.99

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LTE Band 30_Uplink frequency band : 2305 to 2315 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 27685	CH (Mid) 27710	CH (High) 27735	CH (Low) 27685	CH (Mid) 27710	CH (High) 27735
5	1	0	22.73	22.69	22.77	22.05	22.29	22.26
	1	24	22.56	22.71	22.67	21.95	22.31	22.14
	12	6	21.74	21.87	21.95	20.72	20.80	20.75
	25	0	21.76	21.92	21.95	20.75	20.81	21.02

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz				
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	
			QPSK	16QAM
			CH (Mid) 27710	CH (Mid) 27710
10	1	0	22.78	22.21
	1	49	22.79	21.83
	25	12	21.92	20.88
	50	0	21.91	20.86

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LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 37775	CH (Mid) 38000	CH (High) 38225	CH (Low) 37775	CH (Mid) 38000	CH (High) 38225
5	1	0	22.91	22.98	22.72	22.25	22.22	22.06
	1	24	22.41	22.31	22.27	21.55	21.60	21.38
	12	6	21.38	21.23	21.05	20.48	20.34	20.30
	25	0	21.74	21.31	21.20	20.49	20.28	20.27

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 37800	CH (Mid) 38000	CH (High) 38200	CH (Low) 37800	CH (Mid) 38000	CH (High) 38200
10	1	0	23.03	22.80	22.67	22.22	22.22	21.99
	1	49	22.30	22.21	22.14	21.55	21.56	21.49
	25	12	21.38	21.25	21.05	20.48	20.28	20.31
	50	0	21.62	21.45	21.21	20.56	20.24	20.20

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 37825	CH (Mid) 38000	CH (High) 38175	CH (Low) 37825	CH (Mid) 38000	CH (High) 38175
15	1	0	22.95	22.79	22.75	22.22	22.09	22.10
	1	74	22.39	22.31	22.22	21.53	21.62	21.38
	36	19	21.33	21.21	21.13	20.30	20.37	20.23
	75	0	21.69	21.44	21.21	20.46	20.28	20.23

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 37850	CH (Mid) 38000	CH (High) 38150	CH (Low) 37850	CH (Mid) 38000	CH (High) 38150
20	1	0	23.04	22.99	22.86	22.30	22.27	22.13
	1	99	22.44	22.34	22.28	21.61	21.69	21.55
	50	25	21.49	21.26	21.20	20.50	20.40	20.32
	100	0	21.75	21.48	21.34	20.62	20.40	20.33

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LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 39675	CH (Mid) 40620	CH (High) 41565	CH (Low) 39675	CH (Mid) 40620	CH (High) 41565
5	1	0	22.01	22.80	22.29	21.16	22.09	21.50
	1	24	22.06	22.97	22.03	21.69	22.18	21.28
	12	6	21.15	21.96	21.35	20.05	21.00	20.21
	25	0	21.00	22.04	21.08	20.08	21.03	20.21

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 39700	CH (Mid) 40620	CH (High) 41540	CH (Low) 39700	CH (Mid) 40620	CH (High) 41540
10	1	0	22.19	22.83	22.33	21.05	22.03	21.69
	1	49	22.11	22.98	22.11	21.56	22.33	21.39
	25	12	21.04	22.04	21.36	20.06	21.05	20.37
	50	0	21.95	22.04	21.10	20.06	21.03	20.30

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 39725	CH (Mid) 40620	CH (High) 41515	CH (Low) 39725	CH (Mid) 40620	CH (High) 41515
15	1	0	22.08	22.75	22.37	21.04	22.03	21.61
	1	74	22.19	23.00	22.07	21.54	22.20	21.30
	36	19	21.17	21.97	21.21	20.07	21.18	20.35
	75	0	21.97	21.90	21.23	20.11	21.13	20.24

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 39750	CH (Mid) 40620	CH (High) 41490	CH (Low) 39750	CH (Mid) 40620	CH (High) 41490
20	1	0	22.05	22.88	22.45	21.24	22.10	21.70
	1	99	22.24	23.05	22.13	21.70	22.37	21.45
	50	25	21.24	22.13	21.39	20.17	21.19	20.41
	100	0	21.10	22.06	21.27	20.12	21.16	20.39

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LTE Band 66_Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05	CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05
1.4	1	0	22.48	22.34	22.34	21.84	21.61	21.88
	1	5	22.45	22.34	22.29	21.55	21.54	21.59
	3	2	22.67	22.54	22.52	21.58	21.54	21.27
	6	0	21.50	21.41	21.30	20.52	20.53	20.40

LTE Band 66_Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05	CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05
3	1	0	22.25	22.24	22.33	21.12	21.19	21.50
	1	14	22.40	22.20	22.28	21.92	21.18	21.26
	8	4	21.53	21.38	21.54	20.54	20.40	20.57
	15	0	21.42	21.28	21.46	20.53	20.23	20.47

LTE Band 66_Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05	CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05
5	1	0	22.20	22.14	22.15	21.23	21.22	21.56
	1	24	22.29	22.23	22.30	21.81	21.24	21.14
	12	6	21.44	21.44	21.58	20.71	20.54	20.62
	25	0	21.47	21.37	21.63	20.41	20.24	20.40

LTE Band 66_Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05	CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05
10	1	0	22.17	22.17	22.22	21.19	21.29	21.58
	1	49	22.22	22.28	22.31	21.76	21.26	21.21
	25	12	21.51	21.41	21.65	20.67	20.41	20.49
	50	0	21.47	21.41	21.55	20.41	20.33	20.40

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LTE Band 66_Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05	CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05
15	1	0	22.11	22.22	22.15	21.07	21.17	21.56
	1	74	22.30	22.37	22.19	21.82	21.27	21.10
	36	19	21.45	21.37	21.54	20.55	20.37	20.51
	75	0	21.45	21.32	21.49	20.49	20.29	20.40

LTE Band 66_Uplink frequency band : 1709 to 1780 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05	CH (Low) 1E+05	CH (Mid) 1E+05	CH (High) 1E+05
20	1	0	22.28	22.27	22.35	21.24	21.30	21.66
	1	99	22.42	22.39	22.33	21.95	21.36	21.30
	50	25	21.61	21.56	21.70	20.74	20.57	20.63
	100	0	21.52	21.42	21.66	20.57	20.35	20.53

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HSDPA Release 6 MODE:

The following 4 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C10.1.4 & C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing.

HSDPA SUB-TEST Setting

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	β_c	β_d	β_d ***(SF)***	β_c/β_d	β_{HS} (*Note1, Note 2*)	**CM (dB)** *(Note 3)*	**MPR (dB)** *(Note 3)*	**RMC (Kbps)**
1	2/15	15/15	64	2/15	4/15	0.0	0.0	12.2
2	12/15 *(Note 4)*	15/15 *(Note 4)*	64	12/15 *(Note 4)*	24/15	1.0	0.0	12.2
3	15/15	8/15	64	15/8	30/15	1.5	0.5	12.2
4	15/15	4/15	64	15/4	30/15	1.5	0.5	12.2

Note: The recommended HSDPA MPRs are implemented as per following sub-tests.

Results:

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		9262	9400	9538		
HSDPA II	1	22.80	22.82	22.97	20.3dBm – 25.7dBm	Pass
	2	21.90	21.87	22.02	20.3dBm – 25.7dBm	Pass
	3	21.15	21.20	21.23	19.8dBm – 25.7dBm	Pass
	4	21.09	21.08	21.14	19.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		1312	1413	1513		
HSDPA IV	1	22.62	22.94	23.22	20.3dBm – 25.7dBm	Pass
	2	22.69	22.22	22.25	20.3dBm – 25.7dBm	Pass
	3	20.91	21.44	21.43	19.8dBm – 25.7dBm	Pass
	4	20.80	21.35	21.36	19.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		4132	4183	4233		
HSDPA V	1	22.93	22.97	22.72	20.3dBm – 25.7dBm	Pass
	2	22.03	22.06	21.86	20.3dBm – 25.7dBm	Pass
	3	21.21	21.23	21.07	19.8dBm – 25.7dBm	Pass
	4	21.11	21.15	20.96	19.8dBm – 25.7dBm	Pass

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HSPA (HSDPA & HSUPA) Release 6 MODE

The following 5 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing

HSPA SUB-TEST Setting

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (Codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI	RMC (Kbps)
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75	12.2
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67	12.2
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92	12.2
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71	12.2
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81	12.2

Note: The recommended HSUPA MPRs are implemented as per following sub-tests.

Results:

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		9262	9400	9538		
HSUPA II	1	21.93	21.94	22.05	18.8dBm – 25.7dBm	Pass
	2	21.83	21.84	21.99	16.8dBm – 25.7dBm	Pass
	3	21.61	21.53	21.72	17.8dBm – 25.7dBm	Pass
	4	22.79	22.82	22.97	16.8dBm – 25.7dBm	Pass
	5	21.78	21.74	21.91	18.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		1312	1413	1513		
HSDPA IV	1	21.73	22.26	22.28	20.3dBm – 25.7dBm	Pass
	2	21.68	22.22	22.24	20.3dBm – 25.7dBm	Pass
	3	21.40	21.92	21.93	19.8dBm – 25.7dBm	Pass
	4	22.65	22.72	23.22	19.8dBm – 25.7dBm	Pass
	5	21.56	22.11	22.13	19.8dBm – 25.7dBm	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		4132	4183	4233		
HSUPA V	1	22.10	22.12	21.93	18.8dBm – 25.7dBm	Pass
	2	22.03	22.04	21.82	16.8dBm – 25.7dBm	Pass
	3	21.76	21.74	21.56	17.8dBm – 25.7dBm	Pass
	4	22.81	22.97	22.63	16.8dBm – 25.7dBm	Pass
	5	21.97	22.00	21.81	18.8dBm – 25.7dBm	Pass

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WCDMA/HSDPA/HSUPA band II, IV, V

The EUT output power was controlled by simulator. Set Communication Tester MT8820C function key “UE Power Control” and enter max rated power 24dBm. The EUT is going to be set to max output power to 24dBm. Then record the read (see page 15 for measurement data). The min. power was measures by a function key “minimum power” then record the read. It is -52.3dBm. The power variation can be 0.1dB step by setting.

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7. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT

7.1. Standard Applicable

According to FCC §2.1046

FCC 22.913(a) Mobile station is limited to 7W ERP.

FCC 24.232(b) Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(a)(3) Mobile and portable stations (hand-held devices) are limited to 250 mW/ 5MHz EIRP.

FCC 27.50(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

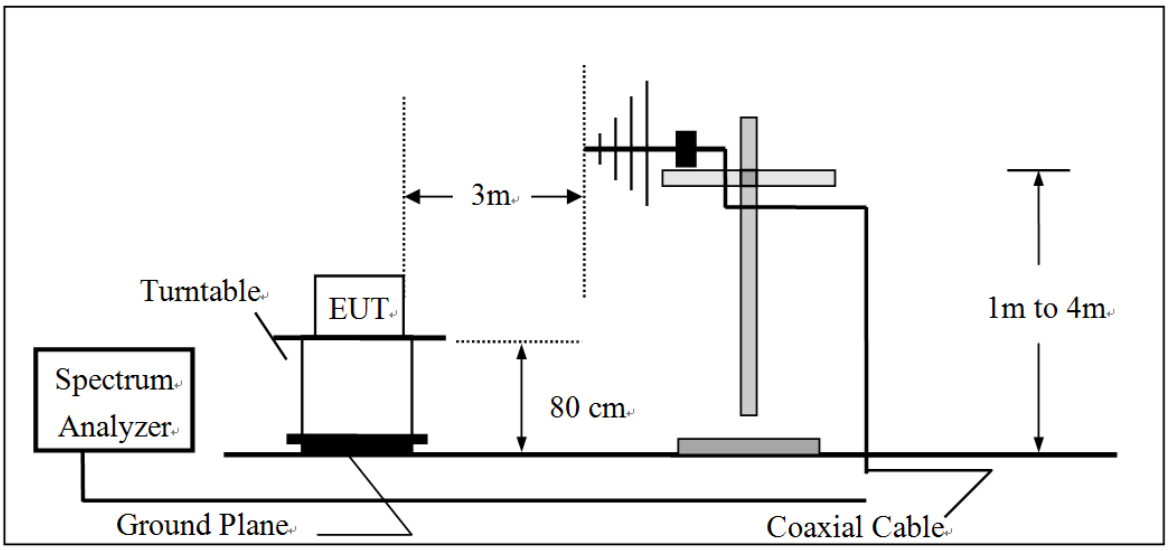
FCC 27.50(c)(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

FCC 27.50(d)(4) Fixed, mobile, and portable (hand-held) stations are limited to 1W EIRP.

FCC 27, 50(h)(2) Mobile and other user stations. Mobile stations are limited to 2 W EIRP
FCC 90.635(b) Mobile station is limited to 100W ERP

7.2. Test SET-UP

(A) Radiated Power Test Set-Up, Frequency Below1000MHz



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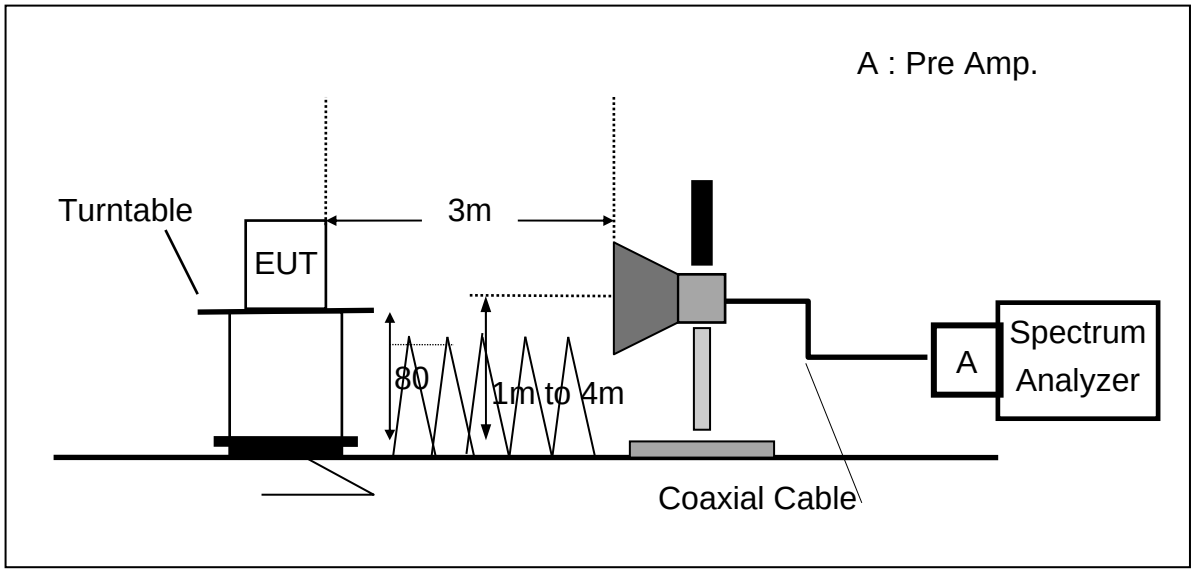
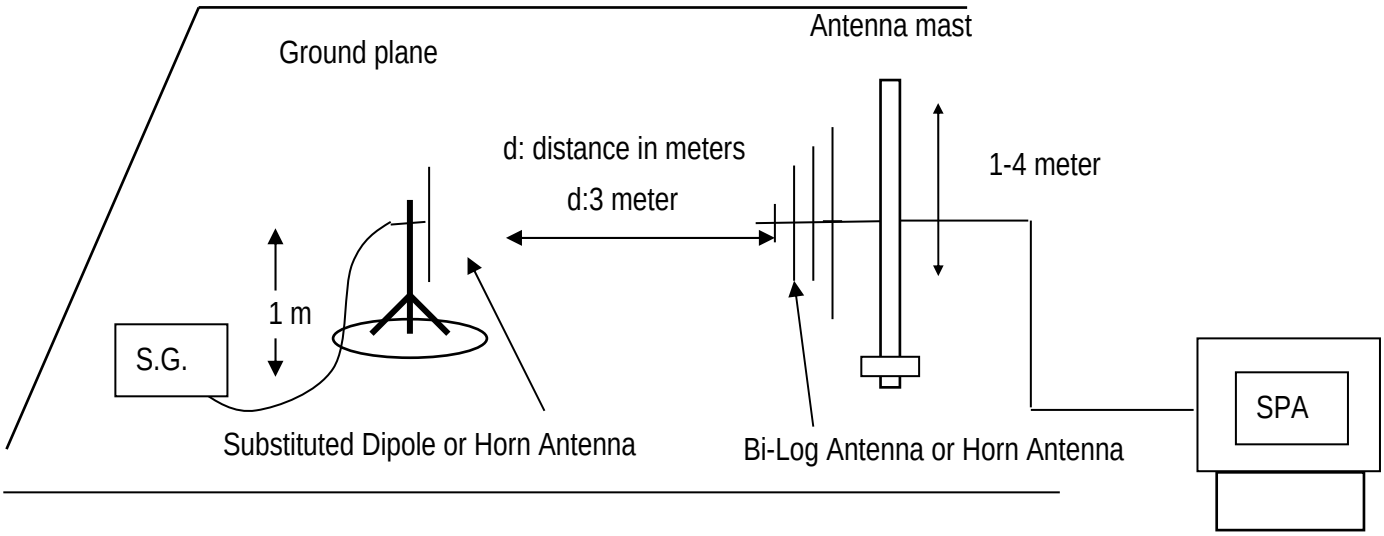
(B) Radiated Power Test Set-UP Frequency Over 1 GHz



(C) Substituted Method Test Set-UP



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7.3. Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 971168 D01
2. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
3. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated
4. The testing follows the Measurement Procedure of FCC KDB 971168 D01
5. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step b. Record the power level of S.G.
6. ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB)
7. EIRP = S.G. output (dBm) + Antenna Gain (dBi) – Cable Loss (dB)
8. Spectrum setting:
   (1) Detector = Peak, marker the highest value of the detector by maximum hold, set RBW wide enough to capture the entire signal of emission, and VBW > =3xRBW.
   (2) KDB 971168 D01 is adopted, and the procedure as lists under item 4, Measurement of the Average Power over the Fundamental Signal Bandwidth, is followed to set correspondingly for the acquisition of proper measurement data.
   Set frequency = nominal signal center frequency;
   Set span = 2 X occupied BW;
   Set RBW ≈ 1~5% of the span, not to exceed 1 MHz
   Set VBW = 3 x RBW;
   Select average power (RMS) detector
   Set sweep time and number of measurement points to achieve a minimum of 1 millisecond/pt integration time (ex. Point = 601points, then sweet time = 601*10^-3 = 6s.

   Activate trace averaging routine over a minimum of 10 sweeps;
   Activate marker/span pair and set span = signal or channel bandwidth;
   Activate the band/interval power marker function;
   Record the band power level;
   Record adjusted value as the average signal power level. Then activate the occupied bandwidth measurement function.
   The proper adjustment due to limitation of spectrum capability is given compensated to spectrum with conversion factor of 10*log (TBW/RBW), where TBW is the transmission of UE exceeding the maximum BW UE can extends, and RBW is the resolution BW in UE.

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7.4. Measurement Equipment Used

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Broadband Antenna	TESEQ	CBL 6112D	35243	2017/11/10	2018/11/9
Broadband Antenna	TESEQ	CBL 6112D	35243	2017/11/10	2018/11/9
Horn Antenna	Schwarzbeck	BBHA9120D	1187	2018/01/04	2019/01/03
Horn Antenna	Schwarzbeck	BBHA9120D	1341	2017/05/31	2018/05/30
EMI Test Receiver	R&S	ESU 40	100363	2018/04/11	2019/04/10
Radio Communica-tion Analyer	Anritsu	MT8820C	6201107337	2017/06/11	2018/06/10
Pre-Amplifier	EMC Instruments	EMC330	980096	2017/12/26	2018/12/25
Pre-Amplifier	EMC Instruments	EMC0011830	980199	2017/12/26	2018/12/25
Pre-Amplifier	EMC Instruments	EMC184045B	980135	2017/10/27	2018/10/26
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	2017/12/26	2018/12/25
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	2017/12/26	2018/12/25

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7.5. Measurement Result: (Peak) –using option of peak measurement

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
WCDMA Band II	1852.4	9262	V	8.23	9.58	-7.21	10.60	33.00
			H	20.94	9.58	-7.21	23.31	33.00
	1880.0	9400	V	8.89	9.69	-7.27	11.31	33.00
			H	23.56	9.69	-7.27	25.98	33.00
	1907.6	9538	V	8.78	9.81	-7.33	11.26	33.00
			H	20.31	9.81	-7.33	22.79	33.00
HSDPA Band II	1852.4	9262	V	4.50	9.58	-7.21	6.87	33.00
			H	21.54	9.58	-7.21	23.91	33.00
	1880.0	9400	V	7.45	9.70	-7.27	9.88	33.00
			H	22.26	9.70	-7.27	24.69	33.00
	1907.6	9538	V	8.77	9.81	-7.33	11.25	33.00
			H	20.07	9.81	-7.33	22.55	33.00
HSUPA Band II	1852.4	9262	V	3.15	9.58	-7.21	5.52	33.00
			H	21.85	9.58	-7.21	24.22	33.00
	1880.0	9400	V	6.30	9.70	-7.27	8.73	33.00
			H	22.61	9.70	-7.27	25.04	33.00
	1907.6	9538	V	8.98	9.81	-7.33	11.46	33.00
			H	20.63	9.81	-7.33	23.11	33.00
Remark：	(1)The RBW,VBW of SPA for frequency RBW=300 KHz, VBW=1MHz							

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
WCDMA Band IV	1712.4	1312	V	8.21	6.84	-6.59	8.46	30.00
			H	19.46	6.84	-6.59	19.71	30.00
	1732.6	1413	V	1.12	6.92	-6.62	1.42	30.00
			H	15.67	6.93	-6.62	15.98	30.00
	1752.6	1513	V	1.80	7.01	-6.66	2.15	30.00
			H	17.95	7.01	-6.66	18.30	30.00
HSDPA Band IV	1712.4	1312	V	8.15	6.84	-6.59	8.40	30.00
			H	18.62	6.85	-6.59	18.88	30.00
	1732.6	1413	V	1.04	6.92	-6.62	1.34	30.00
			H	15.99	6.92	-6.62	16.29	30.00
	1752.6	1513	V	1.83	7.01	-6.66	2.18	30.00
			H	17.94	7.01	-6.66	18.29	30.00
HSUPA Band IV	1712.4	1312	V	8.19	6.84	-6.58	8.45	30.00
			H	18.63	6.84	-6.59	18.88	30.00
	1732.6	1413	V	0.92	6.92	-6.62	1.22	30.00
			H	15.73	6.93	-6.62	16.04	30.00
	1752.6	1513	V	2.28	7.01	-6.66	2.63	30.00
			H	17.91	7.01	-6.66	18.26	30.00
Remark：	(1)The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz							

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
WCDMA Band V	826.4	4132	V	2.23	5.13	-4.19	3.17	38.45
			H	0.55	5.13	-4.19	1.49	38.45
	836.6	4183	V	3.26	5.09	-4.23	4.12	38.45
			H	0.48	5.10	-4.23	1.35	38.45
	846.6	4233	V	3.86	5.06	-4.26	4.66	38.45
			H	1.56	5.06	-4.26	2.36	38.45
HSDPA Band V	826.4	4132	V	2.39	5.13	-4.19	3.33	38.45
			H	0.66	5.13	-4.18	1.61	38.45
	836.6	4183	V	3.19	5.10	-4.23	4.06	38.45
			H	0.90	5.10	-4.23	1.77	38.45
	846.6	4233	V	3.80	5.06	-4.26	4.60	38.45
			H	-0.35	5.06	-4.26	0.45	38.45
HSUPA Band V	826.4	4132	V	2.27	5.13	-4.18	3.22	38.45
			H	0.37	5.13	-4.19	1.31	38.45
	836.6	4183	V	3.11	5.09	-4.23	3.97	38.45
			H	0.57	5.10	-4.22	1.45	38.45
	846.6	4233	V	3.78	5.06	-4.26	4.58	38.45
			H	1.56	5.06	-4.26	2.36	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW=300 KHz, VBW=1MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 1.4M QPSK RB: 1,0	1850.7	18607	V	8.30	7.42	-6.86	8.86	33.01
			H	20.74	7.42	-6.86	21.30	33.01
	1880.0	18900	V	-1.11	7.54	-6.91	-0.48	33.01
			H	20.19	7.55	-6.91	20.83	33.01
	1909.3	19193	V	-2.94	7.67	-6.97	-2.24	33.01
			H	18.95	7.67	-6.97	19.65	33.01
LTE BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	7.78	7.43	-6.86	8.35	33.01
			H	20.58	7.42	-6.86	21.14	33.01
	1880.0	18900	V	0.64	7.55	-6.91	1.28	33.01
			H	20.46	7.55	-6.91	21.10	33.01
	1909.3	19193	V	-5.36	7.67	-6.97	-4.66	33.01
			H	18.98	7.67	-6.97	19.68	33.01
LTE BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	7.92	7.42	-6.86	8.48	33.01
			H	20.60	7.42	-6.86	21.16	33.01
	1880.0	18900	V	-0.83	7.55	-6.91	-0.19	33.01
			H	20.59	7.55	-6.91	21.23	33.01
	1909.3	19193	V	-3.74	7.67	-6.97	-3.04	33.01
			H	19.18	7.67	-6.97	19.88	33.01
LTE BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	8.02	7.43	-6.86	8.59	33.01
			H	20.74	7.43	-6.86	21.31	33.01
	1880.0	18900	V	-0.47	7.55	-6.91	0.17	33.01
			H	20.66	7.55	-6.91	21.30	33.01
	1909.3	19193	V	-3.81	7.67	-6.97	-3.11	33.01
			H	19.15	7.67	-6.97	19.85	33.01
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 3M QPSK RB: 1,0	1851.5	18615	V	7.70	7.42	-6.86	8.26	33.01
			H	20.55	7.42	-6.86	21.11	33.01
	1880.0	18900	V	-0.62	7.54	-6.91	0.01	33.01
			H	20.38	7.54	-6.91	21.01	33.01
	1908.5	19185	V	-4.68	7.66	-6.96	-3.98	33.01
			H	19.40	7.66	-6.96	20.10	33.01
LTE BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	7.47	7.43	-6.86	8.04	33.01
			H	20.67	7.43	-6.86	21.24	33.01
	1880.0	18900	V	1.74	7.55	-6.91	2.38	33.01
			H	20.61	7.55	-6.91	21.25	33.01
	1908.5	19185	V	-5.27	7.67	-6.97	-4.57	33.01
			H	19.06	7.67	-6.97	19.76	33.01
LTE BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	8.17	7.42	-6.86	8.73	33.01
			H	20.95	7.42	-6.86	21.51	33.01
	1880.0	18900	V	-1.37	7.54	-6.91	-0.74	33.01
			H	20.80	7.54	-6.91	21.43	33.01
	1908.5	19185	V	-2.90	7.66	-6.96	-2.20	33.01
			H	19.50	7.66	-6.96	20.20	33.01
LTE BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	7.55	7.43	-6.86	8.12	33.01
			H	21.01	7.43	-6.86	21.58	33.01
	1880.0	18900	V	0.60	7.55	-6.92	1.23	33.01
			H	20.91	7.55	-6.91	21.55	33.01
	1908.5	19185	V	-5.33	7.67	-6.97	-4.63	33.01
			H	19.34	7.67	-6.97	20.04	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 5M QPSK RB: 1,0	1852.5	18625	V	8.82	7.42	-6.86	9.38	33.01
			H	20.71	7.42	-6.86	21.27	33.01
	1880.0	18900	V	-3.72	7.54	-6.91	-3.09	33.01
			H	19.93	7.54	-6.91	20.56	33.01
	1907.5	19175	V	-1.79	7.65	-6.96	-1.10	33.01
			H	19.13	7.65	-6.96	19.82	33.01
LTE BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	7.79	7.44	-6.86	8.37	33.01
			H	20.22	7.44	-6.86	20.80	33.01
	1880.0	18900	V	1.64	7.55	-6.92	2.27	33.01
			H	20.44	7.56	-6.92	21.08	33.01
	1907.5	19175	V	-4.69	7.67	-6.97	-3.99	33.01
			H	18.78	7.67	-6.97	19.48	33.01
LTE BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	8.17	7.42	-6.86	8.73	33.01
			H	20.49	7.42	-6.86	21.05	33.01
	1880.0	18900	V	-2.99	7.53	-6.91	-2.37	33.01
			H	20.14	7.54	-6.91	20.77	33.01
	1907.5	19175	V	-1.14	7.65	-6.96	-0.45	33.01
			H	19.20	7.65	-6.96	19.89	33.01
LTE BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	7.74	7.44	-6.86	8.32	33.01
			H	20.35	7.44	-6.86	20.93	33.01
	1880.0	18900	V	2.53	7.56	-6.92	3.17	33.01
			H	20.63	7.56	-6.92	21.27	33.01
	1907.5	19175	V	-6.71	7.67	-6.97	-6.01	33.01
			H	18.98	7.67	-6.97	19.68	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 10M QPSK RB: 1,0	1855.0	18650	V	7.15	7.42	-6.86	7.71	33.01
			H	20.09	7.42	-6.86	20.65	33.01
	1880.0	18900	V	-9.82	7.53	-6.90	-9.19	33.01
			H	19.82	7.53	-6.90	20.45	33.01
	1905.0	19150	V	1.06	7.63	-6.95	1.74	33.01
			H	19.01	7.63	-6.95	19.69	33.01
LTE BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	7.22	7.46	-6.87	7.81	33.01
			H	21.16	7.46	-6.87	21.75	33.01
	1880.0	18900	V	2.17	7.57	-6.92	2.82	33.01
			H	20.83	7.57	-6.92	21.48	33.01
	1905.0	19150	V	-2.83	7.67	-6.97	-2.13	33.01
			H	18.81	7.67	-6.97	19.51	33.01
LTE BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	7.29	7.42	-6.86	7.85	33.01
			H	20.31	7.42	-6.86	20.87	33.01
	1880.0	18900	V	-11.86	7.53	-6.91	-11.24	33.01
			H	20.02	7.53	-6.90	20.65	33.01
	1905.0	19150	V	1.55	7.63	-6.95	2.23	33.01
			H	19.39	7.63	-6.95	20.07	33.01
LTE BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	7.37	7.46	-6.87	7.96	33.01
			H	21.32	7.46	-6.87	21.91	33.01
	1880.0	18900	V	1.23	7.57	-6.92	1.88	33.01
			H	21.02	7.57	-6.92	21.67	33.01
	1905.0	19150	V	-4.12	7.67	-6.97	-3.42	33.01
			H	18.98	7.67	-6.97	19.68	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 15M QPSK RB: 1,0	1857.5	18675	V	7.63	7.42	-6.86	8.19	33.01
			H	20.37	7.42	-6.86	20.93	33.01
	1880.0	18900	V	-7.55	7.51	-6.90	-6.94	33.01
			H	19.64	7.52	-6.90	20.26	33.01
	1902.5	19125	V	3.32	7.61	-6.94	3.99	33.01
			H	19.60	7.61	-6.94	20.27	33.01
LTE BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	5.17	7.48	-6.88	5.77	33.01
			H	20.61	7.48	-6.88	21.21	33.01
	1880.0	18900	V	1.75	7.58	-6.93	2.40	33.01
			H	20.59	7.57	-6.92	21.24	33.01
	1902.5	19125	V	-1.95	7.67	-6.97	-1.25	33.01
			H	18.88	7.67	-6.97	19.58	33.01
LTE BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	7.52	7.43	-6.86	8.09	33.01
			H	20.36	7.42	-6.86	20.92	33.01
	1880.0	18900	V	-6.66	7.52	-6.90	-6.04	33.01
			H	20.05	7.52	-6.90	20.67	33.01
	1902.5	19125	V	3.37	7.61	-6.94	4.04	33.01
			H	19.99	7.61	-6.94	20.66	33.01
LTE BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	4.93	7.48	-6.88	5.53	33.01
			H	20.53	7.48	-6.88	21.13	33.01
	1880.0	18900	V	3.25	7.58	-6.93	3.90	33.01
			H	20.66	7.57	-6.93	21.30	33.01
	1902.5	19125	V	-3.78	7.66	-6.96	-3.08	33.01
			H	19.05	7.67	-6.97	19.75	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 2 BW: 20M QPSK RB: 1,0	1860.0	18700	V	7.26	7.43	-6.86	7.83	33.01
			H	20.32	7.42	-6.86	20.88	33.01
	1880.0	18900	V	-3.85	7.51	-6.90	-3.24	33.01
			H	20.46	7.51	-6.90	21.07	33.01
	1900.0	19100	V	4.22	7.59	-6.93	4.88	33.01
			H	20.65	7.59	-6.93	21.31	33.01
LTE BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	-1.22	7.50	-6.89	-0.61	33.01
			H	21.08	7.50	-6.89	21.69	33.01
	1880.0	18900	V	3.85	7.58	-6.93	4.50	33.01
			H	20.37	7.58	-6.93	21.02	33.01
	1900.0	19100	V	-5.12	7.67	-6.97	-4.42	33.01
			H	18.96	7.67	-6.97	19.66	33.01
LTE BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	7.53	7.42	-6.86	8.09	33.01
			H	20.57	7.43	-6.86	21.14	33.01
	1880.0	18900	V	-3.77	7.51	-6.90	-3.16	33.01
			H	20.78	7.51	-6.90	21.39	33.01
	1900.0	19100	V	4.22	7.60	-6.93	4.89	33.01
			H	20.69	7.60	-6.93	21.36	33.01
LTE BAND 2 BW: 15M 16QAM RB: 1,99	1860.0	18700	V	-1.55	7.50	-6.89	-0.94	33.01
			H	21.05	7.50	-6.89	21.66	33.01
	1880.0	18900	V	3.76	7.58	-6.93	4.41	33.01
			H	20.31	7.59	-6.93	20.97	33.01
	1900.0	19100	V	-4.59	7.67	-6.97	-3.89	33.01
			H	19.08	7.67	-6.97	19.78	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 1.4M QPSK RB: 1,0	1710.7	19957	V	10.35	6.83	-6.58	10.60	30.00
			H	19.23	6.83	-6.58	19.48	30.00
	1732.5	20175	V	1.58	6.92	-6.62	1.88	30.00
			H	15.75	6.93	-6.62	16.06	30.00
	1754.3	20393	V	3.49	7.02	-6.67	3.84	30.00
			H	19.95	7.01	-6.67	20.29	30.00
LTE BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	9.53	6.84	-6.58	9.79	30.00
			H	18.66	6.84	-6.58	18.92	30.00
	1732.5	20175	V	0.97	6.93	-6.63	1.27	30.00
			H	15.60	6.93	-6.63	15.90	30.00
	1754.3	20393	V	3.23	7.02	-6.67	3.58	30.00
			H	19.89	7.02	-6.67	20.24	30.00
LTE BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	9.22	6.83	-6.58	9.47	30.00
			H	18.36	6.83	-6.58	18.61	30.00
	1732.5	20175	V	2.04	6.92	-6.62	2.34	30.00
			H	16.14	6.93	-6.62	16.45	30.00
	1754.3	20393	V	3.66	7.02	-6.67	4.01	30.00
			H	20.13	7.02	-6.67	20.48	30.00
LTE BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	9.40	6.84	-6.58	9.66	30.00
			H	19.01	6.84	-6.58	19.27	30.00
	1732.5	20175	V	0.92	6.93	-6.63	1.22	30.00
			H	16.11	6.93	-6.63	16.41	30.00
	1754.3	20393	V	3.31	7.02	-6.67	3.66	30.00
			H	20.00	7.02	-6.67	20.35	30.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 3M QPSK RB: 1,0	1711.5	19965	V	7.47	6.83	-6.58	7.72	30.00
			H	19.41	6.83	-6.58	19.66	30.00
	1732.5	20175	V	2.58	6.92	-6.62	2.88	30.00
			H	16.01	6.92	-6.62	16.31	30.00
	1753.5	20385	V	7.86	7.01	-6.66	8.21	30.00
			H	20.15	7.01	-6.66	20.50	30.00
LTE BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	8.35	6.85	-6.59	8.61	30.00
			H	20.23	6.84	-6.59	20.48	30.00
	1732.5	20175	V	3.09	6.93	-6.63	3.39	30.00
			H	15.85	6.93	-6.63	16.15	30.00
	1753.5	20385	V	6.77	7.02	-6.67	7.12	30.00
			H	19.86	7.02	-6.67	20.21	30.00
LTE BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	7.61	6.83	-6.58	7.86	30.00
			H	18.43	6.83	-6.58	18.68	30.00
	1732.5	20175	V	2.99	6.92	-6.62	3.29	30.00
			H	16.54	6.92	-6.62	16.84	30.00
	1753.5	20385	V	8.14	7.01	-6.66	8.49	30.00
			H	20.24	7.01	-6.66	20.59	30.00
LTE BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	8.88	6.84	-6.59	9.13	30.00
			H	20.41	6.85	-6.59	20.67	30.00
	1732.5	20175	V	3.78	6.93	-6.63	4.08	30.00
			H	16.19	6.93	-6.63	16.49	30.00
	1753.5	20385	V	7.17	7.02	-6.67	7.52	30.00
			H	20.03	7.02	-6.67	20.38	30.00

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 5M QPSK RB: 1,0	1712.5	19975	V	8.60	6.83	-6.58	8.85	30.00
			H	18.03	6.83	-6.58	18.28	30.00
	1732.5	20175	V	3.03	6.92	-6.62	3.33	30.00
			H	15.85	6.92	-6.62	16.15	30.00
	1752.5	20375	V	8.65	7.00	-6.66	8.99	30.00
			H	20.08	7.00	-6.66	20.42	30.00
LTE BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	7.78	6.85	-6.59	8.04	30.00
			H	20.43	6.85	-6.59	20.69	30.00
	1732.5	20175	V	3.29	6.94	-6.63	3.60	30.00
			H	15.68	6.94	-6.63	15.99	30.00
	1752.5	20375	V	7.10	7.02	-6.67	7.45	30.00
			H	19.80	7.02	-6.67	20.15	30.00
LTE BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	7.29	6.84	-6.58	7.55	30.00
			H	18.43	6.83	-6.58	18.68	30.00
	1732.5	20175	V	3.13	6.92	-6.62	3.43	30.00
			H	16.40	6.91	-6.62	16.69	30.00
	1752.5	20375	V	8.75	7.00	-6.66	9.09	30.00
			H	20.29	7.00	-6.66	20.63	30.00
LTE BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	8.15	6.85	-6.59	8.41	30.00
			H	20.70	6.85	-6.59	20.96	30.00
	1732.5	20175	V	3.83	6.94	-6.63	4.14	30.00
			H	16.27	6.94	-6.63	16.58	30.00
	1752.5	20375	V	7.34	7.02	-6.67	7.69	30.00
			H	20.00	7.02	-6.67	20.35	30.00

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 10M QPSK RB: 1,0	1715.0	20000	V	11.63	6.84	-6.58	11.89	30.00
			H	18.42	6.83	-6.58	18.67	30.00
	1732.0	20175	V	8.37	6.91	-6.62	8.66	30.00
			H	16.48	6.91	-6.62	16.77	30.00
	1750.0	20350	V	11.48	6.98	-6.65	11.81	30.00
			H	19.55	6.98	-6.65	19.88	30.00
LTE BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	11.27	6.87	-6.60	11.54	30.00
			H	19.75	6.87	-6.60	20.02	30.00
	1732.0	20175	V	8.53	6.95	-6.63	8.85	30.00
			H	15.76	6.94	-6.63	16.07	30.00
	1750.0	20350	V	10.56	7.02	-6.67	10.91	30.00
			H	20.00	7.02	-6.67	20.35	30.00
LTE BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	11.69	6.84	-6.58	11.95	30.00
			H	18.51	6.83	-6.58	18.76	30.00
	1732.0	20175	V	9.03	6.91	-6.62	9.32	30.00
			H	17.13	6.91	-6.62	17.42	30.00
	1750.0	20350	V	11.87	6.98	-6.65	12.20	30.00
			H	19.77	6.98	-6.65	20.10	30.00
LTE BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	11.45	6.87	-6.60	11.72	30.00
			H	19.85	6.87	-6.60	20.12	30.00
	1732.0	20175	V	9.15	6.94	-6.63	9.46	30.00
			H	16.35	6.94	-6.63	16.66	30.00
	1750.0	20350	V	10.91	7.02	-6.67	11.26	30.00
			H	20.06	7.02	-6.67	20.41	30.00

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 15M QPSK RB: 1,0	1717.5	20025	V	13.19	6.83	-6.58	13.44	30.00
			H	18.42	6.83	-6.58	18.67	30.00
	1732.5	20175	V	9.89	6.90	-6.61	10.18	30.00
			H	17.07	6.90	-6.61	17.36	30.00
	1747.5	20325	V	10.00	6.96	-6.64	10.32	30.00
			H	16.43	6.96	-6.64	16.75	30.00
LTE BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	10.19	6.89	-6.61	10.47	30.00
			H	17.71	6.89	-6.61	17.99	30.00
	1732.5	20175	V	9.38	6.95	-6.64	9.69	30.00
			H	16.01	6.95	-6.64	16.32	30.00
	1747.5	20325	V	10.65	7.02	-6.67	11.00	30.00
			H	19.78	7.02	-6.67	20.13	30.00
LTE BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	11.88	6.84	-6.58	12.14	30.00
			H	18.83	6.83	-6.58	19.08	30.00
	1732.5	20175	V	10.02	6.90	-6.61	10.31	30.00
			H	17.61	6.90	-6.61	17.90	30.00
	1747.5	20325	V	10.28	6.96	-6.64	10.60	30.00
			H	16.88	6.96	-6.64	17.20	30.00
LTE BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	10.11	6.89	-6.61	10.39	30.00
			H	18.28	6.89	-6.61	18.56	30.00
	1732.5	20175	V	9.74	6.95	-6.64	10.05	30.00
			H	16.65	6.95	-6.64	16.96	30.00
	1747.5	20325	V	10.52	7.02	-6.67	10.87	30.00
			H	19.57	7.02	-6.67	19.92	30.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 4 BW: 20M QPSK RB: 1,0	1720.0	20050	V	11.71	6.84	-6.58	11.97	30.00
			H	18.40	6.83	-6.58	18.65	30.00
	1732.5	20175	V	9.94	6.89	-6.61	10.22	30.00
			H	18.38	6.89	-6.61	18.66	30.00
	1745.0	20300	V	8.69	6.94	-6.63	9.00	30.00
			H	15.70	6.94	-6.63	16.01	30.00
LTE BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	7.91	6.91	-6.62	8.20	30.00
			H	16.64	6.91	-6.62	16.93	30.00
	1732.5	20175	V	9.56	6.96	-6.64	9.88	30.00
			H	16.87	6.96	-6.64	17.19	30.00
	1745.0	20300	V	10.22	7.02	-6.67	10.57	30.00
			H	19.43	7.02	-6.67	19.78	30.00
LTE BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	11.80	6.84	-6.58	12.06	30.00
			H	18.76	6.84	-6.58	19.02	30.00
	1732.5	20175	V	10.22	6.89	-6.61	10.50	30.00
			H	18.55	6.89	-6.61	18.83	30.00
	1745.0	20300	V	8.82	6.94	-6.63	9.13	30.00
			H	16.38	6.94	-6.63	16.69	30.00
LTE BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	7.99	6.91	-6.62	8.28	30.00
			H	16.85	6.91	-6.62	17.14	30.00
	1732.5	20175	V	10.28	6.96	-6.64	10.60	30.00
			H	17.39	6.96	-6.64	17.71	30.00
	1745.0	20300	V	10.05	7.02	-6.67	10.40	30.00
			H	19.63	7.01	-6.67	19.97	30.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 1.4M QPSK RB: 1,0	824.7	20407	V	8.05	5.14	-4.18	9.01	38.45
			H	6.24	5.14	-4.18	7.20	38.45
	836.5	20525	V	8.93	5.10	-4.22	9.81	38.45
			H	6.35	5.10	-4.22	7.23	38.45
	848.3	20643	V	10.29	5.06	-4.26	11.09	38.45
			H	8.49	5.06	-4.26	9.29	38.45
LTE BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	7.69	5.13	-4.18	8.64	38.45
			H	5.89	5.13	-4.18	6.84	38.45
	836.5	20525	V	9.81	5.09	-4.23	10.67	38.45
			H	7.15	5.09	-4.23	8.01	38.45
	848.3	20643	V	9.98	5.06	-4.26	10.78	38.45
			H	8.39	5.06	-4.27	9.18	38.45
LTE BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	8.72	5.14	-4.18	9.68	38.45
			H	7.29	5.14	-4.18	8.25	38.45
	836.5	20525	V	10.32	5.10	-4.23	11.19	38.45
			H	7.44	5.10	-4.22	8.32	38.45
	848.3	20643	V	10.80	5.06	-4.26	11.60	38.45
			H	8.98	5.06	-4.26	9.78	38.45
LTE BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	8.79	5.13	-4.18	9.74	38.45
			H	6.94	5.13	-4.18	7.89	38.45
	836.5	20525	V	10.02	5.09	-4.23	10.88	38.45
			H	8.08	5.09	-4.23	8.94	38.45
	848.3	20643	V	10.19	5.06	-4.26	10.99	38.45
			H	8.52	5.06	-4.26	9.32	38.45
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 3M QPSK RB: 1,0	825.5	20415	V	7.92	5.14	-4.18	8.88	38.45
			H	5.63	5.14	-4.18	6.59	38.45
	836.5	20525	V	9.15	5.10	-4.22	10.03	38.45
			H	5.54	5.10	-4.22	6.42	38.45
	847.5	20635	V	9.56	5.06	-4.26	10.36	38.45
			H	7.40	5.06	-4.26	8.20	38.45
LTE BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	7.57	5.13	-4.19	8.51	38.45
			H	5.57	5.13	-4.19	6.51	38.45
	836.5	20525	V	9.55	5.09	-4.23	10.41	38.45
			H	6.09	5.09	-4.23	6.95	38.45
	847.5	20635	V	9.15	5.06	-4.26	9.95	38.45
			H	7.43	5.06	-4.27	8.22	38.45
LTE BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	9.08	5.14	-4.18	10.04	38.45
			H	6.57	5.13	-4.19	7.51	38.45
	836.5	20525	V	9.25	5.10	-4.22	10.13	38.45
			H	7.79	5.09	-4.23	8.65	38.45
	847.5	20635	V	10.66	5.06	-4.26	11.46	38.45
			H	8.43	5.06	-4.27	9.22	38.45
LTE BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	8.56	5.13	-4.19	9.50	38.45
			H	6.61	5.13	-4.19	7.55	38.45
	836.5	20525	V	9.74	5.09	-4.23	10.60	38.45
			H	7.78	5.09	-4.23	8.64	38.45
	847.5	20635	V	10.09	5.06	-4.26	10.89	38.45
			H	8.43	5.06	-4.27	9.22	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 5M QPSK RB: 1,0	826.5	20425	V	7.87	5.13	-4.18	8.82	38.45
			H	6.35	5.14	-4.18	7.31	38.45
	836.5	20525	V	8.00	5.10	-4.22	8.88	38.45
			H	5.61	5.10	-4.22	6.49	38.45
	846.5	20625	V	9.54	5.07	-4.25	10.36	38.45
			H	7.48	5.07	-4.25	8.30	38.45
LTE BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	8.53	5.12	-4.20	9.45	38.45
			H	6.30	5.12	-4.19	7.23	38.45
	836.5	20525	V	8.96	5.09	-4.23	9.82	38.45
			H	6.26	5.09	-4.23	7.12	38.45
	846.5	20625	V	9.04	5.05	-4.27	9.82	38.45
			H	7.42	5.06	-4.26	8.22	38.45
LTE BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	8.31	5.14	-4.18	9.27	38.45
			H	7.39	5.14	-4.18	8.35	38.45
	836.5	20525	V	9.34	5.10	-4.22	10.22	38.45
			H	6.98	5.10	-4.22	7.86	38.45
	846.5	20625	V	9.89	5.07	-4.25	10.71	38.45
			H	7.71	5.07	-4.25	8.53	38.45
LTE BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	9.60	5.12	-4.20	10.52	38.45
			H	7.31	5.12	-4.19	8.24	38.45
	836.5	20525	V	10.20	5.09	-4.23	11.06	38.45
			H	7.47	5.09	-4.23	8.33	38.45
	846.5	20625	V	10.35	5.06	-4.26	11.15	38.45
			H	8.56	5.06	-4.26	9.36	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 5 BW: 10M QPSK RB: 1,0	829.0	20450	V	8.30	5.14	-4.18	9.26	38.45
			H	5.70	5.14	-4.18	6.66	38.45
	836.5	20525	V	8.70	5.11	-4.21	9.60	38.45
			H	6.07	5.11	-4.21	6.97	38.45
	844.0	20600	V	9.24	5.09	-4.24	10.09	38.45
			H	6.59	5.09	-4.24	7.44	38.45
LTE BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	8.28	5.11	-4.21	9.18	38.45
			H	5.81	5.11	-4.21	6.71	38.45
	836.5	20525	V	8.87	5.08	-4.24	9.71	38.45
			H	6.51	5.08	-4.24	7.35	38.45
	844.0	20600	V	9.08	5.06	-4.26	9.88	38.45
			H	7.37	5.06	-4.26	8.17	38.45
LTE BAND 5 BW: 10M 16QAM RB: 1,0	829.0	20450	V	8.33	5.14	-4.18	9.29	38.45
			H	5.72	5.14	-4.18	6.68	38.45
	836.5	20525	V	8.90	5.11	-4.21	9.80	38.45
			H	6.12	5.11	-4.21	7.02	38.45
	844.0	20600	V	8.37	5.09	-4.24	9.22	38.45
			H	6.61	5.09	-4.24	7.46	38.45
LTE BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	8.36	5.11	-4.21	9.26	38.45
			H	5.84	5.11	-4.21	6.74	38.45
	836.5	20525	V	8.07	5.08	-4.24	8.91	38.45
			H	6.57	5.08	-4.24	7.41	38.45
	844.0	20600	V	9.20	5.06	-4.26	10.00	38.45
			H	7.37	5.06	-4.27	8.16	38.45
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 5M QPSK RB: 1,0	2502.5	20775	V	14.12	8.55	-7.83	14.84	33.01
			H	19.42	8.55	-7.83	20.14	33.01
	2535.0	21100	V	11.50	8.59	-7.87	12.22	33.01
			H	19.32	8.59	-7.87	20.04	33.01
	2567.5	21425	V	11.88	8.63	-7.90	12.61	33.01
			H	19.06	8.63	-7.90	19.79	33.01
LTE BAND 7 BW: 5M QPSK RB: 1,24	2502.5	20775	V	12.76	8.56	-7.84	13.48	33.01
			H	18.23	8.56	-7.83	18.96	33.01
	2535.0	21100	V	12.05	8.59	-7.87	12.77	33.01
			H	20.10	8.59	-7.87	20.82	33.01
	2567.5	21425	V	10.17	8.63	-7.91	10.89	33.01
			H	17.28	8.63	-7.91	18.00	33.01
LTE BAND 7 BW: 5M 16QAM RB: 1,0	2502.5	20775	V	13.37	8.55	-7.83	14.09	33.01
			H	18.67	8.55	-7.83	19.39	33.01
	2535.0	21100	V	11.13	8.59	-7.87	11.85	33.01
			H	19.50	8.59	-7.87	20.22	33.01
	2567.5	21425	V	11.90	8.63	-7.90	12.63	33.01
			H	19.24	8.63	-7.90	19.97	33.01
LTE BAND 7 BW: 5M 16QAM RB: 1,24	2502.5	20775	V	13.59	8.56	-7.84	14.31	33.01
			H	18.32	8.56	-7.83	19.05	33.01
	2535.0	21100	V	12.32	8.59	-7.87	13.04	33.01
			H	20.18	8.59	-7.87	20.90	33.01
	2567.5	21425	V	10.82	8.63	-7.91	11.54	33.01
			H	17.85	8.63	-7.91	18.57	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 10M QPSK RB: 1,0	2505.0	20800	V	13.86	8.55	-7.83	14.58	33.01
			H	19.08	8.55	-7.83	19.80	33.01
	2535.0	21100	V	10.75	8.59	-7.86	11.48	33.01
			H	19.44	8.59	-7.86	20.17	33.01
	2565.0	21400	V	11.42	8.62	-7.90	12.14	33.01
			H	19.19	8.62	-7.90	19.91	33.01
LTE BAND 7 BW: 10M QPSK RB: 1,49	2505.0	20800	V	12.99	8.56	-7.84	13.71	33.01
			H	19.20	8.56	-7.84	19.92	33.01
	2535.0	21100	V	12.60	8.60	-7.87	13.33	33.01
			H	20.99	8.60	-7.87	21.72	33.01
	2565.0	21400	V	10.10	8.63	-7.91	10.82	33.01
			H	17.40	8.63	-7.91	18.12	33.01
LTE BAND 7 BW: 10M 16QAM RB: 1,0	2505.0	20800	V	12.50	8.55	-7.83	13.22	33.01
			H	18.90	8.55	-7.83	19.62	33.01
	2535.0	21100	V	10.97	8.59	-7.86	11.70	33.01
			H	19.40	8.59	-7.86	20.13	33.01
	2565.0	21400	V	11.51	8.62	-7.90	12.23	33.01
			H	19.14	8.62	-7.90	19.86	33.01
LTE BAND 7 BW: 10M 16QAM RB: 1,49	2505.0	20800	V	12.98	8.56	-7.84	13.70	33.01
			H	19.21	8.56	-7.84	19.93	33.01
	2535.0	21100	V	12.70	8.60	-7.87	13.43	33.01
			H	21.14	8.60	-7.87	21.87	33.01
	2565.0	21400	V	10.63	8.63	-7.91	11.35	33.01
			H	18.02	8.63	-7.91	18.74	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 15M QPSK RB: 1,0	2507.5	20825	V	16.99	8.55	-7.83	17.71	33.01
			H	18.31	8.55	-7.83	19.03	33.01
	2535.0	21100	V	13.99	8.58	-7.86	14.71	33.01
			H	18.40	8.58	-7.86	19.12	33.01
	2562.5	21375	V	14.91	8.62	-7.89	15.64	33.01
			H	18.85	8.62	-7.89	19.58	33.01
LTE BAND 7 BW: 15M QPSK RB: 1,74	2507.5	20825	V	16.82	8.57	-7.85	17.54	33.01
			H	18.80	8.57	-7.85	19.52	33.01
	2535.0	21100	V	15.27	8.60	-7.88	15.99	33.01
			H	19.64	8.60	-7.88	20.36	33.01
	2562.5	21375	V	11.85	8.63	-7.91	12.57	33.01
			H	17.39	8.63	-7.91	18.11	33.01
LTE BAND 7 BW: 15M 16QAM RB: 1,0	2507.5	20825	V	16.41	8.55	-7.83	17.13	33.01
			H	18.62	8.55	-7.83	19.34	33.01
	2535.0	21100	V	14.20	8.58	-7.86	14.92	33.01
			H	18.46	8.58	-7.86	19.18	33.01
	2562.5	21375	V	15.11	8.62	-7.89	15.84	33.01
			H	18.95	8.62	-7.89	19.68	33.01
LTE BAND 7 BW: 15M 16QAM RB: 1,74	2507.5	20825	V	16.80	8.57	-7.85	17.52	33.01
			H	17.91	8.57	-7.85	18.63	33.01
	2535.0	21100	V	15.47	8.60	-7.88	16.19	33.01
			H	20.14	8.60	-7.88	20.86	33.01
	2562.5	21375	V	12.51	8.63	-7.91	13.23	33.01
			H	18.42	8.63	-7.91	19.14	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 7 BW: 20M QPSK RB: 1,0	2510.0	20850	V	20.78	8.55	-7.83	21.50	33.01
			H	10.18	8.55	-7.83	10.90	33.01
	2535.0	21100	V	14.41	8.58	-7.86	15.13	33.01
			H	8.88	8.58	-7.86	9.60	33.01
	2560.0	21350	V	16.42	8.61	-7.89	17.14	33.01
			H	9.86	8.61	-7.89	10.58	33.01
LTE BAND 7 BW: 20M QPSK RB: 1,99	2510.0	20850	V	14.76	8.57	-7.85	15.48	33.01
			H	8.49	8.57	-7.85	9.21	33.01
	2535.0	21100	V	15.88	8.60	-7.88	16.60	33.01
			H	8.93	8.60	-7.88	9.65	33.01
	2560.0	21350	V	12.08	8.63	-7.91	12.80	33.01
			H	8.26	8.63	-7.91	8.98	33.01
LTE BAND 7 BW: 20M 16QAM RB: 1,0	2510.0	20850	V	16.74	8.55	-7.83	17.46	33.01
			H	8.78	8.55	-7.83	9.50	33.01
	2535.0	21100	V	14.84	8.58	-7.86	15.56	33.01
			H	9.97	8.58	-7.86	10.69	33.01
	2560.0	21350	V	16.80	8.61	-7.89	17.52	33.01
			H	10.39	8.61	-7.89	11.11	33.01
LTE BAND 7 BW: 20M 16QAM RB: 1,99	2510.0	20850	V	16.56	8.57	-7.85	17.28	33.01
			H	9.24	8.57	-7.85	9.96	33.01
	2535.0	21100	V	16.24	8.60	-7.88	16.96	33.01
			H	9.29	8.60	-7.88	10.01	33.01
	2560.0	21350	V	12.98	8.63	-7.91	13.70	33.01
			H	9.04	8.63	-7.91	9.76	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 1.4M QPSK RB: 1,0	699.7	23017	V	-0.10	5.05	-3.82	1.13	34.77
			H	2.63	5.06	-3.82	3.87	34.77
	707.5	23095	V	-0.04	5.07	-3.84	1.19	34.77
			H	1.56	5.07	-3.84	2.79	34.77
	715.3	23173	V	1.36	5.09	-3.86	2.59	34.77
			H	3.57	5.09	-3.87	4.79	34.77
LTE BAND 12 BW: 1.4M QPSK RB: 1,5	699.7	23017	V	-0.51	5.06	-3.82	0.73	34.77
			H	2.21	5.06	-3.82	3.45	34.77
	707.5	23095	V	-0.01	5.08	-3.84	1.23	34.77
			H	1.75	5.08	-3.84	2.99	34.77
	715.3	23173	V	0.63	5.09	-3.87	1.85	34.77
			H	3.10	5.10	-3.88	4.32	34.77
LTE BAND 12 BW: 1.4M 16QAM RB: 1,0	699.7	23017	V	0.92	5.05	-3.82	2.15	34.77
			H	3.78	5.05	-3.82	5.01	34.77
	707.5	23095	V	0.92	5.07	-3.84	2.15	34.77
			H	2.57	5.07	-3.84	3.80	34.77
	715.3	23173	V	1.58	5.09	-3.87	2.80	34.77
			H	3.81	5.09	-3.87	5.03	34.77
LTE BAND 12 BW: 1.4M 16QAM RB: 1,5	699.7	23017	V	0.56	5.06	-3.82	1.80	34.77
			H	3.30	5.06	-3.82	4.54	34.77
	707.5	23095	V	0.95	5.08	-3.84	2.19	34.77
			H	2.77	5.08	-3.84	4.01	34.77
	715.3	23173	V	1.79	5.09	-3.87	3.01	34.77
			H	4.09	5.09	-3.87	5.31	34.77

