

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO

FCC PART 22 SUBPART H, PART 24 SUBPART E, PART 27 SUBPART B, C & SUBPART L, PART 90S AND INDUSTRY CANADA RSS-130, RSS-132, RSS-133, RSS-139, RSS-195 & RSS-199 REQUIREMENT

OF

Applicant: Razer Inc.
201 3rd Street, Suite 900, San Francisco, CA 94103, USA

Product Name: Smart Phone

Brand Name: RAZER

Model No.: RZ35-0215

Model Difference: N/A

FCC ID: RWO-RZ350215

IC: 8092D- RZ350215

Report No.: E2/2017/80129

FCC Rule Part: 2 , 22H & 24E & 27B, C & L & 90S
RSS 130 Issue 1 Oct. 2013, RSS 132 Issue 3 Jan. 2013, RSS 133 Issue 6
Jan. 2013, RSS 139 Issue 3 Jul. 2015, RSS 195 Issue 2 Apr. 2014, RSS
199 Issue 3 Dec. 2016

IC Rule Part:

Issue Date: Oct. 03, 2017

Date of Test: Aug. 30, 2017 ~ Sep. 28, 2017

Date of EUT Received: Aug. 30, 2017

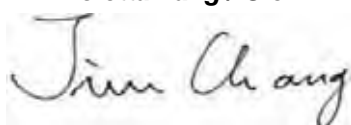
We hereby certify that:

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 C63.10:2013 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.

Prepared By: 

Violetta Tang / Clerk

Approved By: 

Jim Chang / Asst. Manager



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Revision History

Report Number	Revision	Description	Issue Date
E2/2017/80129	Rev.00	Initial creation of document	Oct. 03, 2017

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1. GENERAL PRODUCT INFORMATION

1.1. Product Description

General:

Product Name:	Smart Phone		
Brand Name:	RAZER		
Model No.:	RZ35-0215		
Model Difference:	N/A		
Product SW/HW version:	N/A / DVT		
Radio SW/HW version:	N/A / N/A		
Test SW Version:	N/A		
RF power setting in TEST SW:	N/A		
USB Cable:	Mode No.: RC30-02150700-0000, Supplier: Razer Marketing Name: RC30-021507		
Audio Dongle:	Mode No.: RC30-021505, Supplier: Razer		
Power Supply:	3.85Vdc from Rechargeable Li-ion Battery or 5V/9V/12V by AC/DC Power Adapter		
	Battery:	Mode No.: RC30-0215, Supplier: Razer	
	Adapter:	Mode No.: RC30-021501, Supplier: Razer	

GSM / WCDMA / LTE:

Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
	GSM/GPRS 850	824.2 MHz– 848.8 MHz	33dBm
	EDGE 850	824.2 MHz– 848.8 MHz	33dBm
	GSM/GPRS 1900	1850.2MHz – 1909.8MHz	30dBm
	EDGE 1900	1850.2MHz – 1909.8MHz	30dBm
	WCDMA / HSPA+ Band II	1852.4MHz – 1907.6MHz	24dBm
	WCDMA / HSPA+ Band IV	1712.4MHz – 1752.6MHz	24dBm
	WCDMA / HSPA+ Band V	826.4MHz - 846.6MHz	24dBm

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Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
		LTE-Band 2 (1.4MHz)	1850.7MHz– 1909.3MHz
	LTE-Band 2 (3MHz)	1851.5MHz – 1908.5MHz	23dBm
	LTE-Band 2 (5MHz)	1852.5MHz – 1907.5MHz	23dBm
	LTE-Band 2 (10MHz)	1855.0MHz – 1905.0MHz	23dBm
	LTE-Band 2 (15MHz)	1857.5MHz – 1902.5MHz	23dBm
	LTE-Band 2 (20MHz)	1860.0MHz – 1900.0MHz	23dBm
	LTE-Band 4/66 (1.4MHz)	1710.7MHz– 1754.3MHz	23dBm
	LTE-Band 4/66 (3MHz)	1711.5MHz – 1753.5MHz	23dBm
	LTE-Band 4/66 (5MHz)	1712.5MHz – 1752.5MHz	23dBm
	LTE-Band 4/66 (10MHz)	1715MHz – 1750MHz	23dBm
	LTE-Band 4/66 (15MHz)	1717.5MHz – 1747.5MHz	23dBm
	LTE-Band 4/66 (20MHz)	1720MHz – 1745MHz	23dBm
	LTE-Band 5 (1.4MHz)	824.7MHz – 848.3MHz	23dBm
	LTE-Band 5 (3MHz)	825.5MHz – 847.5MHz	23dBm
	LTE-Band 5 (5MHz)	826.5MHz – 846.5MHz	23dBm
	LTE-Band 5 (10MHz)	829.0MHz – 844.0MHz	23dBm
	LTE-Band 7 (5MHz)	2502.5MHz – 2567.5MHz	23dBm
	LTE-Band 7 (10MHz)	2505.0MHz – 2565.0MHz	23dBm
	LTE-Band 7 (15MHz)	2507.5MHz – 2562.5MHz	23dBm
	LTE-Band 7 (20MHz)	2510.0MHz – 2560MHz	23dBm
	LTE-Band 12 (1.4MHz)	699.7MHz– 715.3MHz	23dBm
	LTE-Band 12 (3MHz)	700.5MHz – 714.5MHz	23dBm
	LTE-Band 12 (5MHz)	701.5MHz – 713.5MHz	23dBm
	LTE-Band 12 (10MHz)	704.0MHz – 711.0MHz	23dBm
	LTE-Band 17 (5MHz)	706.5MHz – 713.5MHz	23dBm
	LTE-Band 17 (10MHz)	709.0MHz –711.0MHz	23dBm
	LTE-Band 25 (1.4MHz)	1850.7MHz– 1914.3MHz	23dBm
	LTE-Band 25 (3MHz)	1851.5MHz – 1913.5MHz	23dBm
	LTE-Band 25 (5MHz)	1852.5MHz – 1912.5MHz	23dBm
	LTE-Band 25 (10MHz)	1855.0MHz – 1910.0MHz	23dBm
	LTE-Band 25 (15MHz)	1857.5MHz – 1907.5MHz	23dBm
	LTE-Band 25 (20MHz)	1860.0MHz – 1905.0MHz	23dBm