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 3M QPSK RB: 1,0	700.5	23025	V	-0.43	5.05	-3.82	0.80	34.77
			H	5.07	5.06	-3.82	6.31	34.77
	707.5	23095	V	-0.01	5.07	-3.84	1.22	34.77
			H	3.69	5.07	-3.84	4.92	34.77
	714.5	23165	V	0.89	5.09	-3.86	2.12	34.77
			H	4.49	5.09	-3.86	5.72	34.77
LTE BAND 12 BW: 3M QPSK RB: 1,14	700.5	23025	V	-1.17	5.06	-3.82	0.07	34.77
			H	3.34	5.07	-3.83	4.58	34.77
	707.5	23095	V	-0.73	5.08	-3.85	0.50	34.77
			H	2.70	5.08	-3.85	3.93	34.77
	714.5	23165	V	0.76	5.09	-3.87	1.98	34.77
			H	4.39	5.09	-3.87	5.61	34.77
LTE BAND 12 BW: 3M 16QAM RB: 1,0	700.5	23025	V	1.14	5.05	-3.82	2.37	34.77
			H	6.11	5.05	-3.82	7.34	34.77
	707.5	23095	V	0.92	5.07	-3.84	2.15	34.77
			H	4.67	5.07	-3.84	5.90	34.77
	714.5	23165	V	1.75	5.09	-3.86	2.98	34.77
			H	5.36	5.09	-3.86	6.59	34.77
LTE BAND 12 BW: 3M 16QAM RB: 1,14	700.5	23025	V	0.19	5.06	-3.83	1.42	34.77
			H	4.95	5.06	-3.83	6.18	34.77
	707.5	23095	V	0.28	5.08	-3.85	1.51	34.77
			H	3.98	5.08	-3.85	5.21	34.77
	714.5	23165	V	1.65	5.09	-3.87	2.87	34.77
			H	5.28	5.09	-3.87	6.50	34.77

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 5M QPSK RB: 1,0	701.5	23035	V	0.63	5.06	-3.82	1.87	34.77
			H	5.10	5.05	-3.82	6.33	34.77
	707.5	23095	V	1.53	5.07	-3.84	2.76	34.77
			H	3.99	5.07	-3.84	5.22	34.77
	713.5	23155	V	-1.02	5.08	-3.85	0.21	34.77
			H	3.60	5.08	-3.85	4.83	34.77
LTE BAND 12 BW: 5M QPSK RB: 1,24	701.5	23035	V	-1.28	5.07	-3.83	-0.04	34.77
			H	3.30	5.07	-3.83	4.54	34.77
	707.5	23095	V	-1.01	5.08	-3.85	0.22	34.77
			H	2.84	5.08	-3.85	4.07	34.77
	713.5	23155	V	0.66	5.09	-3.87	1.88	34.77
			H	4.41	5.09	-3.87	5.63	34.77
LTE BAND 12 BW: 5M 16QAM RB: 1,0	701.5	23035	V	0.86	5.05	-3.82	2.09	34.77
			H	6.05	5.05	-3.82	7.28	34.77
	707.5	23095	V	0.87	5.07	-3.84	2.10	34.77
			H	4.96	5.07	-3.84	6.19	34.77
	713.5	23155	V	-0.04	5.08	-3.86	1.18	34.77
			H	3.81	5.08	-3.85	5.04	34.77
LTE BAND 12 BW: 5M 16QAM RB: 1,24	701.5	23035	V	0.30	5.07	-3.83	1.54	34.77
			H	4.10	5.07	-3.83	5.34	34.77
	707.5	23095	V	0.00	5.08	-3.85	1.23	34.77
			H	3.93	5.08	-3.85	5.16	34.77
	713.5	23155	V	1.55	5.09	-3.87	2.77	34.77
			H	5.33	5.09	-3.87	6.55	34.77

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 12 BW: 10M QPSK RB: 1,0	704.0	23060	V	8.30	5.14	-4.18	9.26	34.77
			H	5.70	5.14	-4.18	6.66	34.77
	707.5	23095	V	8.70	5.11	-4.21	9.60	34.77
			H	6.07	5.11	-4.21	6.97	34.77
	711.0	23130	V	9.24	5.09	-4.24	10.09	34.77
			H	6.59	5.09	-4.24	7.44	34.77
LTE BAND 12 BW: 10M QPSK RB: 1,49	704.0	23060	V	8.28	5.11	-4.21	9.18	34.77
			H	5.81	5.11	-4.21	6.71	34.77
	707.5	23095	V	8.87	5.08	-4.24	9.71	34.77
			H	6.51	5.08	-4.24	7.35	34.77
	711.0	23130	V	9.08	5.06	-4.26	9.88	34.77
			H	7.37	5.06	-4.26	8.17	34.77
LTE BAND 12 BW: 10M 16QAM RB: 1,0	704.0	23060	V	8.33	5.14	-4.18	9.29	34.77
			H	5.72	5.14	-4.18	6.68	34.77
	707.5	23095	V	8.90	5.11	-4.21	9.80	34.77
			H	6.12	5.11	-4.21	7.02	34.77
	711.0	23130	V	8.37	5.09	-4.24	9.22	34.77
			H	6.61	5.09	-4.24	7.46	34.77
LTE BAND 12 BW: 10M 16QAM RB: 1,49	704.0	23060	V	8.36	5.11	-4.21	9.26	34.77
			H	5.84	5.11	-4.21	6.74	34.77
	707.5	23095	V	8.07	5.08	-4.24	8.91	34.77
			H	6.57	5.08	-4.24	7.41	34.77
	711.0	23130	V	9.20	5.06	-4.26	10.00	34.77
			H	7.37	5.06	-4.27	8.16	34.77

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 13 BW: 5M QPSK RB: 1,0	779.5	23205	V	14.05	5.19	-4.04	15.20	34.77
			H	17.43	5.19	-4.04	18.58	34.77
	782.0	23230	V	15.95	5.19	-4.05	17.09	34.77
			H	18.63	5.20	-4.05	19.78	34.77
	784.5	23255	V	14.19	5.20	-4.06	15.33	34.77
			H	17.43	5.20	-4.06	18.57	34.77
LTE BAND 13 BW: 5M QPSK RB: 1,24	779.5	23205	V	14.96	5.20	-4.05	16.11	34.77
			H	18.35	5.20	-4.05	19.50	34.77
	782.0	23230	V	13.55	5.20	-4.06	14.69	34.77
			H	17.06	5.20	-4.06	18.20	34.77
	784.5	23255	V	13.01	5.20	-4.07	14.14	34.77
			H	16.45	5.20	-4.08	17.57	34.77
LTE BAND 13 BW: 5M 16QAM RB: 1,0	779.5	23205	V	14.87	5.19	-4.03	16.03	34.77
			H	18.28	5.19	-4.04	19.43	34.77
	782.0	23230	V	15.26	5.19	-4.05	16.40	34.77
			H	18.47	5.20	-4.05	19.62	34.77
	784.5	23255	V	15.10	5.20	-4.05	16.25	34.77
			H	18.34	5.20	-4.06	19.48	34.77
LTE BAND 13 BW: 5M 16QAM RB: 1,24	779.5	23205	V	14.84	5.20	-4.05	15.99	34.77
			H	18.35	5.20	-4.05	19.50	34.77
	782.0	23230	V	13.97	5.20	-4.06	15.11	34.77
			H	17.53	5.20	-4.07	18.66	34.77
	784.5	23255	V	13.05	5.20	-4.08	14.17	34.77
			H	16.50	5.20	-4.08	17.62	34.77

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 13 BW: 10M QPSK RB: 1,0	782.0	23230	V	14.16	5.19	-4.04	15.31	34.77
			H	17.88	5.19	-4.04	19.03	34.77
LTE BAND 13 BW: 10M QPSK RB: 1,49	782.0	23230	V	12.77	5.20	-4.07	13.90	34.77
			H	16.35	5.20	-4.07	17.48	34.77
LTE BAND 13 BW: 10M 16QAM RB: 1,0	782.0	23230	V	14.98	5.19	-4.04	16.13	34.77
			H	17.85	5.19	-4.04	19.00	34.77
LTE BAND 13 BW: 10M 16QAM RB: 1,49	782.0	23230	V	12.81	5.20	-4.07	13.94	34.77
			H	16.37	5.20	-4.07	17.50	34.77
Remark：	(1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz							

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 17 BW: 5M QPSK RB: 1,0	706.5	23755	V	0.26	5.07	-3.83	1.50	34.77
			H	5.87	5.07	-3.84	7.10	34.77
	710.0	23790	V	0.01	5.08	-3.84	1.25	34.77
			H	10.60	5.08	-3.84	11.84	34.77
	713.5	23825	V	0.55	5.08	-3.85	1.78	34.77
			H	10.79	5.08	-3.85	12.02	34.77
LTE BAND 17 BW: 5M QPSK RB: 1,24	706.5	23755	V	0.21	5.08	-3.85	1.44	34.77
			H	5.91	5.08	-3.85	7.14	34.77
	710.0	23790	V	0.32	5.08	-3.86	1.54	34.77
			H	10.45	5.09	-3.86	11.68	34.77
	713.5	23825	V	2.79	5.09	-3.87	4.01	34.77
			H	11.94	5.09	-3.87	13.16	34.77
LTE BAND 17 BW: 5M 16QAM RB: 1,0	706.5	23755	V	1.20	5.07	-3.83	2.44	34.77
			H	6.65	5.07	-3.83	7.89	34.77
	710.0	23790	V	1.17	5.08	-3.85	2.40	34.77
			H	11.72	5.08	-3.84	12.96	34.77
	713.5	23825	V	2.75	5.09	-3.87	3.97	34.77
			H	10.69	5.08	-3.86	11.91	34.77
LTE BAND 17 BW: 5M 16QAM RB: 1,24	706.5	23755	V	1.13	5.08	-3.85	2.36	34.77
			H	6.78	5.08	-3.85	8.01	34.77
	710.0	23790	V	1.45	5.09	-3.86	2.68	34.77
			H	11.65	5.08	-3.86	12.87	34.77
	713.5	23825	V	2.75	5.09	-3.87	3.97	34.77
			H	11.92	5.09	-3.87	13.14	34.77

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 17 BW: 10M QPSK RB: 1,0	709.0	23780	V	-1.43	5.07	-3.83	-0.19	34.77
			H	10.13	5.07	-3.83	11.37	34.77
	710.0	23790	V	0.36	5.07	-3.84	1.59	34.77
			H	10.36	5.07	-3.84	11.59	34.77
	711.0	23800	V	11.01	5.09	-3.86	12.24	34.77
			H	0.18	5.07	-3.84	1.41	34.77
LTE BAND 17 BW: 10M QPSK RB: 1,49	709.0	23780	V	10.58	5.07	-3.84	11.81	34.77
			H	1.54	5.09	-3.86	2.77	34.77
	710.0	23790	V	11.18	5.09	-3.86	12.41	34.77
			H	0.12	5.09	-3.86	1.35	34.77
	711.0	23800	V	11.15	5.09	-3.86	12.38	34.77
			H	0.27	5.09	-3.87	1.49	34.77
LTE BAND 17 BW: 10M 16QAM RB: 1,0	709.0	23780	V	11.50	5.09	-3.87	12.72	34.77
			H	0.54	5.07	-3.84	1.77	34.77
	710.0	23790	V	10.13	5.07	-3.83	11.37	34.77
			H	0.31	5.07	-3.84	1.54	34.77
	711.0	23800	V	11.51	5.07	-3.84	12.74	34.77
			H	0.19	5.07	-3.84	1.42	34.77
LTE BAND 17 BW: 10M 16QAM RB: 1,49	709.0	23780	V	11.59	5.07	-3.84	12.82	34.77
			H	2.48	5.09	-3.86	3.71	34.77
	710.0	23790	V	11.30	5.09	-3.86	12.53	34.77
			H	1.00	5.09	-3.86	2.23	34.77
	711.0	23800	V	0.38	5.09	-3.87	1.60	34.77
			H	12.46	5.09	-3.87	13.68	34.77

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 25 BW: 1.4M QPSK RB: 1,0	1850.7	26047	V	15.96	7.42	-6.86	16.52	33.01
			H	16.30	7.42	-6.86	16.86	33.01
	1882.5	26365	V	15.41	7.56	-6.92	16.05	33.01
			H	16.76	7.56	-6.92	17.40	33.01
	1914.3	26683	V	11.79	7.69	-6.98	12.50	33.01
			H	15.36	7.69	-6.97	16.08	33.01
LTE BAND 25 BW: 1.4M QPSK RB: 1,5	1850.7	26047	V	15.66	7.43	-6.86	16.23	33.01
			H	16.32	7.43	-6.86	16.89	33.01
	1882.5	26365	V	15.00	7.56	-6.92	15.64	33.01
			H	16.52	7.56	-6.92	17.16	33.01
	1914.3	26683	V	11.55	7.69	-6.98	12.26	33.01
			H	14.81	7.69	-6.98	15.52	33.01
LTE BAND 25 BW: 1.4M 16QAM RB: 1,0	1850.7	26047	V	16.18	7.42	-6.86	16.74	33.01
			H	16.55	7.42	-6.86	17.11	33.01
	1882.5	26365	V	15.54	7.56	-6.92	16.18	33.01
			H	16.66	7.56	-6.92	17.30	33.01
	1914.3	26683	V	11.97	7.69	-6.98	12.68	33.01
			H	15.63	7.69	-6.98	16.34	33.01
LTE BAND 25 BW: 1.4M 16QAM RB: 1,5	1850.7	26047	V	16.30	7.43	-6.86	16.87	33.01
			H	16.42	7.42	-6.86	16.98	33.01
	1882.5	26365	V	15.26	7.56	-6.92	15.90	33.01
			H	16.52	7.56	-6.92	17.16	33.01
	1914.3	26683	V	11.87	7.69	-6.98	12.58	33.01
			H	15.13	7.69	-6.98	15.84	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 25 BW: 3M QPSK RB: 1,0	1851.5	26055	V	16.54	7.42	-6.86	17.10	33.01
			H	17.45	7.42	-6.86	18.01	33.01
	1882.5	26365	V	15.83	7.55	-6.91	16.47	33.01
			H	17.37	7.55	-6.92	18.00	33.01
	1913.5	26675	V	12.52	7.68	-6.97	13.23	33.01
			H	16.18	7.68	-6.97	16.89	33.01
LTE BAND 25 BW: 3M QPSK RB: 1,14	1851.5	26055	V	16.38	7.43	-6.86	16.95	33.01
			H	17.46	7.43	-6.86	18.03	33.01
	1882.5	26365	V	15.14	7.56	-6.92	15.78	33.01
			H	17.43	7.56	-6.92	18.07	33.01
	1913.5	26675	V	11.73	7.69	-6.98	12.44	33.01
			H	15.56	7.69	-6.98	16.27	33.01
LTE BAND 25 BW: 3M 16QAM RB: 1,0	1851.5	26055	V	16.51	7.42	-6.86	17.07	33.01
			H	17.63	7.42	-6.86	18.19	33.01
	1882.5	26365	V	15.88	7.55	-6.91	16.52	33.01
			H	17.61	7.55	-6.91	18.25	33.01
	1913.5	26675	V	12.73	7.68	-6.97	13.44	33.01
			H	16.43	7.68	-6.97	17.14	33.01
LTE BAND 25 BW: 3M 16QAM RB: 1,14	1851.5	26055	V	16.55	7.43	-6.86	17.12	33.01
			H	17.72	7.43	-6.86	18.29	33.01
	1882.5	26365	V	15.34	7.56	-6.92	15.98	33.01
			H	17.61	7.56	-6.92	18.25	33.01
	1913.5	26675	V	12.11	7.69	-6.98	12.82	33.01
			H	15.93	7.69	-6.98	16.64	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 25 BW: 5M QPSK RB: 1,0	1852.5	26065	V	16.23	7.42	-6.86	16.79	33.01
			H	18.21	7.42	-6.86	18.77	33.01
	1882.5	26365	V	15.66	7.55	-6.91	16.30	33.01
			H	17.53	7.55	-6.91	18.17	33.01
	1912.5	26665	V	12.17	7.67	-6.97	12.87	33.01
			H	15.95	7.67	-6.97	16.65	33.01
LTE BAND 25 BW: 5M QPSK RB: 1,24	1852.5	26065	V	16.15	7.44	-6.86	16.73	33.01
			H	17.47	7.44	-6.86	18.05	33.01
	1882.5	26365	V	14.80	7.57	-6.92	15.45	33.01
			H	17.61	7.57	-6.92	18.26	33.01
	1912.5	26665	V	11.80	7.69	-6.98	12.51	33.01
			H	15.97	7.69	-6.98	16.68	33.01
LTE BAND 25 BW: 5M 16QAM RB: 1,0	1852.5	26065	V	16.47	7.42	-6.86	17.03	33.01
			H	17.66	7.42	-6.86	18.22	33.01
	1882.5	26365	V	15.80	7.55	-6.91	16.44	33.01
			H	17.63	7.55	-6.91	18.27	33.01
	1912.5	26665	V	12.21	7.68	-6.97	12.92	33.01
			H	16.05	7.67	-6.97	16.75	33.01
LTE BAND 25 BW: 5M 16QAM RB: 1,24	1852.5	26065	V	16.26	7.44	-6.87	16.83	33.01
			H	17.67	7.44	-6.86	18.25	33.01
	1882.5	26365	V	14.94	7.57	-6.92	15.59	33.01
			H	17.77	7.57	-6.92	18.42	33.01
	1912.5	26665	V	12.07	7.69	-6.98	12.78	33.01
			H	16.12	7.69	-6.98	16.83	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 25 BW: 10M QPSK RB: 1,0	1855.0	26090	V	16.29	7.42	-6.86	16.85	33.01
			H	17.76	7.42	-6.86	18.32	33.01
	1882.5	26365	V	15.63	7.54	-6.91	16.26	33.01
			H	17.15	7.54	-6.91	17.78	33.01
	1910.0	26640	V	13.27	7.65	-6.96	13.96	33.01
			H	16.22	7.65	-6.96	16.91	33.01
LTE BAND 25 BW: 10M QPSK RB: 1,49	1855.0	26090	V	15.92	7.46	-6.87	16.51	33.01
			H	17.81	7.46	-6.87	18.40	33.01
	1882.5	26365	V	14.69	7.57	-6.93	15.33	33.01
			H	17.27	7.58	-6.93	17.92	33.01
	1910.0	26640	V	12.06	7.69	-6.98	12.77	33.01
			H	15.71	7.69	-6.98	16.42	33.01
LTE BAND 25 BW: 10M 16QAM RB: 1,0	1855.0	26090	V	16.07	7.43	-6.86	16.64	33.01
			H	17.72	7.42	-6.86	18.28	33.01
	1882.5	26365	V	15.93	7.54	-6.91	16.56	33.01
			H	17.65	7.54	-6.91	18.28	33.01
	1910.0	26640	V	13.43	7.65	-6.96	14.12	33.01
			H	16.20	7.66	-6.96	16.90	33.01
LTE BAND 25 BW: 10M 16QAM RB: 1,49	1855.0	26090	V	15.39	7.46	-6.87	15.98	33.01
			H	18.05	7.46	-6.87	18.64	33.01
	1882.5	26365	V	14.78	7.58	-6.93	15.43	33.01
			H	17.47	7.58	-6.93	18.12	33.01
	1910.0	26640	V	12.17	7.69	-6.98	12.88	33.01
			H	16.32	7.69	-6.98	17.03	33.01
Remark	(1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz							

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 25 BW: 15M QPSK RB: 1,0	1857.5	26115	V	16.05	7.43	-6.86	16.62	33.01
			H	17.87	7.42	-6.86	18.43	33.01
	1882.5	26365	V	15.29	7.53	-6.90	15.92	33.01
			H	17.53	7.53	-6.90	18.16	33.01
	1907.5	26615	V	14.51	7.64	-6.95	15.20	33.01
			H	17.61	7.63	-6.95	18.29	33.01
LTE BAND 25 BW: 15M QPSK RB: 1,74	1857.5	26115	V	13.78	7.48	-6.88	14.38	33.01
			H	16.11	7.48	-6.88	16.71	33.01
	1882.5	26365	V	14.08	7.58	-6.93	14.73	33.01
			H	17.37	7.58	-6.93	18.02	33.01
	1907.5	26615	V	11.99	7.69	-6.98	12.70	33.01
			H	15.74	7.69	-6.98	16.45	33.01
LTE BAND 25 BW: 15M 16QAM RB: 1,0	1857.5	26115	V	15.51	7.42	-6.86	16.07	33.01
			H	17.84	7.43	-6.86	18.41	33.01
	1882.5	26365	V	15.17	7.53	-6.90	15.80	33.01
			H	17.54	7.53	-6.90	18.17	33.01
	1907.5	26615	V	14.86	7.64	-6.95	15.55	33.01
			H	17.86	7.64	-6.95	18.55	33.01
LTE BAND 25 BW: 15M 16QAM RB: 1,74	1857.5	26115	V	15.76	7.48	-6.88	16.36	33.01
			H	18.01	7.48	-6.88	18.61	33.01
	1882.5	26365	V	14.16	7.59	-6.93	14.82	33.01
			H	17.35	7.58	-6.93	18.00	33.01
	1907.5	26615	V	12.17	7.69	-6.98	12.88	33.01
			H	16.03	7.69	-6.98	16.74	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 25 BW: 20M QPSK RB: 1,0	1860.0	26140	V	14.44	7.43	-6.86	15.01	33.01
			H	17.42	7.42	-6.86	17.98	33.01
	1882.5	26365	V	15.55	7.52	-6.90	16.17	33.01
			H	17.41	7.52	-6.90	18.03	33.01
	1905.0	26590	V	14.91	7.61	-6.94	15.58	33.01
			H	17.48	7.62	-6.94	18.16	33.01
LTE BAND 25 BW: 20M QPSK RB: 1,99	1860.0	26140	V	16.32	7.43	-6.86	16.89	33.01
			H	17.60	7.43	-6.86	18.17	33.01
	1882.5	26365	V	14.14	7.60	-6.93	14.81	33.01
			H	17.17	7.60	-6.93	17.84	33.01
	1905.0	26590	V	12.10	7.69	-6.98	12.81	33.01
			H	15.92	7.69	-6.98	16.63	33.01
LTE BAND 25 BW: 20M 16QAM RB: 1,0	1860.0	26140	V	16.45	7.43	-6.86	17.02	33.01
			H	17.86	7.42	-6.86	18.42	33.01
	1882.5	26365	V	15.65	7.52	-6.90	16.27	33.01
			H	16.10	7.52	-6.90	16.72	33.01
	1905.0	26590	V	15.06	7.61	-6.94	15.73	33.01
			H	17.74	7.62	-6.94	18.42	33.01
LTE BAND 25 BW: 20M 16QAM RB: 1,99	1860.0	26140	V	14.23	7.50	-6.89	14.84	33.01
			H	15.77	7.50	-6.89	16.38	33.01
	1882.5	26365	V	14.08	7.59	-6.93	14.74	33.01
			H	17.28	7.60	-6.93	17.95	33.01
	1905.0	26590	V	12.41	7.69	-6.97	13.13	33.01
			H	15.98	7.69	-6.98	16.69	33.01

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 1.4M QPSK RB: 1,0	824.7	26797	V	13.03	5.14	-4.18	13.99	38.45
			H	13.70	5.14	-4.18	14.66	38.45
	836.5	26915	V	13.28	5.10	-4.22	14.16	38.45
			H	15.43	5.10	-4.22	16.31	38.45
	848.3	27033	V	14.33	5.06	-4.26	15.13	38.45
			H	17.17	5.06	-4.26	17.97	38.45
LTE BAND 26 BW: 1.4M QPSK RB: 1,5	824.7	26797	V	12.37	5.13	-4.18	13.32	38.45
			H	14.05	5.14	-4.18	15.01	38.45
	836.5	26915	V	13.39	5.09	-4.23	14.25	38.45
			H	15.79	5.09	-4.23	16.65	38.45
	848.3	27033	V	14.71	5.06	-4.27	15.50	38.45
			H	17.50	5.05	-4.27	18.28	38.45
LTE BAND 26 BW: 1.4M 16QAM RB: 1,0	824.7	26797	V	12.44	5.14	-4.18	13.40	38.45
			H	13.75	5.14	-4.18	14.71	38.45
	836.5	26915	V	13.68	5.10	-4.22	14.56	38.45
			H	15.65	5.10	-4.22	16.53	38.45
	848.3	27033	V	14.30	5.06	-4.26	15.10	38.45
			H	17.35	5.06	-4.26	18.15	38.45
LTE BAND 26 BW: 1.4M 16QAM RB: 1,5	824.7	26797	V	12.87	5.13	-4.18	13.82	38.45
			H	14.13	5.13	-4.18	15.08	38.45
	836.5	26915	V	13.64	5.10	-4.23	14.51	38.45
			H	15.96	5.09	-4.23	16.82	38.45
	848.3	27033	V	14.58	5.06	-4.26	15.38	38.45
			H	17.60	5.06	-4.27	18.39	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 3M QPSK RB: 1,0	825.5	26805	V	12.46	5.14	-4.18	13.42	38.45
			H	15.27	5.14	-4.18	16.23	38.45
	836.5	26915	V	11.94	5.10	-4.22	12.82	38.45
			H	14.22	5.10	-4.22	15.10	38.45
	847.5	27025	V	14.01	5.06	-4.26	14.81	38.45
			H	16.85	5.07	-4.26	17.66	38.45
LTE BAND 26 BW: 3M QPSK RB: 1,14	825.5	26805	V	12.48	5.13	-4.19	13.42	38.45
			H	13.76	5.13	-4.19	14.70	38.45
	836.5	26915	V	13.41	5.09	-4.23	14.27	38.45
			H	15.69	5.09	-4.23	16.55	38.45
	847.5	27025	V	14.73	5.06	-4.26	15.53	38.45
			H	17.63	5.05	-4.27	18.41	38.45
LTE BAND 26 BW: 3M 16QAM RB: 1,0	825.5	26805	V	12.51	5.14	-4.18	13.47	38.45
			H	13.79	5.14	-4.18	14.75	38.45
	836.5	26915	V	13.13	5.10	-4.22	14.01	38.45
			H	15.34	5.10	-4.22	16.22	38.45
	847.5	27025	V	14.99	5.06	-4.26	15.79	38.45
			H	17.73	5.06	-4.26	18.53	38.45
LTE BAND 26 BW: 3M 16QAM RB: 1,14	825.5	26805	V	13.40	5.13	-4.19	14.34	38.45
			H	14.66	5.13	-4.19	15.60	38.45
	836.5	26915	V	13.63	5.09	-4.23	14.49	38.45
			H	16.03	5.09	-4.23	16.89	38.45
	847.5	27025	V	14.70	5.06	-4.26	15.50	38.45
			H	17.62	5.06	-4.26	18.42	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 5M QPSK RB: 1,0	826.5	26815	V	12.58	5.14	-4.18	13.54	38.45
			H	16.04	5.14	-4.18	17.00	38.45
	836.5	26915	V	12.02	5.10	-4.22	12.90	38.45
			H	15.60	5.10	-4.22	16.48	38.45
	846.5	27015	V	14.02	5.07	-4.25	14.84	38.45
			H	16.91	5.07	-4.25	17.73	38.45
LTE BAND 26 BW: 5M QPSK RB: 1,24	826.5	26815	V	12.87	5.12	-4.19	13.80	38.45
			H	16.23	5.12	-4.19	17.16	38.45
	836.5	26915	V	13.48	5.09	-4.23	14.34	38.45
			H	16.74	5.09	-4.23	17.60	38.45
	846.5	27015	V	14.68	5.06	-4.27	15.47	38.45
			H	17.43	5.06	-4.26	18.23	38.45
LTE BAND 26 BW: 5M 16QAM RB: 1,0	826.5	26815	V	12.51	5.14	-4.18	13.47	38.45
			H	16.03	5.14	-4.18	16.99	38.45
	836.5	26915	V	12.90	5.10	-4.22	13.78	38.45
			H	16.43	5.10	-4.22	17.31	38.45
	846.5	27015	V	14.88	5.07	-4.25	15.70	38.45
			H	17.82	5.07	-4.25	18.64	38.45
LTE BAND 26 BW: 5M 16QAM RB: 1,24	826.5	26815	V	14.07	5.12	-4.20	14.99	38.45
			H	17.57	5.12	-4.19	18.50	38.45
	836.5	26915	V	13.69	5.09	-4.23	14.55	38.45
			H	17.03	5.09	-4.24	17.88	38.45
	846.5	27015	V	14.58	5.06	-4.26	15.38	38.45
			H	17.42	5.06	-4.26	18.22	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 10M QPSK RB: 1,0	829.0	26840	V	12.36	5.13	-4.18	13.31	38.45
			H	13.23	5.14	-4.18	14.19	38.45
	836.5	26915	V	13.08	5.11	-4.21	13.98	38.45
			H	15.29	5.11	-4.21	16.19	38.45
	844.0	26990	V	13.35	5.08	-4.24	14.19	38.45
			H	16.41	5.09	-4.24	17.26	38.45
LTE BAND 26 BW: 10M QPSK RB: 1,49	829.0	26840	V	10.93	5.11	-4.21	11.83	38.45
			H	13.16	5.11	-4.21	14.06	38.45
	836.5	26915	V	13.59	5.08	-4.24	14.43	38.45
			H	16.60	5.08	-4.24	17.44	38.45
	844.0	26990	V	13.97	5.06	-4.26	14.77	38.45
			H	17.32	5.06	-4.26	18.12	38.45
LTE BAND 26 BW: 10M 16QAM RB: 1,0	829.0	26840	V	11.81	5.14	-4.18	12.77	38.45
			H	14.01	5.14	-4.18	14.97	38.45
	836.5	26915	V	13.03	5.11	-4.21	13.93	38.45
			H	15.23	5.11	-4.21	16.13	38.45
	844.0	26990	V	13.28	5.08	-4.24	14.12	38.45
			H	16.38	5.09	-4.24	17.23	38.45
LTE BAND 26 BW: 10M 16QAM RB: 1,49	829.0	26840	V	11.92	5.11	-4.21	12.82	38.45
			H	13.32	5.11	-4.21	14.22	38.45
	836.5	26915	V	13.77	5.08	-4.24	14.61	38.45
			H	15.73	5.08	-4.24	16.57	38.45
	844.0	26990	V	13.97	5.06	-4.26	14.77	38.45
			H	17.58	5.06	-4.27	18.37	38.45

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 15M QPSK RB: 1,0	831.5	26865	V	12.76	5.13	-4.18	13.71	38.45
			H	16.02	5.14	-4.18	16.98	38.45
	836.5	26915	V	12.56	5.12	-4.20	13.48	38.45
			H	16.96	5.12	-4.20	17.88	38.45
	841.5	26965	V	11.67	5.10	-4.22	12.55	38.45
			H	15.14	5.10	-4.22	16.02	38.45
LTE BAND 26 BW: 15M QPSK RB: 1,74	831.5	26865	V	13.05	5.09	-4.23	13.91	38.45
			H	16.47	5.09	-4.23	17.33	38.45
	836.5	26915	V	12.82	5.07	-4.25	13.64	38.45
			H	15.76	5.08	-4.25	16.59	38.45
	841.5	26965	V	13.75	5.06	-4.26	14.55	38.45
			H	17.25	5.06	-4.26	18.05	38.45
LTE BAND 26 BW: 15M 16QAM RB: 1,0	831.5	26865	V	12.65	5.13	-4.18	13.60	38.45
			H	16.16	5.13	-4.18	17.11	38.45
	836.5	26915	V	12.60	5.12	-4.20	13.52	38.45
			H	15.94	5.12	-4.20	16.86	38.45
	841.5	26965	V	11.68	5.10	-4.22	12.56	38.45
			H	15.33	5.10	-4.22	16.21	38.45
LTE BAND 26 BW: 15M 16QAM RB: 1,74	831.5	26865	V	13.72	5.09	-4.23	14.58	38.45
			H	16.28	5.10	-4.22	17.16	38.45
	836.5	26915	V	12.83	5.07	-4.25	13.65	38.45
			H	17.74	5.07	-4.25	18.56	38.45
	841.5	26965	V	13.97	5.06	-4.26	14.77	38.45
			H	16.82	5.06	-4.26	17.62	38.45
Remark	(1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz							

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 1.4M QPSK RB: 1,0	814.7	26697	V	13.07	5.17	-4.14	14.10	50.00
			H	16.82	5.17	-4.14	17.85	50.00
	819.0	26740	V	12.43	5.16	-4.16	13.43	50.00
			H	16.07	5.16	-4.16	17.07	50.00
	823.3	26783	V	11.98	5.14	-4.17	12.95	50.00
			H	15.38	5.14	-4.17	16.35	50.00
LTE BAND 26 BW: 1.4M QPSK RB: 1,5	814.7	26697	V	12.96	5.17	-4.15	13.98	50.00
			H	16.77	5.17	-4.14	17.80	50.00
	819.0	26740	V	12.30	5.15	-4.16	13.29	50.00
			H	15.94	5.15	-4.16	16.93	50.00
	823.3	26783	V	12.32	5.14	-4.18	13.28	50.00
			H	15.67	5.14	-4.18	16.63	50.00
LTE BAND 26 BW: 1.4M 16QAM RB: 1,0	814.7	26697	V	13.67	5.17	-4.14	14.70	50.00
			H	17.48	5.17	-4.14	18.51	50.00
	819.0	26740	V	12.68	5.16	-4.16	13.68	50.00
			H	16.27	5.16	-4.16	17.27	50.00
	823.3	26783	V	12.04	5.14	-4.17	13.01	50.00
			H	15.38	5.14	-4.17	16.35	50.00
LTE BAND 26 BW: 1.4M 16QAM RB: 1,5	814.7	26697	V	13.68	5.17	-4.15	14.70	50.00
			H	17.50	5.17	-4.15	18.52	50.00
	819.0	26740	V	12.36	5.15	-4.16	13.35	50.00
			H	15.87	5.15	-4.16	16.86	50.00
	823.3	26783	V	12.31	5.14	-4.18	13.27	50.00
			H	15.66	5.14	-4.18	16.62	50.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 3M QPSK RB: 1,0	815.5	26705	V	13.29	5.18	-4.14	14.33	50.00
			H	16.48	5.17	-4.14	17.51	50.00
	819.0	26740	V	12.43	5.16	-4.15	13.44	50.00
			H	16.13	5.16	-4.15	17.14	50.00
	822.5	26775	V	11.87	5.15	-4.17	12.85	50.00
			H	15.35	5.15	-4.17	16.33	50.00
LTE BAND 26 BW: 3M QPSK RB: 1,14	815.5	26705	V	12.35	5.16	-4.15	13.36	50.00
			H	16.11	5.16	-4.15	17.12	50.00
	819.0	26740	V	11.37	5.15	-4.16	12.36	50.00
			H	14.98	5.15	-4.16	15.97	50.00
	822.5	26775	V	12.21	5.14	-4.18	13.17	50.00
			H	15.27	5.14	-4.17	16.24	50.00
LTE BAND 26 BW: 3M 16QAM RB: 1,0	815.5	26705	V	13.66	5.17	-4.14	14.69	50.00
			H	17.51	5.17	-4.14	18.54	50.00
	819.0	26740	V	13.06	5.16	-4.15	14.07	50.00
			H	16.23	5.16	-4.15	17.24	50.00
	822.5	26775	V	11.90	5.15	-4.17	12.88	50.00
			H	15.42	5.15	-4.17	16.40	50.00
LTE BAND 26 BW: 3M 16QAM RB: 1,14	815.5	26705	V	13.25	5.16	-4.15	14.26	50.00
			H	17.06	5.16	-4.15	18.07	50.00
	819.0	26740	V	12.06	5.15	-4.16	13.05	50.00
			H	15.63	5.15	-4.16	16.62	50.00
	822.5	26775	V	12.28	5.14	-4.18	13.24	50.00
			H	15.70	5.14	-4.17	16.67	50.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 5M QPSK RB: 1,0	816.5	26715	V	12.86	5.17	-4.14	13.89	50.00
			H	16.42	5.17	-4.14	17.45	50.00
	819.0	26740	V	12.51	5.16	-4.15	13.52	50.00
			H	16.06	5.16	-4.15	17.07	50.00
	821.5	26765	V	11.41	5.15	-4.16	12.40	50.00
			H	14.83	5.15	-4.16	15.82	50.00
LTE BAND 26 BW: 5M QPSK RB: 1,24	816.5	26715	V	11.29	5.15	-4.16	12.28	50.00
			H	14.81	5.16	-4.16	15.81	50.00
	819.0	26740	V	11.65	5.15	-4.17	12.63	50.00
			H	14.96	5.15	-4.16	15.95	50.00
	821.5	26765	V	11.96	5.14	-4.18	12.92	50.00
			H	15.29	5.14	-4.18	16.25	50.00
LTE BAND 26 BW: 5M 16QAM RB: 1,0	816.5	26715	V	13.63	5.17	-4.14	14.66	50.00
			H	17.43	5.17	-4.14	18.46	50.00
	819.0	26740	V	13.37	5.16	-4.15	14.38	50.00
			H	17.07	5.16	-4.15	18.08	50.00
	821.5	26765	V	12.35	5.15	-4.16	13.34	50.00
			H	15.91	5.15	-4.16	16.90	50.00
LTE BAND 26 BW: 5M 16QAM RB: 1,24	816.5	26715	V	12.60	5.16	-4.16	13.60	50.00
			H	16.01	5.16	-4.16	17.01	50.00
	819.0	26740	V	11.86	5.15	-4.17	12.84	50.00
			H	15.31	5.15	-4.17	16.29	50.00
	821.5	26765	V	12.23	5.14	-4.18	13.19	50.00
			H	15.51	5.14	-4.18	16.47	50.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 26 BW: 10M QPSK RB: 1,0	819.0	26740	V	12.87	5.17	-4.14	13.90	50.00
			H	16.64	5.17	-4.14	17.67	50.00
LTE BAND 26 BW: 10M QPSK RB: 1,49	819.0	26740	V	11.84	5.14	-4.17	12.81	50.00
			H	15.17	5.14	-4.17	16.14	50.00
LTE BAND 26 BW: 10M 16QAM RB: 1,0	819.0	26740	V	13.17	5.17	-4.14	14.20	50.00
			H	16.85	5.17	-4.14	17.88	50.00
LTE BAND 26 BW: 10M 16QAM RB: 1,49	819.0	26740	V	11.91	5.14	-4.18	12.87	50.00
			H	15.16	5.14	-4.17	16.13	50.00
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30 BW: 5M QPSK RB: 1,0	2307.5	27685	V	13.09	10.51	-7.59	16.01	24.00
			H	12.06	10.50	-7.59	14.97	24.00
	2310.0	27710	V	13.03	10.51	-7.59	15.95	24.00
			H	12.32	10.51	-7.59	15.24	24.00
	2312.5	27735	V	12.95	10.51	-7.59	15.87	24.00
			H	12.20	10.51	-7.59	15.12	24.00
LTE BAND 30 BW: 5M QPSK RB: 1,24	2307.5	27685	V	11.93	10.51	-7.59	14.85	24.00
			H	10.69	10.51	-7.59	13.61	24.00
	2310.0	27710	V	12.13	10.51	-7.60	15.04	24.00
			H	11.09	10.51	-7.60	14.00	24.00
	2312.5	27735	V	12.01	10.51	-7.60	14.92	24.00
			H	10.52	10.51	-7.60	13.43	24.00
LTE BAND 30 BW: 5M 16QAM RB: 1,0	2307.5	27685	V	13.19	10.51	-7.59	16.11	24.00
			H	12.07	10.51	-7.59	14.99	24.00
	2310.0	27710	V	13.34	10.51	-7.59	16.26	24.00
			H	12.47	10.51	-7.59	15.39	24.00
	2312.5	27735	V	13.48	10.51	-7.59	16.40	24.00
			H	12.47	10.51	-7.59	15.39	24.00
LTE BAND 30 BW: 5M 16QAM RB: 1,24	2307.5	27685	V	12.04	10.51	-7.59	14.96	24.00
			H	10.86	10.51	-7.59	13.78	24.00
	2310.0	27710	V	12.53	10.51	-7.60	15.44	24.00
			H	11.47	10.51	-7.60	14.38	24.00
	2312.5	27735	V	12.14	10.51	-7.60	15.05	24.00
			H	12.21	10.51	-7.59	15.13	24.00
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE BAND 30 BW: 10M QPSK RB: 1,0	2310.0	27710	V	12.90	10.51	-7.59	15.82	24.00
			H	12.33	10.51	-7.59	15.25	24.00
LTE BAND 30 BW: 10M QPSK RB: 1,49	2310.0	27710	V	12.30	10.51	-7.60	15.21	24.00
			H	11.06	10.51	-7.60	13.97	24.00
LTE BAND 30 BW: 10M 16QAM RB: 1,0	2310.0	27710	V	14.42	10.51	-7.59	17.34	24.00
			H	13.78	10.51	-7.59	16.70	24.00
LTE BAND 30 BW: 10M 16QAM RB: 1,49	2310.0	27710	V	12.47	10.51	-7.60	15.38	24.00
			H	11.20	10.51	-7.60	14.11	24.00
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 5M QPSK RB: 1,0	2572.5	37775	V	18.61	8.63	-7.91	19.33	33.00
			H	21.01	8.63	-7.91	21.73	33.00
	2595.0	38000	V	18.26	8.66	-7.93	18.99	33.00
			H	19.27	8.66	-7.93	20.00	33.00
	2617.5	38225	V	16.83	8.69	-7.96	17.56	33.00
			H	19.11	8.69	-7.96	19.84	33.00
LTE BAND 38 BW: 5M QPSK RB: 1,24	2572.5	37775	V	18.84	8.64	-7.91	19.57	33.00
			H	21.45	8.64	-7.91	22.18	33.00
	2595.0	38000	V	18.19	8.67	-7.94	18.92	33.00
			H	19.80	8.67	-7.94	20.53	33.00
	2617.5	38225	V	16.81	8.69	-7.96	17.54	33.00
			H	18.98	8.69	-7.96	19.71	33.00
LTE BAND 38 BW: 5M 16QAM RB: 1,0	2572.5	37775	V	18.31	8.63	-7.91	19.03	33.00
			H	20.26	8.63	-7.91	20.98	33.00
	2595.0	38000	V	18.58	8.66	-7.93	19.31	33.00
			H	19.44	8.66	-7.93	20.17	33.00
	2617.5	38225	V	16.92	8.69	-7.96	17.65	33.00
			H	19.06	8.69	-7.96	19.79	33.00
LTE BAND 38 BW: 5M 16QAM RB: 1,24	2572.5	37775	V	18.51	8.64	-7.91	19.24	33.00
			H	20.97	8.64	-7.91	21.70	33.00
	2595.0	38000	V	17.70	8.67	-7.94	18.43	33.00
			H	19.19	8.67	-7.94	19.92	33.00
	2617.5	38225	V	16.46	8.69	-7.96	17.19	33.00
			H	19.25	8.69	-7.96	19.98	33.00
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 10M QPSK RB: 1,0	2575.0	37800	V	16.73	8.64	-7.91	17.46	33.00
			H	20.73	8.63	-7.91	21.45	33.00
	2595.0	38000	V	15.67	8.66	-7.93	16.40	33.00
			H	18.76	8.66	-7.93	19.49	33.00
	2615.0	38200	V	16.41	8.68	-7.95	17.14	33.00
			H	18.76	8.68	-7.95	19.49	33.00
LTE BAND 38 BW: 10M QPSK RB: 1,49	2575.0	37800	V	17.45	8.64	-7.92	18.17	33.00
			H	20.26	8.64	-7.92	20.98	33.00
	2595.0	38000	V	15.42	8.67	-7.94	16.15	33.00
			H	19.24	8.67	-7.94	19.97	33.00
	2615.0	38200	V	14.93	8.69	-7.96	15.66	33.00
			H	18.09	8.69	-7.96	18.82	33.00
LTE BAND 38 BW: 10M 16QAM RB: 1,0	2575.0	37800	V	18.51	8.63	-7.91	19.23	33.00
			H	20.45	8.63	-7.91	21.17	33.00
	2595.0	38000	V	14.94	8.66	-7.93	15.67	33.00
			H	18.60	8.66	-7.93	19.33	33.00
	2615.0	38200	V	16.00	8.68	-7.95	16.73	33.00
			H	16.62	8.68	-7.95	17.35	33.00
LTE BAND 38 BW: 10M 16QAM RB: 1,49	2575.0	37800	V	17.96	8.65	-7.92	18.69	33.00
			H	19.89	8.65	-7.92	20.62	33.00
	2595.0	38000	V	17.30	8.67	-7.94	18.03	33.00
			H	17.08	8.67	-7.94	17.81	33.00
	2615.0	38200	V	14.39	8.69	-7.96	15.12	33.00
			H	15.95	8.69	-7.96	16.68	33.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 15M QPSK RB: 1,0	2577.5	37825	V	18.07	8.63	-7.91	18.79	33.00
			H	20.38	8.63	-7.91	21.10	33.00
	2595.0	38000	V	14.86	8.66	-7.93	15.59	33.00
			H	17.50	8.66	-7.93	18.23	33.00
	2612.5	38175	V	14.94	8.68	-7.95	15.67	33.00
			H	19.53	8.68	-7.95	20.26	33.00
LTE BAND 38 BW: 15M QPSK RB: 1,74	2577.5	37825	V	16.89	8.65	-7.92	17.62	33.00
			H	20.38	8.65	-7.92	21.11	33.00
	2595.0	38000	V	14.90	8.67	-7.94	15.63	33.00
			H	19.44	8.67	-7.94	20.17	33.00
	2612.5	38175	V	15.03	8.69	-7.96	15.76	33.00
			H	18.45	8.69	-7.96	19.18	33.00
LTE BAND 38 BW: 15M 16QAM RB: 1,0	2577.5	37825	V	18.12	8.63	-7.91	18.84	33.00
			H	20.39	8.64	-7.91	21.12	33.00
	2595.0	38000	V	16.73	8.66	-7.93	17.46	33.00
			H	18.89	8.66	-7.93	19.62	33.00
	2612.5	38175	V	17.37	8.68	-7.95	18.10	33.00
			H	19.18	8.68	-7.95	19.91	33.00
LTE BAND 38 BW: 15M 16QAM RB: 1,74	2577.5	37825	V	16.62	8.65	-7.92	17.35	33.00
			H	19.80	8.65	-7.92	20.53	33.00
	2595.0	38000	V	16.48	8.67	-7.94	17.21	33.00
			H	18.95	8.67	-7.94	19.68	33.00
	2612.5	38175	V	14.86	8.69	-7.96	15.59	33.00
			H	17.96	8.69	-7.96	18.69	33.00
Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz								

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 38 BW: 20M QPSK RB: 1,0	2580.0	37850	V	16.95	8.64	-7.91	17.68	33.00
			H	19.91	8.64	-7.91	20.64	33.00
	2595.0	38000	V	15.29	8.65	-7.92	16.02	33.00
			H	17.37	8.65	-7.92	18.10	33.00
	2610.0	38150	V	15.23	8.67	-7.94	15.96	33.00
			H	19.07	8.67	-7.94	19.80	33.00
LTE BAND 38 BW: 20M QPSK RB: 1,99	2580.0	37850	V	17.39	8.66	-7.93	18.12	33.00
			H	19.79	8.66	-7.93	20.52	33.00
	2595.0	38000	V	15.32	8.67	-7.94	16.05	33.00
			H	17.50	8.68	-7.94	18.24	33.00
	2610.0	38150	V	15.47	8.69	-7.96	16.20	33.00
			H	18.04	8.69	-7.96	18.77	33.00
LTE BAND 38 BW: 20M 16QAM RB: 1,0	2580.0	37850	V	18.34	8.64	-7.91	19.07	33.00
			H	19.30	8.64	-7.91	20.03	33.00
	2595.0	38000	V	14.84	8.65	-7.93	15.56	33.00
			H	17.02	8.65	-7.92	17.75	33.00
	2610.0	38150	V	15.16	8.67	-7.94	15.89	33.00
			H	17.12	8.67	-7.94	17.85	33.00
LTE BAND 38 BW: 20M 16QAM RB: 1,99	2580.0	37850	V	18.00	8.66	-7.93	18.73	33.00
			H	19.49	8.66	-7.93	20.22	33.00
	2595.0	38000	V	14.92	8.67	-7.94	15.65	33.00
			H	20.00	8.67	-7.94	20.73	33.00
	2610.0	38150	V	15.10	8.69	-7.96	15.83	33.00
			H	17.65	8.69	-7.96	18.38	33.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 5M QPSK RB: 1,0	2498.5	39675	V	18.46	8.55	-7.83	19.18	33.00
			H	18.82	8.55	-7.83	19.54	33.00
	2593.0	40620	V	17.49	8.66	-7.93	18.22	33.00
			H	18.61	8.66	-7.93	19.34	33.00
	2687.5	41565	V	7.43	8.77	-8.03	8.17	33.00
			H	14.86	8.77	-8.03	15.60	33.00
LTE BAND 41 BW: 5M QPSK RB: 1,24	2498.5	39675	V	19.49	8.55	-7.83	20.21	33.00
			H	18.91	8.55	-7.83	19.63	33.00
	2593.0	40620	V	17.48	8.66	-7.94	18.20	33.00
			H	18.77	8.66	-7.93	19.50	33.00
	2687.5	41565	V	6.09	8.78	-8.03	6.84	33.00
			H	14.30	8.78	-8.03	15.05	33.00
LTE BAND 41 BW: 5M 16QAM RB: 1,0	2498.5	39675	V	18.36	8.55	-7.83	19.08	33.00
			H	18.70	8.55	-7.83	19.42	33.00
	2593.0	40620	V	17.23	8.66	-7.93	17.96	33.00
			H	19.55	8.66	-7.93	20.28	33.00
	2687.5	41565	V	11.83	8.77	-8.03	12.57	33.00
			H	15.34	8.77	-8.02	16.09	33.00
LTE BAND 41 BW: 5M 16QAM RB: 1,24	2498.5	39675	V	19.89	8.55	-7.83	20.61	33.00
			H	18.95	8.55	-7.83	19.67	33.00
	2593.0	40620	V	16.87	8.66	-7.93	17.60	33.00
			H	18.23	8.66	-7.93	18.96	33.00
	2687.5	41565	V	10.48	8.78	-8.03	11.23	33.00
			H	14.46	8.78	-8.03	15.21	33.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 10M QPSK RB: 1,0	2501.0	39700	V	8.23	8.55	-7.83	8.95	33.00
			H	13.13	8.55	-7.83	13.85	33.00
	2593.0	40620	V	15.14	8.66	-7.93	15.87	33.00
			H	16.91	8.66	-7.93	17.64	33.00
	2685.0	41540	V	5.44	8.77	-8.02	6.19	33.00
			H	10.09	8.77	-8.02	10.84	33.00
LTE BAND 41 BW: 10M QPSK RB: 1,49	2501.0	39700	V	19.12	8.56	-7.84	19.84	33.00
			H	19.05	8.56	-7.84	19.77	33.00
	2593.0	40620	V	15.13	8.67	-7.94	15.86	33.00
			H	17.69	8.67	-7.94	18.42	33.00
	2685.0	41540	V	9.73	8.78	-8.03	10.48	33.00
			H	14.52	8.78	-8.03	15.27	33.00
LTE BAND 41 BW: 10M 16QAM RB: 1,0	2501.0	39700	V	18.02	8.55	-7.83	18.74	33.00
			H	18.97	8.55	-7.83	19.69	33.00
	2593.0	40620	V	14.89	8.66	-7.93	15.62	33.00
			H	16.92	8.66	-7.93	17.65	33.00
	2685.0	41540	V	7.19	8.77	-8.02	7.94	33.00
			H	11.50	8.77	-8.02	12.25	33.00
LTE BAND 41 BW: 10M 16QAM RB: 1,49	2501.0	39700	V	18.77	8.56	-7.84	19.49	33.00
			H	18.73	8.56	-7.84	19.45	33.00
	2593.0	40620	V	14.63	8.67	-7.94	15.36	33.00
			H	17.01	8.67	-7.94	17.74	33.00
	2685.0	41540	V	5.31	8.78	-8.03	6.06	33.00
			H	8.14	8.78	-8.03	8.89	33.00

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 15M QPSK RB: 1,0	2503.5	39725	V	8.42	8.55	-7.83	9.14	33.00
			H	19.16	8.55	-7.83	19.88	33.00
	2593.0	40620	V	15.04	8.65	-7.92	15.77	33.00
			H	16.75	8.65	-7.92	17.48	33.00
	2682.5	41515	V	7.67	8.76	-8.02	8.41	33.00
			H	11.77	8.76	-8.02	12.51	33.00
LTE BAND 41 BW: 15M QPSK RB: 1,74	2503.5	39725	V	19.50	8.56	-7.84	20.22	33.00
			H	19.15	8.56	-7.84	19.87	33.00
	2593.0	40620	V	15.39	8.67	-7.94	16.12	33.00
			H	17.16	8.67	-7.94	17.89	33.00
	2682.5	41515	V	5.77	8.78	-8.03	6.52	33.00
			H	9.66	8.78	-8.03	10.41	33.00
LTE BAND 41 BW: 15M 16QAM RB: 1,0	2503.5	39725	V	19.17	8.55	-7.83	19.89	33.00
			H	18.33	8.55	-7.83	19.05	33.00
	2593.0	40620	V	14.58	8.65	-7.93	15.30	33.00
			H	16.40	8.65	-7.92	17.13	33.00
	2682.5	41515	V	7.43	8.76	-8.02	8.17	33.00
			H	11.66	8.76	-8.02	12.40	33.00
LTE BAND 41 BW: 15M 16QAM RB: 1,74	2503.5	39725	V	19.09	8.56	-7.84	19.81	33.00
			H	18.77	8.56	-7.84	19.49	33.00
	2593.0	40620	V	13.92	8.67	-7.94	14.65	33.00
			H	16.88	8.67	-7.94	17.61	33.00
	2682.5	41515	V	4.84	8.78	-8.03	5.59	33.00
			H	8.02	8.78	-8.03	8.77	33.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 41 BW: 20M QPSK RB: 1,0	2506.0	39750	V	17.96	8.55	-7.83	18.68	33.00
			H	18.03	8.55	-7.83	18.75	33.00
	2593.0	40620	V	14.46	8.65	-7.92	15.19	33.00
			H	18.89	8.65	-7.92	19.62	33.00
	2680.0	41490	V	5.90	8.75	-8.01	6.64	33.00
			H	11.35	8.75	-8.01	12.09	33.00
LTE BAND 41 BW: 20M QPSK RB: 1,99	2506.0	39750	V	19.37	8.57	-7.85	20.09	33.00
			H	18.78	8.57	-7.85	19.50	33.00
	2593.0	40620	V	15.06	8.67	-7.94	15.79	33.00
			H	18.97	8.67	-7.94	19.70	33.00
	2680.0	41490	V	5.78	8.78	-8.03	6.53	33.00
			H	8.64	8.78	-8.03	9.39	33.00
LTE BAND 41 BW: 20M 16QAM RB: 1,0	2506.0	39750	V	18.91	8.55	-7.83	19.63	33.00
			H	18.11	8.55	-7.83	18.83	33.00
	2593.0	40620	V	14.08	8.65	-7.92	14.81	33.00
			H	17.84	8.65	-7.92	18.57	33.00
	2680.0	41490	V	7.43	8.76	-8.01	8.18	33.00
			H	11.46	8.75	-8.01	12.20	33.00
LTE BAND 41 BW: 20M 16QAM RB: 1,99	2506.0	39750	V	19.99	8.57	-7.85	20.71	33.00
			H	19.78	8.57	-7.85	20.50	33.00
	2593.0	40620	V	14.68	8.67	-7.94	15.41	33.00
			H	18.98	8.67	-7.94	19.71	33.00
	2680.0	41490	V	6.64	8.78	-8.03	7.39	33.00
			H	8.52	8.78	-8.03	9.27	33.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 1.4M QPSK RB: 1,0	1710.7	131979	V	11.51	8.98	-6.58	13.91	30.00
			H	16.11	8.98	-6.58	18.51	30.00
	1745.0	132322	V	9.54	9.13	-6.65	12.02	30.00
			H	17.25	9.13	-6.65	19.73	30.00
	1779.3	132665	V	8.55	9.27	-6.72	11.10	30.00
			H	16.54	9.27	-6.72	19.09	30.00
LTE BAND 66 BW: 1.4M QPSK RB: 1,5	1710.7	131979	V	11.40	8.99	-6.58	13.81	30.00
			H	16.46	8.99	-6.58	18.87	30.00
	1745.0	132322	V	9.34	9.13	-6.65	11.82	30.00
			H	17.56	9.13	-6.65	20.04	30.00
	1779.3	132665	V	8.48	9.27	-6.72	11.03	30.00
			H	16.59	9.27	-6.72	19.14	30.00
LTE BAND 66 BW: 1.4M 16QAM RB: 1,0	1710.7	131979	V	11.73	8.98	-6.58	14.13	30.00
			H	16.21	8.98	-6.58	18.61	30.00
	1745.0	132322	V	9.43	9.13	-6.65	11.91	30.00
			H	17.18	9.13	-6.65	19.66	30.00
	1779.3	132665	V	8.77	9.27	-6.72	11.32	30.00
			H	17.09	9.27	-6.72	19.64	30.00
LTE BAND 66 BW: 1.4M 16QAM RB: 1,5	1710.7	131979	V	12.08	8.99	-6.58	14.49	30.00
			H	16.69	8.99	-6.58	19.10	30.00
	1745.0	132322	V	10.07	9.13	-6.65	12.55	30.00
			H	17.58	9.13	-6.65	20.06	30.00
	1779.3	132665	V	9.39	9.27	-6.72	11.94	30.00
			H	16.66	9.28	-6.72	19.22	30.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 3M QPSK RB: 1,0	1711.5	131987	V	11.67	8.98	-6.58	14.07	30.00
			H	16.82	8.98	-6.58	19.22	30.00
	1745.0	132322	V	8.24	9.12	-6.65	10.71	30.00
			H	16.64	9.12	-6.65	19.11	30.00
	1778.5	132657	V	8.77	9.26	-6.71	11.32	30.00
			H	16.99	9.26	-6.71	19.54	30.00
LTE BAND 66 BW: 3M QPSK RB: 1,14	1711.5	131987	V	11.99	8.99	-6.59	14.39	30.00
			H	17.36	8.99	-6.59	19.76	30.00
	1745.0	132322	V	8.73	9.13	-6.65	11.21	30.00
			H	17.18	9.13	-6.65	19.66	30.00
	1778.5	132657	V	8.94	9.27	-6.72	11.49	30.00
			H	16.44	9.28	-6.72	19.00	30.00
LTE BAND 66 BW: 3M 16QAM RB: 1,0	1711.5	131987	V	11.99	8.98	-6.58	14.39	30.00
			H	17.04	8.98	-6.58	19.44	30.00
	1745.0	132322	V	8.66	9.12	-6.65	11.13	30.00
			H	16.59	9.12	-6.65	19.06	30.00
	1778.5	132657	V	9.07	9.26	-6.71	11.62	30.00
			H	17.09	9.26	-6.71	19.64	30.00
LTE BAND 66 BW: 3M 16QAM RB: 1,14	1711.5	131987	V	12.18	8.99	-6.59	14.58	30.00
			H	17.56	8.99	-6.58	19.97	30.00
	1745.0	132322	V	9.02	9.13	-6.65	11.50	30.00
			H	17.37	9.13	-6.65	19.85	30.00
	1778.5	132657	V	8.89	9.28	-6.72	11.45	30.00
			H	16.65	9.27	-6.72	19.20	30.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 5M QPSK RB: 1,0	1712.5	131997	V	11.03	8.98	-6.58	13.43	30.00
			H	16.97	8.98	-6.58	19.37	30.00
	1745.0	132322	V	7.53	9.12	-6.65	10.00	30.00
			H	15.83	9.12	-6.65	18.30	30.00
	1777.5	132647	V	9.48	9.26	-6.71	12.03	30.00
			H	16.65	9.26	-6.71	19.20	30.00
LTE BAND 66 BW: 5M QPSK RB: 1,24	1712.5	131997	V	10.91	9.00	-6.59	13.32	30.00
			H	17.45	9.00	-6.59	19.86	30.00
	1745.0	132322	V	8.24	9.14	-6.65	10.73	30.00
			H	17.04	9.14	-6.65	19.53	30.00
	1777.5	132647	V	8.42	9.27	-6.72	10.97	30.00
			H	16.05	9.27	-6.72	18.60	30.00
LTE BAND 66 BW: 5M 16QAM RB: 1,0	1712.5	131997	V	11.16	8.98	-6.58	13.56	30.00
			H	17.08	8.98	-6.58	19.48	30.00
	1745.0	132322	V	7.98	9.12	-6.65	10.45	30.00
			H	15.91	9.12	-6.65	18.38	30.00
	1777.5	132647	V	9.22	9.26	-6.71	11.77	30.00
			H	16.89	9.25	-6.71	19.43	30.00
LTE BAND 66 BW: 5M 16QAM RB: 1,24	1712.5	131997	V	11.02	9.00	-6.59	13.43	30.00
			H	17.50	9.00	-6.59	19.91	30.00
	1745.0	132322	V	8.59	9.14	-6.65	11.08	30.00
			H	17.19	9.14	-6.65	19.68	30.00
	1777.5	132647	V	8.74	9.27	-6.72	11.29	30.00
			H	16.93	9.26	-6.71	19.48	30.00

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 10M QPSK RB: 1,0	1715.0	132022	V	10.10	8.98	-6.58	12.50	30.00
			H	14.98	8.98	-6.58	17.38	30.00
	1745.0	132322	V	7.69	9.11	-6.64	10.16	30.00
			H	14.19	9.11	-6.64	16.66	30.00
	1775.0	132622	V	7.84	9.24	-6.70	10.38	30.00
			H	15.82	9.24	-6.70	18.36	30.00
LTE BAND 66 BW: 10M QPSK RB: 1,49	1715.0	132022	V	9.34	9.02	-6.60	11.76	30.00
			H	15.88	9.02	-6.60	18.30	30.00
	1745.0	132322	V	7.96	9.15	-6.66	10.45	30.00
			H	16.75	9.15	-6.66	19.24	30.00
	1775.0	132622	V	8.28	9.28	-6.72	10.84	30.00
			H	16.21	9.27	-6.72	18.76	30.00
LTE BAND 66 BW: 10M 16QAM RB: 1,0	1715.0	132022	V	10.02	8.99	-6.58	12.43	30.00
			H	15.26	8.99	-6.58	17.67	30.00
	1745.0	132322	V	7.04	9.11	-6.64	9.51	30.00
			H	14.27	9.11	-6.64	16.74	30.00
	1775.0	132622	V	8.52	9.24	-6.70	11.06	30.00
			H	15.95	9.24	-6.70	18.49	30.00
LTE BAND 66 BW: 10M 16QAM RB: 1,49	1715.0	132022	V	9.38	9.02	-6.60	11.80	30.00
			H	16.11	9.02	-6.60	18.53	30.00
	1745.0	132322	V	8.14	9.15	-6.66	10.63	30.00
			H	16.88	9.15	-6.66	19.37	30.00
	1775.0	132622	V	9.29	9.27	-6.72	11.84	30.00
			H	16.46	9.27	-6.72	19.01	30.00

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 15M QPSK RB: 1,0	1717.5	132047	V	10.53	8.99	-6.58	12.94	30.00
			H	15.81	8.98	-6.58	18.21	30.00
	1745.0	132322	V	6.96	9.10	-6.64	9.42	30.00
			H	13.47	9.10	-6.64	15.93	30.00
	1772.5	132597	V	6.14	9.22	-6.69	8.67	30.00
			H	14.15	9.22	-6.69	16.68	30.00
LTE BAND 66 BW: 15M QPSK RB: 1,74	1717.5	132047	V	8.90	9.04	-6.61	11.33	30.00
			H	15.21	9.04	-6.61	17.64	30.00
	1745.0	132322	V	7.04	9.15	-6.66	9.53	30.00
			H	15.32	9.16	-6.66	17.82	30.00
	1772.5	132597	V	8.58	9.27	-6.72	11.13	30.00
			H	16.21	9.27	-6.72	18.76	30.00
LTE BAND 66 BW: 15M 16QAM RB: 1,0	1717.5	132047	V	10.51	8.99	-6.58	12.92	30.00
			H	15.69	8.98	-6.58	18.09	30.00
	1745.0	132322	V	6.37	9.10	-6.64	8.83	30.00
			H	13.90	9.10	-6.64	16.36	30.00
	1772.5	132597	V	6.46	9.22	-6.69	8.99	30.00
			H	14.54	9.22	-6.69	17.07	30.00
LTE BAND 66 BW: 15M 16QAM RB: 1,74	1717.5	132047	V	8.43	9.04	-6.61	10.86	30.00
			H	15.18	9.04	-6.61	17.61	30.00
	1745.0	132322	V	7.29	9.16	-6.66	9.79	30.00
			H	15.49	9.15	-6.66	17.98	30.00
	1772.5	132597	V	8.79	9.27	-6.72	11.34	30.00
			H	16.49	9.27	-6.72	19.04	30.00

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE BAND 66 BW: 20M QPSK RB: 1,0	1720.0	132072	V	10.69	8.99	-6.58	13.10	30.00
			H	16.65	8.99	-6.58	19.06	30.00
	1745.0	132322	V	5.55	9.09	-6.63	8.01	30.00
			H	13.36	9.09	-6.63	15.82	30.00
	1770.0	132572	V	7.17	9.20	-6.68	9.69	30.00
			H	15.69	9.20	-6.68	18.21	30.00
LTE BAND 66 BW: 20M QPSK RB: 1,99	1720.0	132072	V	6.87	9.06	-6.62	9.31	30.00
			H	14.38	9.06	-6.62	16.82	30.00
	1745.0	132322	V	7.38	9.17	-6.67	9.88	30.00
			H	11.90	9.17	-6.67	14.40	30.00
	1770.0	132572	V	8.65	9.27	-6.72	11.20	30.00
			H	16.52	9.27	-6.72	19.07	30.00
LTE BAND 66 BW: 20M 16QAM RB: 1,0	1720.0	132072	V	11.44	8.99	-6.58	13.85	30.00
			H	16.71	8.98	-6.58	19.11	30.00
	1745.0	132322	V	5.91	9.09	-6.63	8.37	30.00
			H	13.62	9.09	-6.63	16.08	30.00
	1770.0	132572	V	6.93	9.20	-6.68	9.45	30.00
			H	15.60	9.20	-6.68	18.12	30.00
LTE BAND 66 BW: 20M 16QAM RB: 1,99	1720.0	132072	V	7.60	9.06	-6.62	10.04	30.00
			H	14.61	9.06	-6.62	17.05	30.00
	1745.0	132322	V	6.14	9.17	-6.67	8.64	30.00
			H	12.04	9.17	-6.67	14.54	30.00
	1770.0	132572	V	8.84	9.27	-6.72	11.39	30.00
			H	16.52	9.27	-6.72	19.07	30.00

Remark： (1)The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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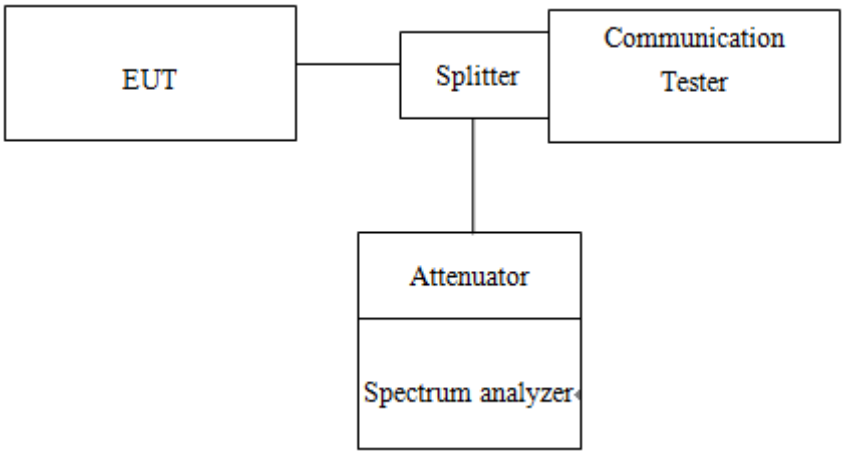
8. OCCUPIED BANDWIDTH MEASUREMENT

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



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%.

99% Bandwidth with detector sample

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW, -20dBc display line was placed on the screen (or 20dB bandwidth). Set RBW to 99% bandwidth, RBW= 1% ~ 5%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

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8.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	N9010A	MY53400256	2017/10/30	2018/10/29
Radio Communication Analyer	Anritsu	MT8820C	6201107337	2017/06/11	2018/06/10
DC Power Supply	Agilent	E3640A	MY53130054	2017/09/04	2018/09/03
Attenuator	Marvelous	MVE2213-10	RF30	2017/12/26	2018/12/25
Splitter	RF-LAMBAD	RFLT2W1G18G	RF35	2017/12/26	2018/12/25

8.5. Measurement Result

Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		WCDMA II	HSDPA II	HSUPA II	WCDMA II	HSDPA II	HSUPA II
1852.40	9262	4.14980	4.15670	4.14380	4.70500	4.68940	4.68350
1880.00	9400	4.14920	4.15180	4.14520	4.70460	4.70500	4.70580
1907.60	9538	4.15590	4.13870	4.13710	4.67690	4.71420	4.70160

Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		WCDMA IV	HSDPA IV	HSUPA IV	WCDMA IV	HSDPA IV	HSUPA IV
1712.40	1312	4.13100	4.13340	4.13910	4.68900	4.69500	4.70000
1732.60	1413	4.13980	4.12410	4.14520	4.66400	4.69300	4.68400
1752.60	1513	4.14420	4.13230	4.12650	4.67100	4.67300	4.69100

Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		WCDMA V	HSDPA V	HSUPA V	WCDMA V	HSDPA V	HSUPA V
826.40	4132	4.14850	4.14150	4.14610	4.73990	4.69640	4.67420
836.60	4183	4.14370	4.13420	4.14160	4.73810	4.70060	4.72320
846.60	4233	4.12730	4.12970	4.11280	4.73540	4.68210	4.71040

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LTE BAND 2 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1850.7	18607	1.0908	1.0953	1.2353	1.2379
1880.0	18900	1.0934	1.0941	1.2343	1.2433
1909.3	19193	1.0923	1.0948	1.2412	1.2366

LTE BAND 2 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1851.5	18615	2.6950	2.6953	2.9792	2.9844
1880.0	18900	2.6998	2.6909	2.9975	3.0084
1908.5	19185	2.6969	2.6974	2.9960	3.0122

LTE BAND 2 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1852.5	18625	4.4882	4.4951	4.9610	4.9513
1880.0	18900	4.4889	4.4939	4.9939	4.9742
1907.5	19175	4.4892	4.4961	4.9595	4.9638

LTE BAND 2 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1855.0	18650	8.9782	8.9558	9.741	9.804
1880.0	18900	8.9673	8.9679	9.809	9.731
1905.0	19150	8.9827	8.9420	9.730	9.772

LTE BAND 2 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1857.5	18675	13.499	13.489	14.696	14.609
1880.0	18900	13.455	13.460	14.606	14.559
1902.5	19125	13.480	13.452	14.705	14.693

LTE BAND 2 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1860.0	18700	17.985	17.965	19.598	19.438
1880.0	18900	17.939	17.951	19.498	19.415
1900.0	19100	17.968	17.998	19.586	19.428

LTE BAND 4 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1710.7	19957	1.0943	1.0983	1.2449	1.2550
1732.5	20175	1.0944	1.0908	1.2484	1.2330
1754.3	20393	1.0922	1.0934	1.2461	1.2340

LTE BAND 4 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1711.5	19965	2.7000	2.6990	2.9966	3.0159
1732.5	20175	2.7003	2.6990	3.0257	3.0236
1753.5	20385	2.6986	2.6994	3.0214	3.0270

LTE BAND 4 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1712.5	19957	4.4952	4.5007	4.9827	4.9622
1732.5	20175	4.4979	4.4933	4.9606	4.9369
1752.5	20375	4.5051	4.4890	5.0132	5.0144

LTE BAND 4 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1715.0	20000	8.9919	8.9589	9.856	9.773
1732.5	20175	8.9834	8.9750	9.835	9.797
1750.0	20350	8.9892	8.9734	9.784	9.795

LTE BAND 4 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1717.5	20025	13.470	13.458	14.639	14.645
1732.5	20175	13.528	13.506	14.599	14.710
1747.5	20325	13.488	13.486	14.746	14.778

LTE BAND 4 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1720.0	20050	17.903	17.897	19.388	19.351
1732.5	20175	18.042	18.055	19.715	19.585
1745.0	20300	17.959	17.998	19.491	19.389

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LTE BAND 5 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
824.7	20407	1.0951	1.0931	1.2350	1.2440
836.5	20525	1.0913	1.0942	1.2350	1.2450
848.3	20643	1.0933	1.0954	1.2370	1.2420

LTE BAND 5 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
825.5	20415	2.6927	2.6932	2.9570	3.0010
836.5	20525	2.6958	2.6983	2.9960	2.9720
847.5	20635	2.6976	2.6962	3.0010	3.0020

LTE BAND 5 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
826.5	20425	4.4971	4.5090	4.9480	4.9740
836.5	20525	4.4992	4.4997	5.0110	4.9320
846.5	20625	4.4891	4.4943	4.9640	4.9430

LTE BAND 5 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
829.0	20450	8.9679	8.9584	9.800	9.743
836.5	20525	9.0095	8.9711	9.847	9.745
844.0	20600	8.9921	8.9559	9.780	9.689

LTE BAND 7 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2502.5	20775	4.4963	4.4928	4.9350	4.8860
2535.0	21100	4.4955	4.5040	4.9760	4.9600
2567.5	21425	4.4966	4.5008	4.9150	4.9370

LTE BAND 7 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2505.0	20800	8.9649	8.9664	9.719	9.751
2535.0	21100	8.9853	8.9744	9.815	9.743
2565.0	21400	8.9942	8.9594	9.842	9.789

LTE BAND 7 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2507.5	20825	13.442	13.473	14.590	14.690
2535.0	21100	13.496	13.498	14.720	14.810
2562.5	21375	13.489	13.467	14.760	14.690

LTE BAND 7 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2510.0	20850	17.954	17.954	19.520	19.520
2535.0	21100	18.022	18.022	19.730	19.730
2560.0	21350	17.943	17.943	19.310	19.310

LTE BAND 12 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
699.7	23017	1.0917	1.0980	1.2360	1.2310
707.5	23095	1.0931	1.0931	1.2380	1.2320
715.3	23173	1.0927	1.0953	1.2370	1.2370

LTE BAND 12 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
700.5	23025	2.6984	2.6990	2.9560	3.0000
707.5	23095	2.6963	2.6977	2.9820	3.0030
714.5	23165	2.7005	2.6922	2.9810	2.9950

LTE BAND 12 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
701.5	23035	4.4971	4.4993	4.9580	4.8900
707.5	23095	4.4983	4.5050	4.9310	4.9420
713.5	23155	4.4954	4.4871	4.9400	4.9920

LTE BAND 12 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
704.0	23060	8.9724	8.9497	9.717	9.736
707.5	23095	8.9836	8.9883	9.756	9.780
711.0	23130	9.0049	8.9737	9.768	9.789

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LTE BAND 13 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
779.5	23205	4.4849	4.4891	4.9130	4.9530
782.0	23230	4.5157	4.5089	5.0250	4.9860
784.5	23255	4.4895	4.5025	4.9220	4.9480

LTE BAND 13 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
782.0	23230	8.961	8.943	9.806	9.751

LTE BAND 17 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
706.5	23755	4.5056	4.5118	4.9750	4.9630
710.0	23790	4.5099	4.5141	5.1260	4.9680
713.5	23825	4.4911	4.5012	4.9900	4.9930

LTE BAND 17 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
709.0	23780	9.0085	8.9859	9.861	9.746
710.0	23790	8.9910	8.9915	9.868	9.815
711.0	23800	9.0038	8.9754	9.747	9.829

LTE BAND 25 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1850.7	26047	1.0901	1.0946	1.238	1.223
1882.5	26365	1.0932	1.0949	1.239	1.234
1914.3	26683	1.0920	1.0944	1.244	1.238

LTE BAND 25 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1851.5	26055	2.6929	2.6994	3.008	2.997
1882.5	26365	2.6982	2.6918	2.991	3.002
1913.5	26675	2.6948	2.6962	2.996	2.979

LTE BAND 25 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1852.5	26065	4.4937	4.4929	4.952	4.967
1882.5	26365	4.4967	4.4948	4.976	4.959
1912.5	26665	4.4955	4.4963	4.951	5.007

LTE BAND 25 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1855.0	26090	8.9714	8.9597	9.766	9.776
1882.5	26365	9.0053	8.9753	9.779	9.670
1910.0	26640	8.9734	8.9585	9.683	9.753

LTE BAND 25 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1857.5	26115	13.499	13.471	14.51	14.72
1882.5	26365	13.471	13.455	14.64	14.69
1907.5	26615	13.472	13.451	14.57	14.63

LTE BAND 25 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1860.0	26140	17.9530	17.9570	19.470	19.460
1882.5	26365	17.9330	17.9590	19.580	19.360
1905.0	26590	17.9310	17.9150	19.470	19.480

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LTE BAND 26 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
824.7	26797	1.0923	1.0948	1.2320	1.2380
836.5	26915	1.0900	1.0924	1.2310	1.2340
848.3	27033	1.0940	1.0945	1.2400	1.2340

LTE BAND 26 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
825.5	26805	2.6858	2.6910	2.9910	2.9930
836.5	26915	2.6911	2.6965	2.9850	2.9750
847.5	27025	2.6921	2.6956	3.0100	2.9960

LTE BAND 26 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
826.5	26815	4.4928	4.4905	4.9380	4.9930
836.5	26915	4.4918	4.4889	4.9400	4.9650
846.5	27015	4.5032	4.4993	4.9480	4.9370

LTE BAND 26 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
829.0	26840	9.0082	8.9663	9.763	9.731
836.5	26915	8.9865	8.9454	9.832	9.781
844.0	26990	8.9988	8.9540	9.737	9.754

LTE BAND 26 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
831.5	26865	13.539	13.494	14.700	14.760
836.5	26915	13.490	13.447	14.680	14.610
841.5	26965	13.491	13.482	14.760	14.670

LTE BAND 26 for part 90S Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
814.7	26697	1.0902	1.0929	1.2390	1.2350
819.0	26740	1.0932	1.0937	1.2430	1.2340
823.3	26783	1.0918	1.0926	1.2410	1.2320

LTE BAND 26 for part 90S Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
815.5	26705	2.6917	2.6945	2.9730	2.9920
819.0	26740	2.6936	2.6936	2.9920	3.0060
822.5	26775	2.6985	2.7018	2.9940	3.0100

LTE BAND 26 for part 90S Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
816.5	26715	4.4954	4.5010	4.9530	4.9330
819.0	26740	4.4951	4.4960	4.9440	4.9710
821.5	26765	4.5070	4.5053	4.9960	4.9880

LTE BAND 26 for part 90S Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
819.0	26740	8.9910	8.9584	9.779	9.741

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LTE BAND 30 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2307.5	27685	4.4929	4.4974	4.9830	4.9600
2310.0	27710	4.4969	4.5041	5.0060	4.9390
2312.5	27735	4.4974	4.4914	4.9840	4.9710

LTE BAND 30 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	16QAM	QPSK
2310.0	27710	8.9845	8.9451	9.7890	9.7620

LTE BAND 38 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2572.5	37775	4.4957	4.4983	5.1810	4.9030
2595.0	38000	4.5012	4.5042	5.0840	4.9880
2617.5	38225	4.4997	4.5013	4.8910	4.9290

LTE BAND 38 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2575.0	37800	8.9864	8.9720	9.938	9.801
2595.0	38000	8.9687	8.9606	9.815	9.732
2615.0	38200	8.9673	8.9649	9.747	9.942

LTE BAND 38 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2577.5	37825	13.516	13.489	15.570	14.560
2595.0	38000	13.467	13.483	15.000	14.630
2612.5	38175	13.516	13.478	15.480	14.680

LTE BAND 38 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2580.0	37850	17.950	17.913	19.220	19.290
2595.0	38000	17.955	17.973	20.010	19.240
2610.0	38150	17.927	17.900	19.300	19.410

LTE BAND 41 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2498.5	39675	4.4919	4.5007	5.1720	5.0830
2593.0	40620	4.4926	4.5062	5.2330	5.0010
2687.5	41565	4.7967	4.5532	5.2320	5.0810

LTE BAND 41 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2501.0	39700	8.9667	8.9656	9.812	9.879
2593.0	40620	8.9685	8.9661	9.791	9.861
2685.0	41540	8.9857	8.9759	9.871	9.776

LTE BAND 41 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2503.5	39725	13.518	13.501	15.830	15.620
2593.0	40620	13.486	13.475	15.370	15.000
2682.5	41515	13.504	13.476	15.390	14.680

LTE BAND 41 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2506.0	39750	17.937	17.946	19.610	19.300
2593.0	40620	17.951	17.980	20.150	19.480
2680.0	41490	17.964	17.967	19.720	19.580

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LTE BAND 66 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1710.7	131979	1.0928	1.1027	1.2440	1.3230
1745.0	132322	1.0934	1.1071	1.2480	1.3640
1779.3	132665	1.0950	1.0954	1.2400	1.2390

LTE BAND 66 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1711.5	131987	2.6952	2.7009	2.9810	3.0080
1745.0	132322	2.6963	2.6983	2.9840	2.9800
1778.5	132657	2.7010	2.6979	3.0080	3.0040

LTE BAND 66 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1712.5	131997	4.4953	4.4981	5.0020	4.9380
1745.0	132322	4.4910	4.4960	4.9710	4.9790
1777.5	132647	4.4968	4.4992	4.9940	4.9870

LTE BAND 66 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1715.0	132022	8.9988	8.9612	9.8510	9.7840
1745.0	132322	8.9760	8.9636	9.7690	9.7870
1775.0	132622	9.0044	8.9696	9.8640	9.7510

LTE BAND 66 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1717.5	132047	13.4780	13.4670	14.7800	14.6500
1745.0	132322	13.4590	13.4780	14.7000	14.7300
1772.5	132597	13.5140	13.5030	14.7300	14.6400

LTE BAND 66 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1720.0	132072	17.9390	17.9420	19.4800	19.4500
1745.0	132322	17.9780	18.0010	19.5600	19.4400
1770.0	132572	17.9870	18.0120	19.5500	19.9000

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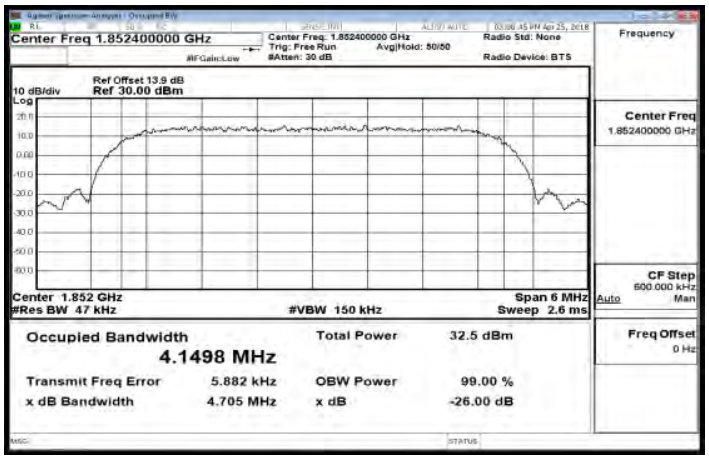

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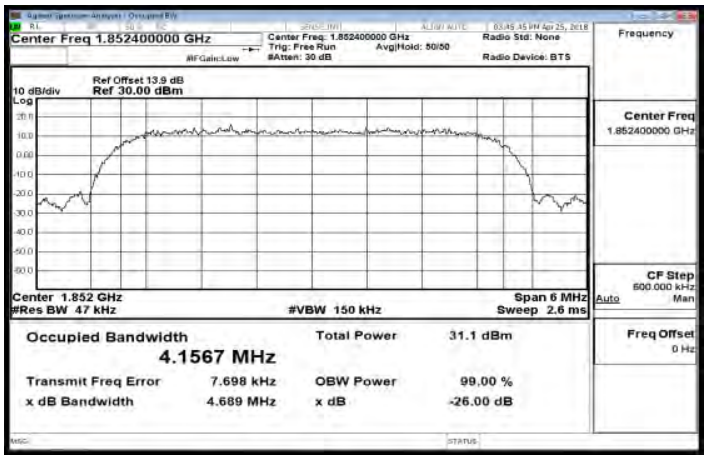

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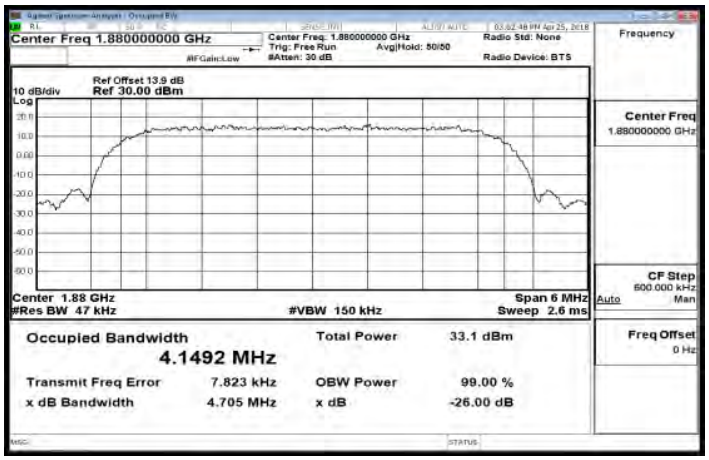

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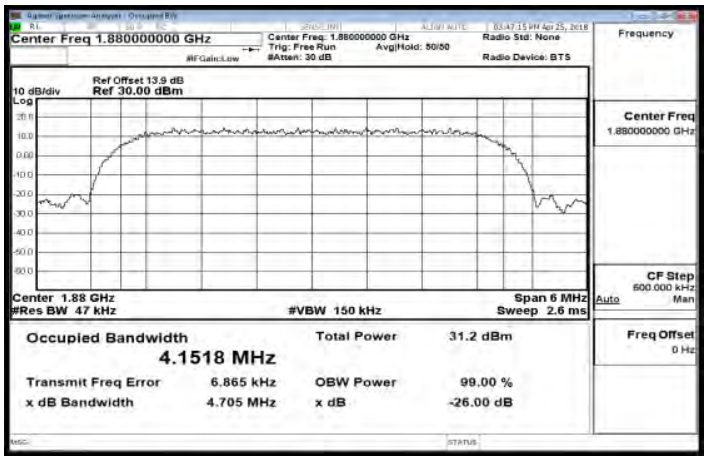

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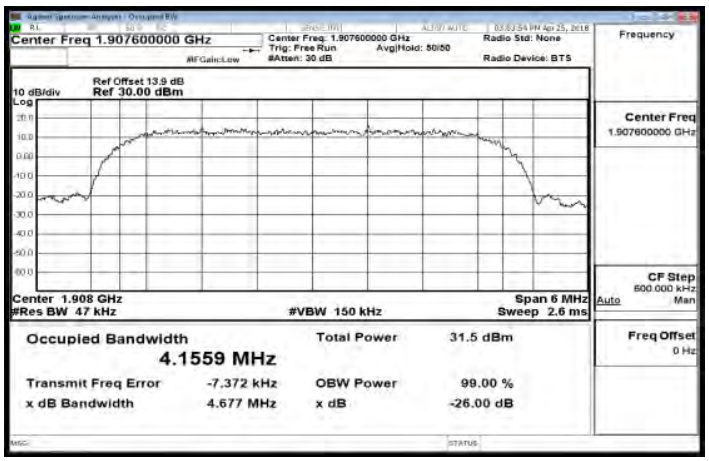

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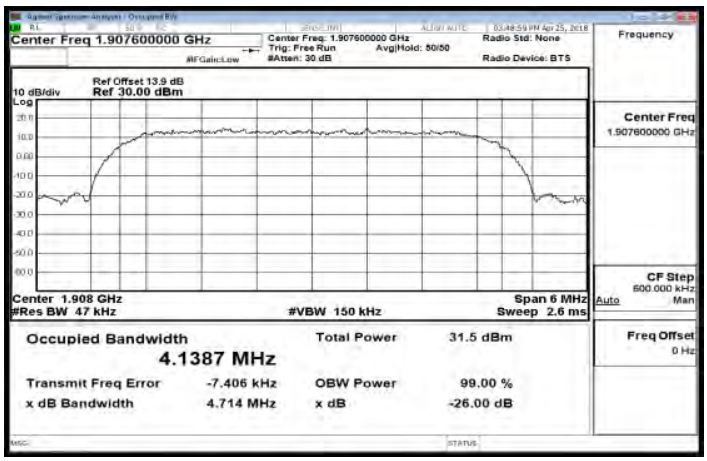

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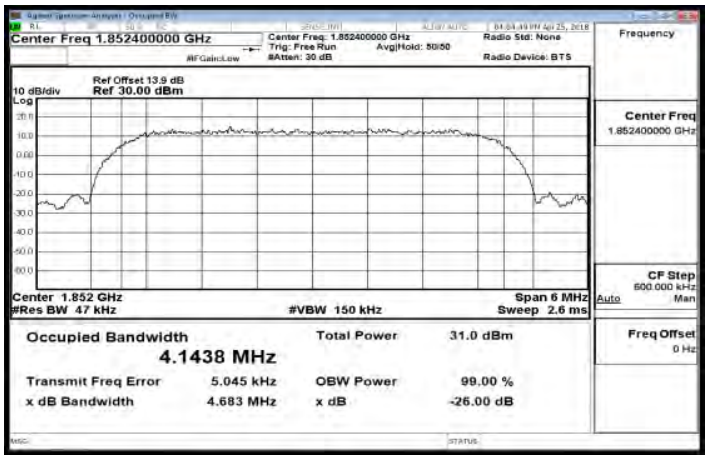

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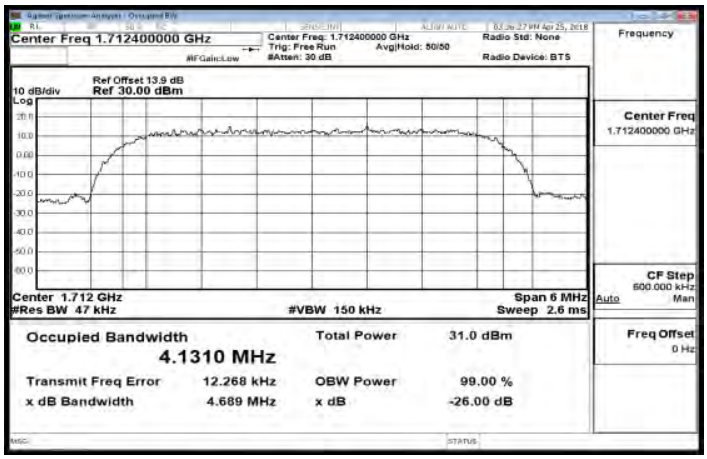

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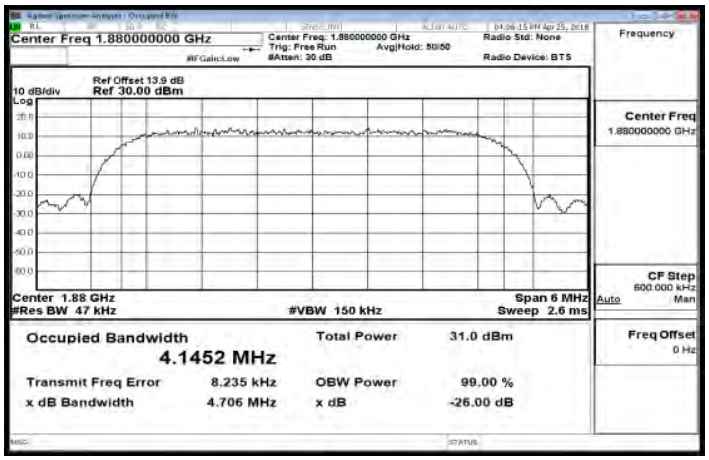

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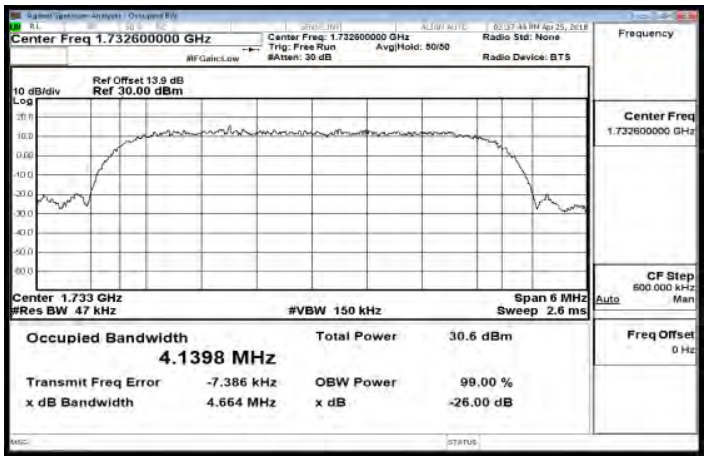