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Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
	LTE-Band 26 (1.4MHz) (for Part 90S)	814.7 MHz– 823.3 MHz	23dBm
	LTE-Band 26 (3MHz) (for Part 90S)	815.5 MHz– 822.5 MHz	23dBm
	LTE-Band 26 (5MHz) (for Part 90S)	816.5 MHz– 822.5 MHz	23dBm
	LTE-Band 26 (10MHz) (for Part 90S)	819.0 MHz– 819.0 MHz	23dBm
	LTE-Band 26 (1.4MHz)	824.7 MHz– 848.3 MHz	23dBm
	LTE-Band 26 (3MHz)	825.5 MHz– 847.5 MHz	23dBm
	LTE-Band 26 (5MHz)	826.5 MHz– 846.5 MHz	23dBm
	LTE-Band 26 (10MHz)	829.0 MHz– 844.0 MHz	23dBm
	LTE-Band 26 (15MHz)	831.5 MHz– 841.5 MHz	23dBm
	LTE-Band 30 (5MHz)	2307.5 MHz– 2312.5 MHz	23dBm
	LTE-Band 30 (10MHz)	2310 MHz	23dBm
	LTE-Band 38 (5MHz)	2572.5MHz – 2617.5MHz	23dBm
	LTE-Band 38 (10MHz)	2575MHz – 2615MHz	23dBm
	LTE-Band 38 (15MHz)	2577.5MHz – 2612.5MHz	23dBm
	LTE-Band 38 (20MHz)	2580MHz – 2610MHz	23dBm
	LTE-Band 41 (5MHz)	2547.5MHz – 2652.5MHz	23dBm
	LTE-Band 41 (10MHz)	2550.0MHz – 2650.0MHz	23dBm
	LTE-Band 41 (15MHz)	2552.5MHz – 2647.5MHz	23dBm
	LTE-Band 41 (20MHz)	2555.0MHz – 2645.0MHz	23dBm
IMEI:	35343409.000679.6.00		

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Type of Emission:

Frequency Band	Type of Emission:
GSM 850	244KGXW
GPRS 850	246KGXW
EDGE 850	245KG7W
GSM 1900	247KGXW
GPRS 1900	249KGXW
EDGE 1900	251KG7W
WCDMA Band II	4M12F9W
HSDPA Band II	4M12F9W
HSUPA Band II	4M12F9W
WCDMA Band IV	4M13F9W
HSDPA Band IV	4M13F9W
HSUPA Band IV	4M13F9W
WCDMA Band V	4M13F9W
HSDPA Band V	4M14F9W
HSUPA Band V	4M14F9W

LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 2	1.4MHz	QPSK	1M09G7D
LTE Band 2	1.4MHz	16QAM	1M10D7W
LTE Band 2	1.4MHz	64QAM	1M09D7W
LTE Band 2	3MHz	QPSK	2M72G7D
LTE Band 2	3MHz	16QAM	2M71D7W
LTE Band 2	3MHz	64QAM	2M70D7W
LTE Band 2	5MHz	QPSK	4M51G7D
LTE Band 2	5MHz	16QAM	4M50D7W
LTE Band 2	5MHz	64QAM	4M51D7W
LTE Band 2	10MHz	QPSK	8M99G7D
LTE Band 2	10MHz	16QAM	9M02D7W
LTE Band 2	10MHz	64QAM	8M98D7W
LTE Band 2	15MHz	QPSK	13M5G7D
LTE Band 2	15MHz	16QAM	13M5D7W
LTE Band 2	15MHz	64QAM	13M5D7W
LTE Band 2	20MHz	QPSK	17M9G7D
LTE Band 2	20MHz	16QAM	18M0D7W
LTE Band 2	20MHz	64QAM	18M0D7W

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LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 4	1.4MHz	QPSK	1M10G7D
LTE Band 4	1.4MHz	16QAM	1M10D7W
LTE Band 4	1.4MHz	64QAM	1M09D7W
LTE Band 4	3MHz	QPSK	2M70G7D
LTE Band 4	3MHz	16QAM	2M71D7W
LTE Band 4	3MHz	64QAM	2M71D7W
LTE Band 4	5MHz	QPSK	4M52G7D
LTE Band 4	5MHz	16QAM	4M51D7W
LTE Band 4	5MHz	64QAM	4M50D7W
LTE Band 4	10MHz	QPSK	9M02G7D
LTE Band 4	10MHz	16QAM	8M98D7W
LTE Band 4	10MHz	64QAM	8M99D7W
LTE Band 4	15MHz	QPSK	13M5G7D
LTE Band 4	15MHz	16QAM	13M5D7W
LTE Band 4	15MHz	64QAM	13M5D7W
LTE Band 4	20MHz	QPSK	18M0G7D
LTE Band 4	20MHz	16QAM	18M0D7W
LTE Band 4	20MHz	64QAM	17M9D7W