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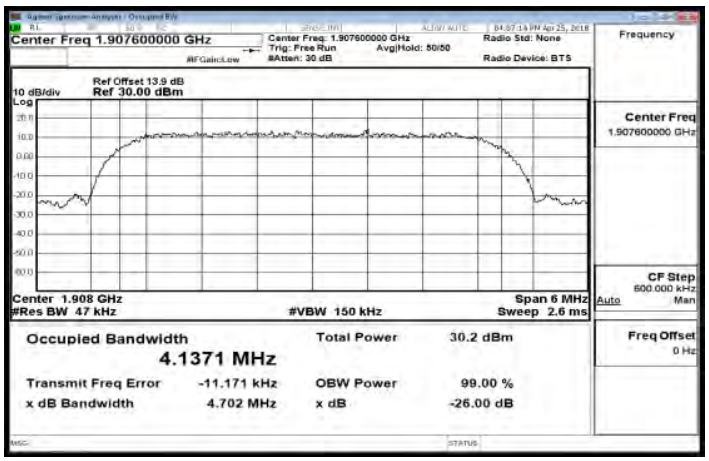

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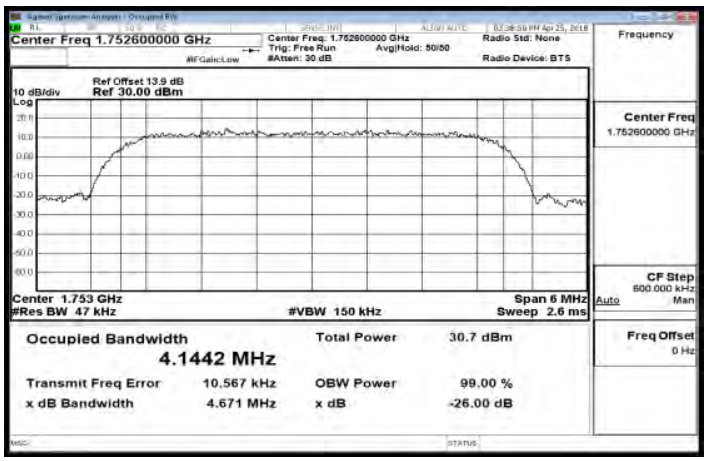

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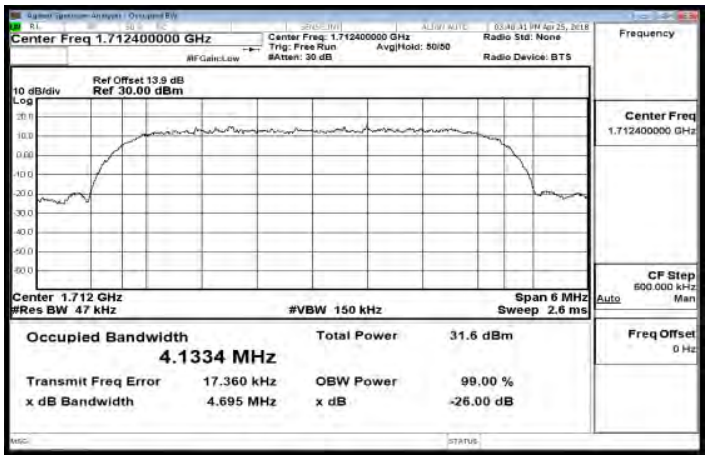

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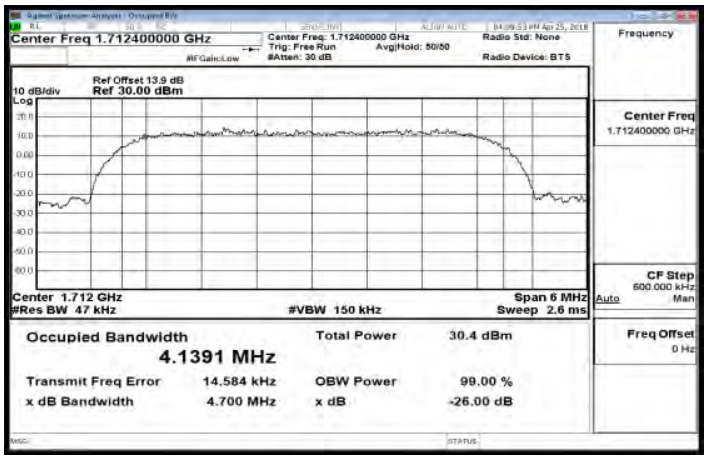

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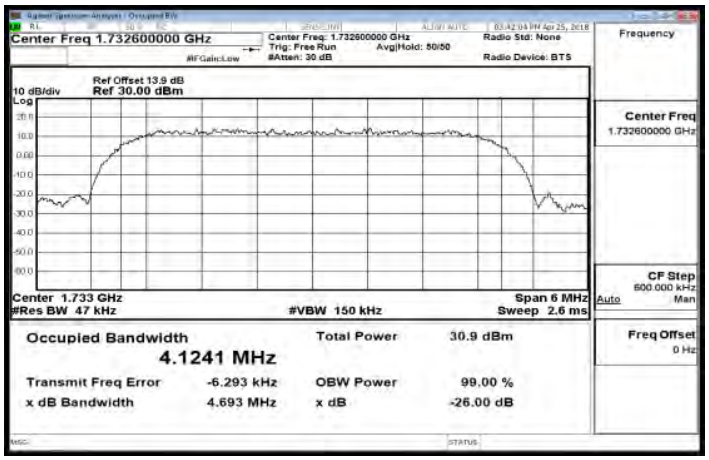

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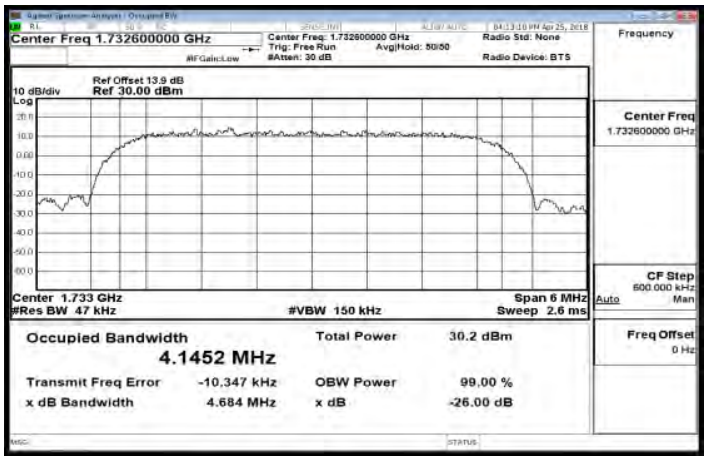

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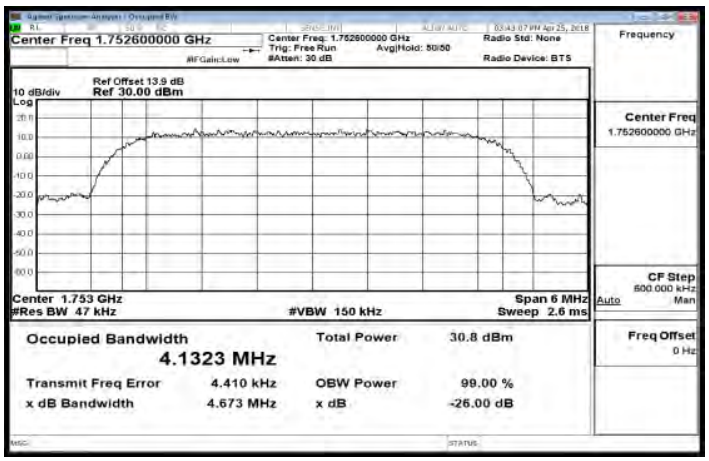

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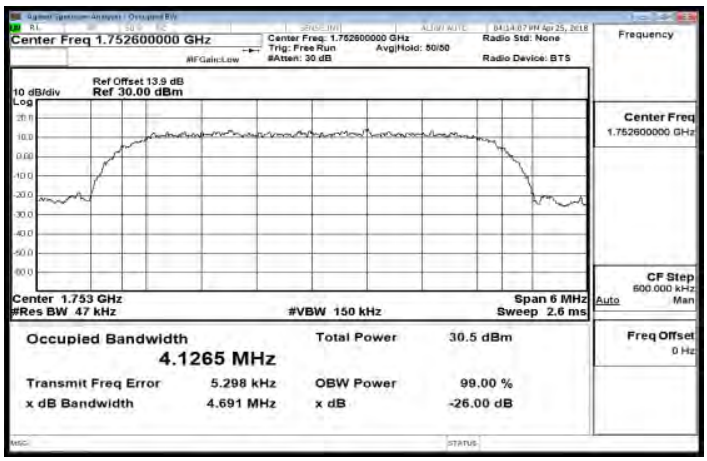

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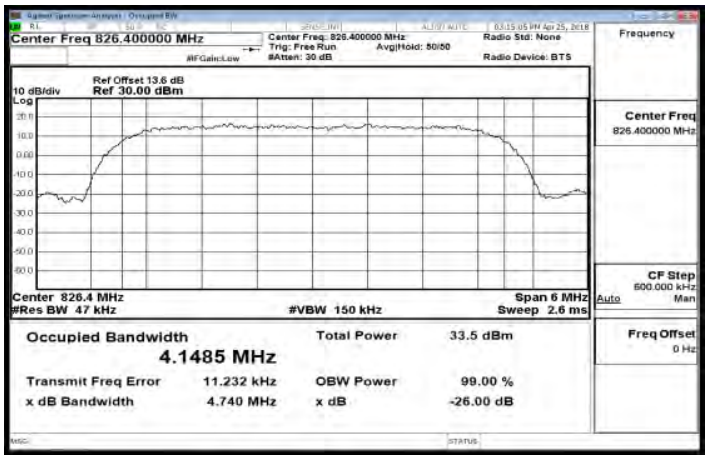
WCDMA_B5_LowCH4132-826.4



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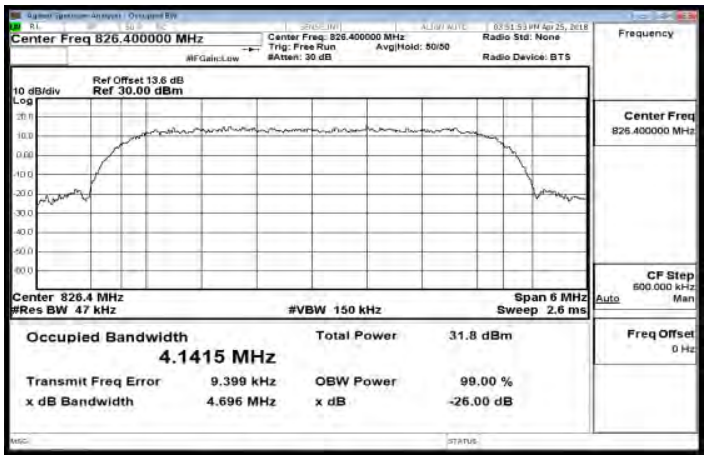

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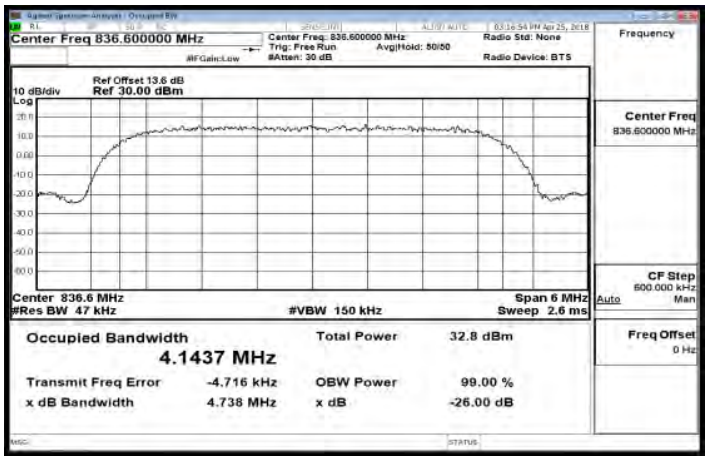

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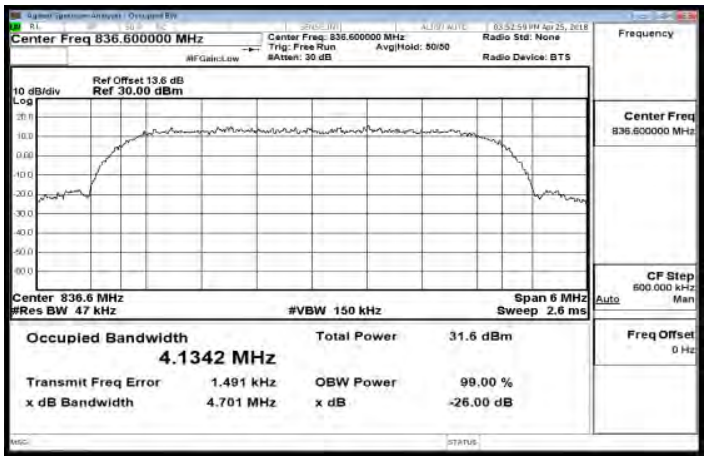

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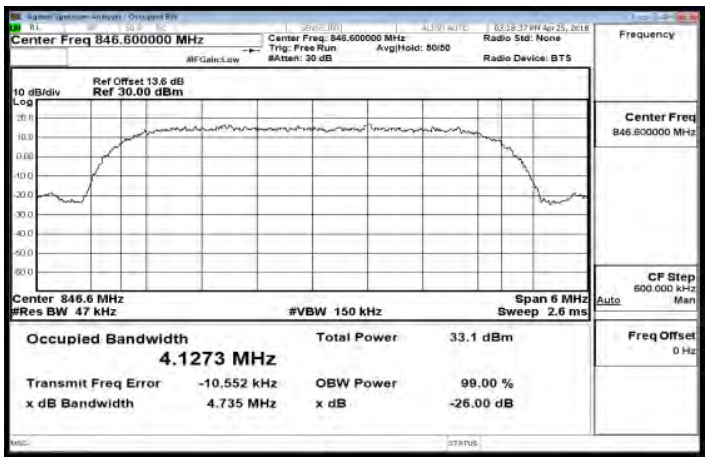

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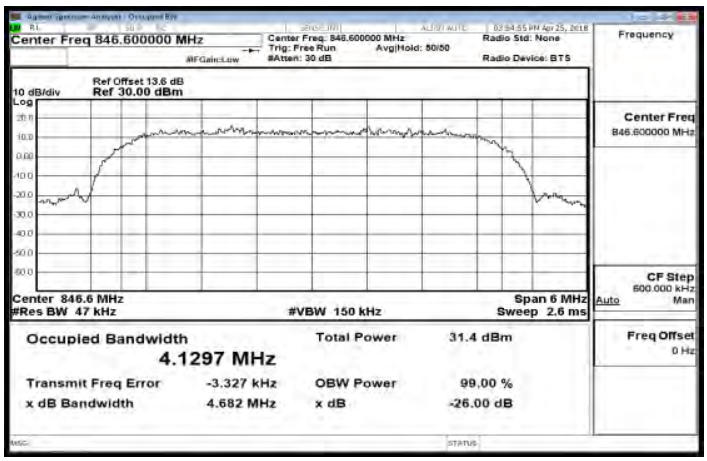

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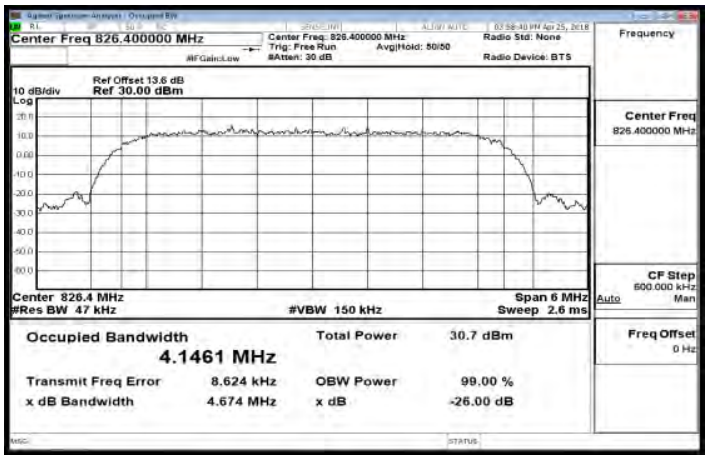
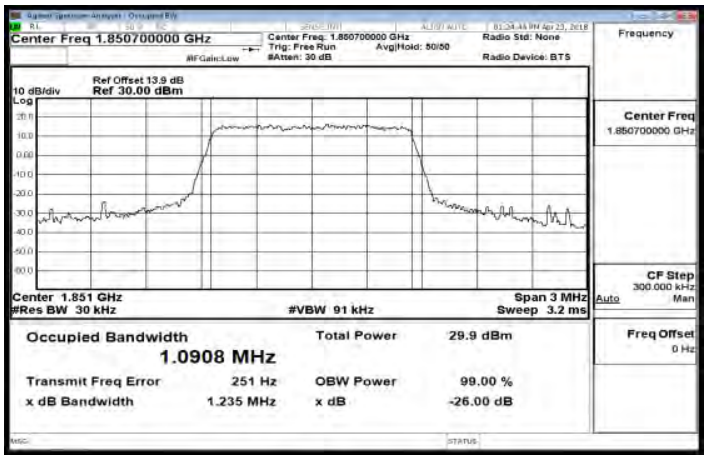
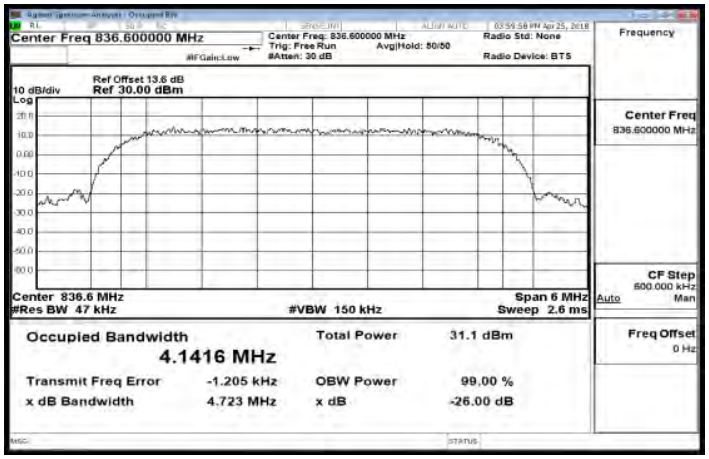
HSUPA_B5_LowCH4132-826.4



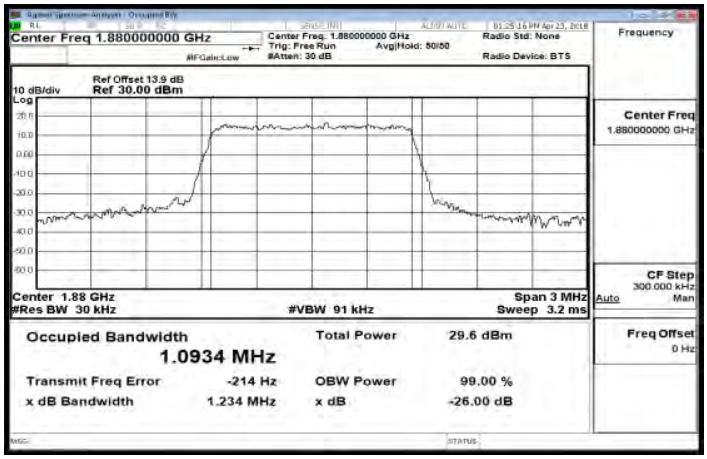
Band2_1_4MHz_QPSK_6_0_LowCH18607-1850.7



HSUPA_B5_MidCH4183-836.6



Band2_1_4MHz_QPSK_6_0_MidCH18900-1880



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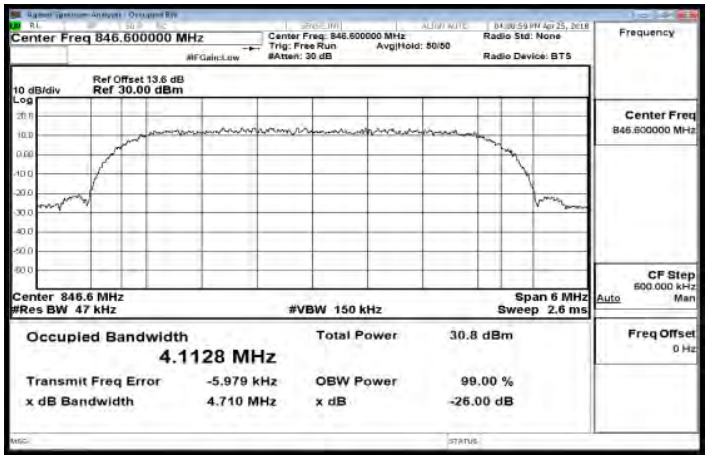
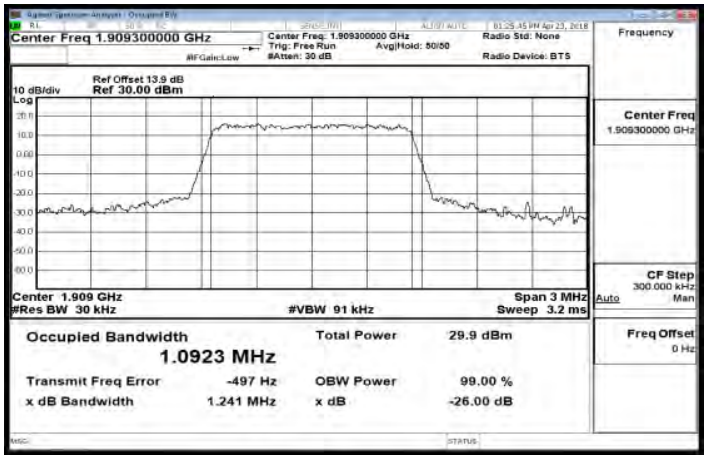


Band2_1_4MHz_QPSK_6_0_HighCH19193-1909.3



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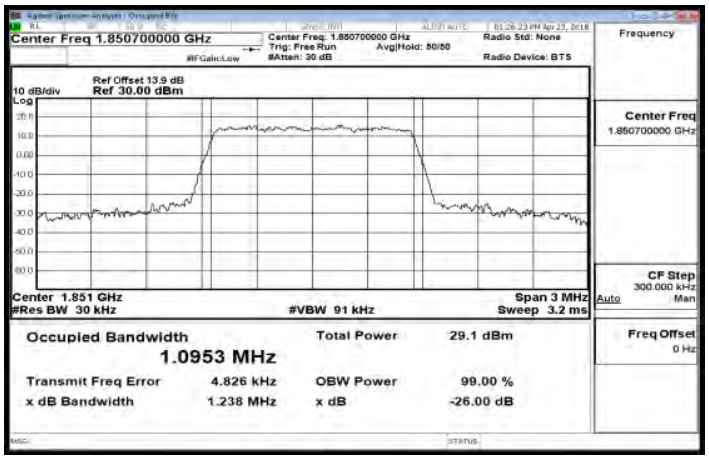
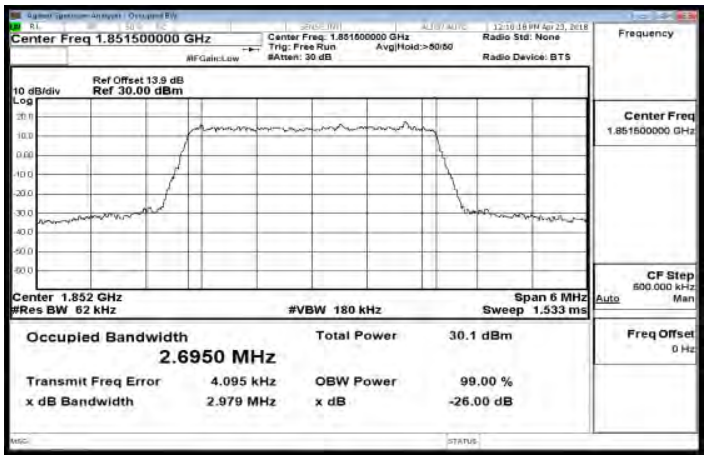
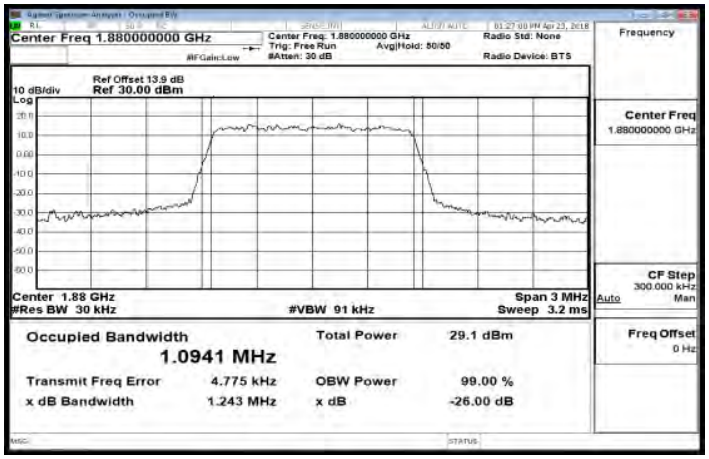
Band2_1_4MHz_16QAM_6_0_LowCH18607-1850.7



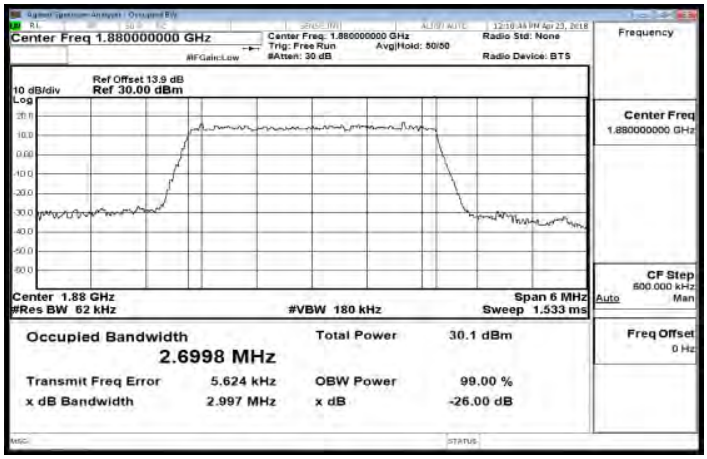
Band2_3MHz_QPSK_15_0_LowCH18615-1851.5



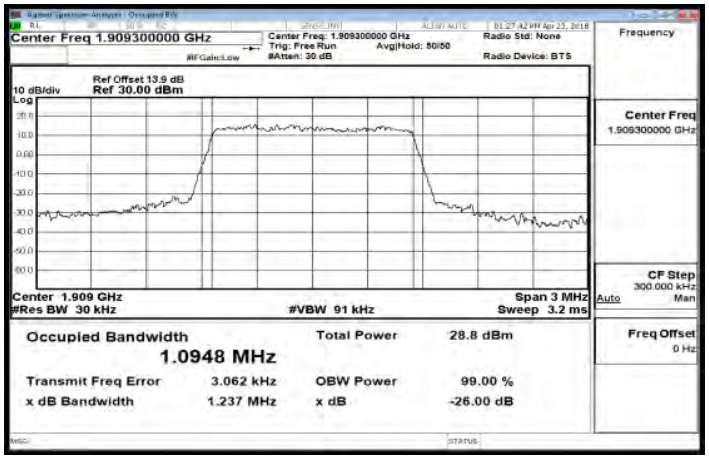
Band2_1_4MHz_16QAM_6_0_MidCH18900-1880



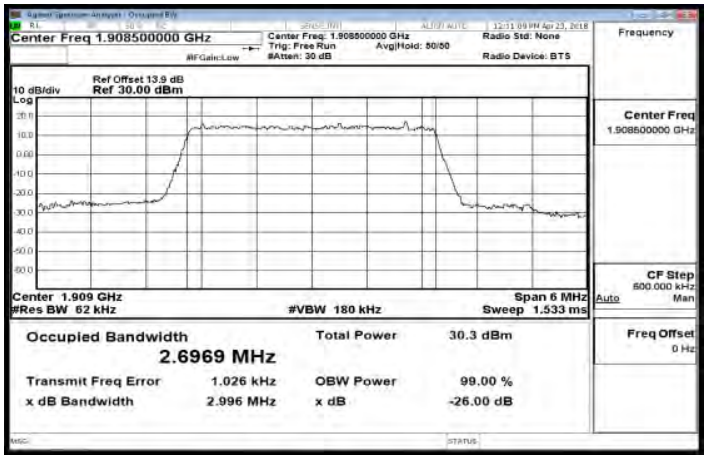
Band2_3MHz_QPSK_15_0_MidCH18900-1880



Band2_1_4MHz_16QAM_6_0_HighCH19193-1909.3



Band2_3MHz_QPSK_15_0_HighCH19185-1908.5



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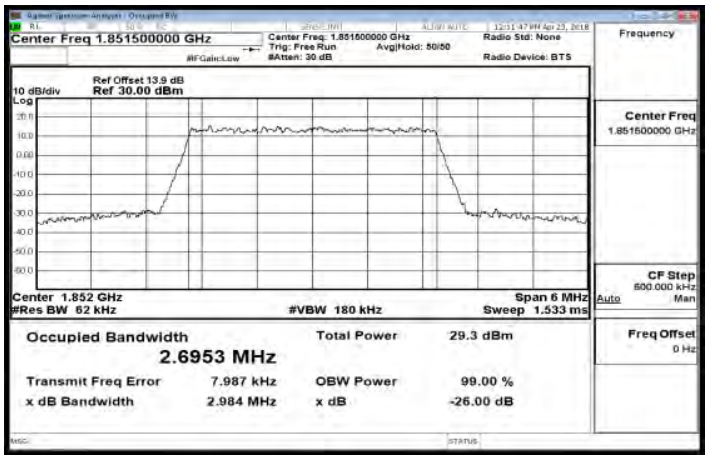
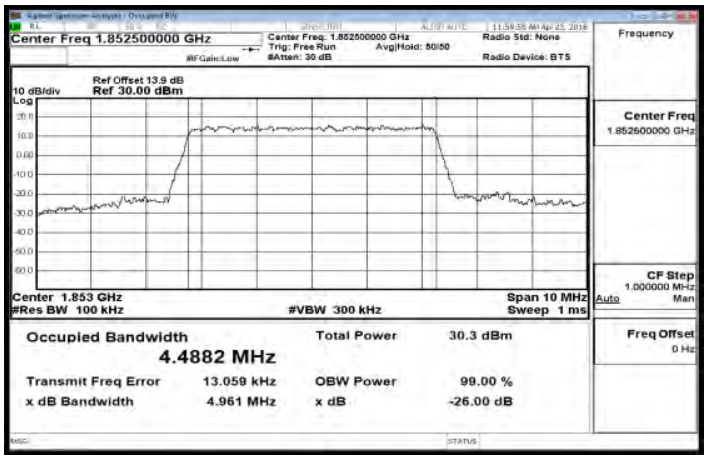
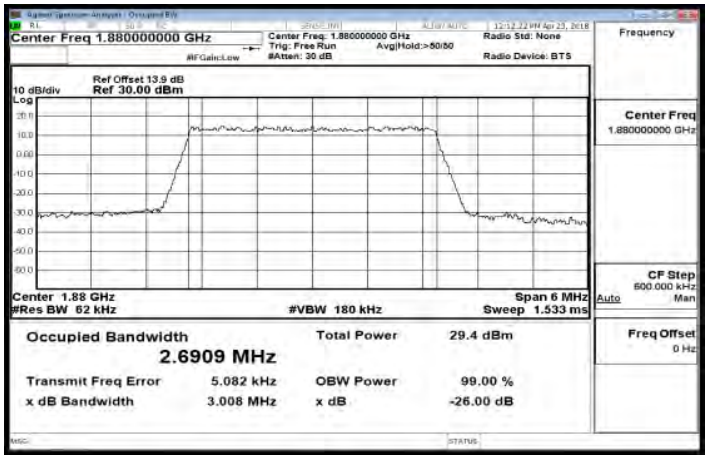
Band2_3MHz_16QAM_15_0_LowCH18615-1851.5



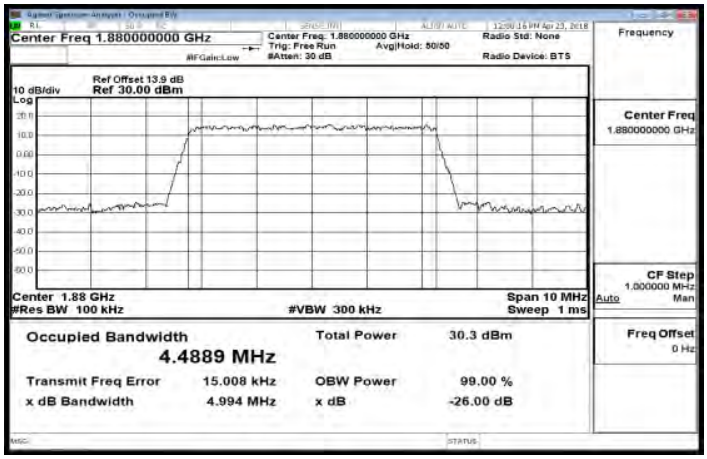
Band2_5MHz_QPSK_25_0_LowCH18625-1852.5



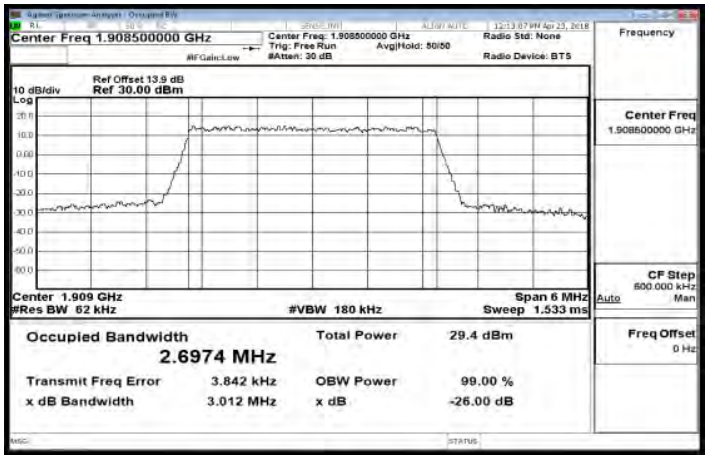
Band2_3MHz_16QAM_15_0_MidCH18900-1880



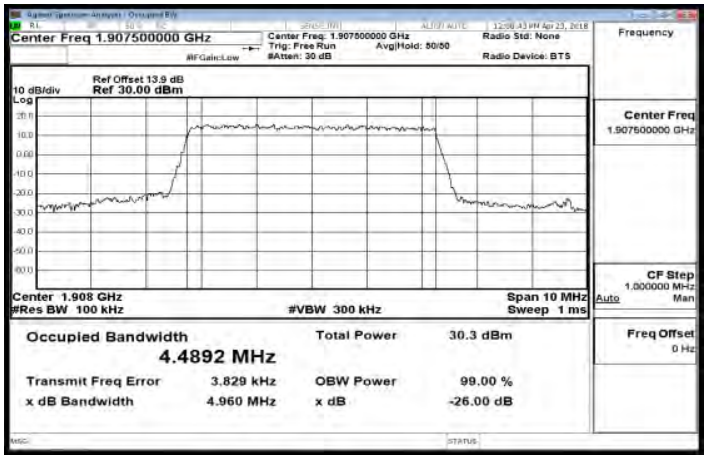
Band2_5MHz_QPSK_25_0_MidCH18900-1880



Band2_3MHz_16QAM_15_0_HighCH19185-1908.5



Band2_5MHz_QPSK_25_0_HighCH19175-1907.5



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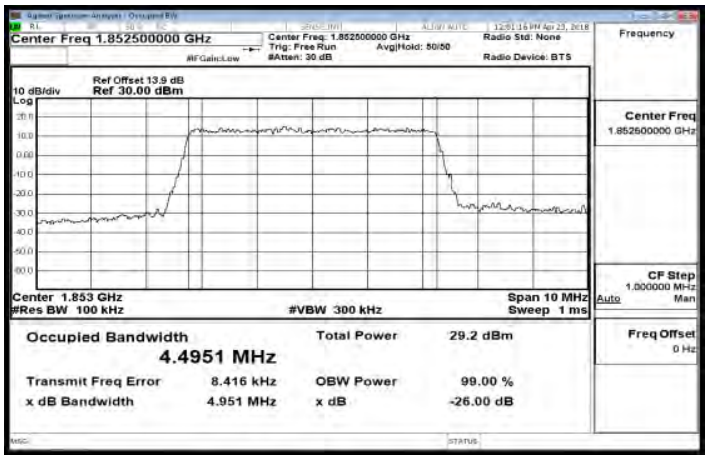
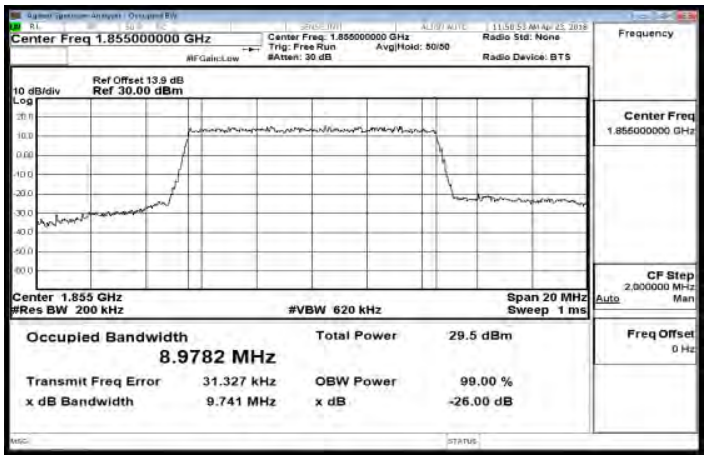
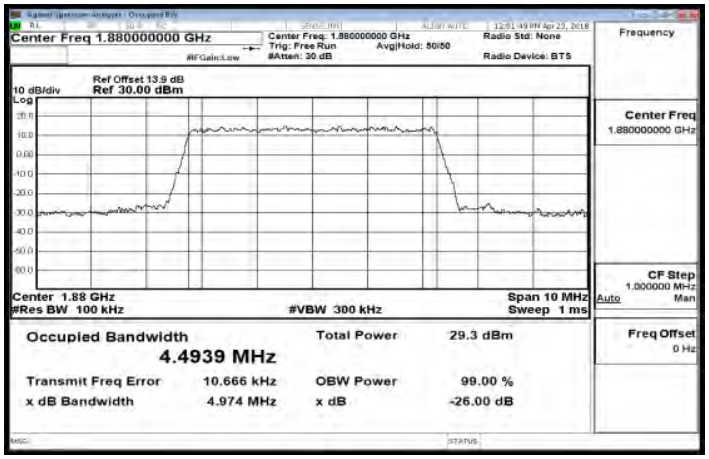
Band2_5MHz_16QAM_25_0_LowCH18625-1852.5



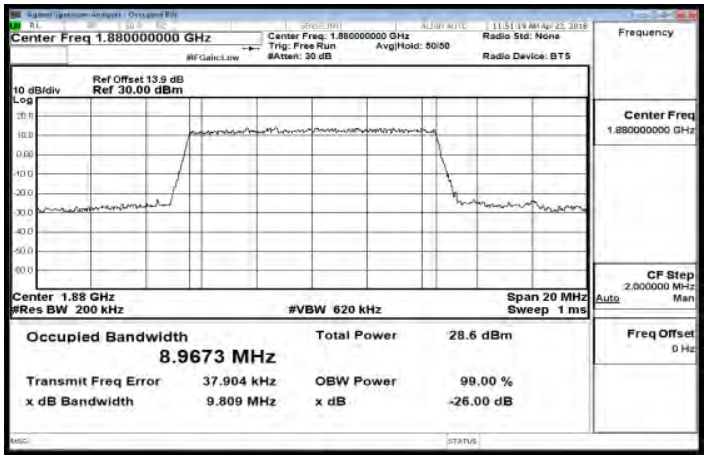
Band2_10MHz_QPSK_50_0_LowCH18650-1855



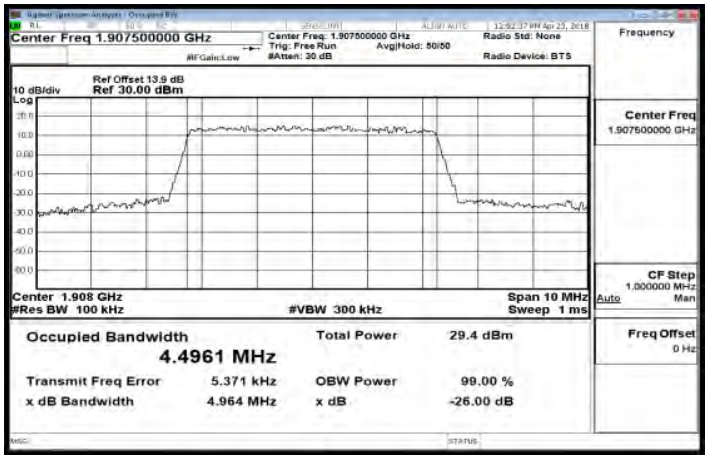
Band2_5MHz_16QAM_25_0_MidCH18900-1880



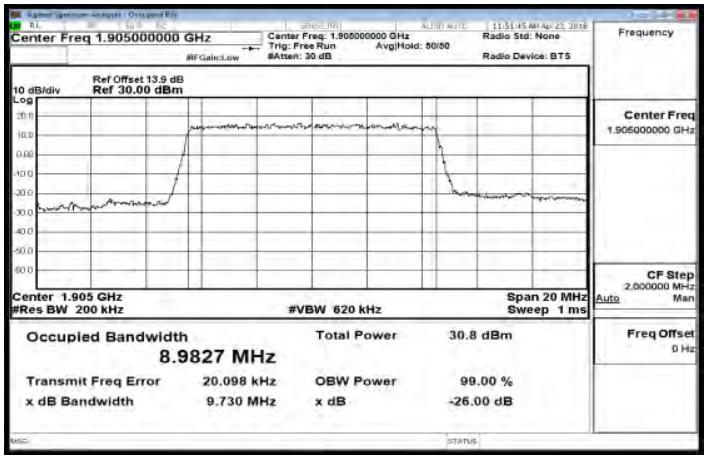
Band2_10MHz_QPSK_50_0_MidCH18900-1880



Band2_5MHz_16QAM_25_0_HighCH19175-1907.5



Band2_10MHz_QPSK_50_0_HighCH19150-1905



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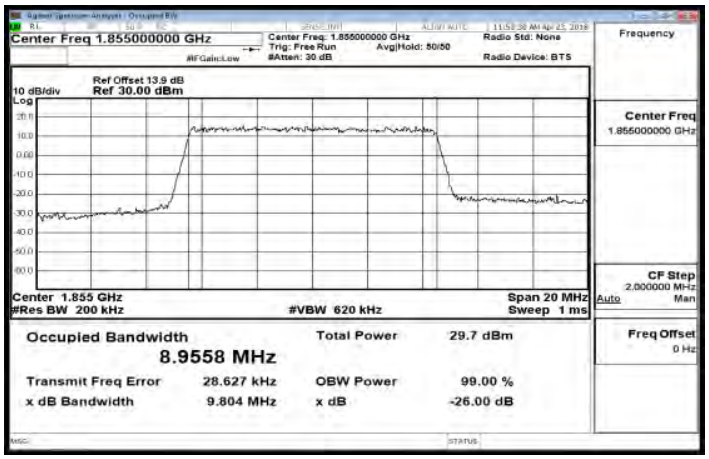
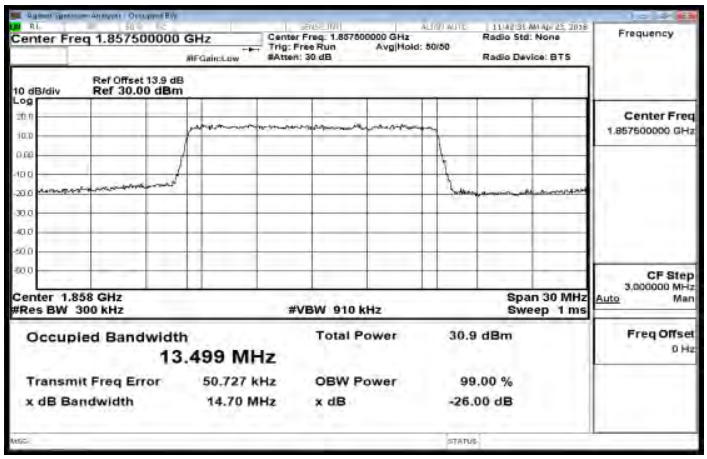
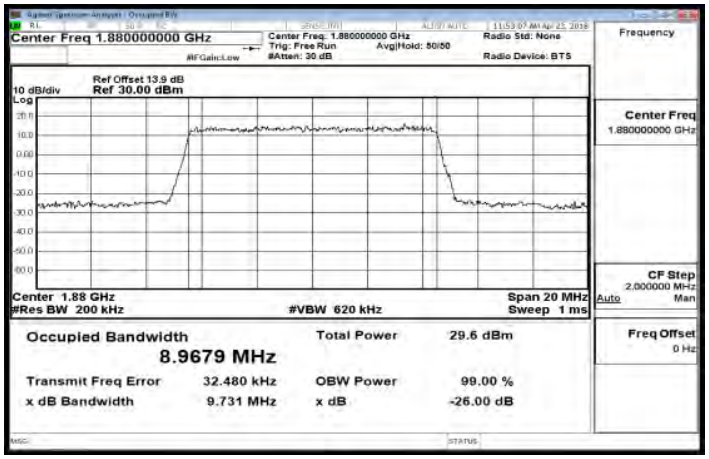
Band2_10MHz_16QAM_50_0_LowCH18650-1855



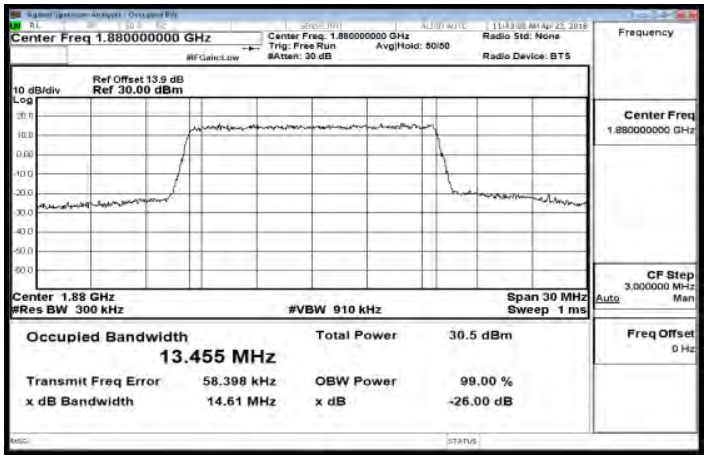
Band2_15MHz_QPSK_75_0_LowCH18675-1857.5



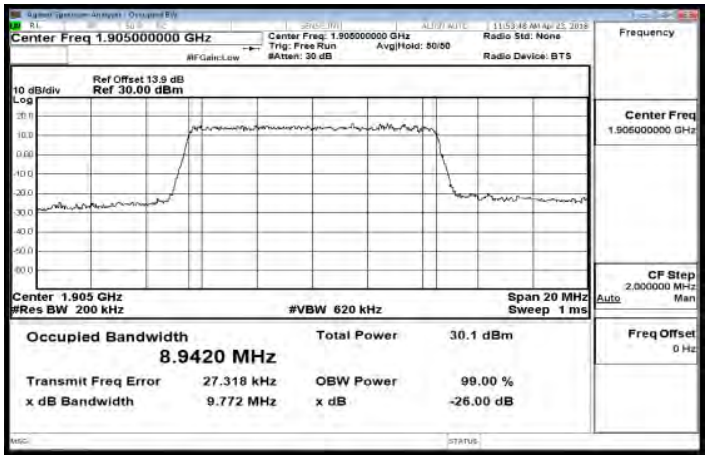
Band2_10MHz_16QAM_50_0_MidCH18900-1880



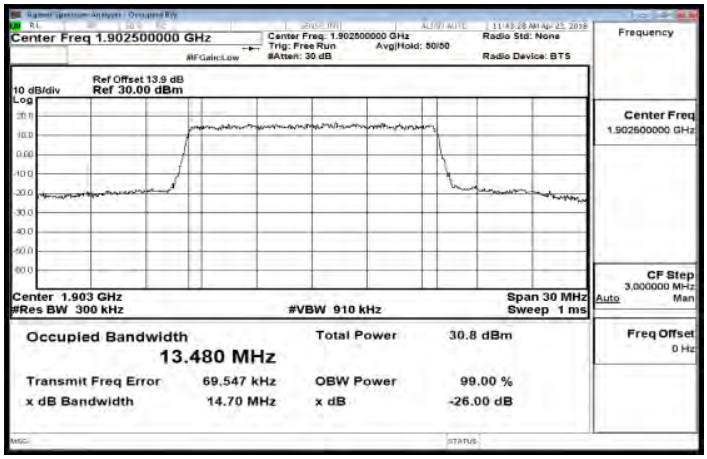
Band2_15MHz_QPSK_75_0_MidCH18900-1880



Band2_10MHz_16QAM_50_0_HighCH19150-1905



Band2_15MHz_QPSK_75_0_HighCH19125-1902.5



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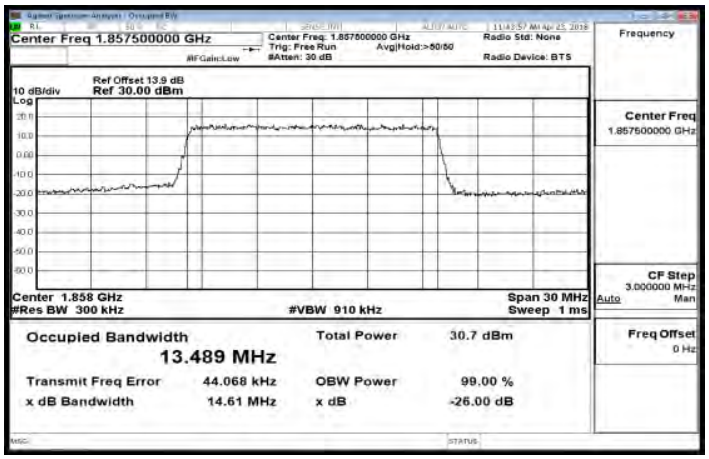
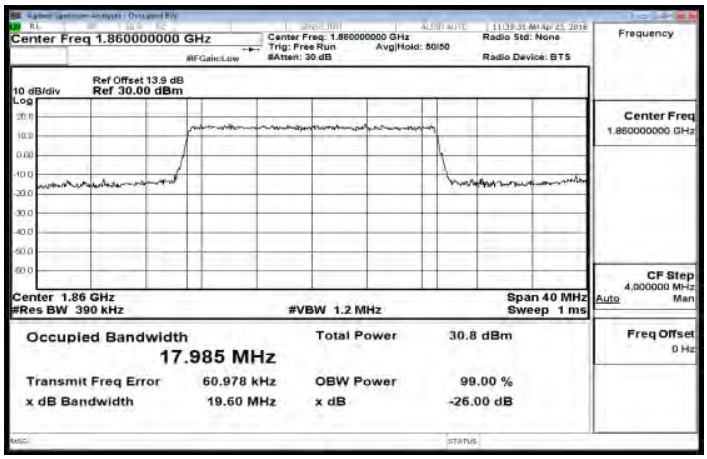
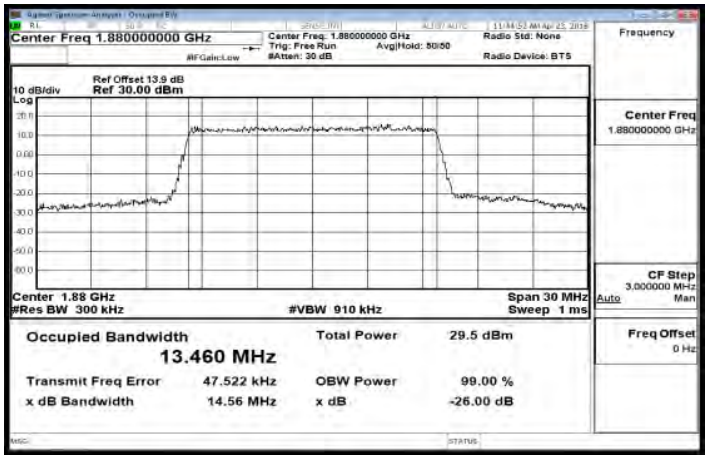
Band2_15MHz_16QAM_75_0_LowCH18675-1857.5