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LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 5	1.4MHz	QPSK	1M10G7D
LTE Band 5	1.4MHz	16QAM	1M10D7W
LTE Band 5	1.4MHz	64QAM	1M10D7W
LTE Band 5	3MHz	QPSK	2M70G7D
LTE Band 5	3MHz	16QAM	2M70D7W
LTE Band 5	3MHz	64QAM	2M71D7W
LTE Band 5	5MHz	QPSK	4M52G7D
LTE Band 5	5MHz	16QAM	4M51D7W
LTE Band 5	5MHz	64QAM	4M50D7W
LTE Band 5	10MHz	QPSK	9M00G7D
LTE Band 5	10MHz	16QAM	8M98D7W
LTE Band 5	10MHz	64QAM	9M00D7W
LTE Band 7	5MHz	QPSK	4M50G7D
LTE Band 7	5MHz	16QAM	4M51D7W
LTE Band 7	5MHz	64QAM	4M50D7W
LTE Band 7	10MHz	QPSK	9M00G7D
LTE Band 7	10MHz	16QAM	8M97D7W
LTE Band 7	10MHz	64QAM	8M98D7W
LTE Band 7	15MHz	QPSK	13M5G7D
LTE Band 7	15MHz	16QAM	13M5D7W
LTE Band 7	15MHz	64QAM	13M5D7W
LTE Band 7	20MHz	QPSK	17M9G7D
LTE Band 7	20MHz	16QAM	18M0D7W
LTE Band 7	20MHz	64QAM	17M9D7W

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LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 12	1.4MHz	QPSK	1M10G7D
LTE Band 12	1.4MHz	16QAM	1M10D7W
LTE Band 12	1.4MHz	64QAM	1M10D7W
LTE Band 12	3MHz	QPSK	2M71G7D
LTE Band 12	3MHz	16QAM	2M71D7W
LTE Band 12	3MHz	64QAM	2M71D7W
LTE Band 12	5MHz	QPSK	4M52G7D
LTE Band 12	5MHz	16QAM	4M51D7W
LTE Band 12	5MHz	64QAM	4M50D7W
LTE Band 12	10MHz	QPSK	9M02G7D
LTE Band 12	10MHz	16QAM	9M00D7W
LTE Band 12	10MHz	64QAM	8M99D7W
LTE Band 17	5MHz	QPSK	4M52G7D
LTE Band 17	5MHz	16QAM	4M53D7W
LTE Band 17	5MHz	64QAM	4M50D7W
LTE Band 17	10MHz	QPSK	8M98G7D
LTE Band 17	10MHz	16QAM	8M95D7W
LTE Band 17	10MHz	64QAM	8M96D7W
LTE Band 25	1.4MHz	QPSK	1M10G7D
LTE Band 25	1.4MHz	16QAM	1M10D7W
LTE Band 25	1.4MHz	64QAM	1M09D7W
LTE Band 25	3MHz	QPSK	2M70G7D
LTE Band 25	3MHz	16QAM	2M70D7W
LTE Band 25	3MHz	64QAM	2M71D7W
LTE Band 25	5MHz	QPSK	4M50G7D
LTE Band 25	5MHz	16QAM	4M95D7W
LTE Band 25	5MHz	64QAM	4M50D7W
LTE Band 25	10MHz	QPSK	9M00G7D
LTE Band 25	10MHz	16QAM	8M97D7W
LTE Band 25	10MHz	64QAM	8M99D7W
LTE Band 25	15MHz	QPSK	13M5G7D
LTE Band 25	15MHz	16QAM	13M5D7W
LTE Band 25	15MHz	64QAM	13M5D7W
LTE Band 25	20MHz	QPSK	18M1G7D
LTE Band 25	20MHz	16QAM	18M0D7W
LTE Band 25	20MHz	64QAM	18M0D7W

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LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 26	1.4MHz	QPSK	1M10G7D
LTE Band 26	1.4MHz	16QAM	1M10D7W
LTE Band 26	1.4MHz	64QAM	1M10D7W
LTE Band 26	3MHz	QPSK	2M70G7D
LTE Band 26	3MHz	16QAM	2M71D7W
LTE Band 26	3MHz	64QAM	2M71D7W
LTE Band 26	5MHz	QPSK	4M51G7D
LTE Band 26	5MHz	16QAM	4M51D7W
LTE Band 26	5MHz	64QAM	4M50D7W
LTE Band 26	10MHz	QPSK	9M01G7D
LTE Band 26	10MHz	16QAM	9M00D7W
LTE Band 26	10MHz	64QAM	9M00D7W
LTE Band 26	15MHz	QPSK	13M5G7W
LTE Band 26	15MHz	16QAM	13M5D7W
LTE Band 26	15MHz	64QAM	13M5D7W
LTE Band 30	5MHz	QPSK	4M50G7D
LTE Band 30	5MHz	16QAM	4M51D7W
LTE Band 30	5MHz	64QAM	4M51D7W
LTE Band 30	10MHz	QPSK	8M98G7D
LTE Band 30	10MHz	16QAM	8M94D7W
LTE Band 30	10MHz	64QAM	8M97D7W

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LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 38	5MHz	QPSK	4M50G7D
LTE Band 38	5MHz	16QAM	4M50D7W
LTE Band 38	5MHz	64QAM	4M52D7W
LTE Band 38	10MHz	QPSK	8M98G7D
LTE Band 38	10MHz	16QAM	8M96D7W
LTE Band 38	10MHz	64QAM	8M98D7W
LTE Band 38	15MHz	QPSK	13M5G7D
LTE Band 38	15MHz	16QAM	13M5D7W
LTE Band 38	15MHz	64QAM	13M4D7W
LTE Band 38	20MHz	QPSK	17M9G7D
LTE Band 38	20MHz	16QAM	17M9D7W
LTE Band 38	20MHz	64QAM	17M9D7W
LTE Band 41	5MHz	QPSK	4M51G7D
LTE Band 41	5MHz	16QAM	4M50D7W
LTE Band 41	5MHz	64QAM	4M51D7W
LTE Band 41	10MHz	QPSK	8M97G7D
LTE Band 41	10MHz	16QAM	8M98D7W
LTE Band 41	10MHz	64QAM	8M98D7W
LTE Band 41	15MHz	QPSK	13M5G7D
LTE Band 41	15MHz	16QAM	13M5D7W
LTE Band 41	15MHz	64QAM	13M5D7W
LTE Band 41	20MHz	QPSK	17M9G7D
LTE Band 41	20MHz	16QAM	17M9D7W
LTE Band 41	20MHz	64QAM	17M9D7W