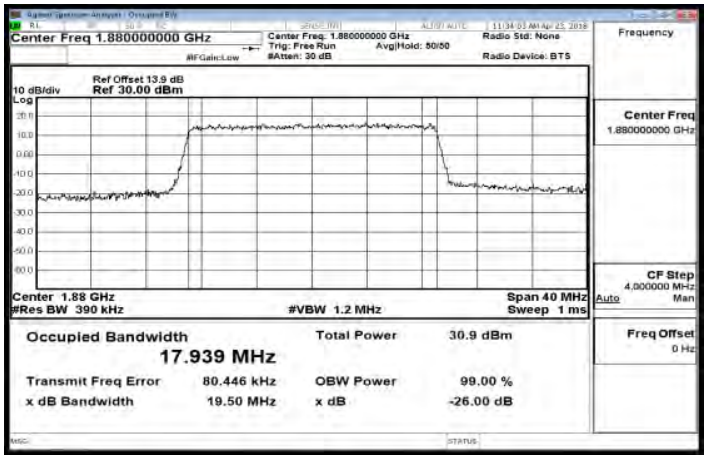
Band2_20MHz_QPSK_100_0_LowCH18700-1860



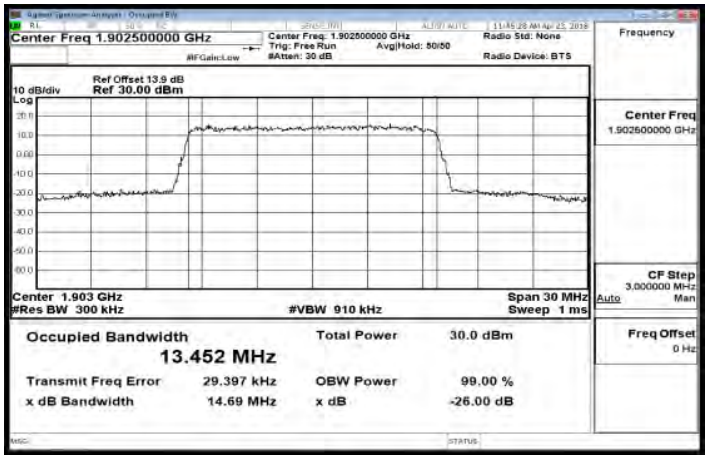
Band2_15MHz_16QAM_75_0_MidCH18900-1880



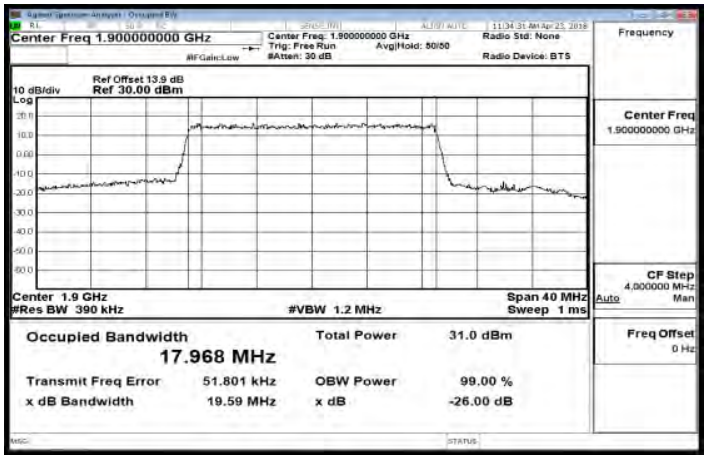
Band2_20MHz_QPSK_100_0_MidCH18900-1880



Band2_15MHz_16QAM_75_0_HighCH19125-1902.5



Band2_20MHz_QPSK_100_0_HighCH19100-1900



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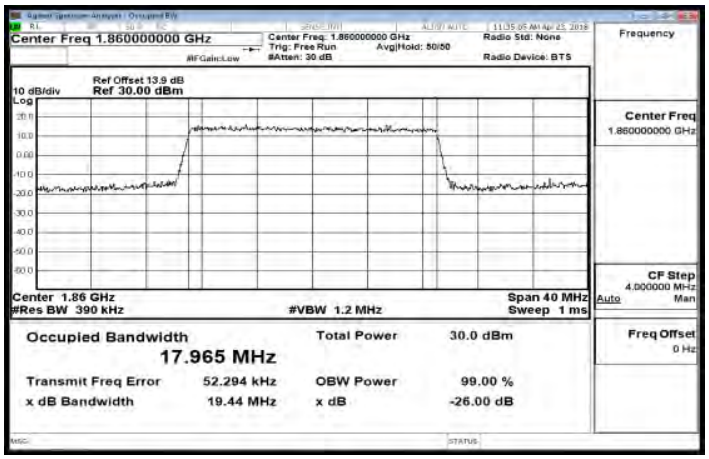
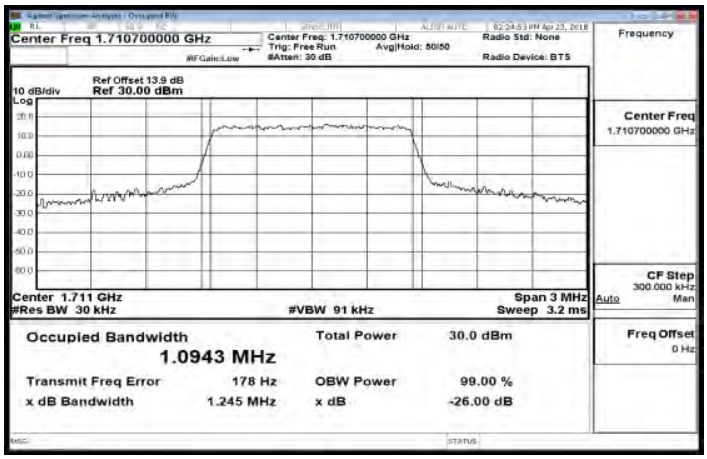
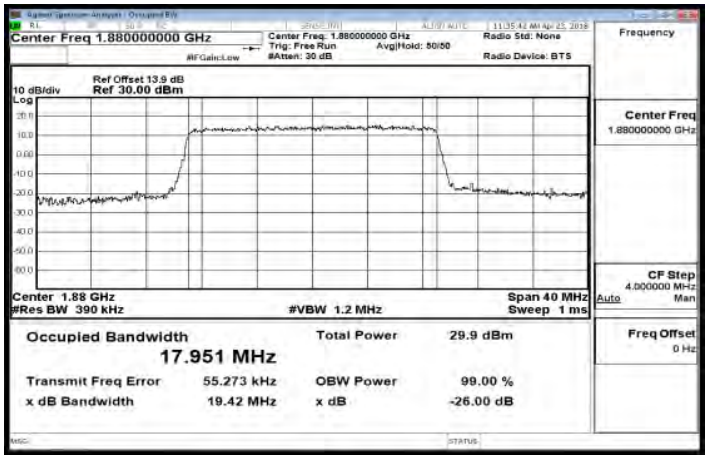
Band2_20MHz_16QAM_100_0_LowCH18700-1860



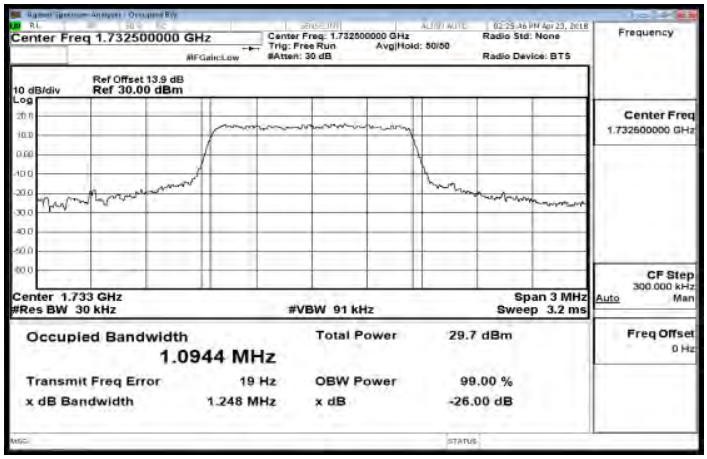
Band4_1_4MHz_QPSK_6_0_LowCH19957-1710.7



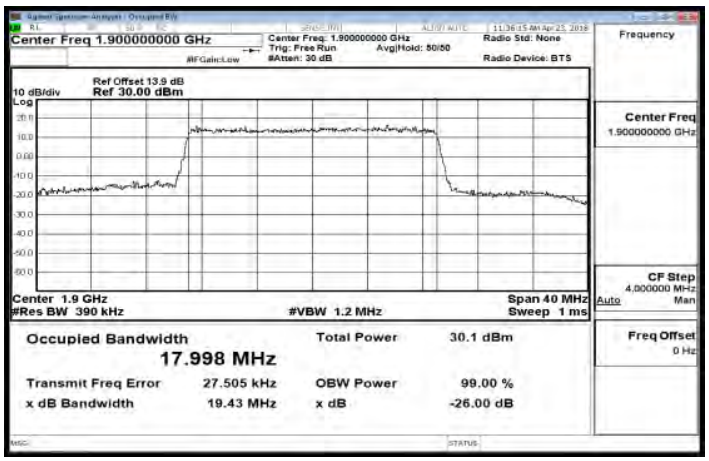
Band2_20MHz_16QAM_100_0_MidCH18900-1880



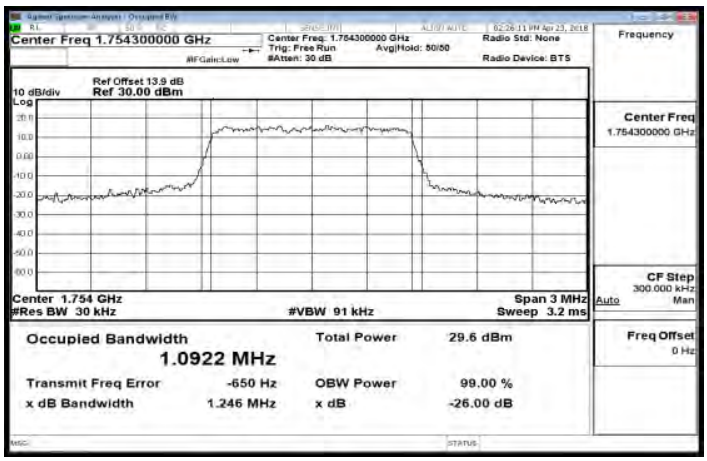
Band4_1_4MHz_QPSK_6_0_MidCH20175-1732.5



Band2_20MHz_16QAM_100_0_HighCH19100-1900



Band4_1_4MHz_QPSK_6_0_HighCH20393-1754.3



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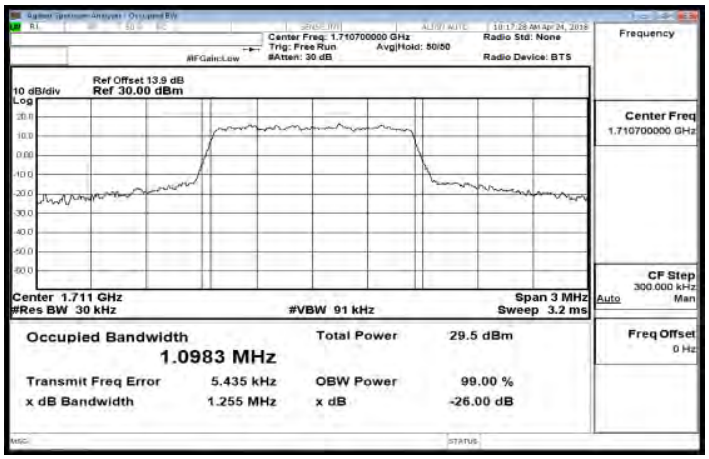
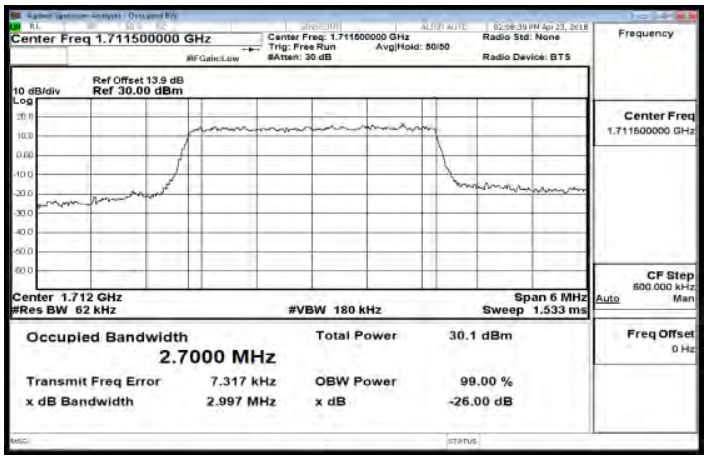
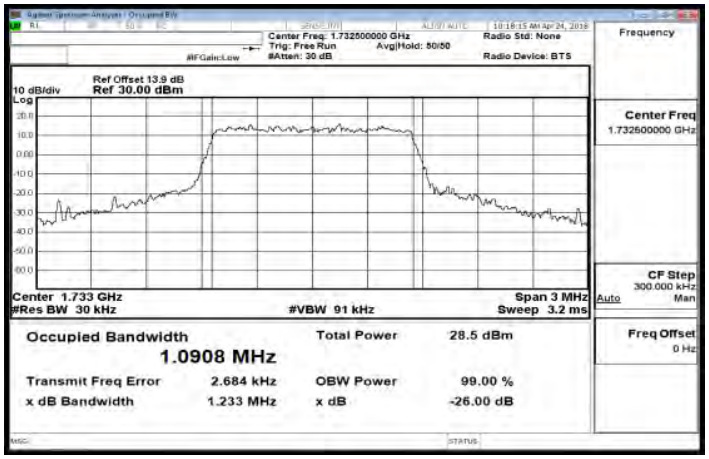
Band4_1_4MHz_16QAM_6_0_LowCH19957



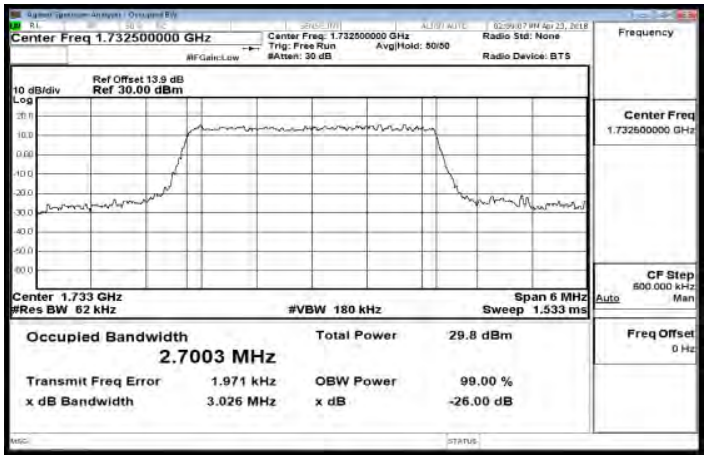
Band4_3MHz_QPSK_15_0_LowCH19965-1711.5



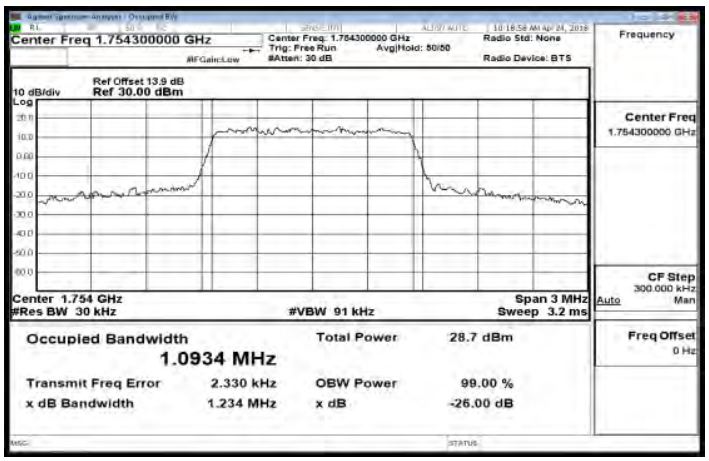
Band4_1_4MHz_16QAM_6_0_MidCH20175



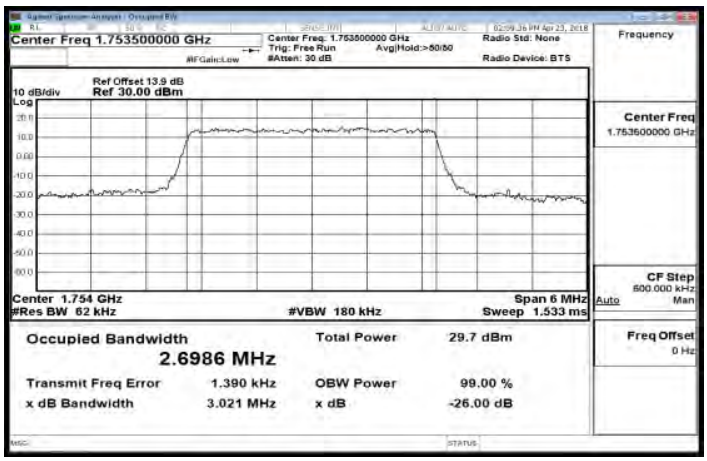
Band4_3MHz_QPSK_15_0_MidCH20175-1732.5



Band4_1_4MHz_16QAM_6_0_HighCH20393



Band4_3MHz_QPSK_15_0_HighCH20385-1753.5



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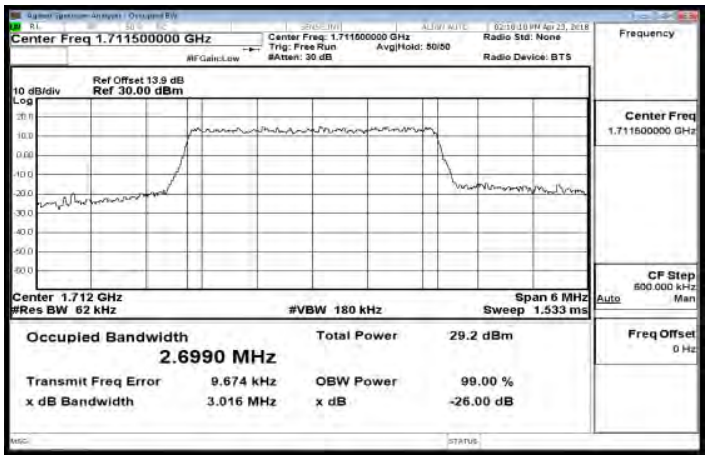
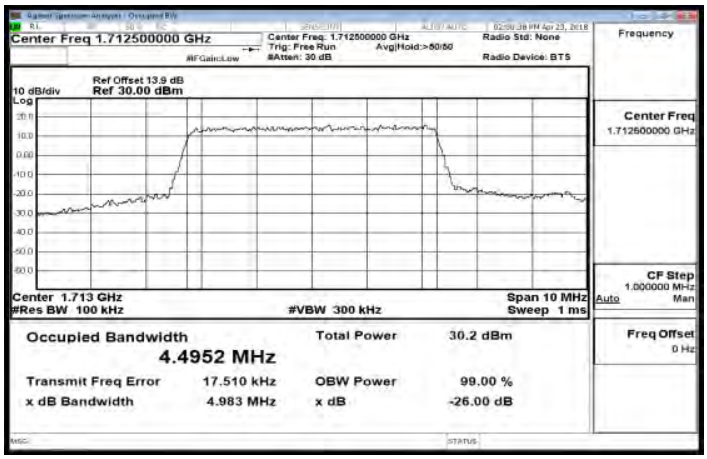
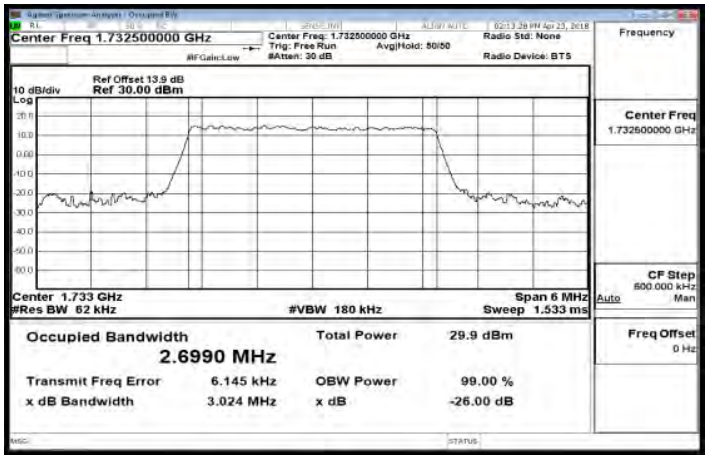
Band4_3MHz_16QAM_15_0_LowCH19965-1711.5



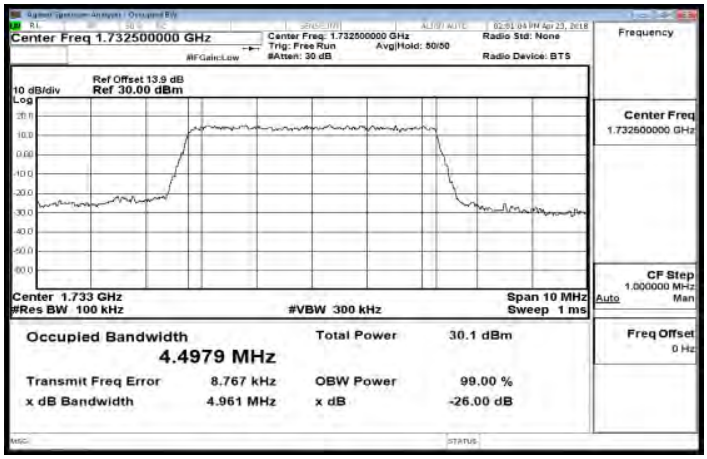
Band4_5MHz_QPSK_25_0_LowCH19975-1712.5



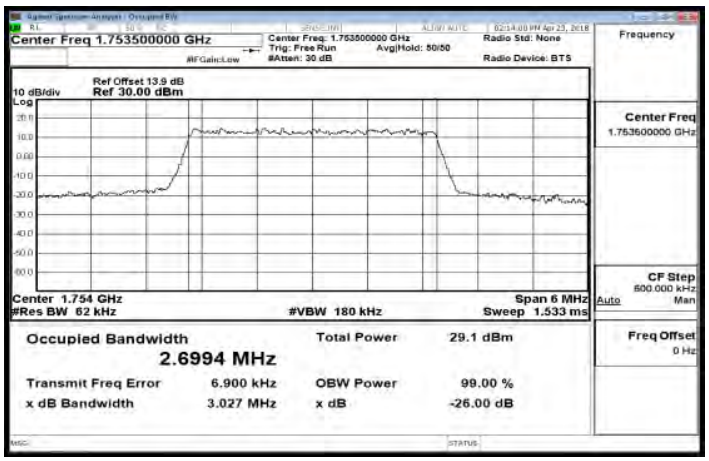
Band4_3MHz_16QAM_15_0_MidCH20175-1732.5



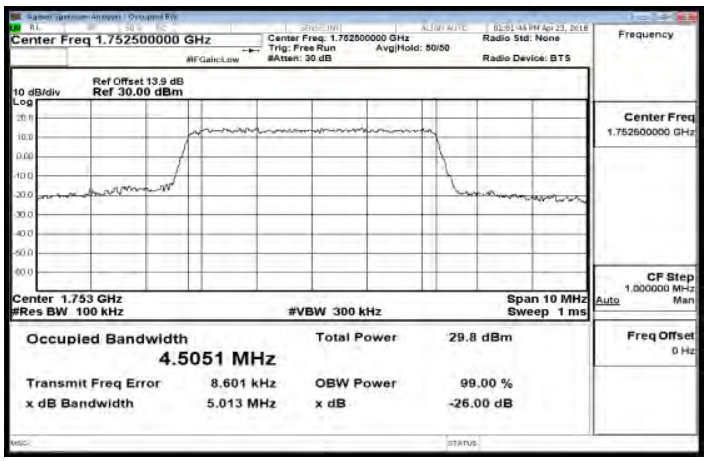
Band4_5MHz_QPSK_25_0_MidCH20175-1732.5



Band4_3MHz_16QAM_15_0_HighCH20385-1753.5



Band4_5MHz_QPSK_25_0_HighCH20375-1752.5



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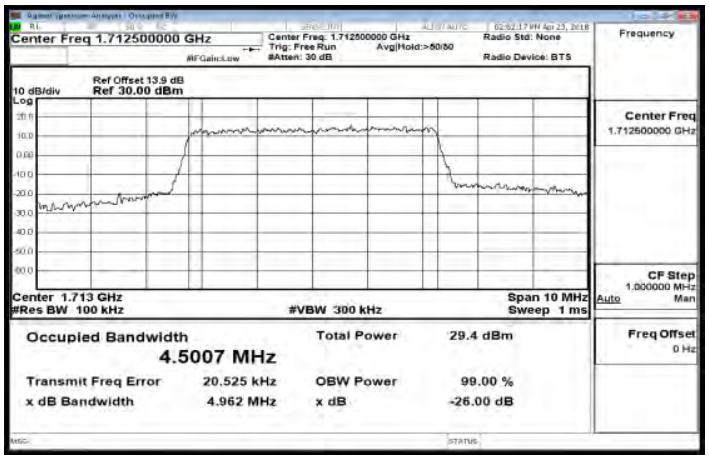
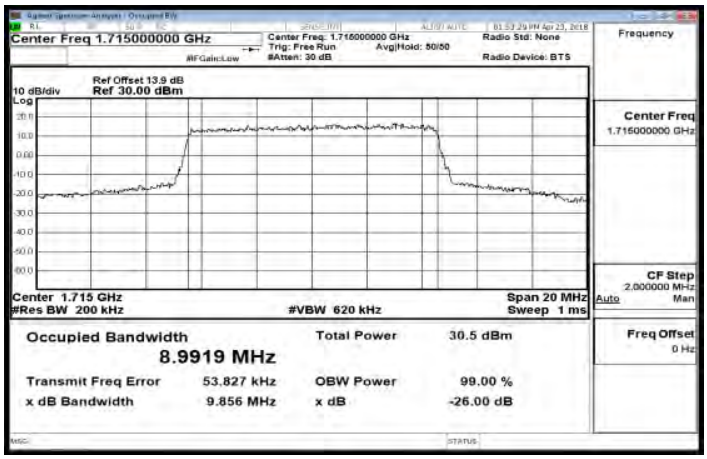
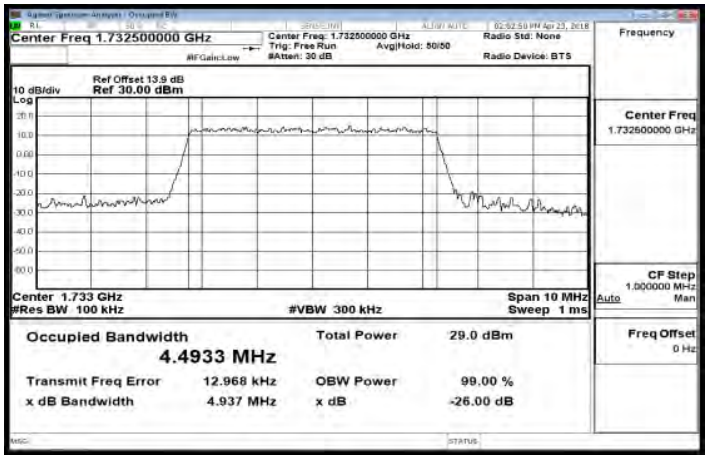
Band4_5MHz_16QAM_25_0_LowCH19975-1712.5



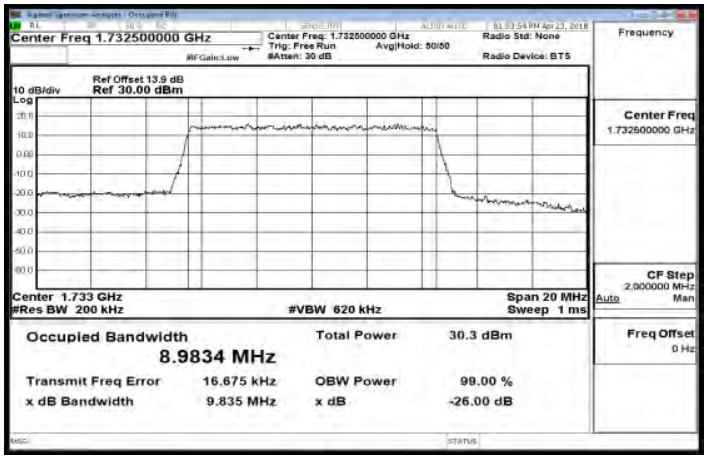
Band4_10MHz_QPSK_50_0_LowCH20000-1715



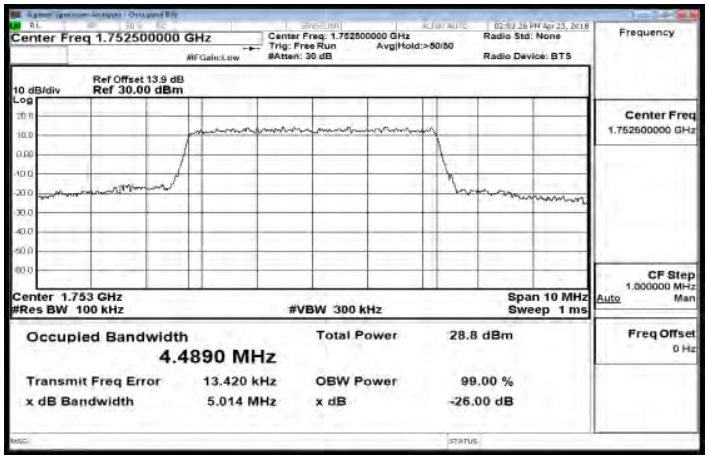
Band4_5MHz_16QAM_25_0_MidCH20175-1732.5



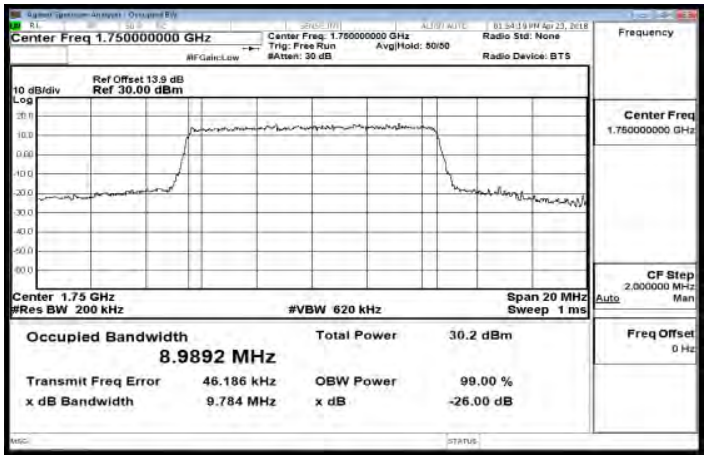
Band4_10MHz_QPSK_50_0_MidCH20175-1732.5



Band4_5MHz_16QAM_25_0_HighCH20375-1752.5



Band4_10MHz_QPSK_50_0_HighCH20350-1750



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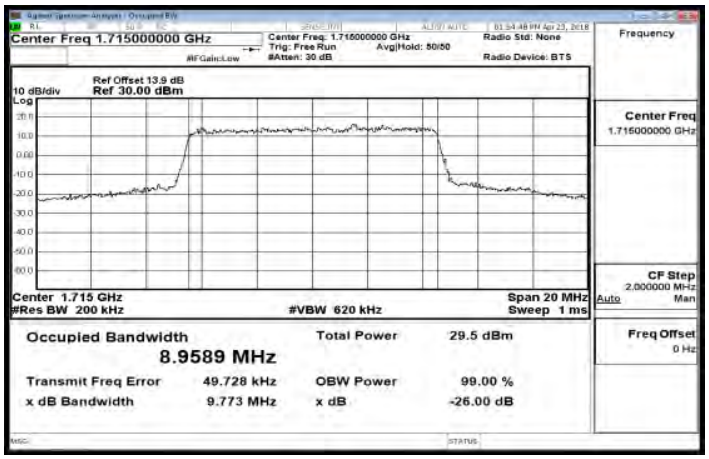
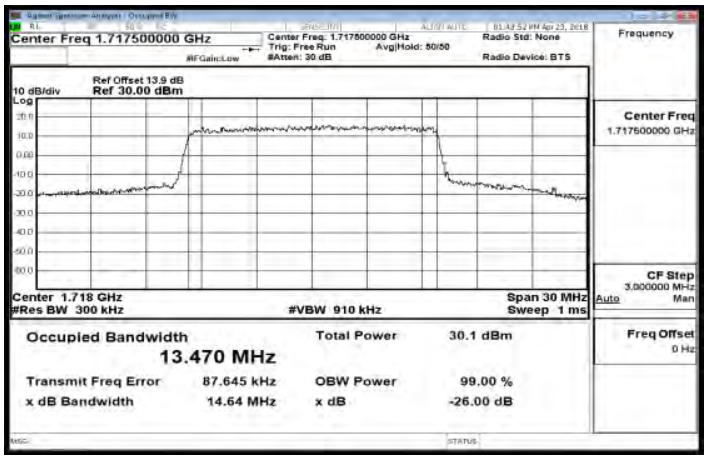
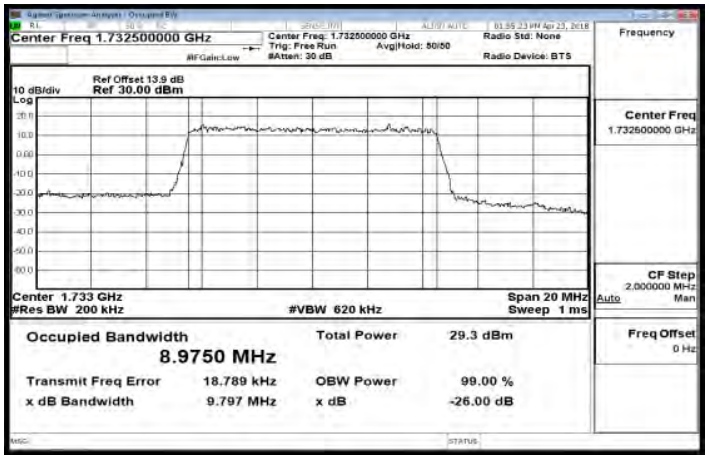
Band4_10MHz_16QAM_50_0_LowCH20000-1715



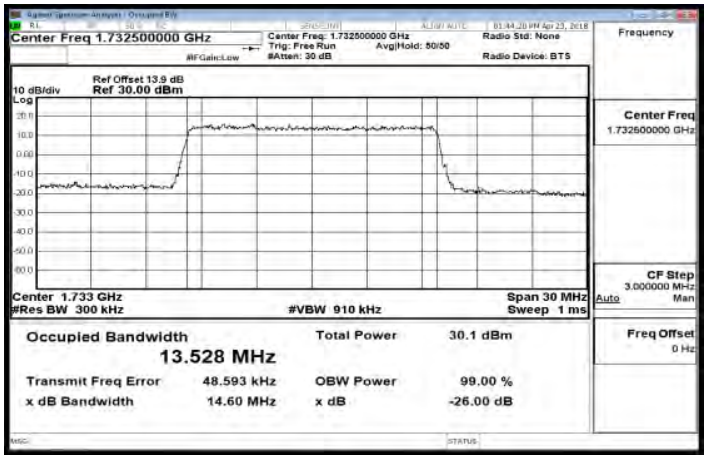
Band4_15MHz_QPSK_75_0_LowCH20025-1717.5



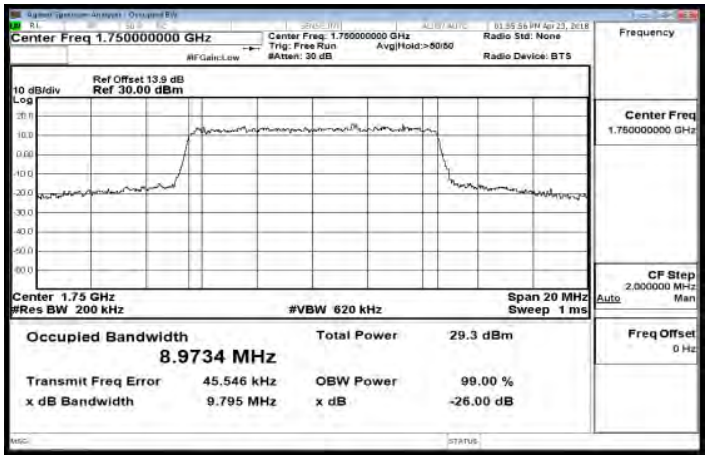
Band4_10MHz_16QAM_50_0_MidCH20175-1732.5



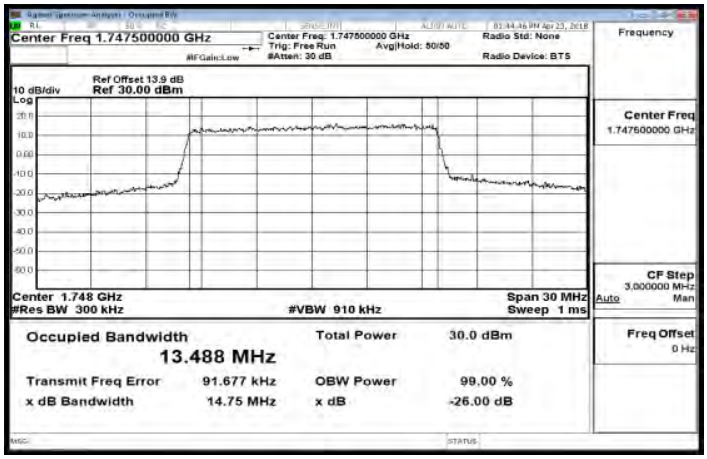
Band4_15MHz_QPSK_75_0_MidCH20175-1732.5



Band4_10MHz_16QAM_50_0_HighCH20350-1750



Band4_15MHz_QPSK_75_0_HighCH20325-1747.5



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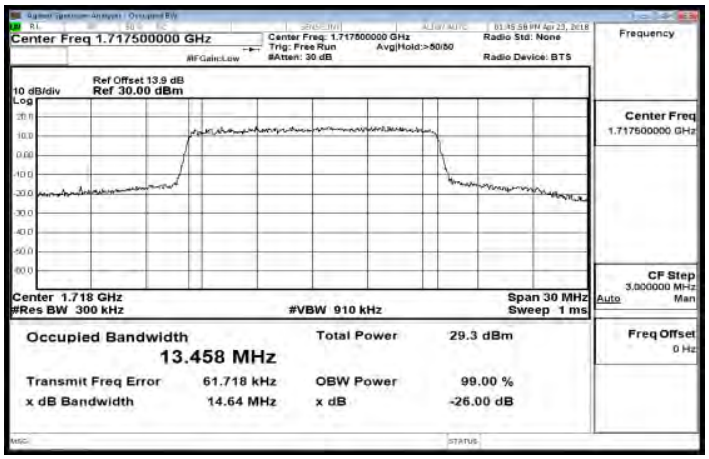
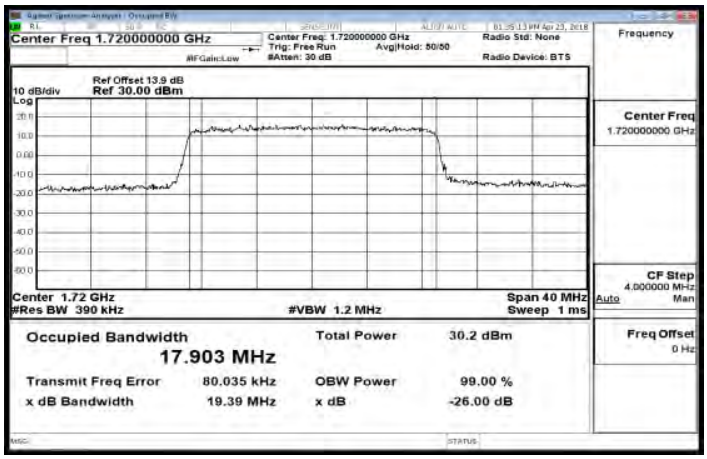
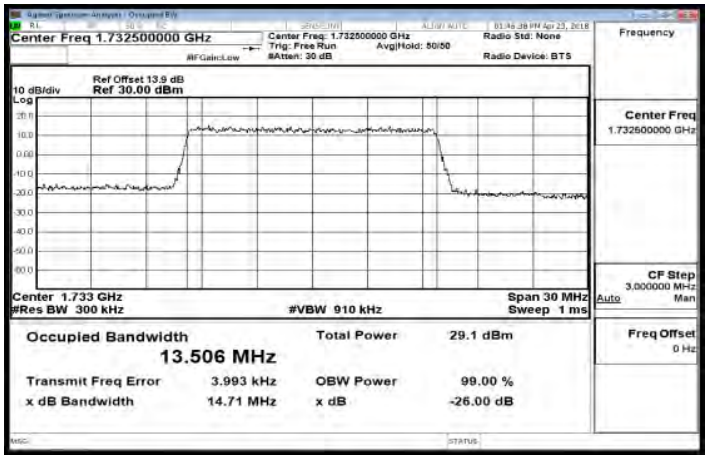
Band4_15MHz_16QAM_75_0_LowCH20025-1717.5



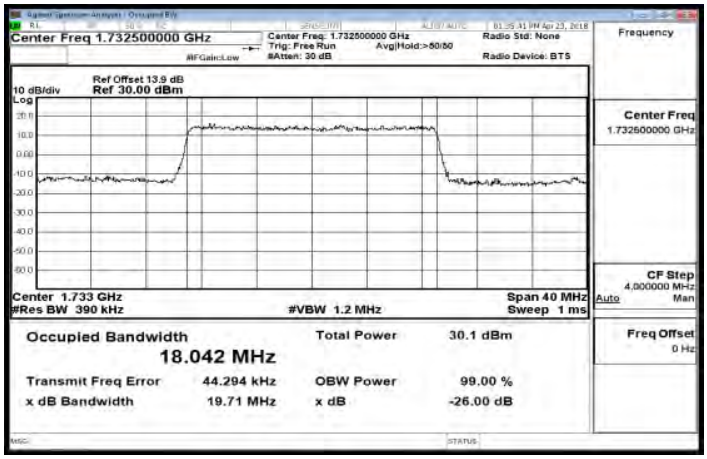
Band4_20MHz_QPSK_100_0_LowCH20050-1720



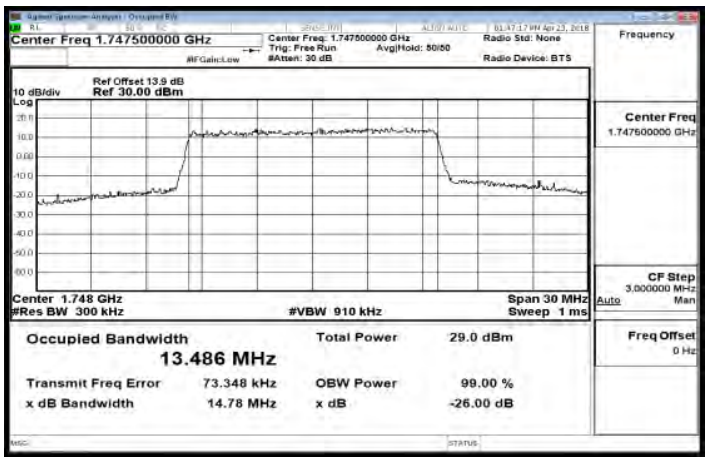
Band4_15MHz_16QAM_75_0_MidCH20175-1732.5



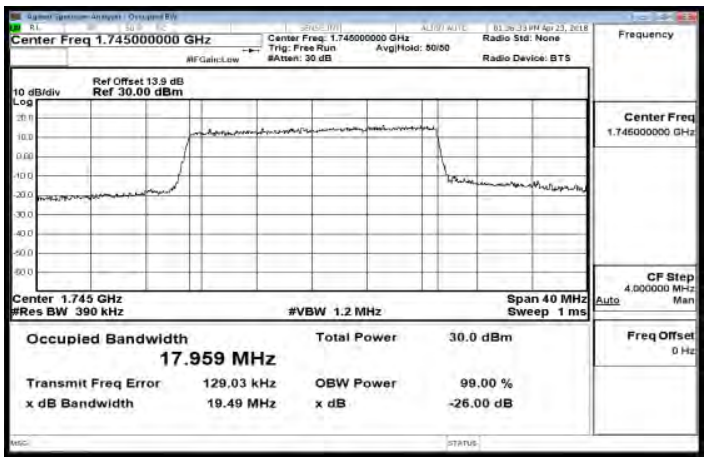
Band4_20MHz_QPSK_100_0_MidCH20175-1732.5



Band4_15MHz_16QAM_75_0_HighCH20325-1747.5



Band4_20MHz_QPSK_100_0_HighCH20300-1745



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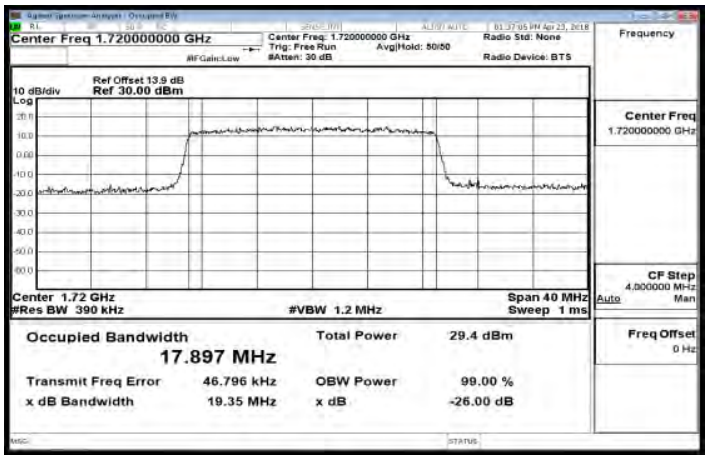
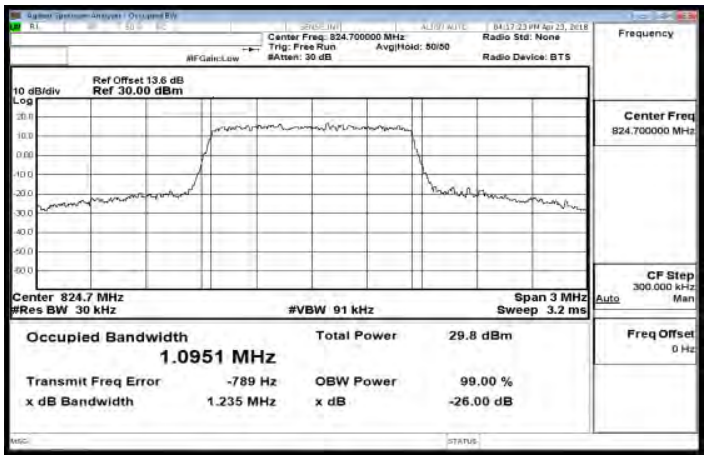
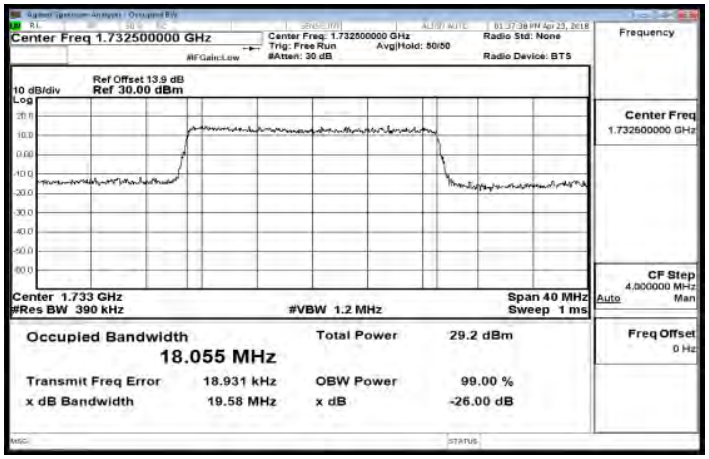
Band4_20MHz_16QAM_100_0_LowCH20050-1720