LTE Band 26 for Part 90S

LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 26	1.4MHz	QPSK	1M09G7D
LTE Band 26	1.4MHz	16QAM	1M10D7W
LTE Band 26	1.4MHz	64QAM	1M10D7W
LTE Band 26	3MHz	QPSK	2M70G7D
LTE Band 26	3MHz	16QAM	2M70D7W
LTE Band 26	3MHz	64QAM	2M71D7W
LTE Band 26	5MHz	QPSK	4M50G7D
LTE Band 26	5MHz	16QAM	4M51D7W
LTE Band 26	5MHz	64QAM	4M51D7W
LTE Band 26	10MHz	QPSK	9M00G7D
LTE Band 26	10MHz	16QAM	8M99D7W
LTE Band 26	10MHz	64QAM	8M98D7W

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Max ERP/EIRP Power Measurement Result:

	dBm		W
GSM 850	28.25	ERP	0.668
GPRS 850	28.38	ERP	0.689
EDGE 850	23.84	ERP	0.242
GSM 1900	22.39	EIRP	0.173
GPRS 1900	22.37	EIRP	0.173
EDGE 1900	9.77	EIRP	0.009
WCDMA Band II	21.32	EIRP	0.136
HSDPA Band II	19.30	EIRP	0.085
HSUPA Band II	19.58	EIRP	0.091
WCDMA Band IV	17.61	EIRP	0.058
HSDPA Band IV	17.83	EIRP	0.061
HSUPA Band IV	18.40	EIRP	0.069
WCDMA Band V	22.59	ERP	0.182
HSDPA Band V	22.46	ERP	0.176
HSUPA Band V	21.79	ERP	0.151

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	dBm		W
LTE-Band 2 (Bandwidth 1.4MHz) QPSK	17.92	EIRP	0.062
LTE-Band 2 (Bandwidth 1.4MHz) 16QAM	16.41	EIRP	0.044
LTE-Band 2 (Bandwidth 1.4MHz) 64QAM	15.21	EIRP	0.033
LTE-Band 2 (Bandwidth 3MHz) QPSK	15.55	EIRP	0.036
LTE-Band 2 (Bandwidth 3MHz) 16QAM	15.21	EIRP	0.033
LTE-Band 2 (Bandwidth 3MHz) 64QAM	15.24	EIRP	0.033
LTE-Band 2 (Bandwidth 5MHz) QPSK	15.20	EIRP	0.033
LTE-Band 2 (Bandwidth 5MHz) 16QAM	15.34	EIRP	0.034
LTE-Band 2 (Bandwidth 5MHz) 64QAM	15.14	EIRP	0.033
LTE-Band 2 (Bandwidth 10MHz) QPSK	15.15	EIRP	0.033
LTE-Band 2 (Bandwidth 10MHz) 16QAM	15.27	EIRP	0.034
LTE-Band 2 (Bandwidth 10MHz) 64QAM	15.18	EIRP	0.033
LTE-Band 2 (Bandwidth 15MHz) QPSK	14.86	EIRP	0.031
LTE-Band 2 (Bandwidth 15MHz) 16QAM	14.86	EIRP	0.031
LTE-Band 2 (Bandwidth 15MHz) 64QAM	15.36	EIRP	0.034
LTE-Band 2 (Bandwidth 20MHz) QPSK	14.76	EIRP	0.030
LTE-Band 2 (Bandwidth 20MHz) 16QAM	14.83	EIRP	0.030
LTE-Band 2 (Bandwidth 20MHz) 64QAM	15.06	EIRP	0.032
LTE-Band 4 (Bandwidth 1.4MHz) QPSK	19.34	EIRP	0.086
LTE-Band 4 (Bandwidth 1.4MHz) 16QAM	19.45	EIRP	0.088
LTE-Band 4 (Bandwidth 1.4MHz) 64QAM	21.71	EIRP	0.148
LTE-Band 4 (Bandwidth 3MHz) QPSK	18.94	EIRP	0.078
LTE-Band 4 (Bandwidth 3MHz) 16QAM	19.14	EIRP	0.082
LTE-Band 4 (Bandwidth 3MHz) 64QAM	20.63	EIRP	0.116
LTE-Band 4 (Bandwidth 5MHz) QPSK	19.22	EIRP	0.084
LTE-Band 4 (Bandwidth 5MHz) 16QAM	19.25	EIRP	0.084
LTE-Band 4 (Bandwidth 5MHz) 64QAM	21.63	EIRP	0.146
LTE-Band 4 (Bandwidth 10MHz) QPSK	19.82	EIRP	0.096
LTE-Band 4 (Bandwidth 10MHz) 16QAM	19.04	EIRP	0.080
LTE-Band 4 (Bandwidth 10MHz) 64QAM	21.64	EIRP	0.146
LTE-Band 4 (Bandwidth 15MHz) QPSK	17.87	EIRP	0.061
LTE-Band 4 (Bandwidth 15MHz) 16QAM	19.08	EIRP	0.081
LTE-Band 4 (Bandwidth 15MHz) 64QAM	21.79	EIRP	0.151
LTE-Band 4 (Bandwidth 20MHz) QPSK	18.90	EIRP	0.078
LTE-Band 4 (Bandwidth 20MHz) 16QAM	18.94	EIRP	0.078
LTE-Band 4 (Bandwidth 20MHz) 64QAM	21.87	EIRP	0.154

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	dBm		W
LTE-Band 5 (Bandwidth 1.4MHz) QPSK	24.20	ERP	0.263
LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	24.27	ERP	0.267
LTE-Band 5 (Bandwidth 1.4MHz) 64QAM	24.18	ERP	0.262
LTE-Band 5 (Bandwidth 3MHz) QPSK	24.01	ERP	0.252
LTE-Band 5 (Bandwidth 3MHz) 16QAM	24.05	ERP	0.254
LTE-Band 5 (Bandwidth 3MHz) 64QAM	24.10	ERP	0.257
LTE-Band 5 (Bandwidth 5MHz) QPSK	23.70	ERP	0.234
LTE-Band 5 (Bandwidth 5MHz) 16QAM	23.88	ERP	0.244
LTE-Band 5 (Bandwidth 5MHz) 64QAM	23.75	ERP	0.237
LTE-Band 5 (Bandwidth 10MHz) QPSK	23.90	ERP	0.245
LTE-Band 5 (Bandwidth 10MHz) 16QAM	23.88	ERP	0.244
LTE-Band 5 (Bandwidth 10MHz) 64QAM	23.91	ERP	0.246
LTE-Band 7 (Bandwidth 5MHz) QPSK	22.75	EIRP	0.188
LTE-Band 7 (Bandwidth 5MHz) 16QAM	22.19	EIRP	0.166
LTE-Band 7 (Bandwidth 5MHz) 64QAM	21.43	EIRP	0.139
LTE-Band 7 (Bandwidth 10MHz) QPSK	23.08	EIRP	0.203
LTE-Band 7 (Bandwidth 10MHz) 16QAM	22.09	EIRP	0.162
LTE-Band 7 (Bandwidth 10MHz) 64QAM	22.22	EIRP	0.167
LTE-Band 7 (Bandwidth 15MHz) QPSK	22.50	EIRP	0.178
LTE-Band 7 (Bandwidth 15MHz) 16QAM	22.51	EIRP	0.178
LTE-Band 7 (Bandwidth 15MHz) 64QAM	21.61	EIRP	0.145
LTE-Band 7 (Bandwidth 20MHz) QPSK	22.17	EIRP	0.165
LTE-Band 7 (Bandwidth 20MHz) 16QAM	22.48	EIRP	0.177
LTE-Band 7 (Bandwidth 20MHz) 64QAM	21.80	EIRP	0.151

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	dBm		W
LTE-Band 12 (Bandwidth 1.4MHz) QPSK	21.56	ERP	0.143
LTE-Band 12 (Bandwidth 1.4MHz) 16QAM	21.74	ERP	0.149
LTE-Band 12 (Bandwidth 1.4MHz) 64QAM	21.42	ERP	0.139
LTE-Band 12 (Bandwidth 3MHz) QPSK	21.71	ERP	0.148
LTE-Band 12 (Bandwidth 3MHz) 16QAM	21.47	ERP	0.140
LTE-Band 12 (Bandwidth 3MHz) 64QAM	21.73	ERP	0.149
LTE-Band 12 (Bandwidth 5MHz) QPSK	21.33	ERP	0.136
LTE-Band 12 (Bandwidth 5MHz) 16QAM	21.52	ERP	0.142
LTE-Band 12 (Bandwidth 5MHz) 64QAM	21.33	ERP	0.136
LTE-Band 12 (Bandwidth 10MHz) QPSK	21.25	ERP	0.133
LTE-Band 12 (Bandwidth 10MHz) 16QAM	21.23	ERP	0.133
LTE-Band 12 (Bandwidth 10MHz) 64QAM	21.13	ERP	0.130
LTE-Band 17 (Bandwidth 5MHz) QPSK	20.76	ERP	0.119
LTE-Band 17 (Bandwidth 5MHz) 16QAM	20.69	ERP	0.117
LTE-Band 17 (Bandwidth 5MHz) 64QAM	20.71	ERP	0.118
LTE-Band 17 (Bandwidth 10MHz) QPSK	20.81	ERP	0.121
LTE-Band 17 (Bandwidth 10MHz) 16QAM	20.75	ERP	0.119
LTE-Band 17 (Bandwidth 10MHz) 64QAM	20.92	ERP	0.124
LTE-Band 25 (Bandwidth 1.4MHz) QPSK	23.15	EIRP	0.207
LTE-Band 25 (Bandwidth 1.4MHz) 16QAM	23.16	EIRP	0.207
LTE-Band 25 (Bandwidth 1.4MHz) 64QAM	19.88	EIRP	0.097
LTE-Band 25 (Bandwidth 3MHz) QPSK	22.82	EIRP	0.191
LTE-Band 25 (Bandwidth 3MHz) 16QAM	22.74	EIRP	0.188
LTE-Band 25 (Bandwidth 3MHz) 64QAM	19.61	EIRP	0.091