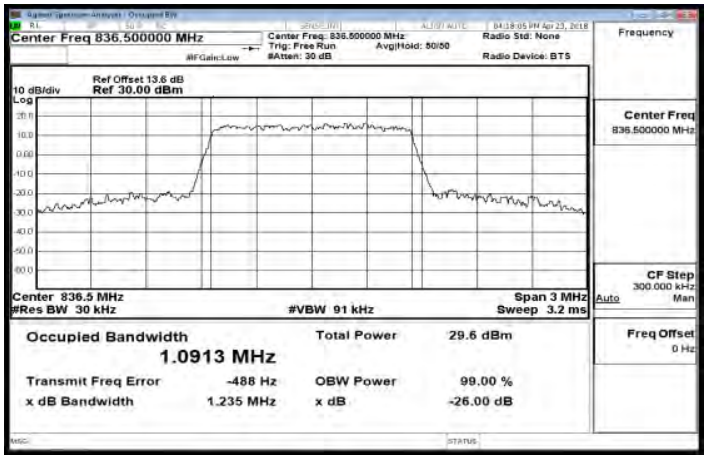
Band5_1_4MHz_QPSK_6_0_LowCH20407



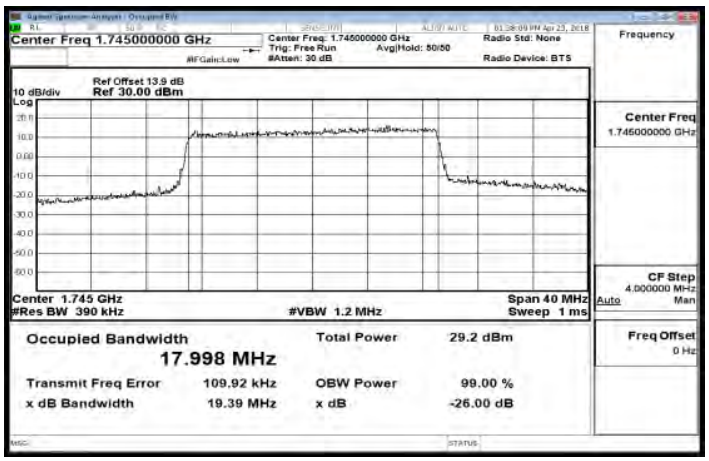
Band4_20MHz_16QAM_100_0_MidCH20175-1732.5



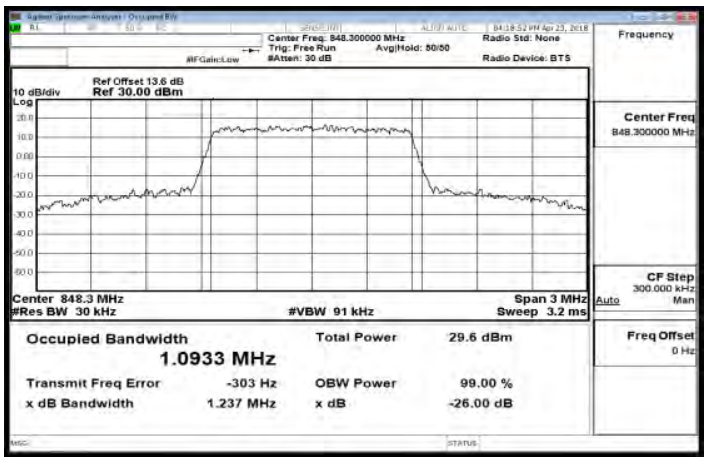
Band5_1_4MHz_QPSK_6_0_MidCH20525



Band4_20MHz_16QAM_100_0_HighCH20300-1745



Band5_1_4MHz_QPSK_6_0_HighCH20643



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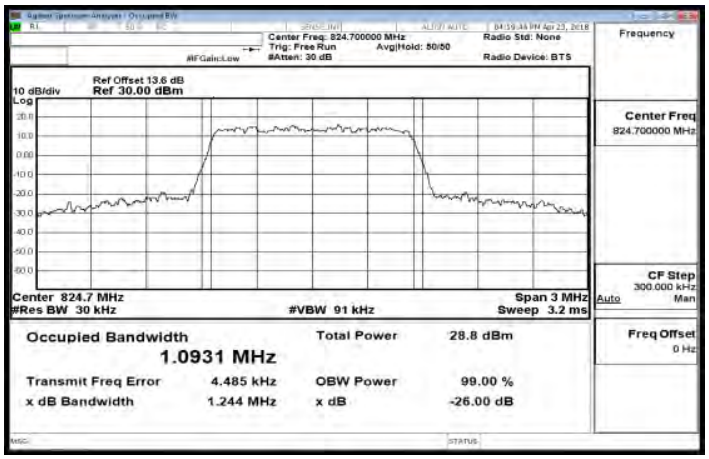
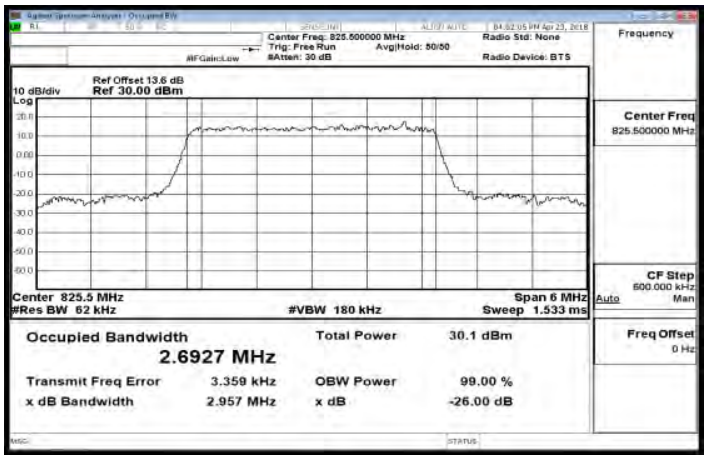
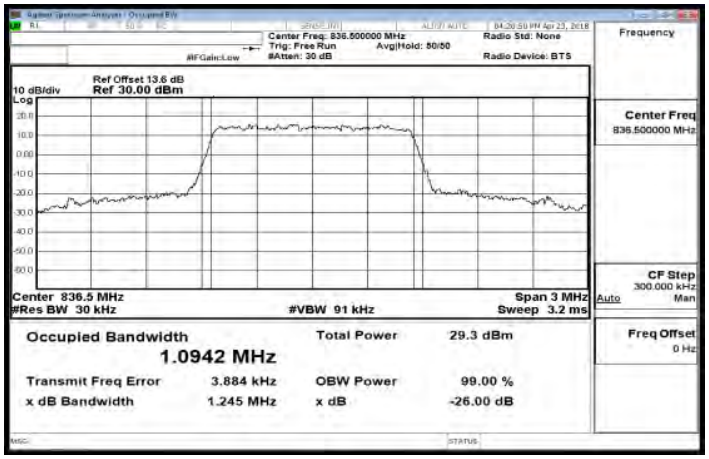
Band5_1_4MHz_16QAM_6_0_LowCH20407



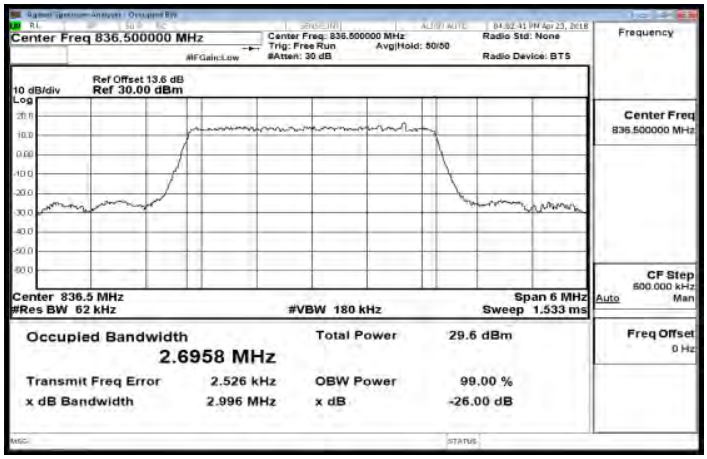
Band5_3MHz_QPSK_15_0_LowCH20415



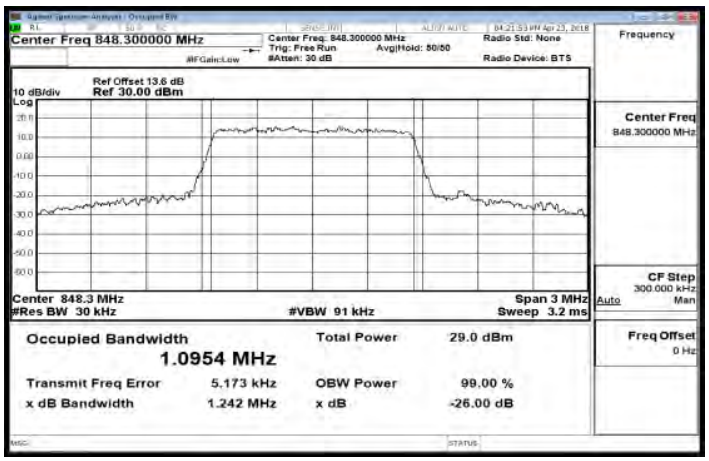
Band5_1_4MHz_16QAM_6_0_MidCH20525



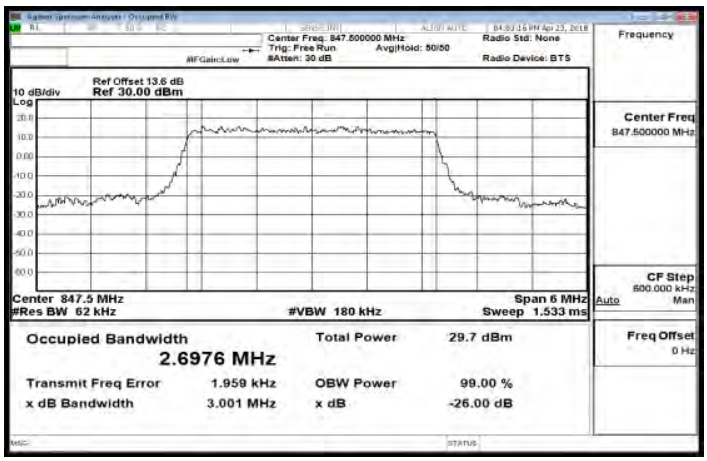
Band5_3MHz_QPSK_15_0_MidCH20525



Band5_1_4MHz_16QAM_6_0_HighCH20643



Band5_3MHz_QPSK_15_0_HighCH20635



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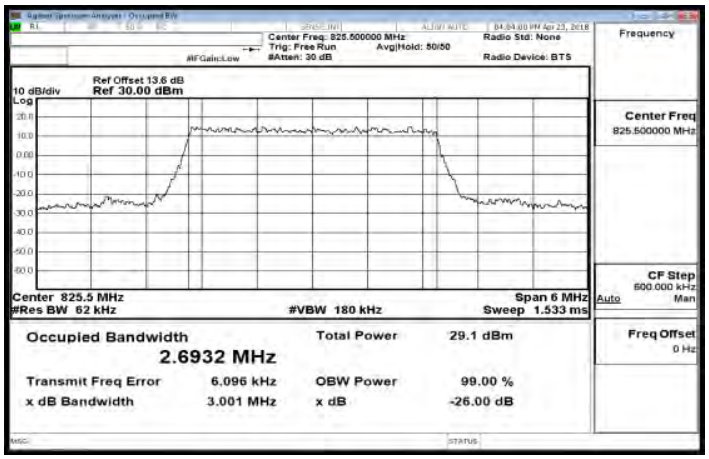
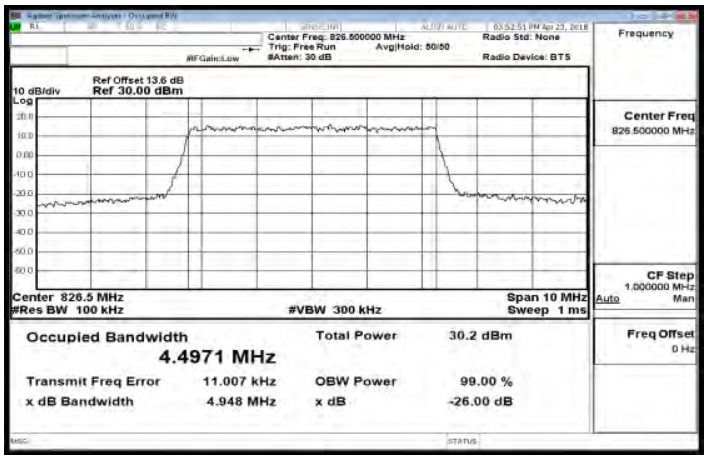
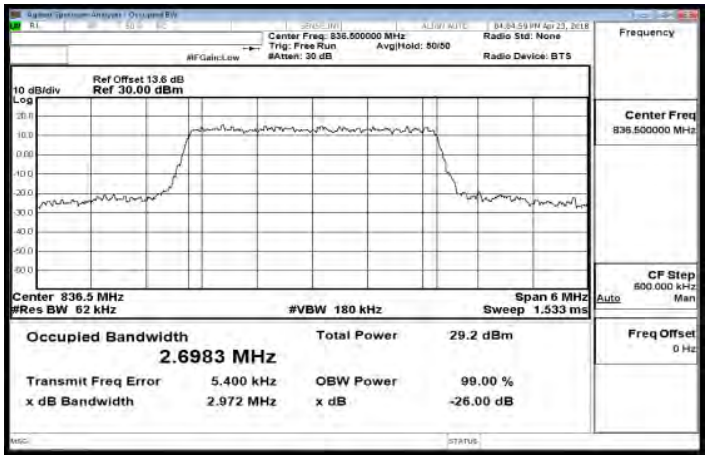
Band5_3MHz_16QAM_15_0_LowCH20415



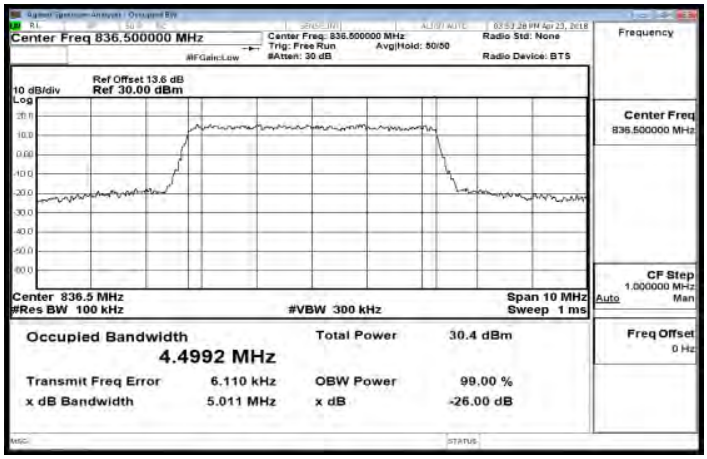
Band5_5MHz_QPSK_25_0_LowCH20425



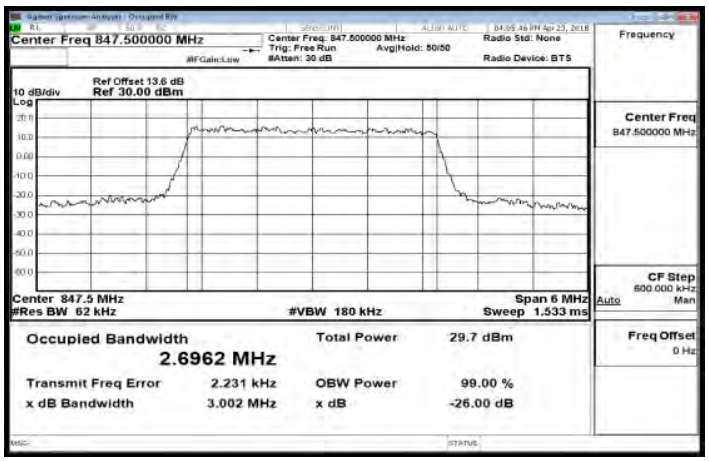
Band5_3MHz_16QAM_15_0_MidCH20525



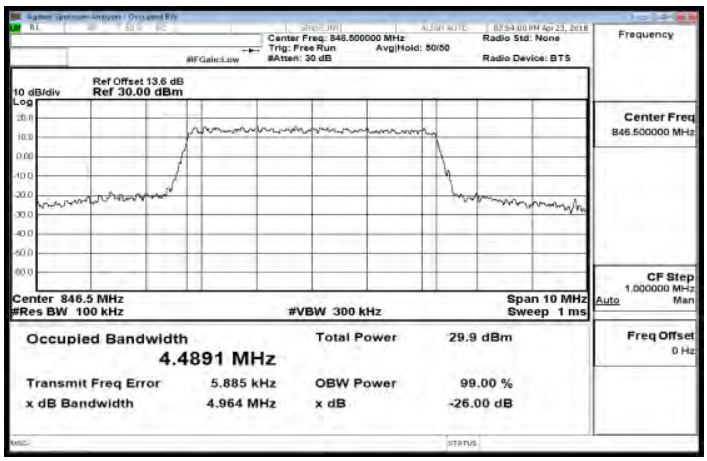
Band5_5MHz_QPSK_25_0_MidCH20525



Band5_3MHz_16QAM_15_0_HighCH20635



Band5_5MHz_QPSK_25_0_HighCH20625



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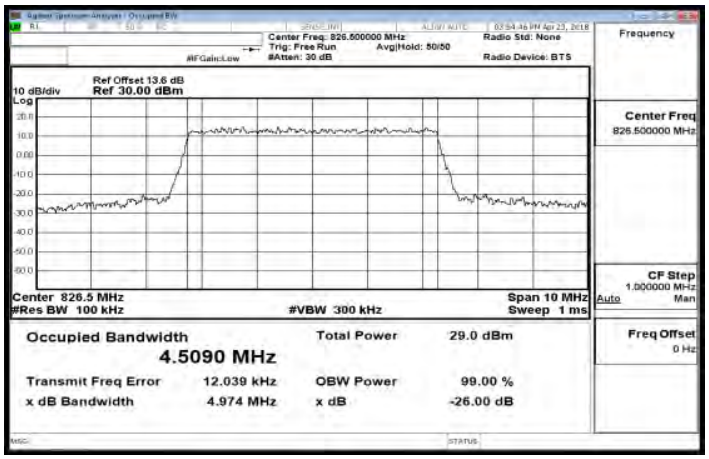
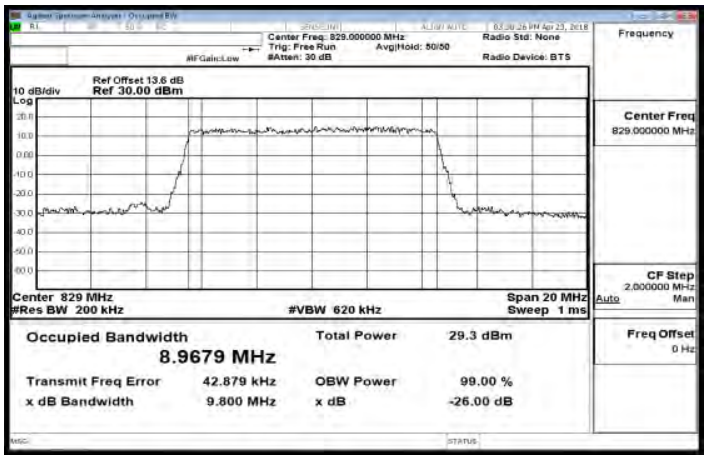
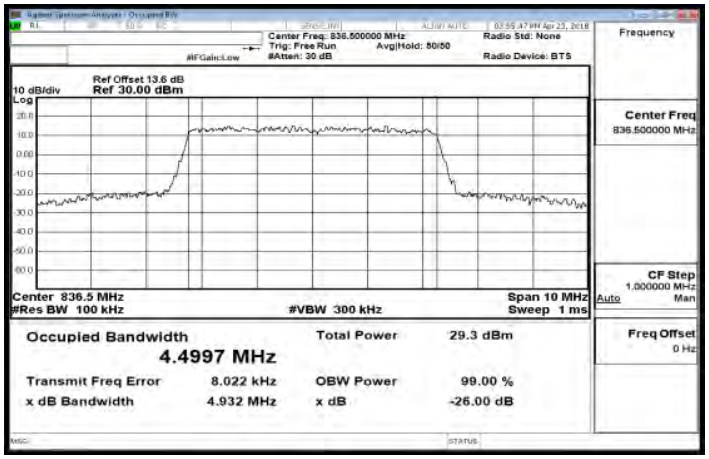
Band5_5MHz_16QAM_25_0_LowCH20425



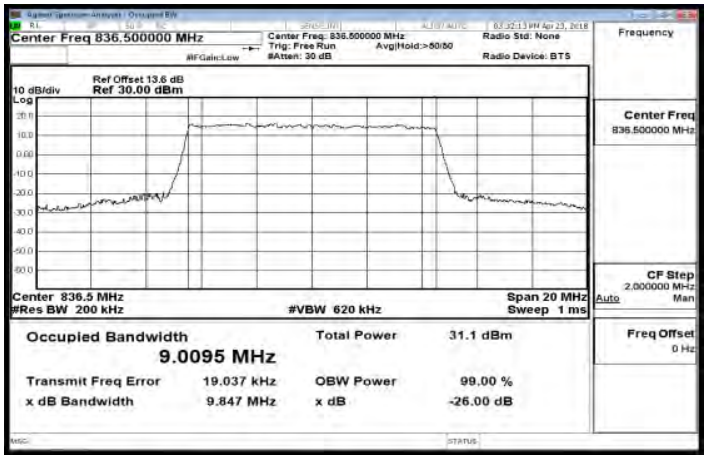
Band5_10MHz_QPSK_50_0_LowCH20450



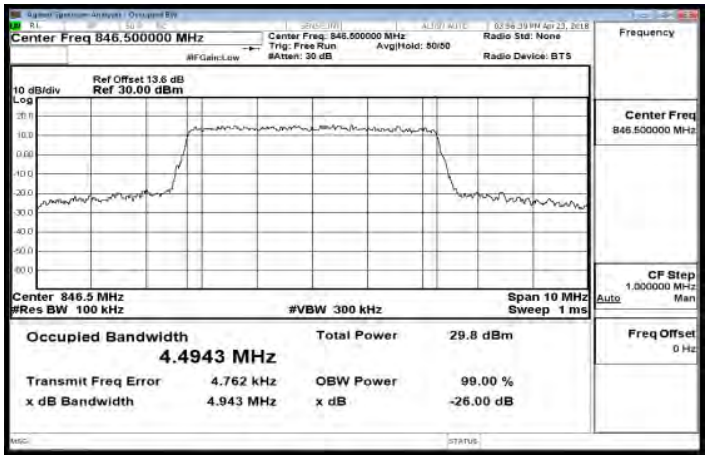
Band5_5MHz_16QAM_25_0_MidCH20525



Band5_10MHz_QPSK_50_0_MidCH20525



Band5_5MHz_16QAM_25_0_HighCH20625



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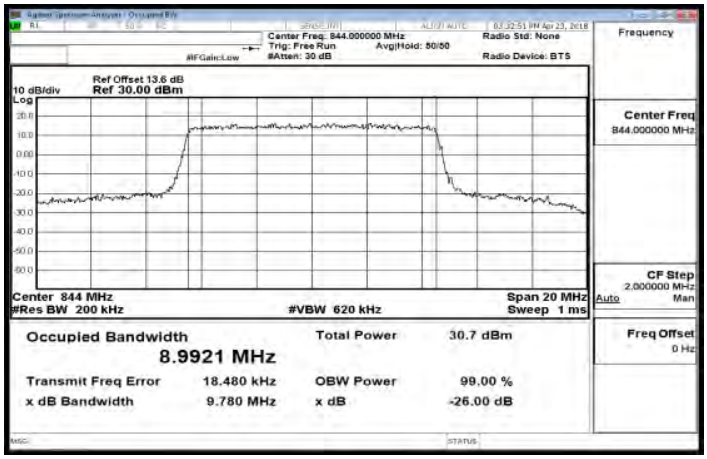

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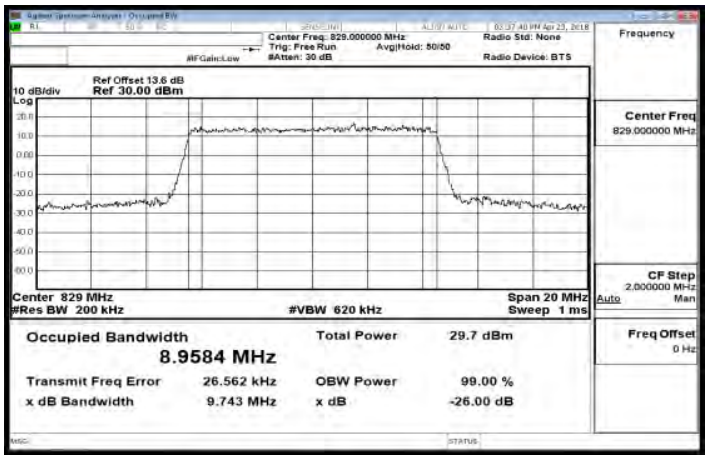
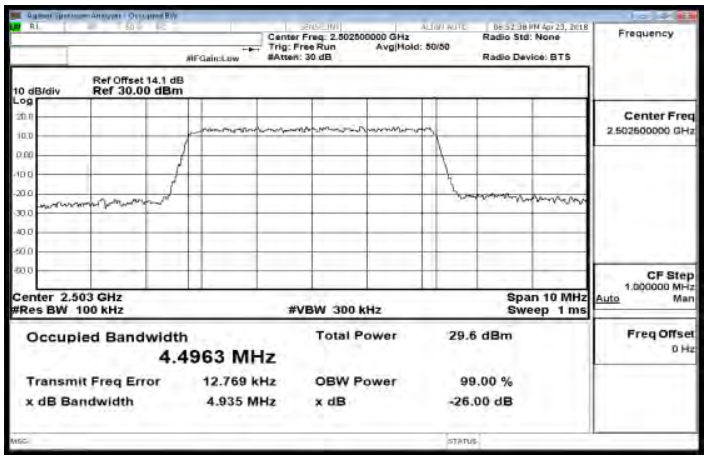
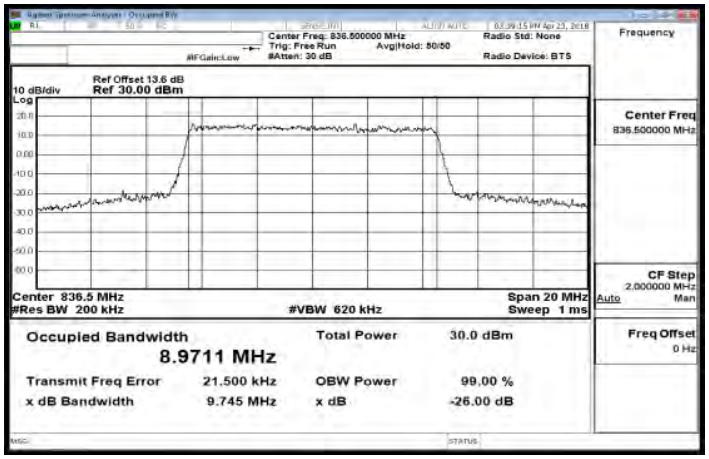
Band5_10MHz_16QAM_50_0_LowCH20450



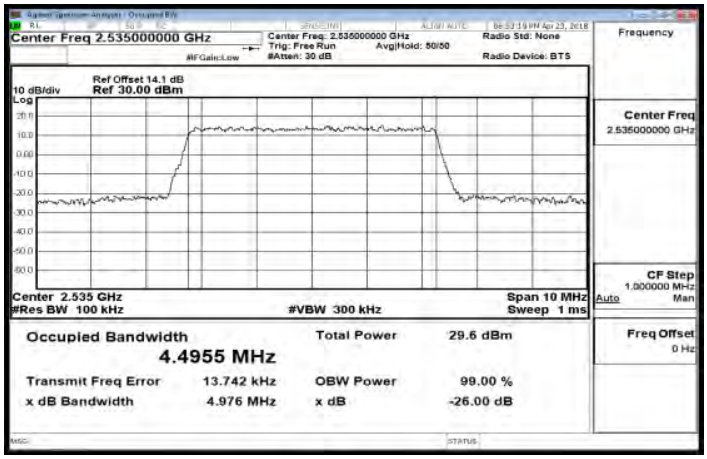
Band7_5MHz_QPSK_25_0_LowCH20775



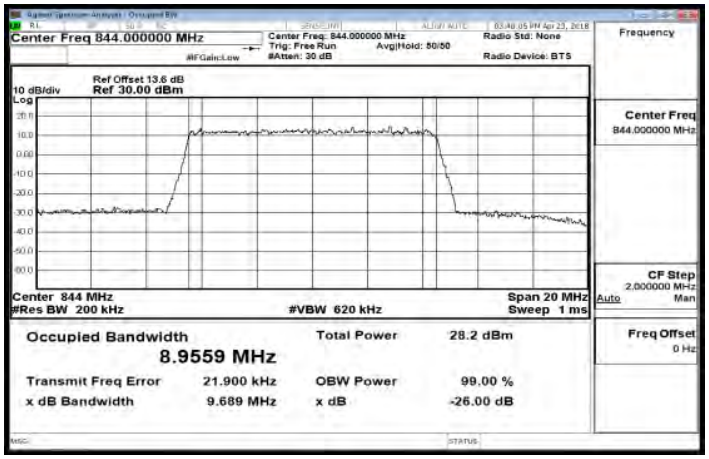
Band5_10MHz_16QAM_50_0_MidCH20525



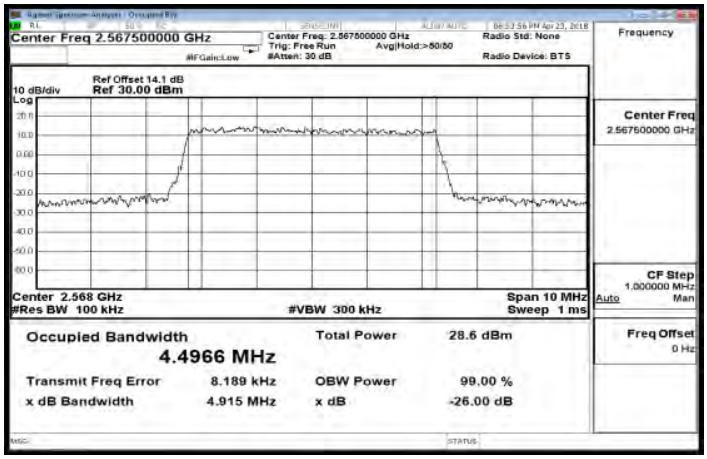
Band7_5MHz_QPSK_25_0_MidCH21100



Band5_10MHz_16QAM_50_0_HighCH20600



Band7_5MHz_QPSK_25_0_HighCH21425



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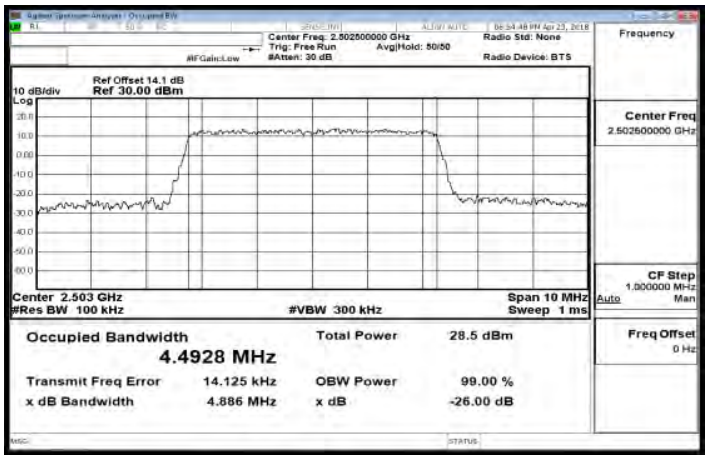
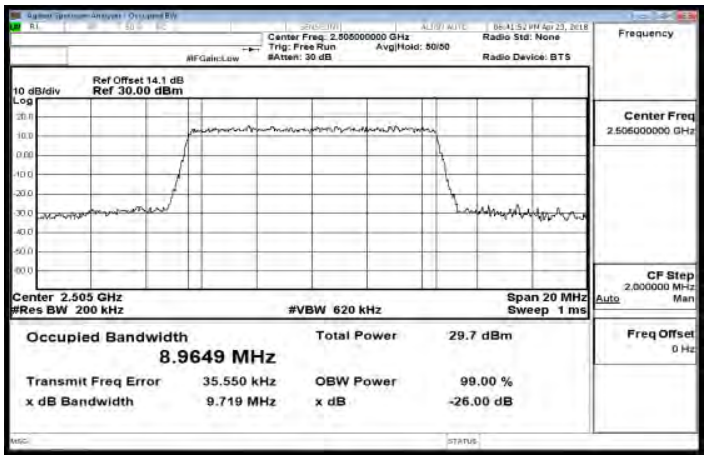
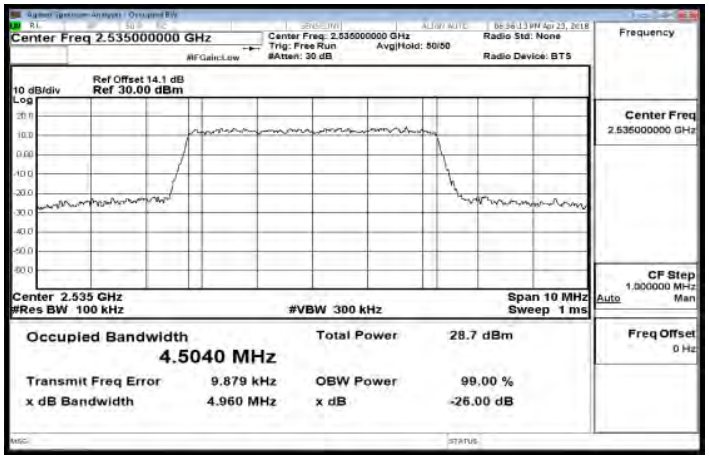
Band7_5MHz_16QAM_25_0_LowCH20775



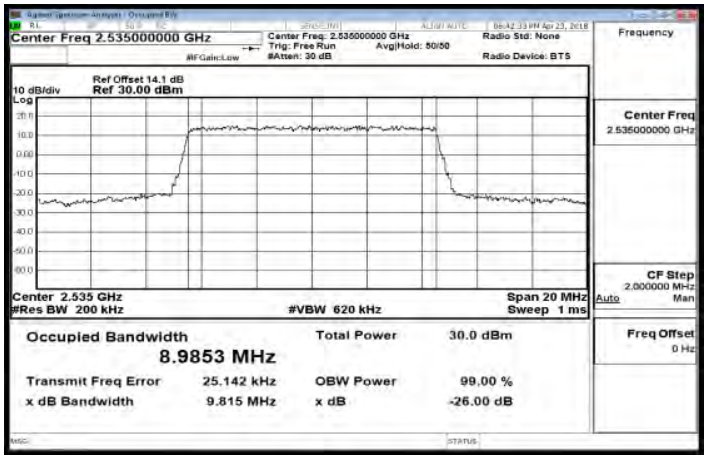
Band7_10MHz_QPSK_50_0_LowCH20800



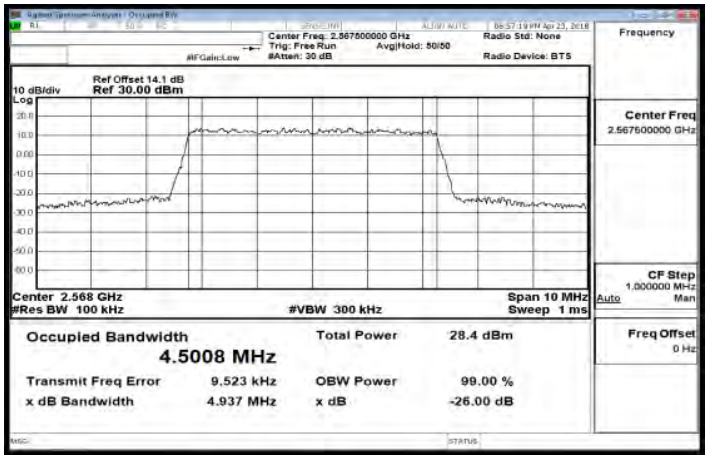
Band7_5MHz_16QAM_25_0_MidCH21100



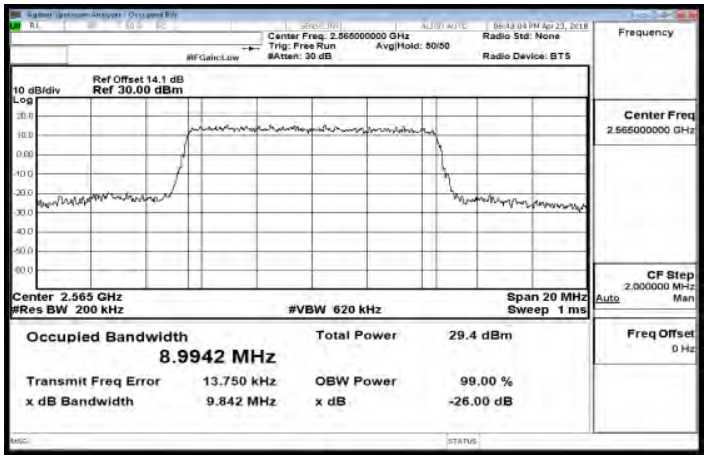
Band7_10MHz_QPSK_50_0_MidCH21100



Band7_5MHz_16QAM_25_0_HighCH21425



Band7_10MHz_QPSK_50_0_HighCH21400



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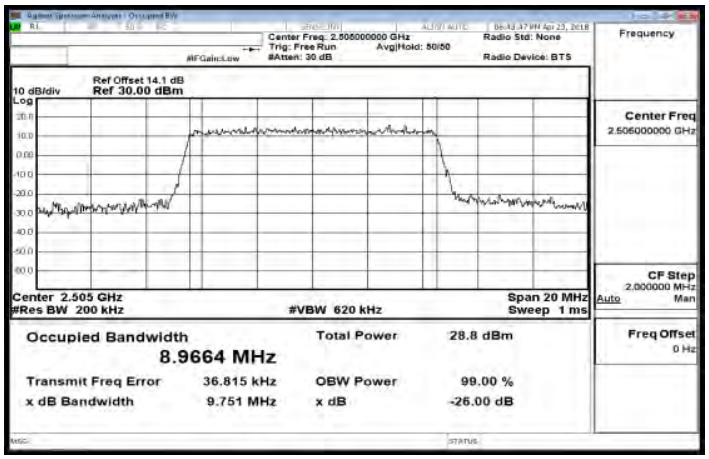
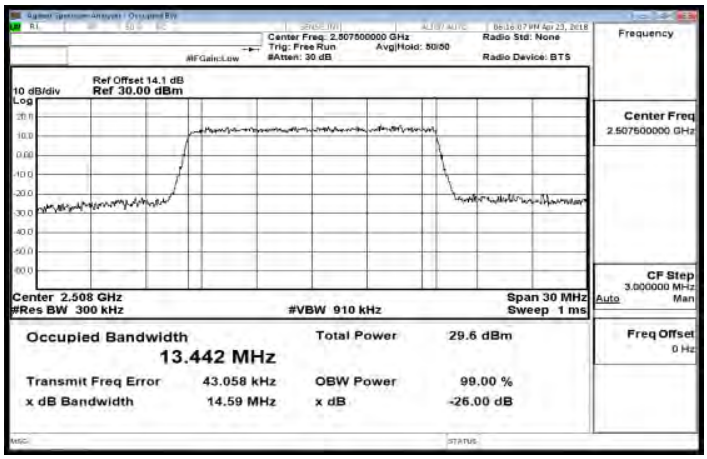
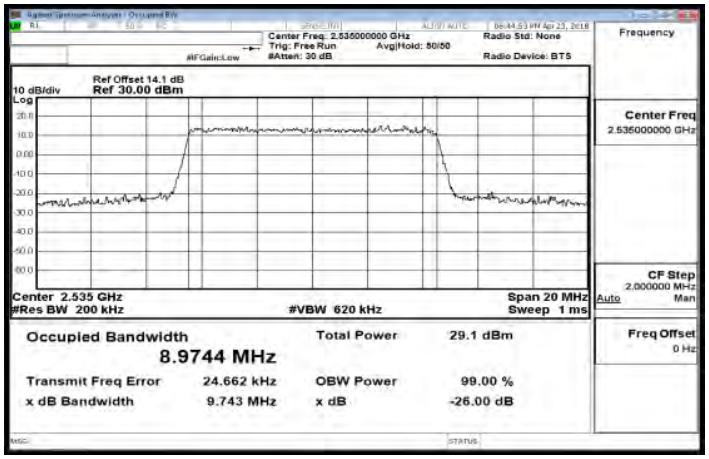
Band7_10MHz_16QAM_50_0_LowCH20800



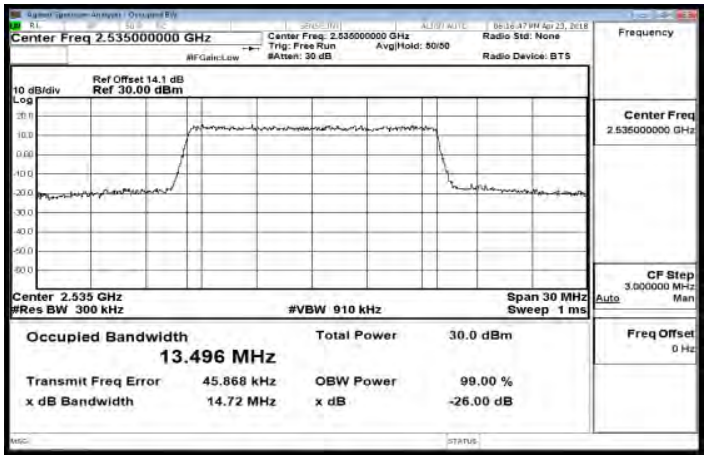
Band7_15MHz_QPSK_75_0_LowCH20825



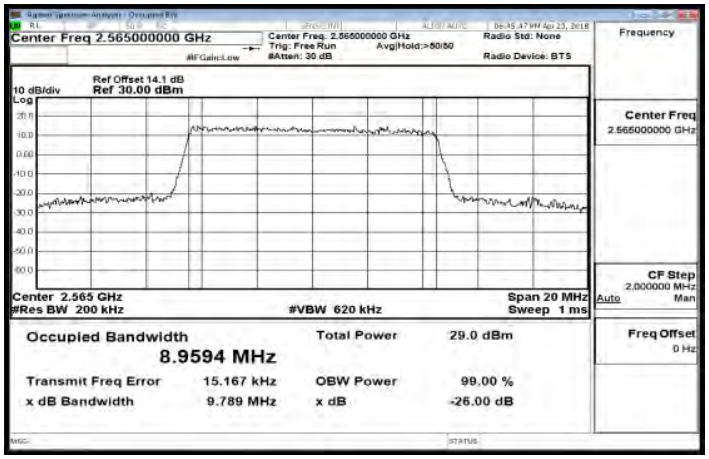
Band7_10MHz_16QAM_50_0_MidCH21100



Band7_15MHz_QPSK_75_0_MidCH21100



Band7_10MHz_16QAM_50_0_HighCH21400



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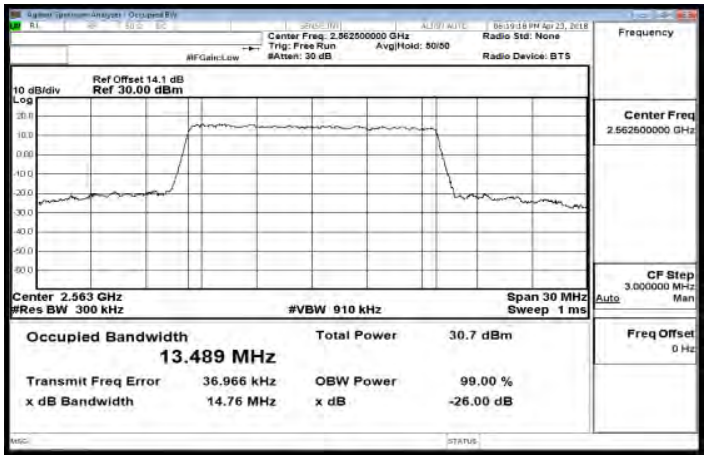

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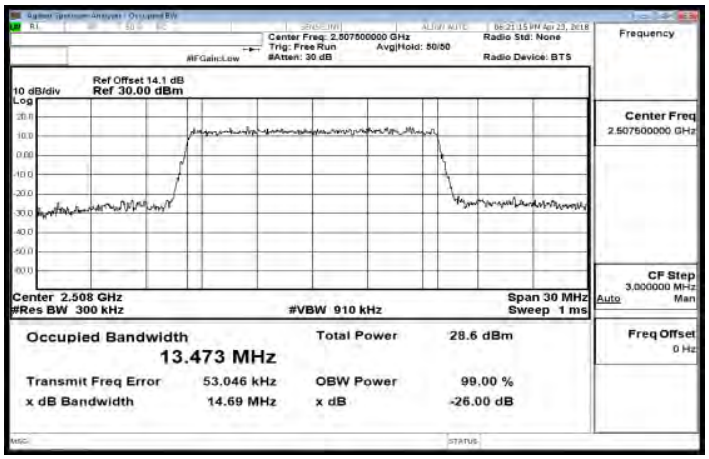
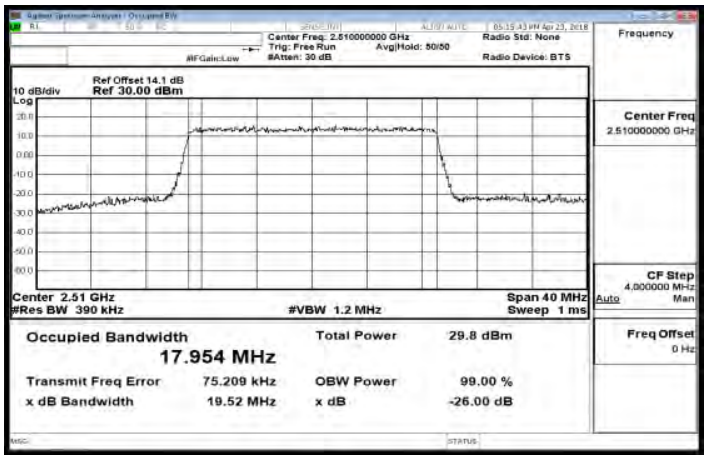
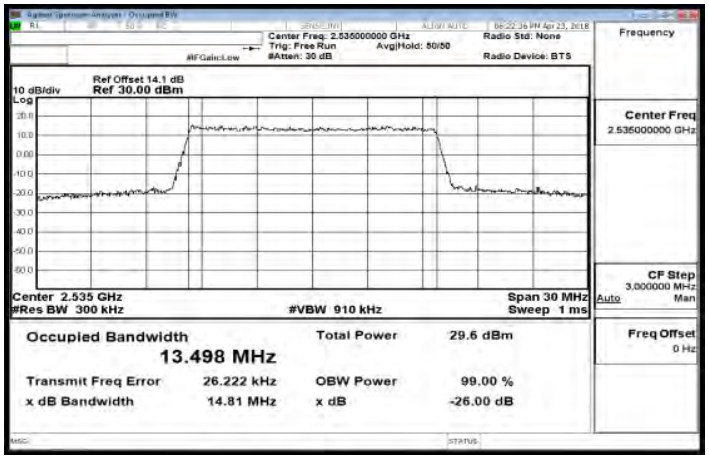
Band7_15MHz_16QAM_75_0_LowCH20825



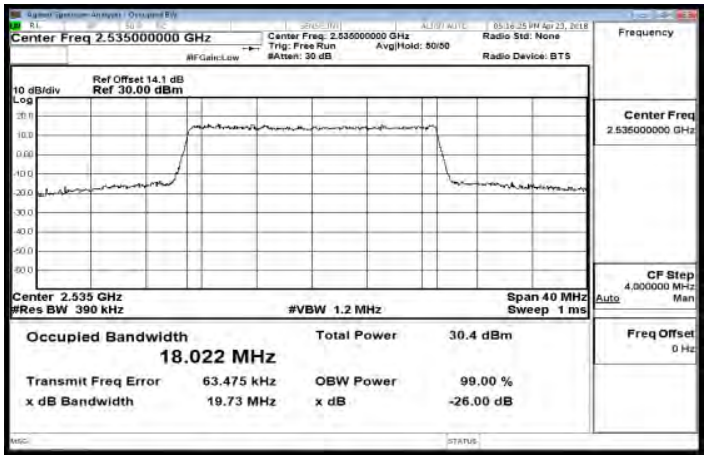
Band7_20MHz_QPSK_100_0_LowCH20850



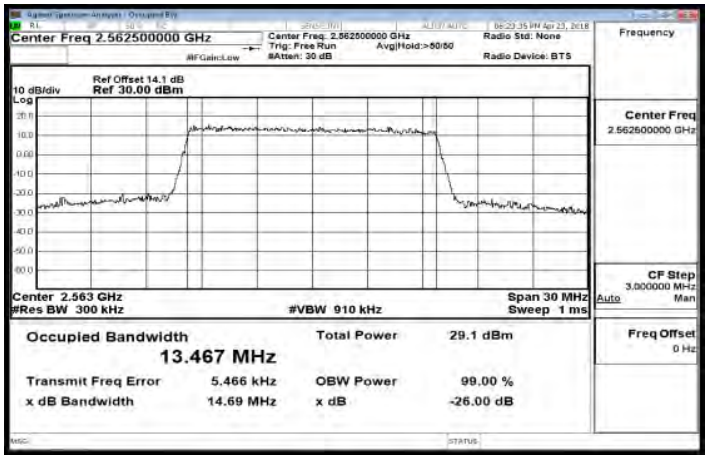
Band7_15MHz_16QAM_75_0_MidCH21100



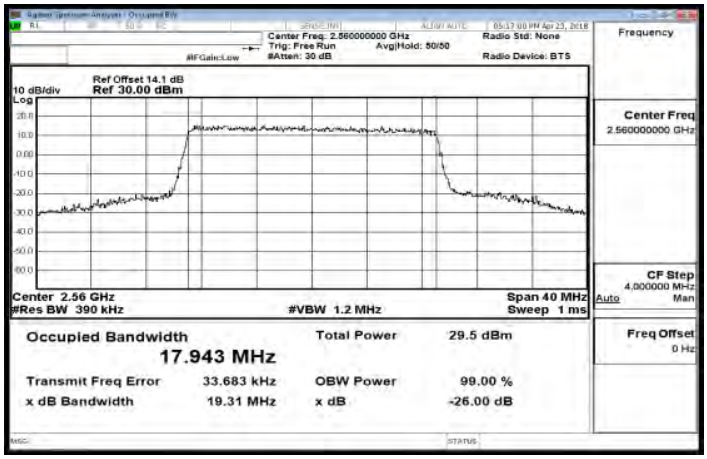
Band7_20MHz_QPSK_100_0_MidCH21100



Band7_15MHz_16QAM_75_0_HighCH21375



Band7_20MHz_QPSK_100_0_HighCH21350



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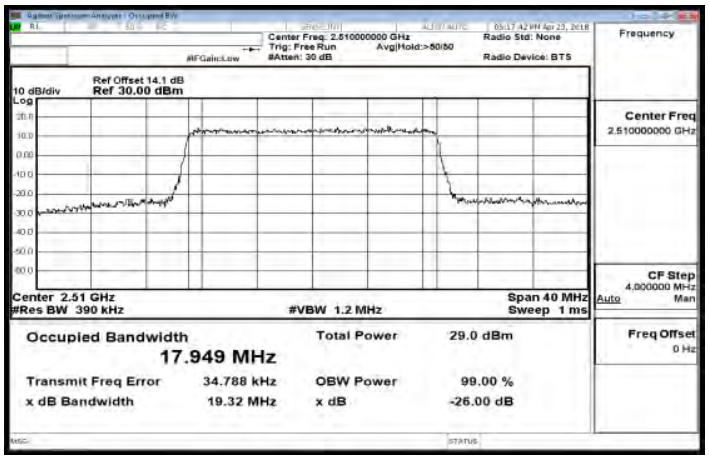
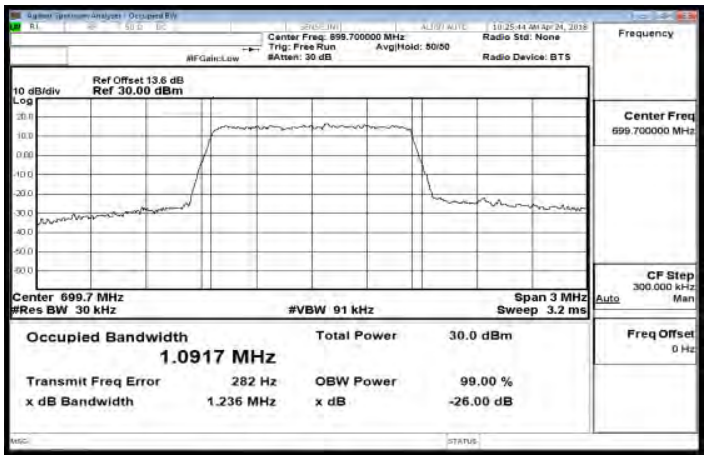
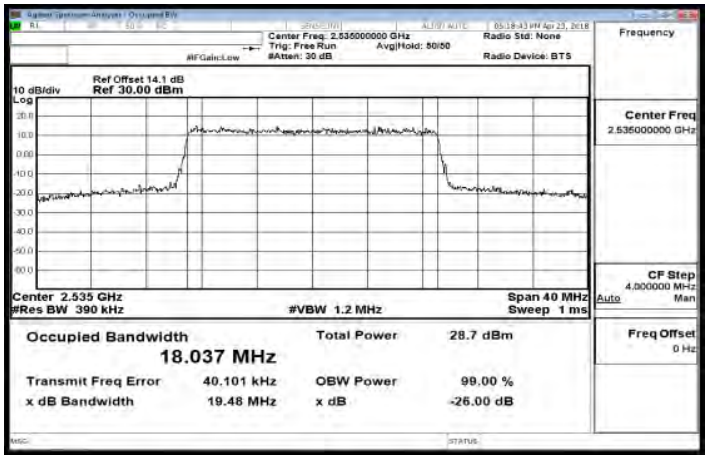
Band7_20MHz_16QAM_100_0_LowCH20850