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	dBm		W
LTE-Band 25 (Bandwidth 5MHz) QPSK	22.73	EIRP	0.187
LTE-Band 25 (Bandwidth 5MHz) 16QAM	22.80	EIRP	0.191
LTE-Band 25 (Bandwidth 5MHz) 64QAM	19.67	EIRP	0.093
LTE-Band 25 (Bandwidth 10MHz) QPSK	22.61	EIRP	0.182
LTE-Band 25 (Bandwidth 10MHz) 16QAM	22.60	EIRP	0.182
LTE-Band 25 (Bandwidth 10MHz) 64QAM	19.86	EIRP	0.097
LTE-Band 25 (Bandwidth 15MHz) QPSK	22.73	EIRP	0.187
LTE-Band 25 (Bandwidth 15MHz) 16QAM	22.78	EIRP	0.190
LTE-Band 25 (Bandwidth 15MHz) 64QAM	19.72	EIRP	0.094
LTE-Band 25 (Bandwidth 20MHz) QPSK	22.61	EIRP	0.182
LTE-Band 25 (Bandwidth 20MHz) 16QAM	22.56	EIRP	0.180
LTE-Band 25 (Bandwidth 20MHz) 64QAM	19.67	EIRP	0.093
LTE-Band 26 (Bandwidth 1.4MHz) QPSK	16.27	ERP	0.042
LTE-Band 26 (Bandwidth 1.4MHz) 16QAM	16.38	ERP	0.043
LTE-Band 26 (Bandwidth 1.4MHz) 64QAM	16.17	ERP	0.041
LTE-Band 26 (Bandwidth 3MHz) QPSK	23.57	ERP	0.228
LTE-Band 26 (Bandwidth 3MHz) 16QAM	23.32	ERP	0.215
LTE-Band 26 (Bandwidth 3MHz) 64QAM	23.31	ERP	0.214
LTE-Band 26 (Bandwidth 5MHz) QPSK	23.08	ERP	0.203
LTE-Band 26 (Bandwidth 5MHz) 16QAM	22.95	ERP	0.197
LTE-Band 26 (Bandwidth 5MHz) 64QAM	23.10	ERP	0.204
LTE-Band 26 (Bandwidth 10MHz) QPSK	23.29	ERP	0.213
LTE-Band 26 (Bandwidth 10MHz) 16QAM	23.05	ERP	0.202
LTE-Band 26 (Bandwidth 10MHz) 64QAM	23.08	ERP	0.203
LTE-Band 26 (Bandwidth 15MHz) QPSK	23.14	ERP	0.206
LTE-Band 26 (Bandwidth 15MHz) 16QAM	23.17	ERP	0.207
LTE-Band 26 (Bandwidth 15MHz) 64QAM	23.16	ERP	0.207
LTE-Band 30 (Bandwidth 5MHz) QPSK	22.34	EIRP	0.171
LTE-Band 30 (Bandwidth 5MHz) 16QAM	22.06	EIRP	0.161
LTE-Band 30 (Bandwidth 5MHz) 64QAM	22.00	EIRP	0.158
LTE-Band 30 (Bandwidth 10MHz) QPSK	21.83	EIRP	0.152
LTE-Band 30 (Bandwidth 10MHz) 16QAM	21.83	EIRP	0.152
LTE-Band 30 (Bandwidth 10MHz) 64QAM	22.47	EIRP	0.177

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	dBm		W
LTE-Band 38 (Bandwidth 5MHz) QPSK	22.10	EIRP	0.162
LTE-Band 38 (Bandwidth 5MHz) 16QAM	21.64	EIRP	0.146
LTE-Band 38 (Bandwidth 5MHz) 64QAM	21.66	EIRP	0.147
LTE-Band 38 (Bandwidth 10MHz) QPSK	21.90	EIRP	0.155
LTE-Band 38 (Bandwidth 10MHz) 16QAM	21.39	EIRP	0.138
LTE-Band 38 (Bandwidth 10MHz) 64QAM	21.47	EIRP	0.140
LTE-Band 38 (Bandwidth 15MHz) QPSK	21.76	EIRP	0.150
LTE-Band 38 (Bandwidth 15MHz) 16QAM	21.49	EIRP	0.141
LTE-Band 38 (Bandwidth 15MHz) 64QAM	21.60	EIRP	0.145
LTE-Band 38 (Bandwidth 20MHz) QPSK	21.81	EIRP	0.152
LTE-Band 38 (Bandwidth 20MHz) 16QAM	21.37	EIRP	0.137
LTE-Band 38 (Bandwidth 20MHz) 64QAM	21.58	EIRP	0.144
LTE-Band 41 (Bandwidth 5MHz) QPSK	23.34	EIRP	0.216
LTE-Band 41 (Bandwidth 5MHz) 16QAM	22.70	EIRP	0.186
LTE-Band 41 (Bandwidth 5MHz) 64QAM	23.58	EIRP	0.228
LTE-Band 41 (Bandwidth 10MHz) QPSK	23.77	EIRP	0.238
LTE-Band 41 (Bandwidth 10MHz) 16QAM	23.63	EIRP	0.231
LTE-Band 41 (Bandwidth 10MHz) 64QAM	23.50	EIRP	0.224
LTE-Band 41 (Bandwidth 15MHz) QPSK	24.00	EIRP	0.251
LTE-Band 41 (Bandwidth 15MHz) 16QAM	23.66	EIRP	0.232
LTE-Band 41 (Bandwidth 15MHz) 64QAM	23.58	EIRP	0.228
LTE-Band 41 (Bandwidth 20MHz) QPSK	23.95	EIRP	0.248
LTE-Band 41 (Bandwidth 20MHz) 16QAM	23.71	EIRP	0.235
LTE-Band 41 (Bandwidth 20MHz) 64QAM	23.79	EIRP	0.239

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LTE Band 26 for Part 90S

	dBm		W
LTE-Band 26 (Bandwidth 1.4MHz) QPSK	21.71	ERP	0.148
LTE-Band 26 (Bandwidth 1.4MHz) 16QAM	21.80	ERP	0.151
LTE-Band 26 (Bandwidth 1.4MHz) 64QAM	21.68	ERP	0.147
LTE-Band 26 (Bandwidth 3MHz) QPSK	14.25	ERP	0.027
LTE-Band 26 (Bandwidth 3MHz) 16QAM	15.92	ERP	0.039
LTE-Band 26 (Bandwidth 3MHz) 64QAM	15.97	ERP	0.040
LTE-Band 26 (Bandwidth 5MHz) QPSK	15.76	ERP	0.038
LTE-Band 26 (Bandwidth 5MHz) 16QAM	15.89	ERP	0.039
LTE-Band 26 (Bandwidth 5MHz) 64QAM	15.79	ERP	0.038
LTE-Band 26 (Bandwidth 10MHz) QPSK	22.54	ERP	0.179
LTE-Band 26 (Bandwidth 10MHz) 16QAM	22.53	ERP	0.179
LTE-Band 26 (Bandwidth 10MHz) 64QAM	22.45	ERP	0.176

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1.2. 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

KDB941225 of the Output power Procedure of (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.

RSS Gen Issue 4 Nov. 2015

RSS-130-issue 1 Oct. 2013, RSS-132 Issue 3 Jan. 2013,

RSS-133 Issue 6 Jan. 2013, RSS-139 Issue 3 Jul. 2015,

RSS-195 Issue 2 Apr. 2014. RSS-199 Issue 3 Dec. 2016

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

1.3. 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

1.4. Special Accessories

No special accessories were used during testing.