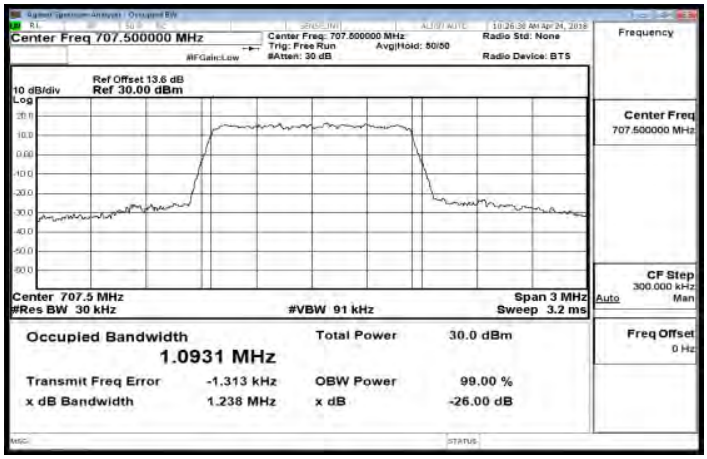
Band12_1_4MHz_QPSK_6_0_LowCH23017



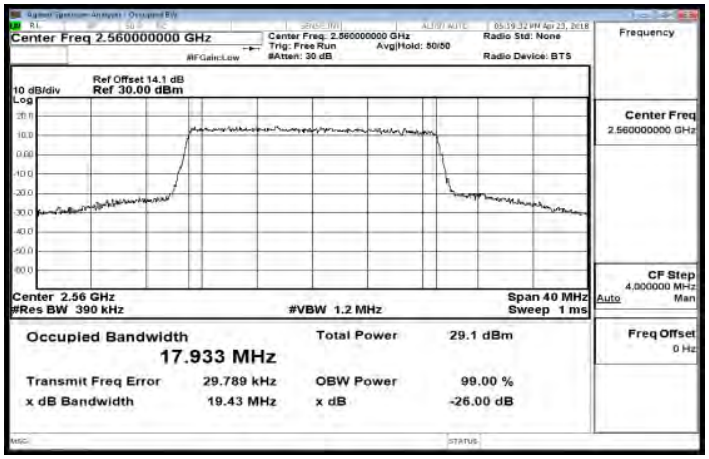
Band7_20MHz_16QAM_100_0_MidCH21100



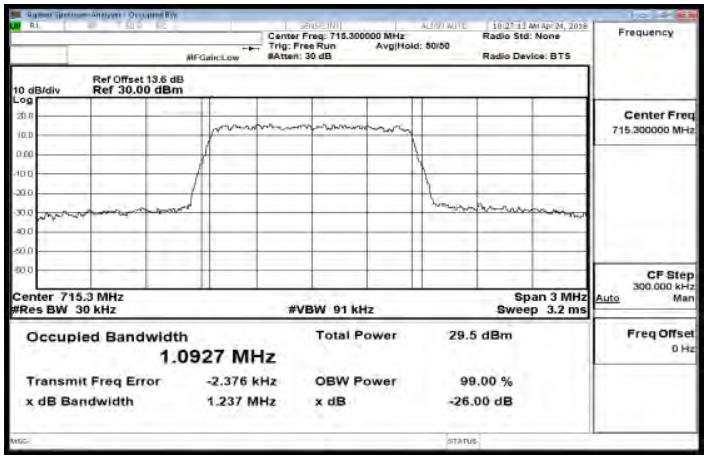
Band12_1_4MHz_QPSK_6_0_MidCH23095



Band7_20MHz_16QAM_100_0_HighCH21350



Band12_1_4MHz_QPSK_6_0_HighCH23173



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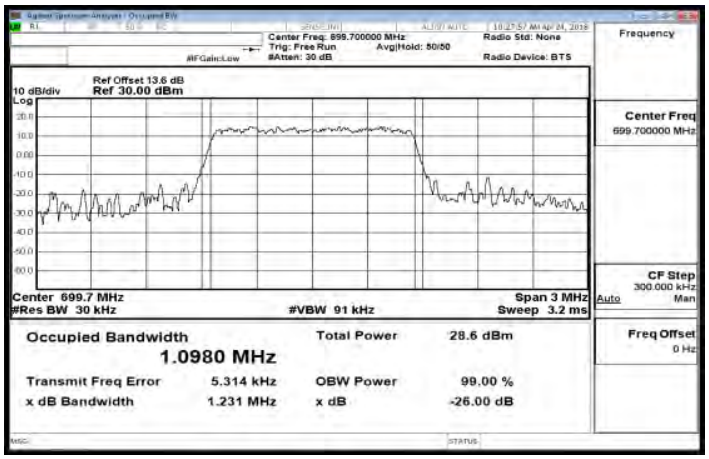
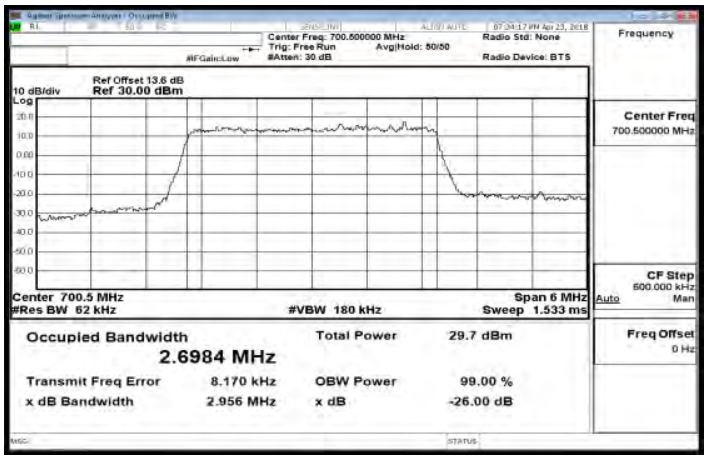
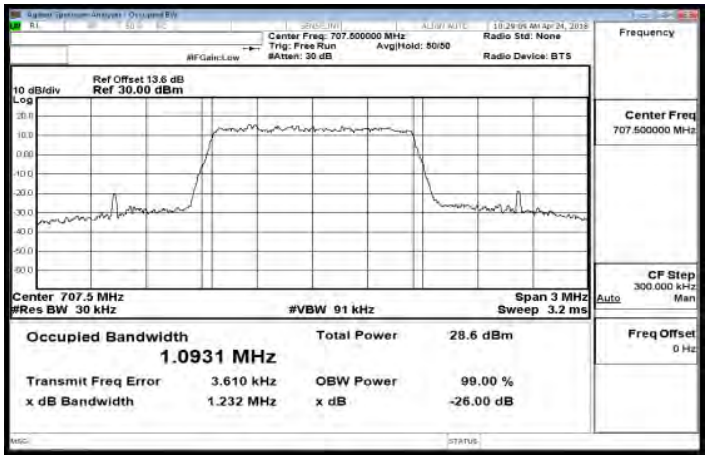
Band12_1_4MHz_16QAM_6_0_LowCH23017



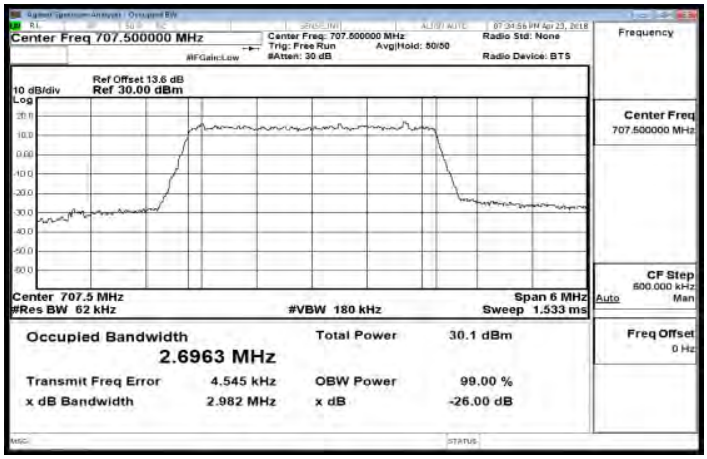
Band12_3MHz_QPSK_15_0_LowCH23025



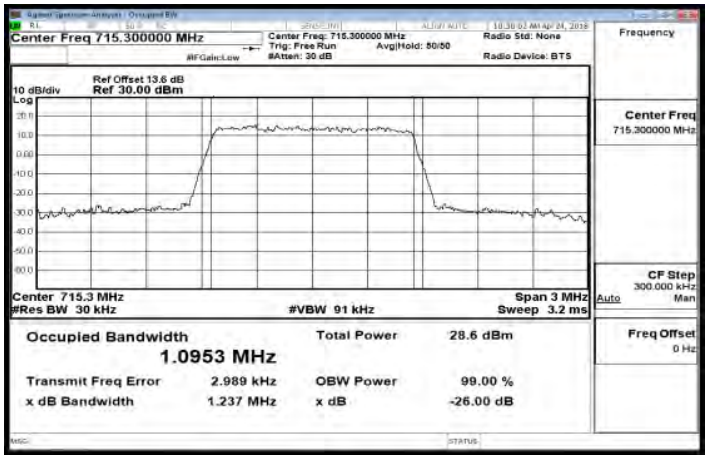
Band12_1_4MHz_16QAM_6_0_MidCH23095



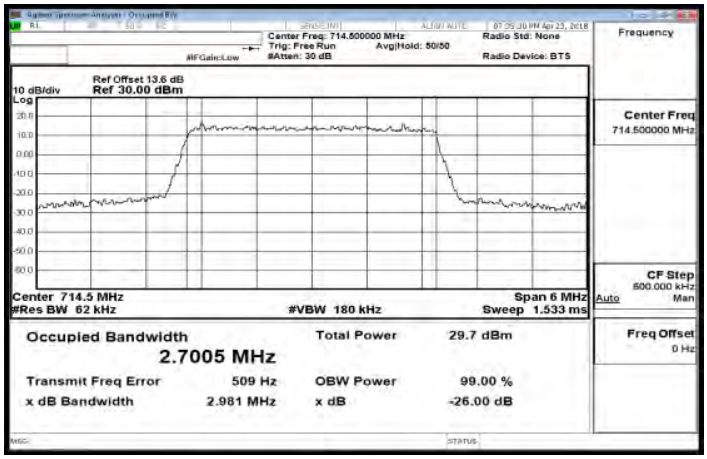
Band12_3MHz_QPSK_15_0_MidCH23095



Band12_1_4MHz_16QAM_6_0_HighCH23173



Band12_3MHz_QPSK_15_0_HighCH23165



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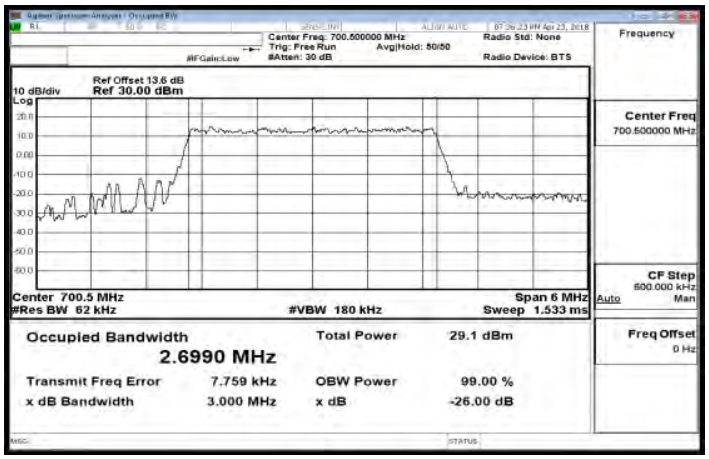
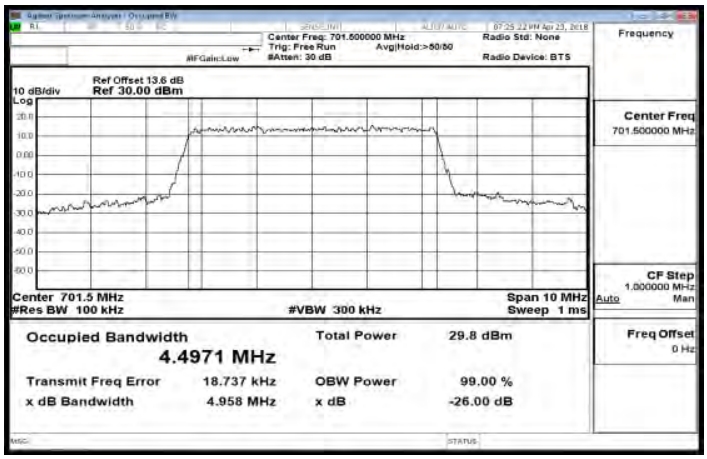
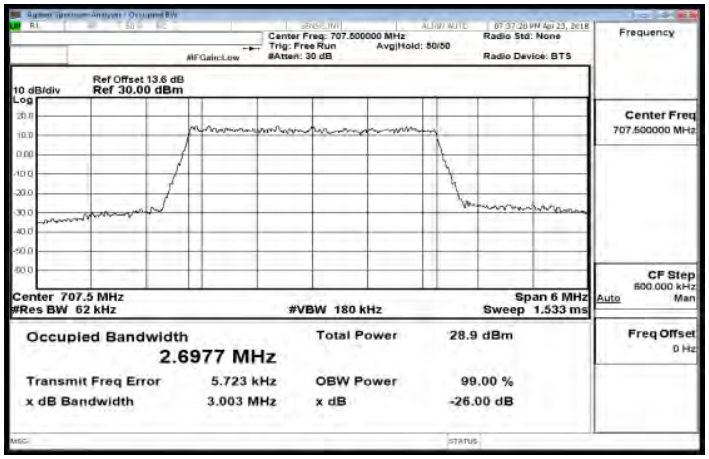
Band12_3MHz_16QAM_15_0_LowCH23025



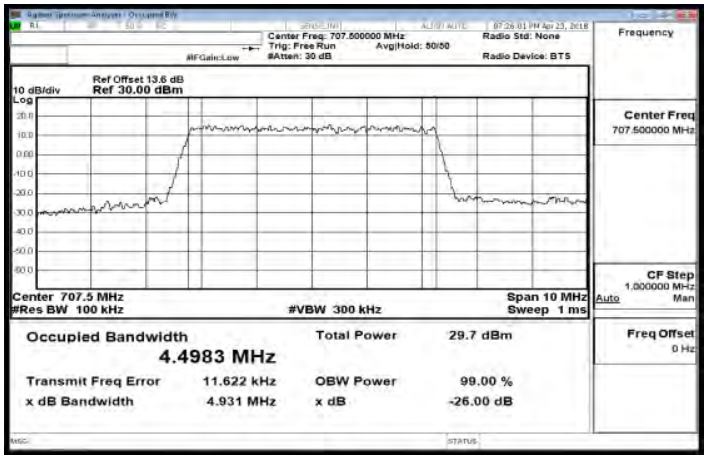
Band12_5MHz_QPSK_25_0_LowCH23035



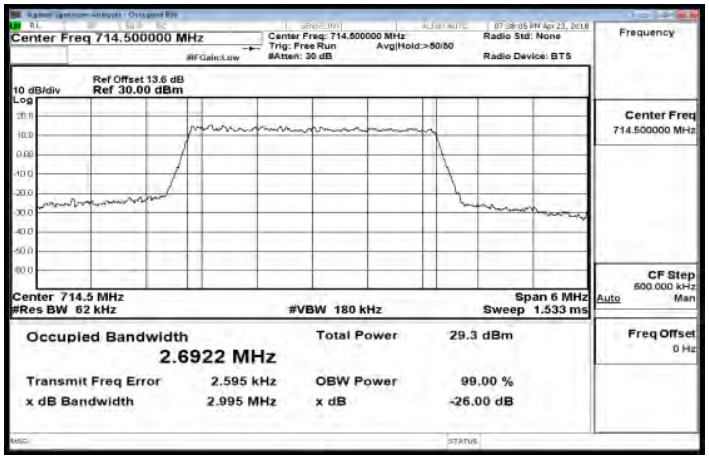
Band12_3MHz_16QAM_15_0_MidCH23095



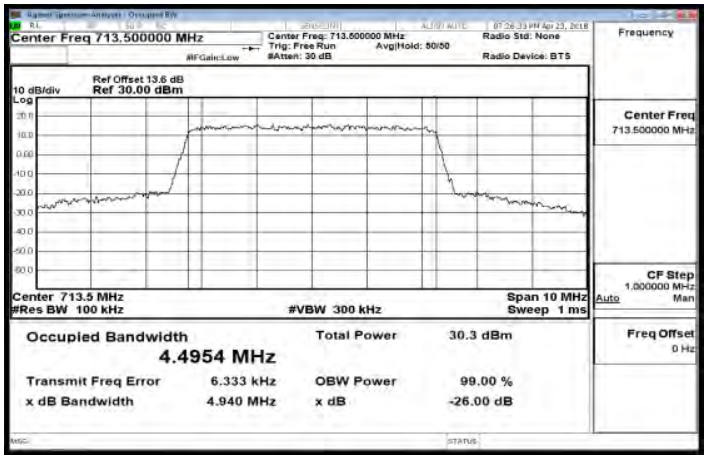
Band12_5MHz_QPSK_25_0_MidCH23095



Band12_3MHz_16QAM_15_0_HighCH23165



Band12_5MHz_QPSK_25_0_HighCH23155



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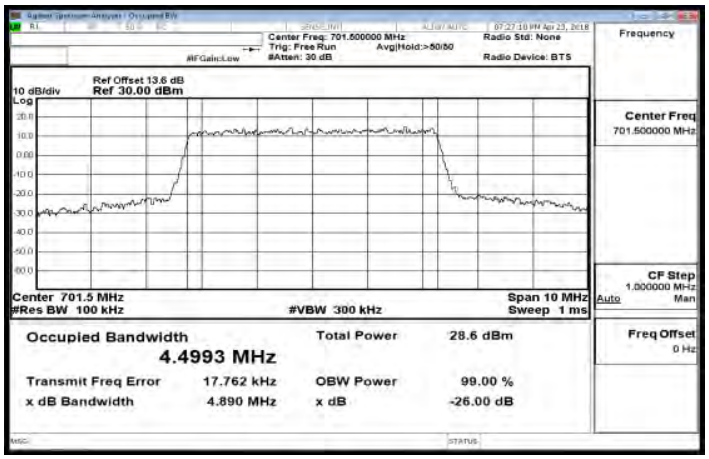
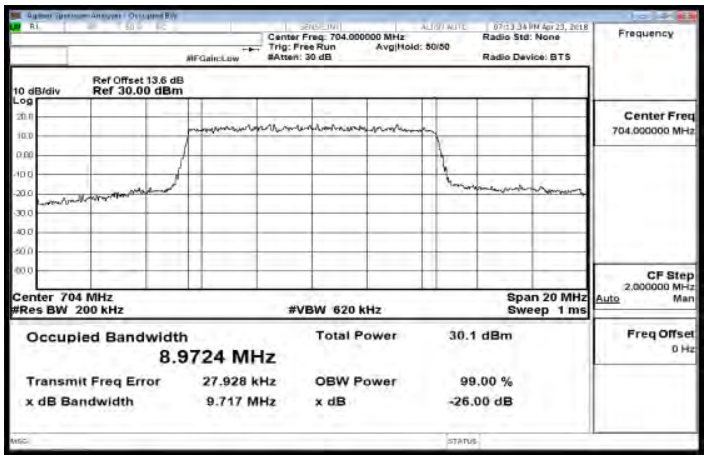
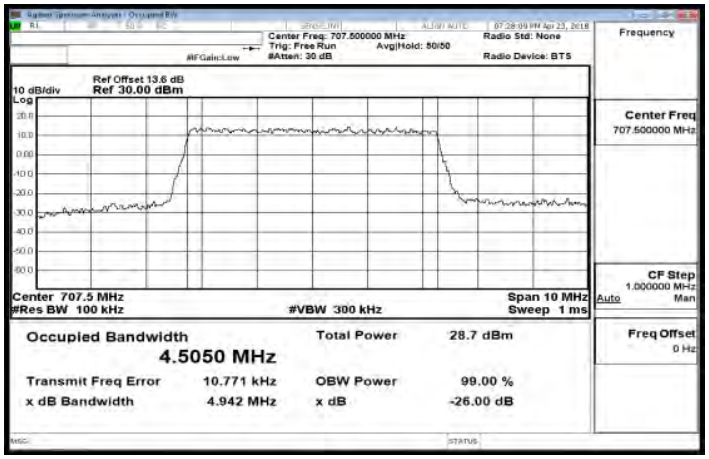
Band12_5MHz_16QAM_25_0_LowCH23035



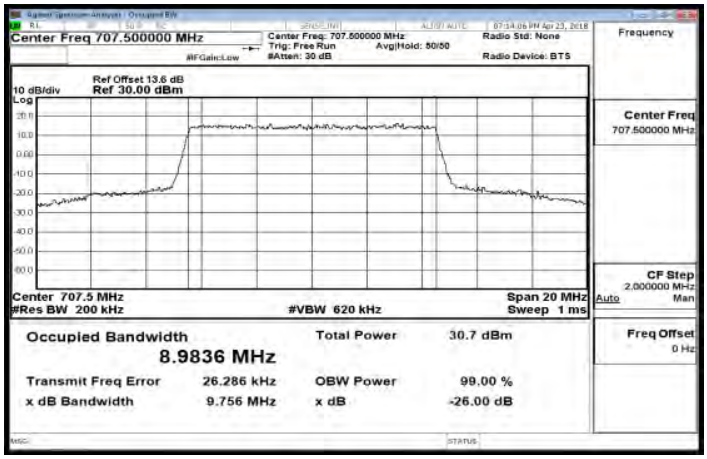
Band12_10MHz_QPSK_50_0_LowCH23060



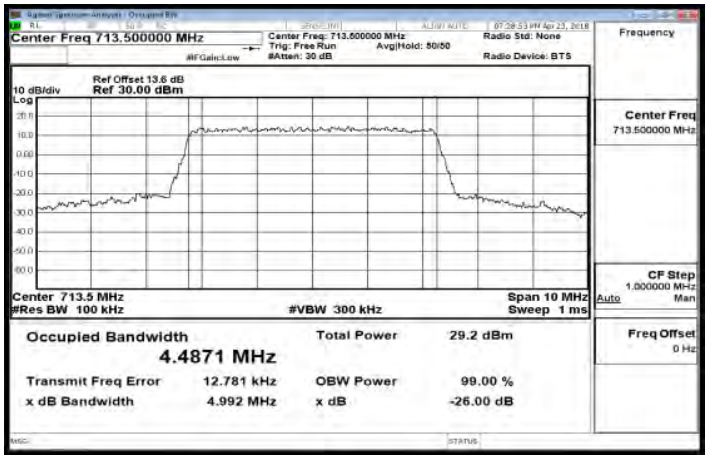
Band12_5MHz_16QAM_25_0_MidCH23095



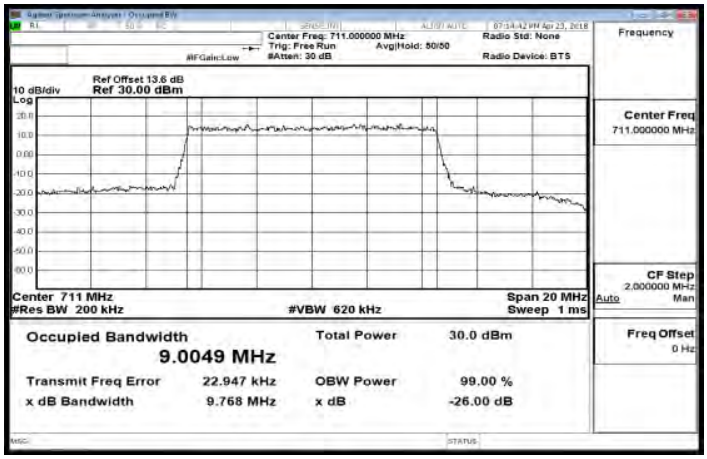
Band12_10MHz_QPSK_50_0_MidCH23095



Band12_5MHz_16QAM_25_0_HighCH23155



Band12_10MHz_QPSK_50_0_HighCH23130



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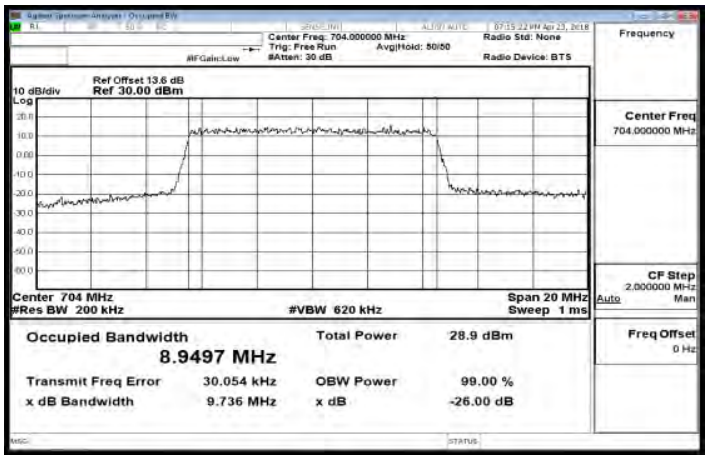
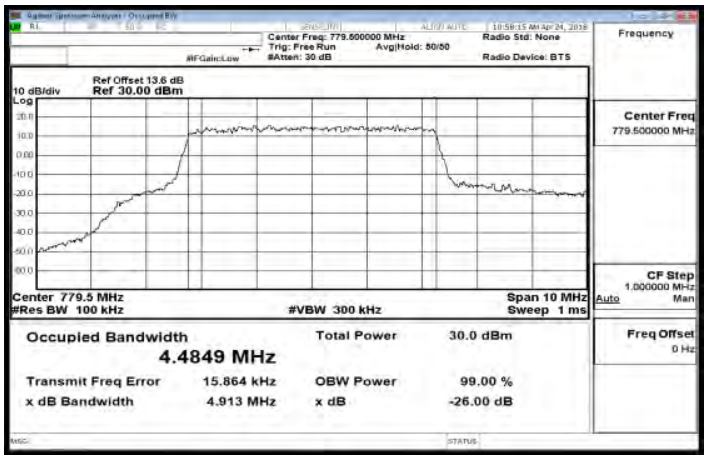
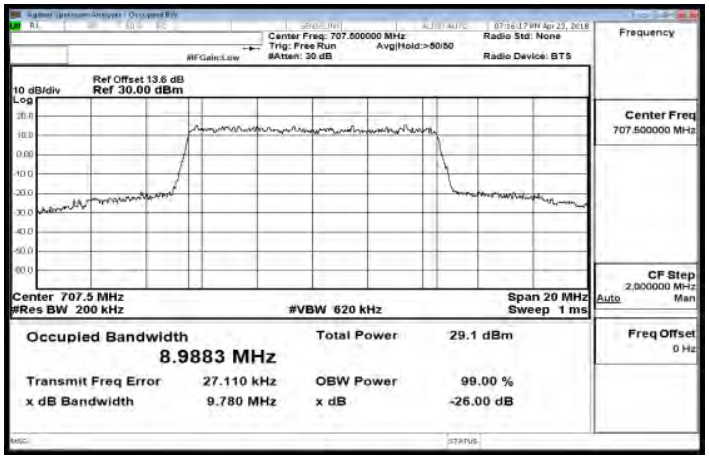
Band12_10MHz_16QAM_50_0_LowCH23060



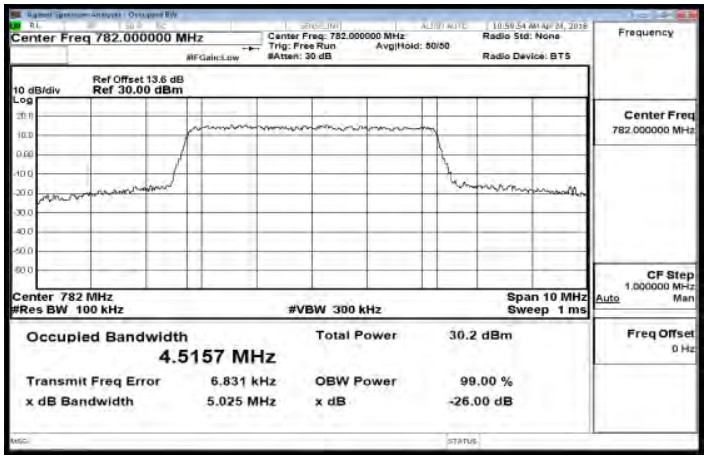
Band13_5MHz_QPSK_25_0_LowCH23205



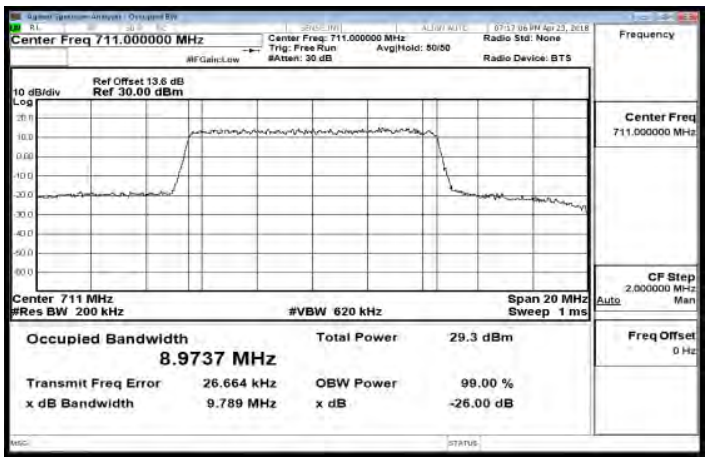
Band12_10MHz_16QAM_50_0_MidCH23095



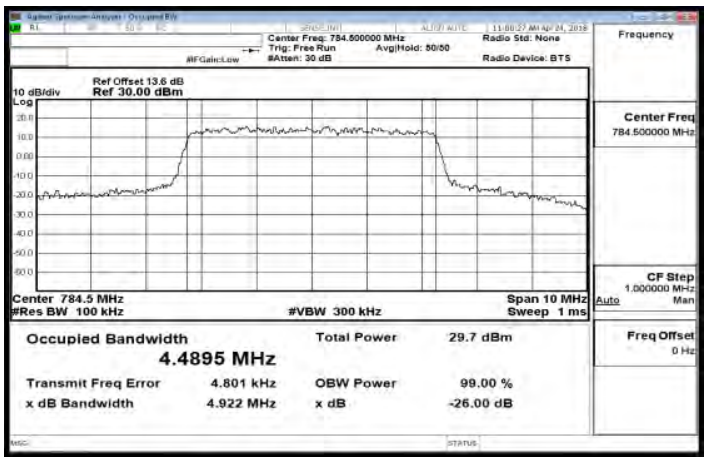
Band13_5MHz_QPSK_25_0_MidCH23230



Band12_10MHz_16QAM_50_0_HighCH23130



Band13_5MHz_QPSK_25_0_HighCH23255



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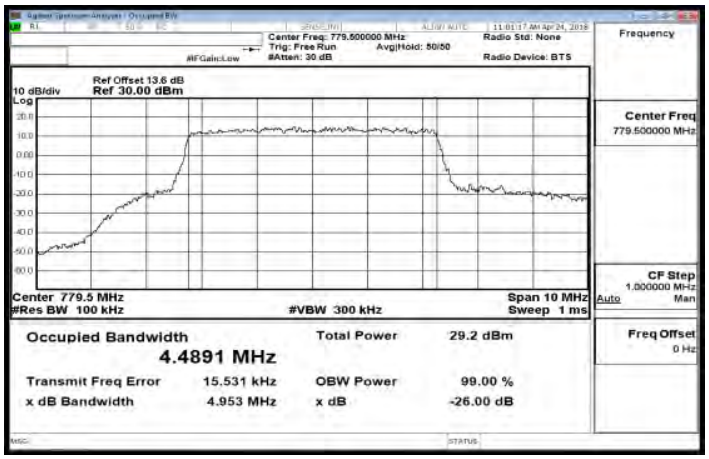
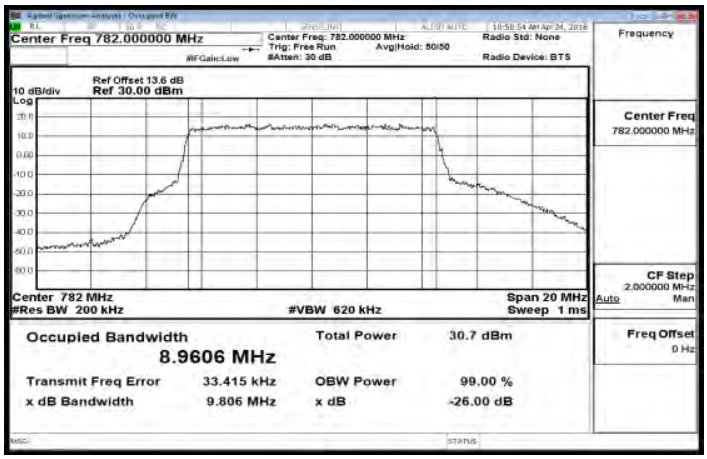
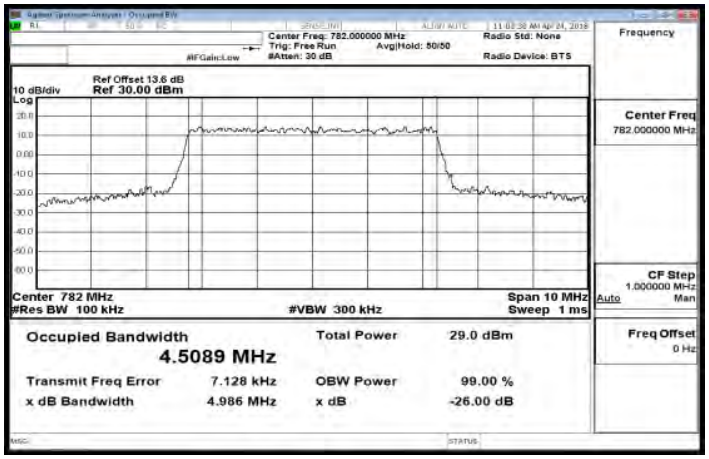
Band13_5MHz_16QAM_25_0_LowCH23205



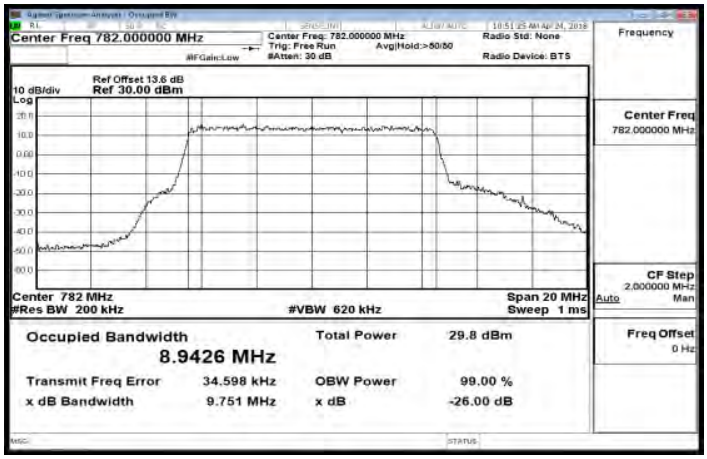
Band13_10MHz_QPSK_50_0_MidCH23230



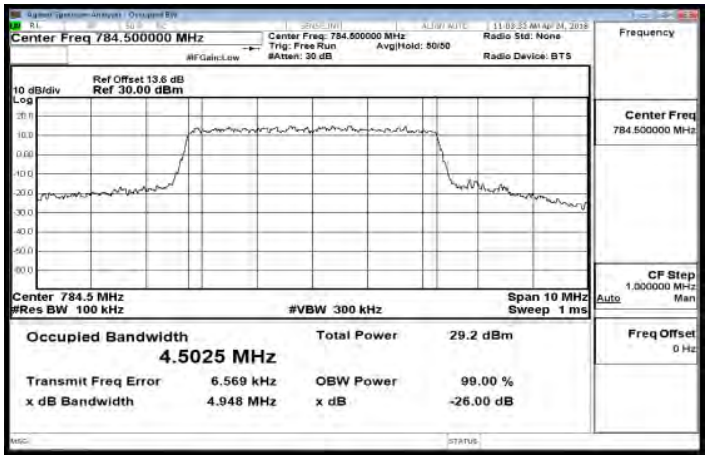
Band13_5MHz_16QAM_25_0_MidCH23230



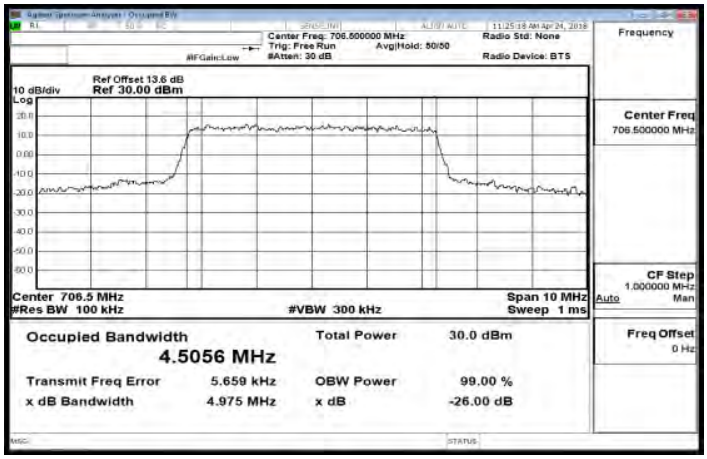
Band13_10MHz_16QAM_50_0_MidCH23230



Band13_5MHz_16QAM_25_0_HighCH23255



Band17_5MHz_QPSK_25_0_LowCH23755



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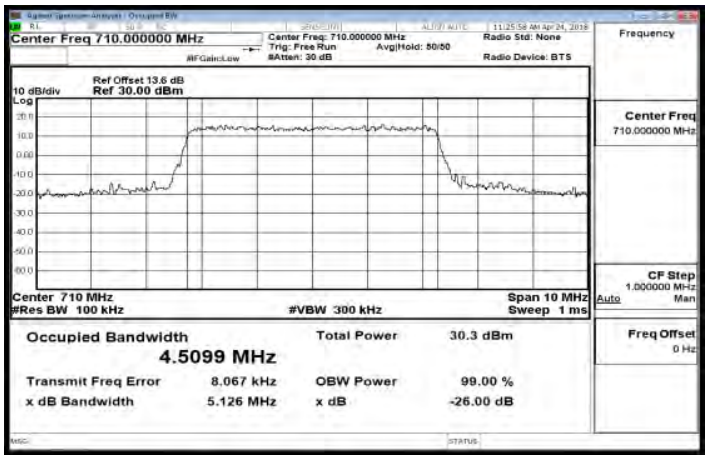
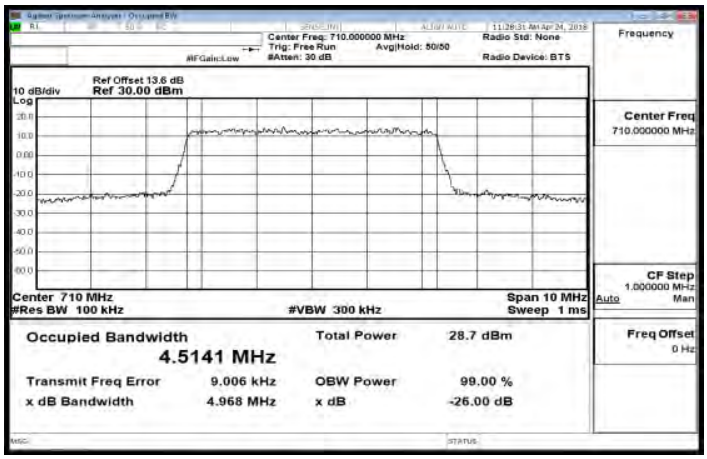
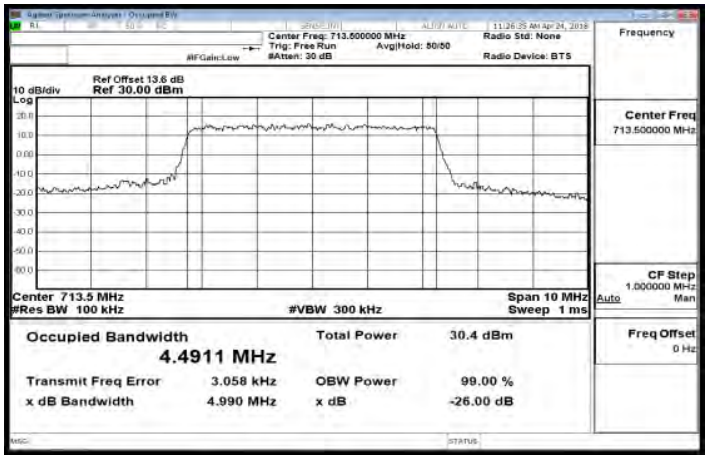
Band17_5MHz_QPSK_25_0_MidCH23790



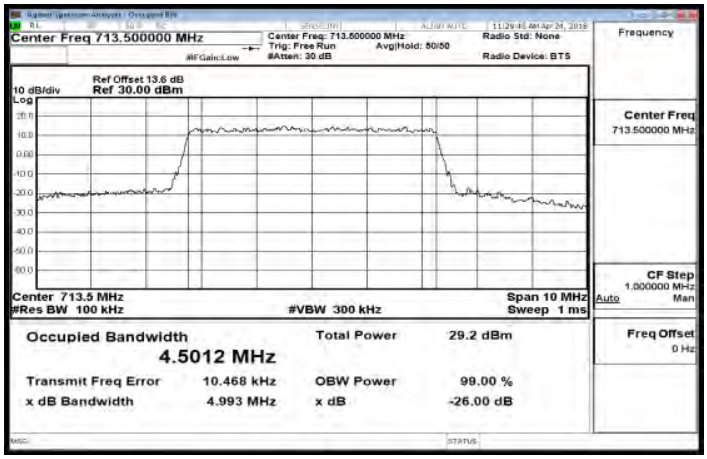
Band17_5MHz_16QAM_25_0_MidCH23790



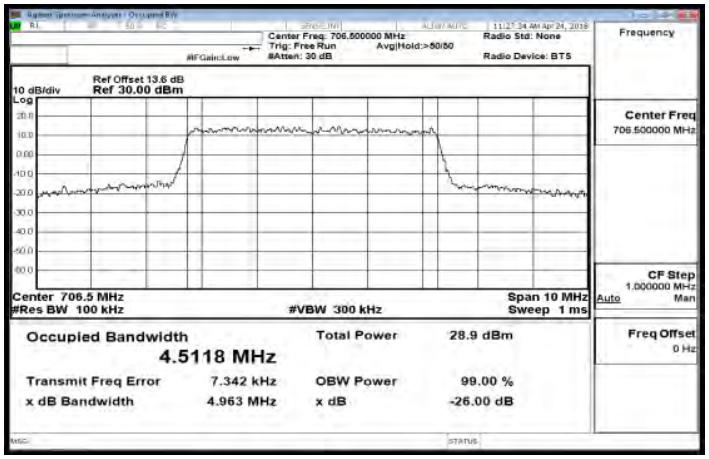
Band17_5MHz_QPSK_25_0_HighCH23825



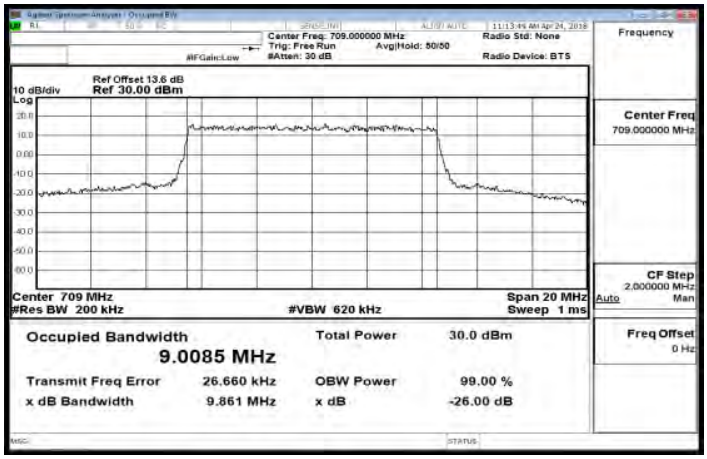
Band17_5MHz_16QAM_25_0_HighCH23825



Band17_5MHz_16QAM_25_0_LowCH23755



Band17_10MHz_QPSK_50_0_LowCH23780



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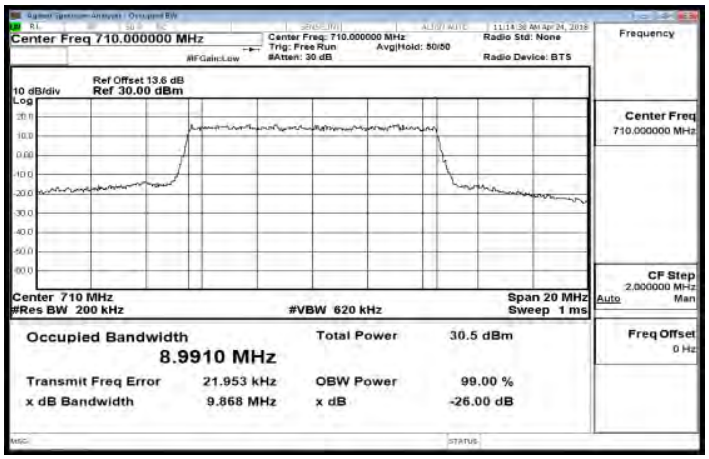
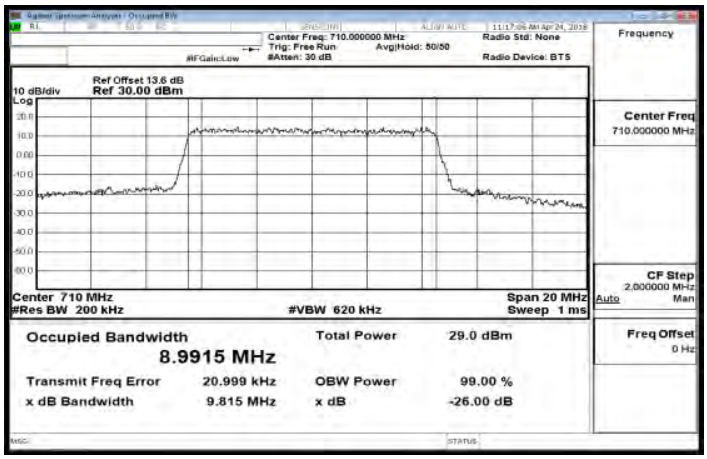
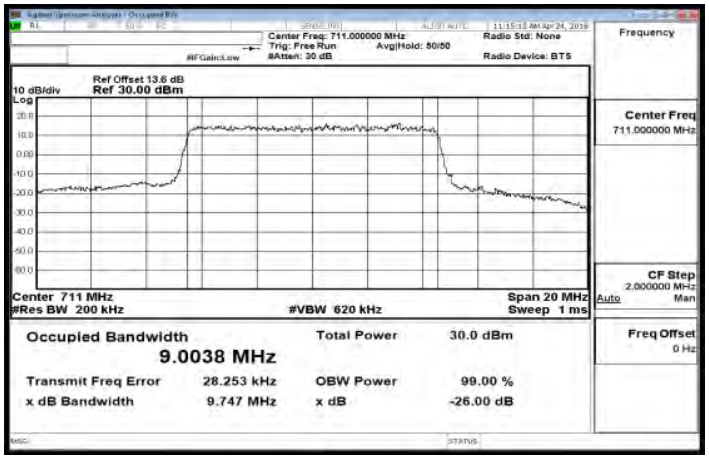
Band17_10MHz_QPSK_50_0_MidCH23790