1.5. 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, 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, 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.

Note:

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

Following shows an offset computation example with cable loss 10.4dB for low band and 10.6dB or high band with 10 dB attenuator and 3.2 splitter.

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Low Band: Offset = RF cable loss (dB)+ attenuation factor(dB) =0.5+10=23.6(dB)

High Band: Offset = RF cable loss (dB)+ attenuation factor(dB) =0.6+10=23.8(dB)

2.5. Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
GSM 850	3.85 Vdc	0.951
EDGE 850	3.85 Vdc	0.942
GSM 1900	3.85 Vdc	0.934
EDGE 1900	3.85 Vdc	0.93
WCDMA B2	3.85 Vdc	0.786
HSDPA B4	3.85 Vdc	0.764
WCDMA B5	3.85 Vdc	0.801
LTE Band 2	3.85 Vdc	645
LTE Band 4/66	3.85 Vdc	645
LTE Band 5	3.85 Vdc	427
LTE Band 7	3.85 Vdc	707
LTE Band 12	3.85 Vdc	448
LTE Band 17	3.85 Vdc	478
LTE Band 25	3.85 Vdc	647
LTE Band 26	3.85 Vdc	478
LTE Band 26 (Part 90S)	3.85 Vdc	484
LTE Band 30	3.85 Vdc	1001
LTE Band 38	3.85 Vdc	497
LTE Band 41	3.85 Vdc	515

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2.6. Configuration of Tested System

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

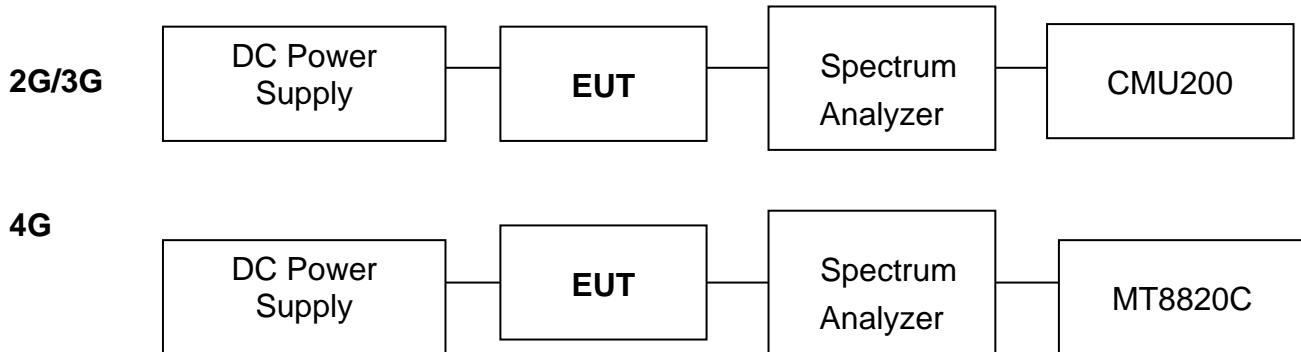


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)

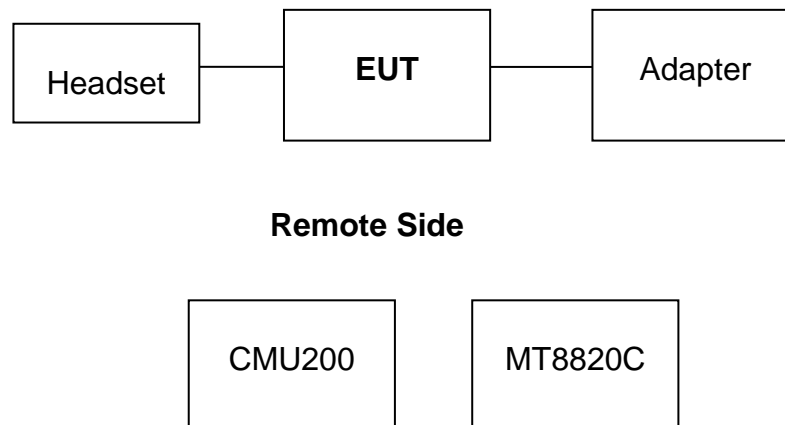


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	102189	shielded	Un-shielded
2.	Universal Radio Communication Tester	Anritsu	MT8820C	6200307563	shielded	Un-shielded

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3. SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§2.1046(a)	N/A	RF Power Output	Compliant
§2.1046(a) §22.913(a)(5) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635	§4.8 (RSS-Gen Issue 4) §4.4 (RSS-130) §5.4 (RSS-132) §6.4 (RSS-133) §6.5 (RSS-139) §5.5 (RSS-195) §4.4 (RSS-199)	ERP/ EIRP measurement	Compliant
§2.1049(h)	§4.6.1 (RSS-Gen Issue 4) §4.6 (RSS-130) §2.3 (RSS-133) §2.3 (RSS-139) §4.2 (RSS-199)	99% & 26dB Occupied 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	§4.9 (RSS-Gen Issue 4) §4.6 (RSS-130) §5.5 (RSS-132) §6.5 (RSS-133) §6.5 (RSS-139) §5.6.2 (RSS-195) §4.5 (RSS-199)	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)	§4.9 (RSS-Gen Issue 4) §4.6 (RSS-130) §5.5 (RSS-132) §6.5 (RSS-133) §6.6 (RSS-139) §5.6.2 (RSS-195) §4.5 (RSS-199)	Field Strength of Spurious Radiation	Compliant