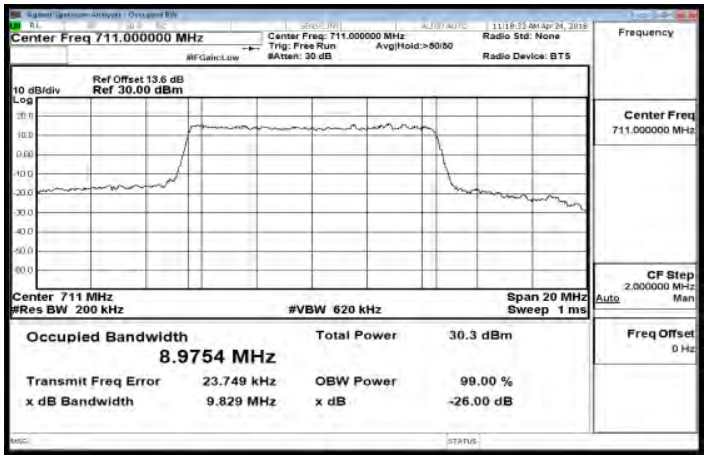
Band17_10MHz_16QAM_50_0_MidCH23790



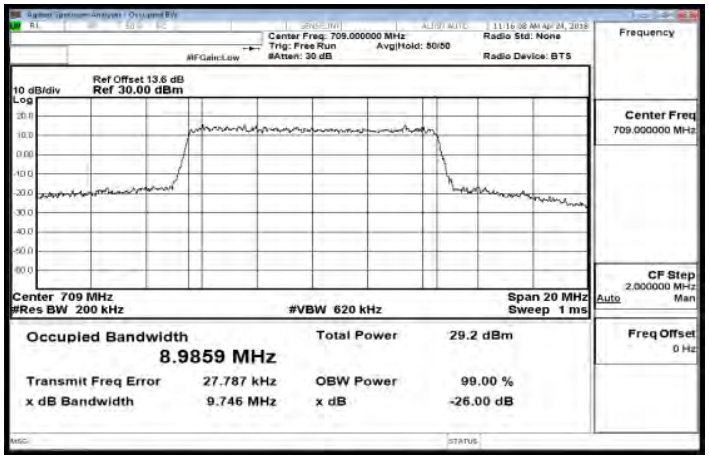
Band17_10MHz_QPSK_50_0_HighCH23800



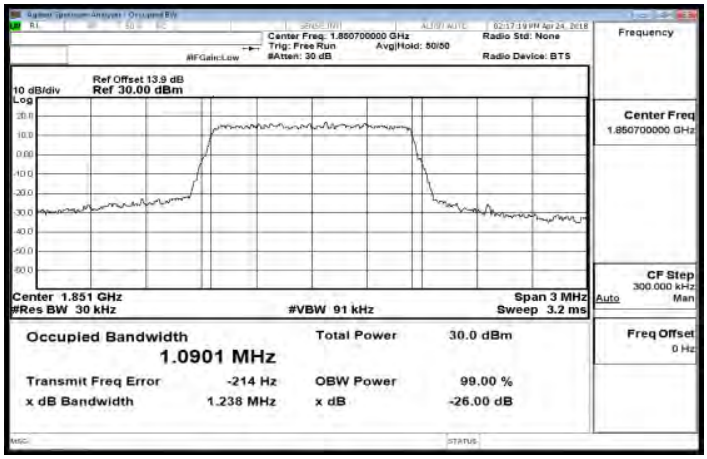
Band17_10MHz_16QAM_50_0_HighCH23800



Band17_10MHz_16QAM_50_0_LowCH23780



Band25_1_4MHz_QPSK_6_0_LowCH26047



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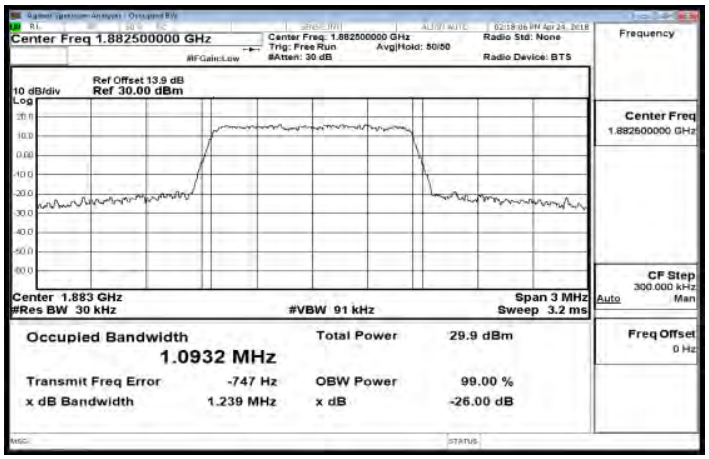
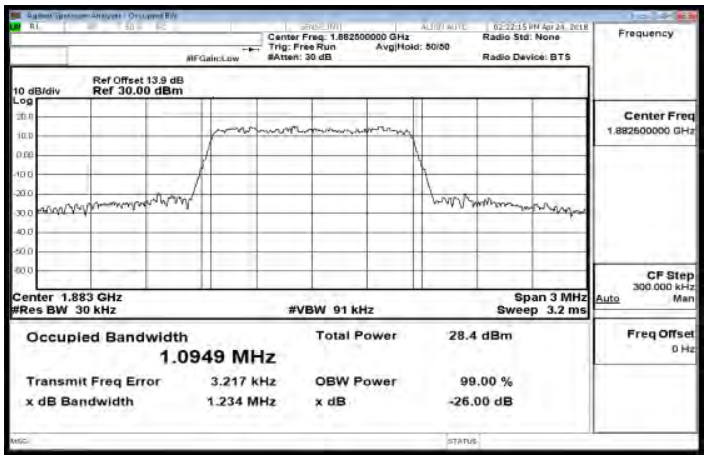
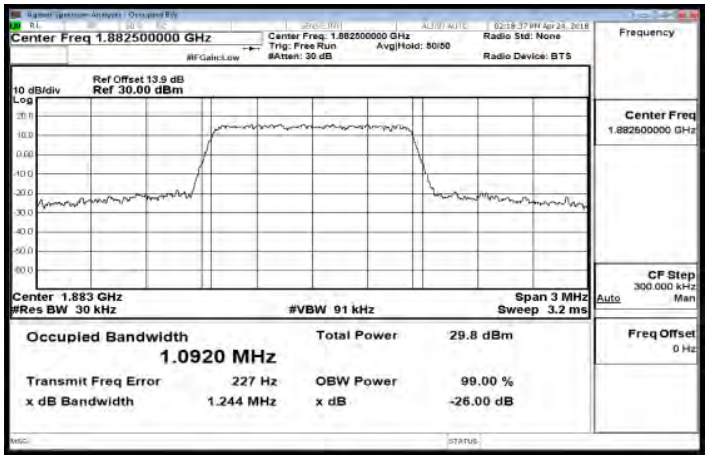
Band25_1_4MHz_QPSK_6_0_MidCH26365



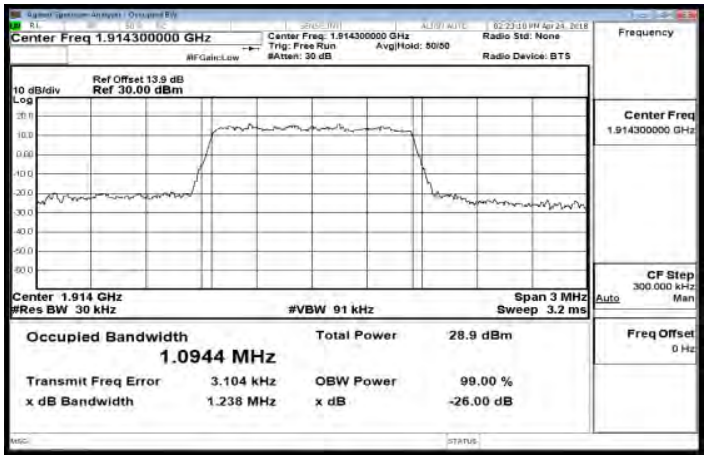
Band25_1_4MHz_16QAM_6_0_MidCH26365



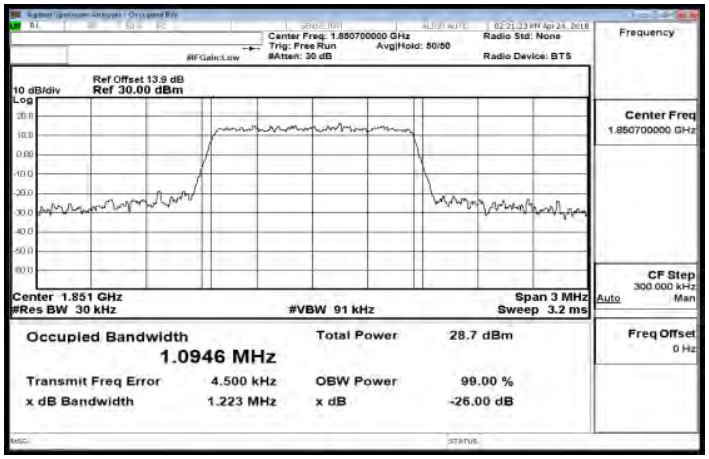
Band25_1_4MHz_QPSK_6_0_HighCH26683



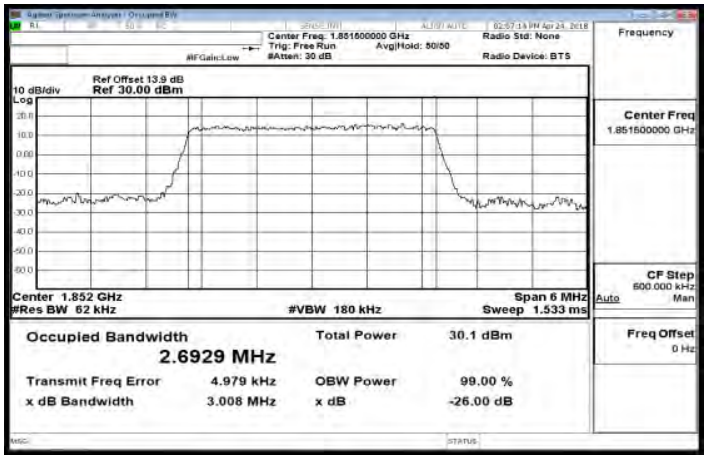
Band25_1_4MHz_16QAM_6_0_HighCH26683



Band25_1_4MHz_16QAM_6_0_LowCH26047



Band25_3MHz_QPSK_15_0_LowCH26055



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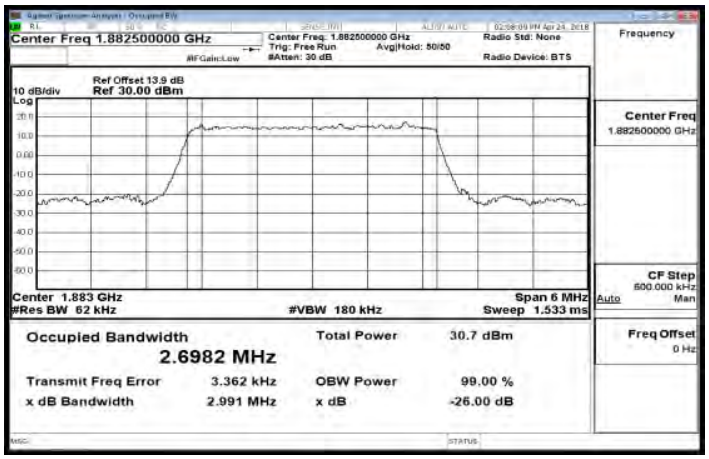
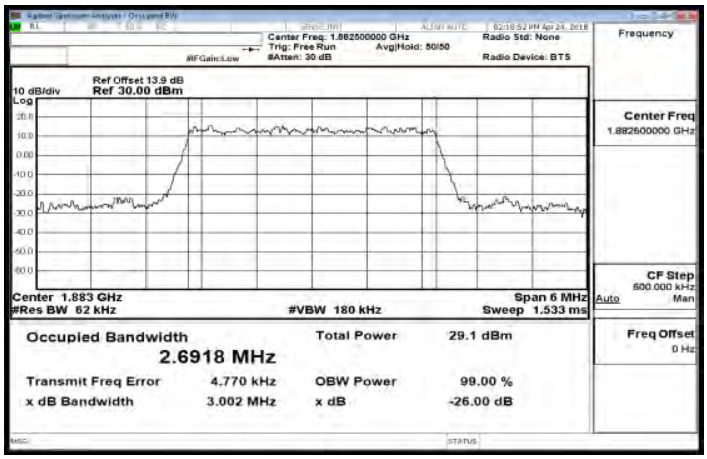
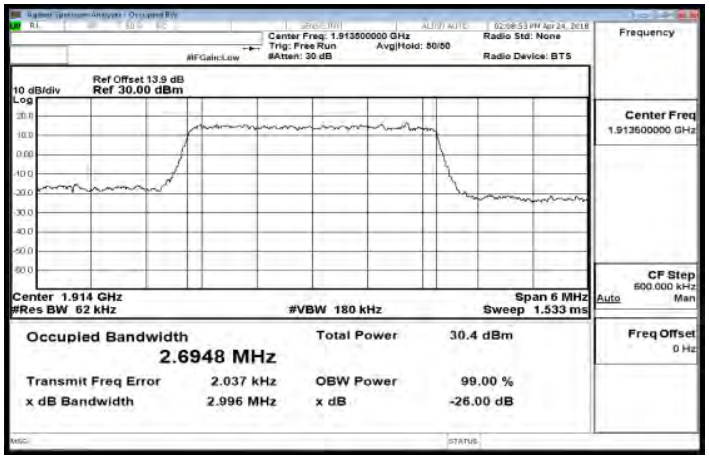
Band25_3MHz_QPSK_15_0_MidCH26365



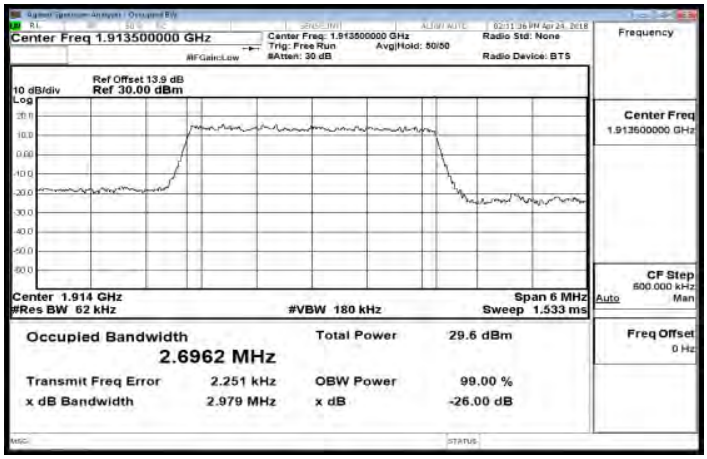
Band25_3MHz_16QAM_15_0_MidCH26365



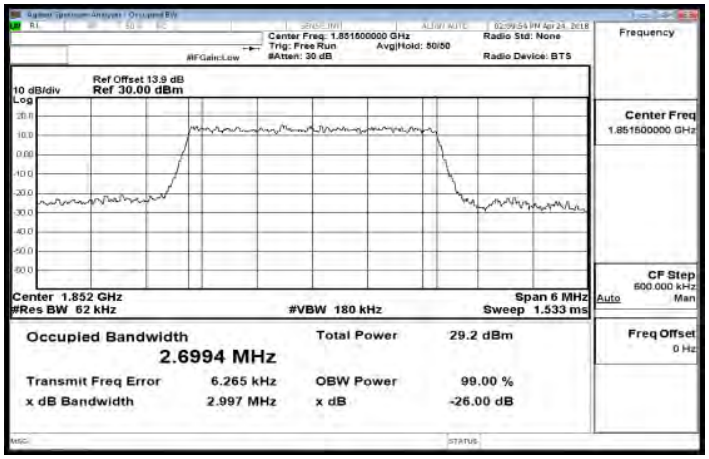
Band25_3MHz_QPSK_15_0_HighCH26675



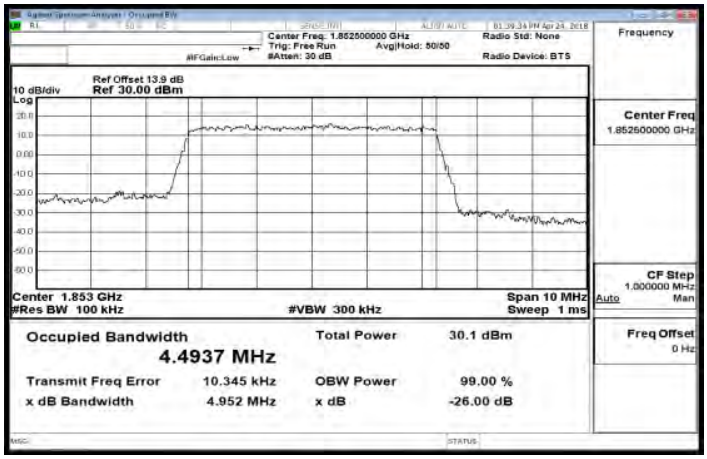
Band25_3MHz_16QAM_15_0_HighCH26675



Band25_3MHz_16QAM_15_0_LowCH26055



Band25_5MHz_QPSK_25_0_LowCH26065



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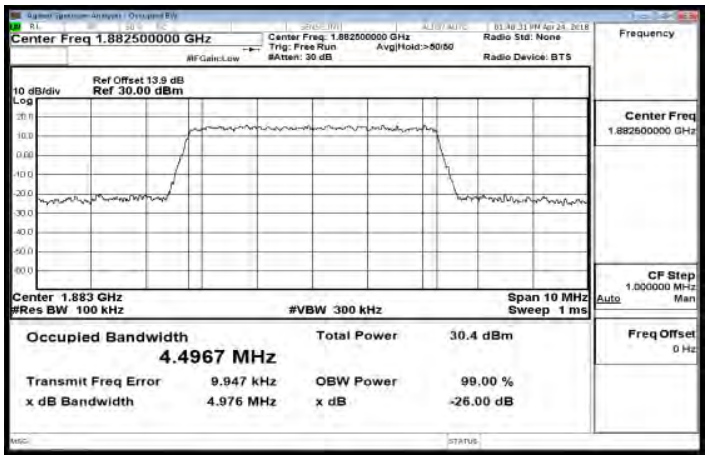
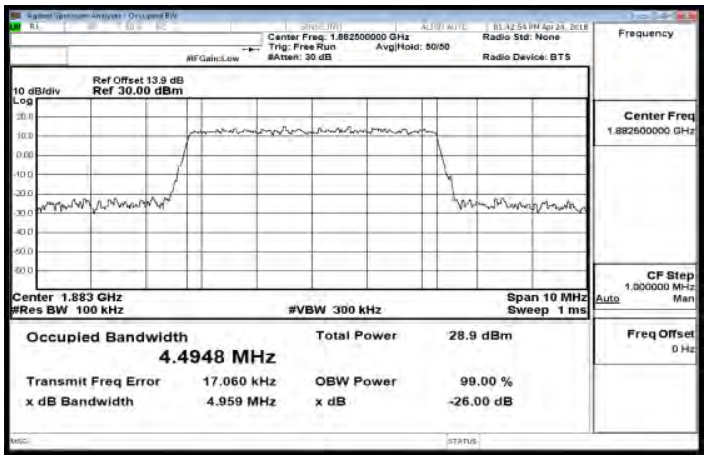
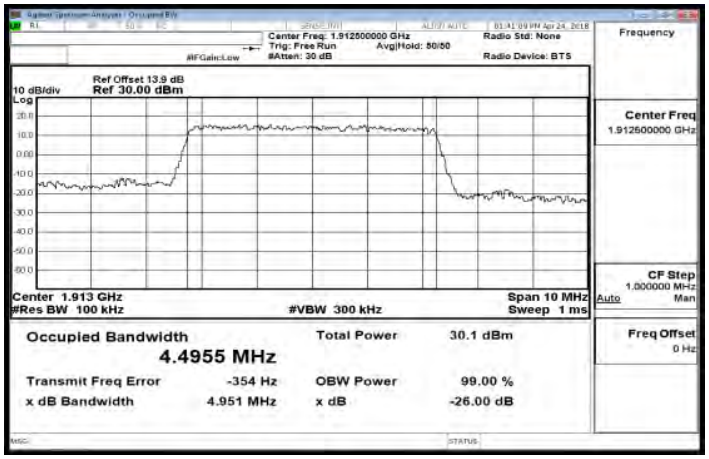
Band25_5MHz_QPSK_25_0_MidCH26365



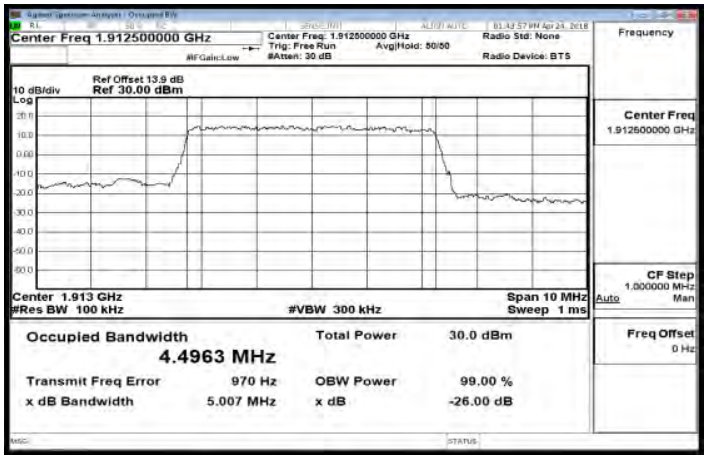
Band25_5MHz_16QAM_25_0_MidCH26365



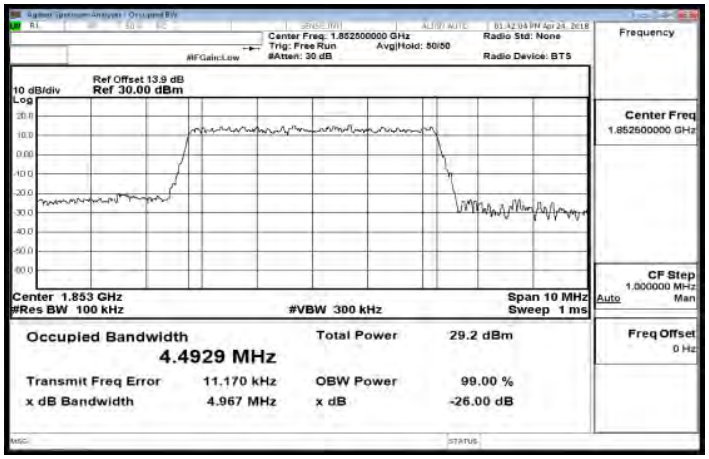
Band25_5MHz_QPSK_25_0_HighCH26665



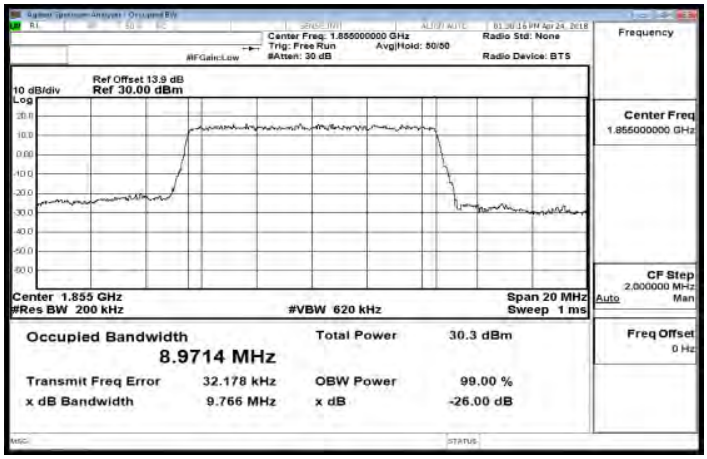
Band25_5MHz_16QAM_25_0_HighCH26665



Band25_5MHz_16QAM_25_0_LowCH26065



Band25_10MHz_QPSK_50_0_LowCH26090



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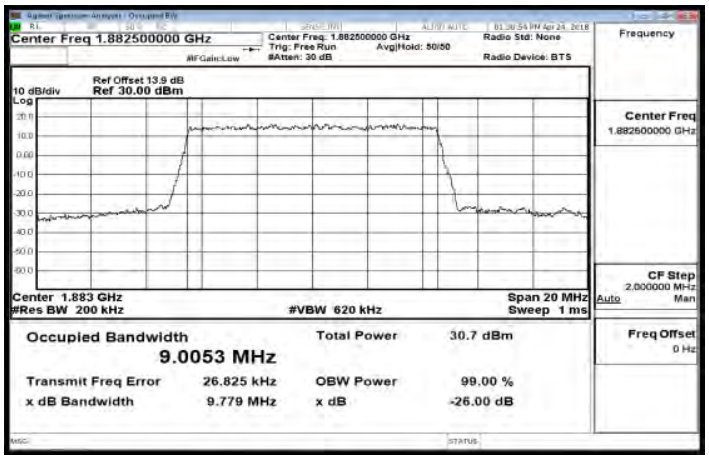
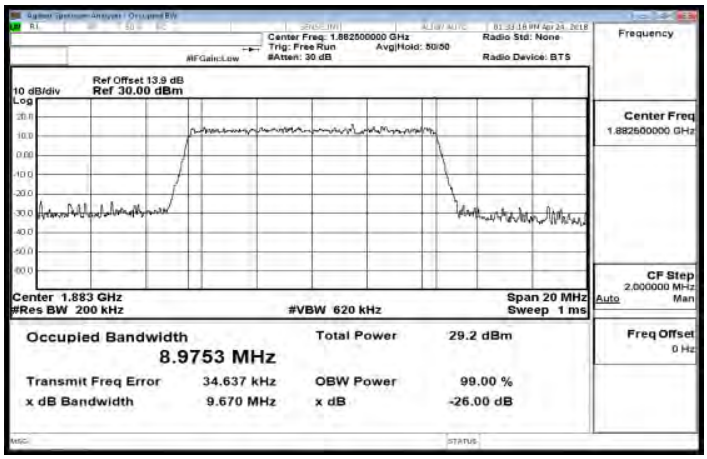
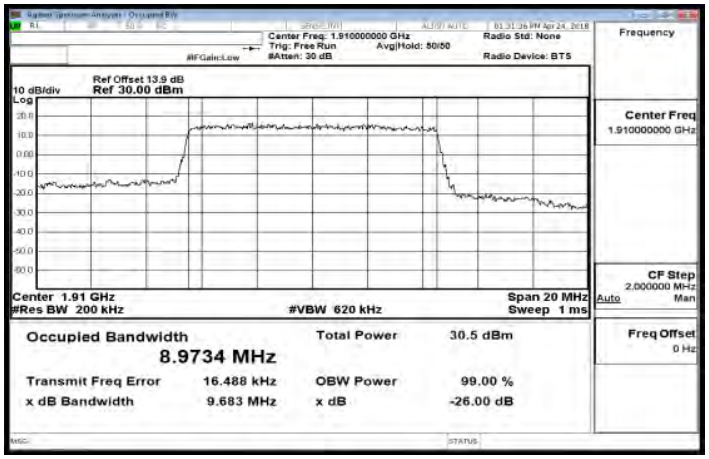
Band25_10MHz_QPSK_50_0_MidCH26365



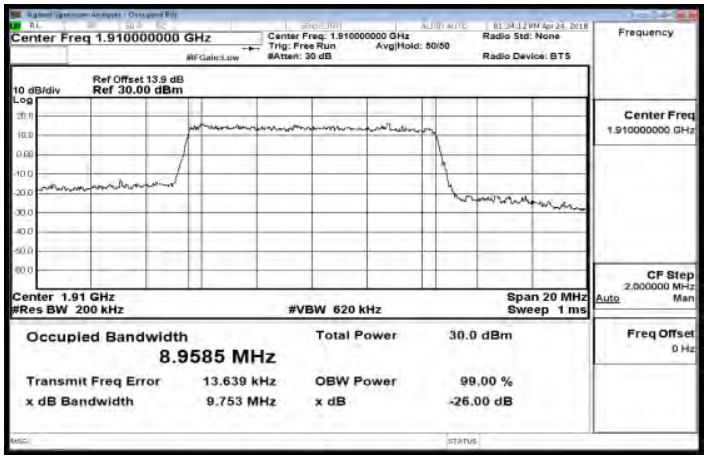
Band25_10MHz_16QAM_50_0_MidCH26365



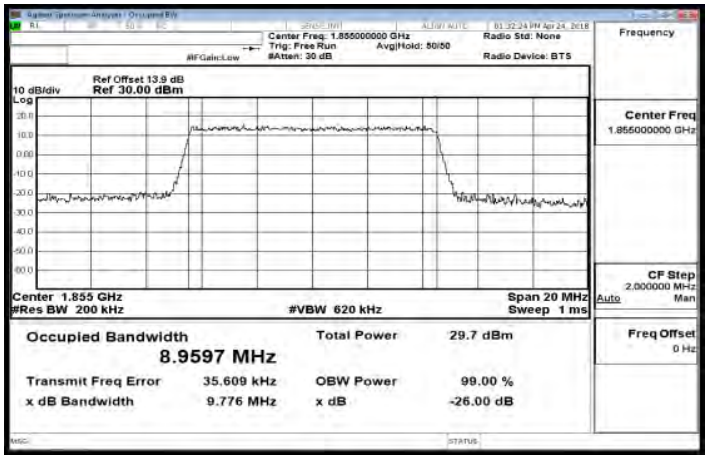
Band25_10MHz_QPSK_50_0_HighCH26640



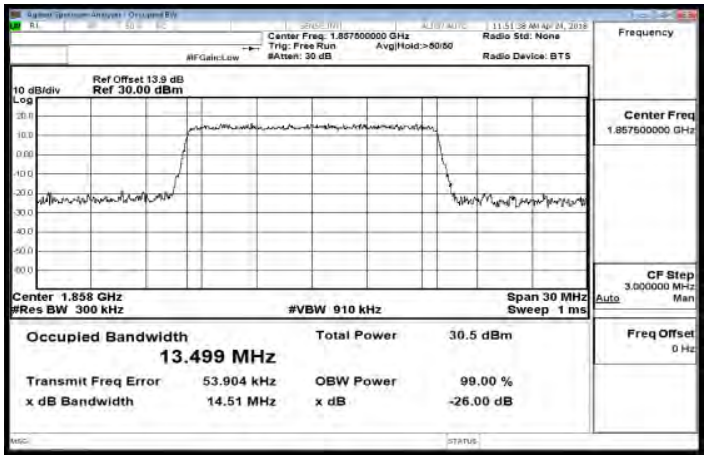
Band25_10MHz_16QAM_50_0_HighCH26640



Band25_10MHz_16QAM_50_0_LowCH26090



Band25_15MHz_QPSK_75_0_LowCH26115



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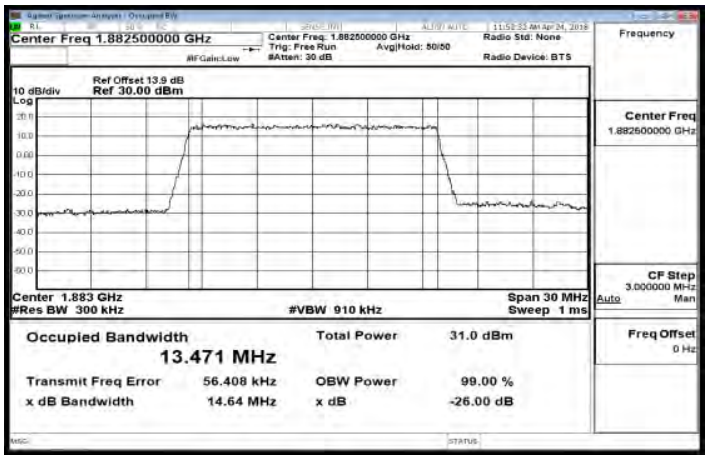
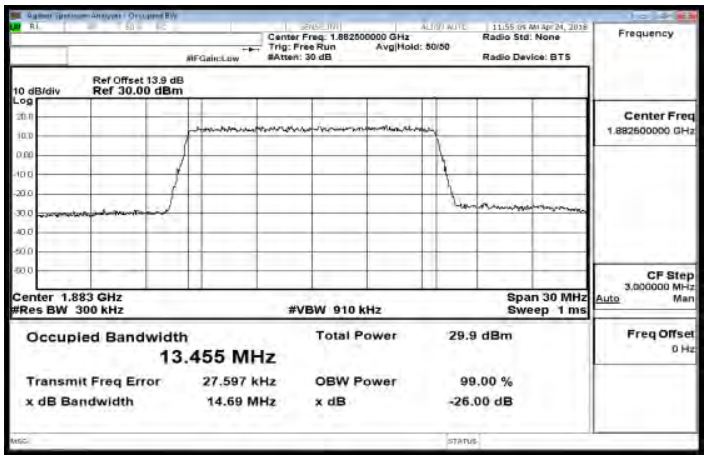
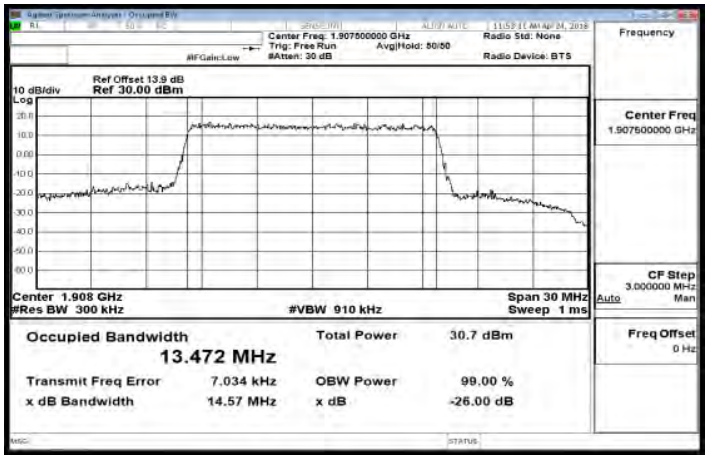
Band25_15MHz_QPSK_75_0_MidCH26365



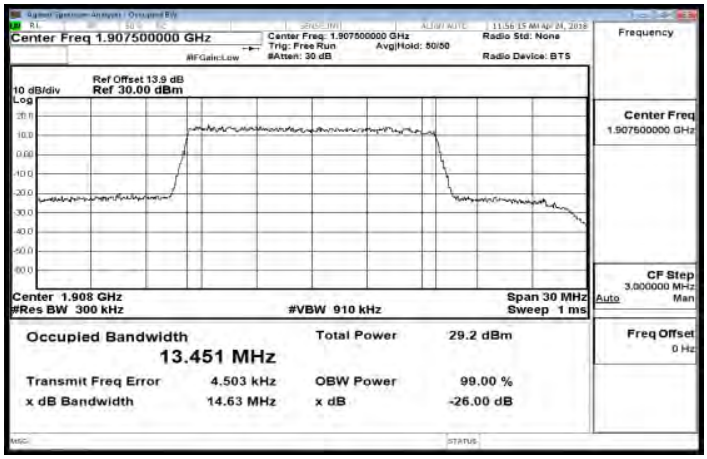
Band25_15MHz_16QAM_75_0_MidCH26365



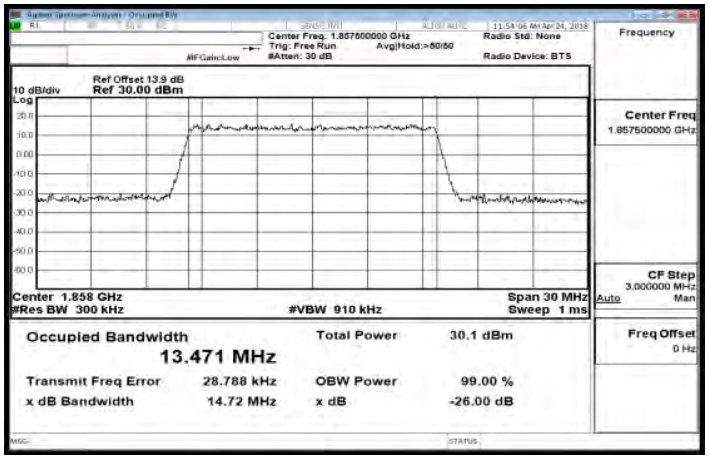
Band25_15MHz_QPSK_75_0_HighCH26615



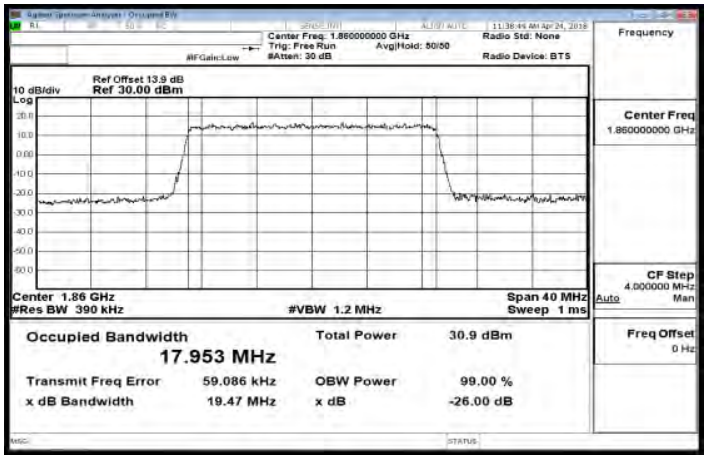
Band25_15MHz_16QAM_75_0_HighCH26615



Band25_15MHz_16QAM_75_0_LowCH26115



Band25_20MHz_QPSK_100_0_LowCH26140



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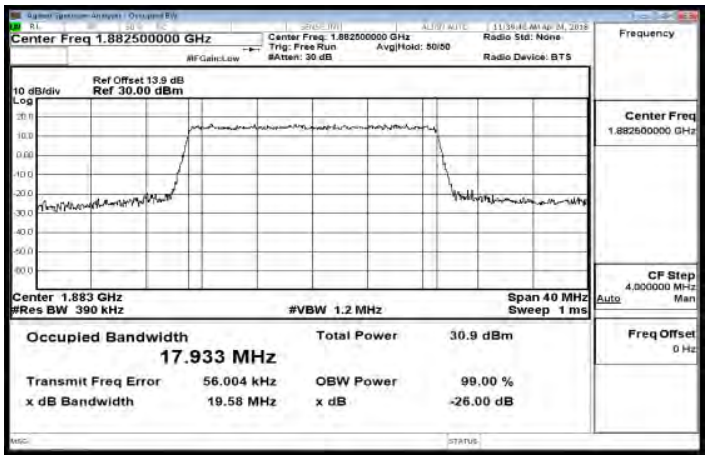
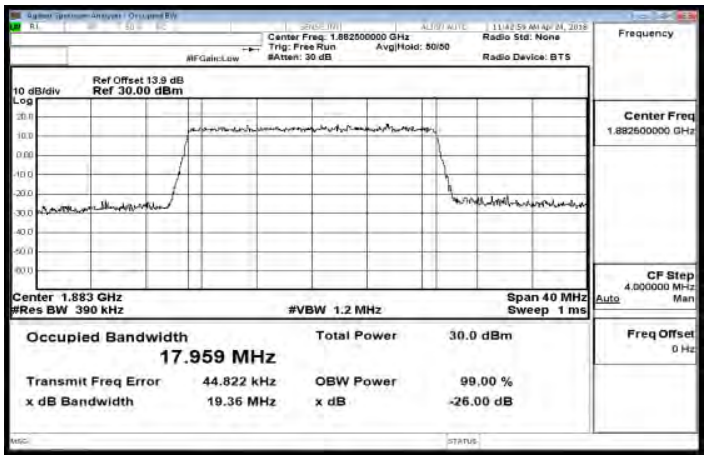
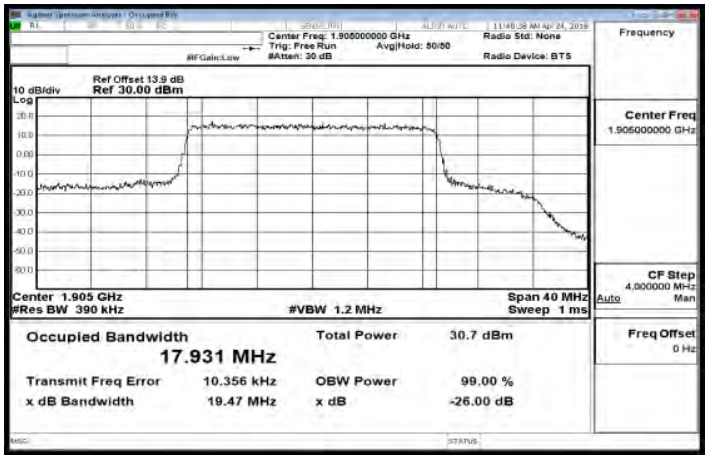
Band25_20MHz_QPSK_100_0_MidCH26365



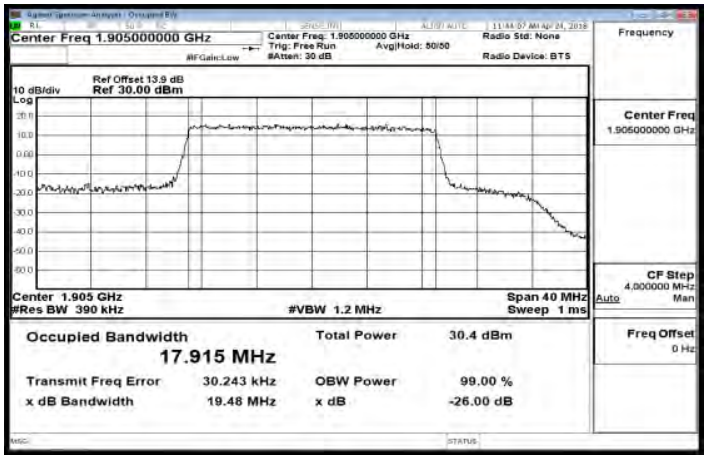
Band25_20MHz_16QAM_100_0_MidCH26365



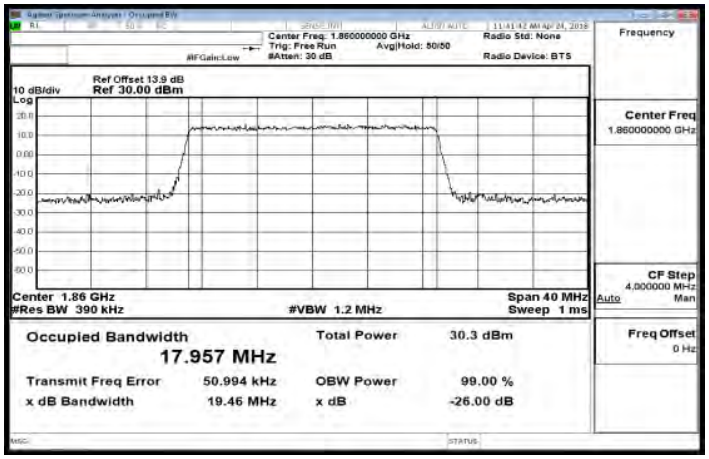
Band25_20MHz_QPSK_100_0_HighCH26590



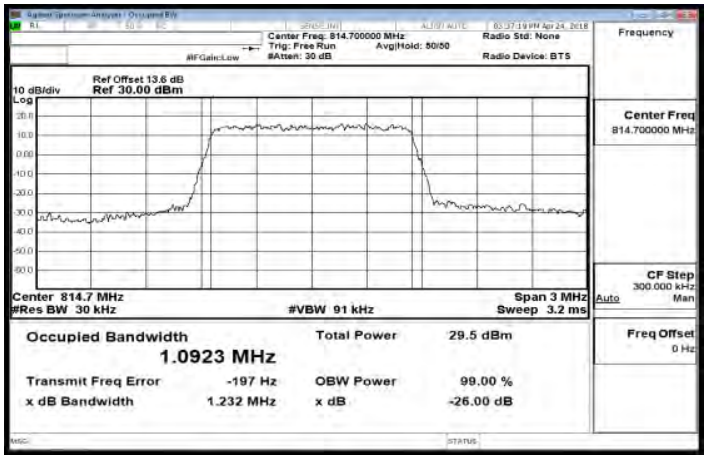
Band25_20MHz_16QAM_100_0_HighCH26590



Band25_20MHz_16QAM_100_0_LowCH26140



Band26_1_4MHz_QPSK_6_0_LowCH26697



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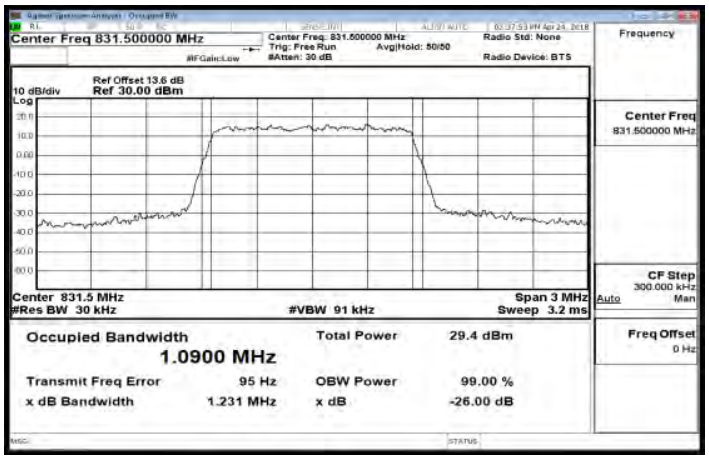
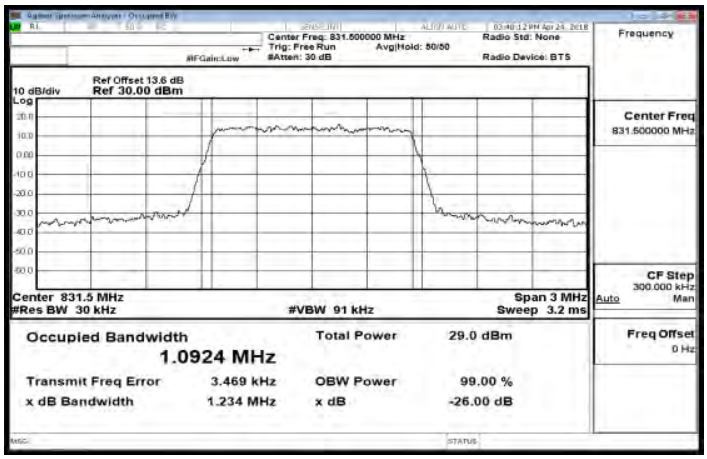
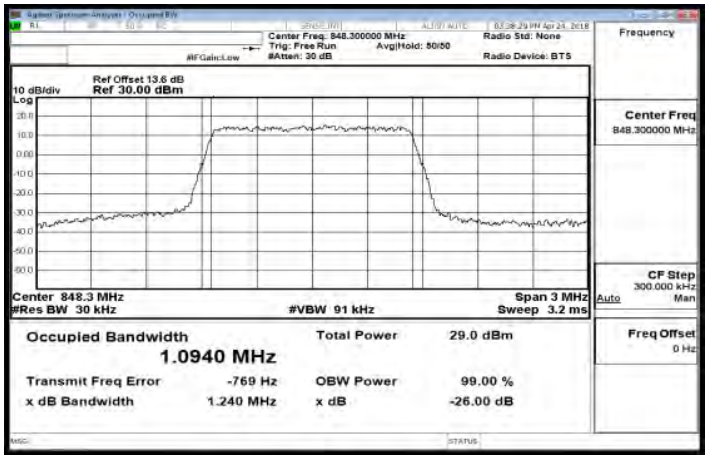
Band26_1_4MHz_QPSK_6_0_MidCH26865



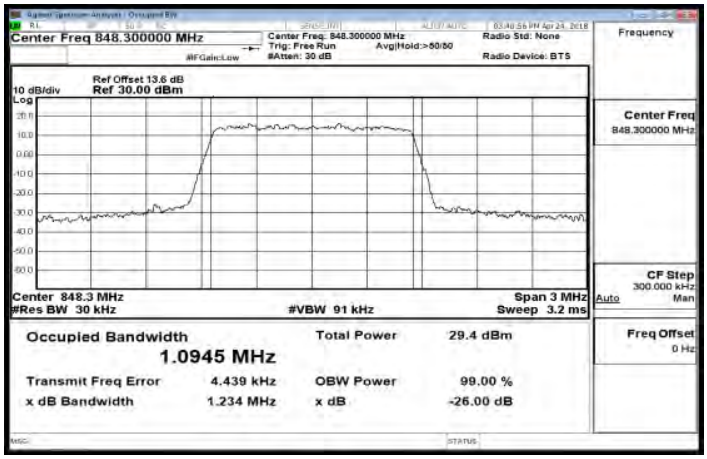
Band26_1_4MHz_16QAM_6_0_MidCH26865



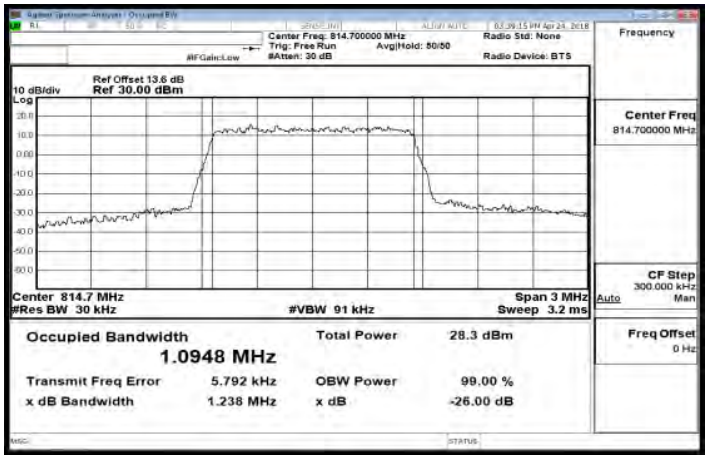
Band26_1_4MHz_QPSK_6_0_HighCH27033



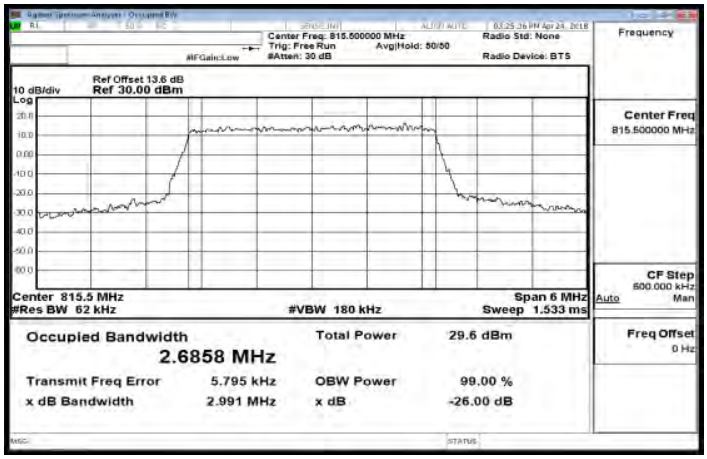
Band26_1_4MHz_16QAM_6_0_HighCH27033



Band26_1_4MHz_16QAM_6_0_LowCH26697



Band26_3MHz_QPSK_15_0_LowCH26705



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