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§24.232(d) §27.53(d) (5) §27.50(i) (B)	§4.4 (RSS-130) §5.4 (RSS-132) §6.4 (RSS-133) §6.5 (RSS-139) §5.5.1 (RSS-195)	Peak to Average Ratio	Compliant
§27.53(f)	§4.6 (RSS-130)	Spurious emission in 1559 -1610MHz Band	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54 §90.213	§4.7 (RSS-Gen Issue 4) §4.3 (RSS-130) §5.3 (RSS-132) §6.3 (RSS-133) §6.4 (RSS-139) §5.4 (RSS-195) §4.3 (RSS-199)	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
GSM/GPRS/EDGE 850	E2-plan	E2-plan
GSM/GPRS/EDGE 1900	E2-plan	E2-plan
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 4/66	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 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 Bnad 30	E2-plan	E2-plan
LTE Bnad 38	E2-plan	E2-plan
LTE Band 41	E2-plan	E2-plan

Note: LTE Band (1710~1780MHz) overlaps the frequency range of LTE Band 4 (1710~1755MHz). Therefore, test data provided in this report covers Band 4 as well as Band 66.

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GSM/GPRS/EDGE MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
ERP	128 to 251	128, 190, 251	GSM/GPRS/EDGE 850
EIRP	512 to 810	512, 661, 810	GSM/GPRS/EDGE 1900
FREQUENCY STABILITY	128 to 251 512 to 810	190 661	GPRS 850 GPRS 1900
OCCUPIED BANDWIDTH	128 to 251 512 to 810	190 661	GSM/GPRS/EDGE 850 GSM/GPRS/EDGE 1900
PEAK TO AVERAGE RATIO	128 to 251 512 to 810	128, 190, 251 512, 661, 810	GSM/GPRS/EDGE 850 GSM/GPRS/EDGE 1900
BAND EDGE	128 to 251 512 to 810	128, 251 512, 810	GSM/GPRS/EDGE 850 GSM/GPRS/EDGE 1900
CONDCUDED EMISSION	128 to 251 512 to 810	128, 190, 251 512, 661, 810	GSM/GPRS/EDGE 850 GSM/GPRS/EDGE 1900
RADIATED EMISSION	128 to 251 512 to 810	128, 190, 251 512, 661, 810	GPRS 850 GSM 1900

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	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
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
CONDCUDED 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 HSUPA 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, 64QAM	1 RB/ 0,5 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM, 64QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM, 64QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM, 64QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM, 64QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM, 64QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	64QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	64QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	64QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	64QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	64QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	64QAM	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
CONDCUDED 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	QPSK	1 RB, 0 RB Offest

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LTE Band 4/66 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,5 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20000 to 20350	20175	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM, 64QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM, 64QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	19957 to 19393	19957, 20175, 19393	1.4MHz	64QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	64QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	64QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	64QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	64QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	64QAM	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
CONDCUDED 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	20050 to 20300	20050, 20175, 20300	20MHz	64QAM	1 RB, 99 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, 64QAM	1 RB/ 0,5 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	20450 to 20600	20525	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM, 64QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM, 64QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM, 64QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	20470 to 20643	20470, 20525, 20643	1.4MHz	64QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	64QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	64QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	64QAM	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
CONDCUDED 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	20450 to 20600	20450, 20525, 20600	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, 64QAM	1 RB/ 0,24 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20800 to 21400	21100	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM, 64QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	20775 to 21425	20775, 21100, 21425	5MHz	64QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	64QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	64QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	64QAM	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
CONDCUDED 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	20850 to 21350	20850, 21100, 21350	10MHz	QPSK	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	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,5 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM, 64QAM	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, 64QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM, 64QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM, 64QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	23017 to 23173	23017, 23095, 23173	1.4MHz	64QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	64QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	64QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	64QAM	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
CONDCUDED EMISSION	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	23035 to 23155	23035, 23095, 23155	1.4MHz	16QAM	1 RB, 5 RB Offest

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LTE Band 17 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM, 64QAM	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, 64QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	23755 to 23825	23755, 23790, 23825	5MHz	64QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	64QAM	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
CONDCUDED 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 CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	27047 to 26683	27047, 26365, 26683	1.4MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,5 RB Offset
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offset
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offset
	26096 to 26640	26096, 26365, 26640	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offset
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offset
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,99 RB Offset
FREQUENCY STABILITY	26096 to 26640	26365	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	27047 to 26683	27047, 26365, 26683	1.4MHz	QPSK, 16QAM, 64QAM	Full RB
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM, 64QAM	Full RB
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM, 64QAM	Full RB
	26096 to 26640	26096, 26365, 26640	10MHz	QPSK, 16QAM, 64QAM	Full RB
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM, 64QAM	Full RB
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	27047 to 26683	27047, 26365, 26683	1.4MHz	64QAM	Full RB
	26055 to 26675	26055, 26365, 26675	3MHz	64QAM	Full RB
	26065 to 26665	26065, 26365, 26665	5MHz	64QAM	Full RB
	26096 to 26640	26096, 26365, 26640	10MHz	64QAM	Full RB
	26115 to 26615	26115, 26365, 26615	15MHz	64QAM	Full RB
	26140 to 26590	26140, 26365, 26590	20MHz	64QAM	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
CONDCUDED 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	27047 to 26683	27047, 26365, 26683	1.4MHz	16QAM,	1 RB/ 5 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, 64QAM	1 RB/ 0,5 RB Offest
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offest
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offest
FREQUENCY STABILITY	26865 to 26965	26915	15MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM, 64QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM, 64QAM	Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM, 64QAM	Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM, 64QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	26797 to 27033	26797, 26915, 27033	1.4MHz	64QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	64QAM	Full RB
	26815 to 27015	26815, 26915, 27015	5MHz	64QAM	Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	64QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	64QAM	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
CONDCUETED 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	26805 to 27025	26805, 26915, 27025	3MHz	QPSK,	1 RB, 14 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, 64QAM	1 RB/ 0,5 RB Offest
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,14 RB Offest
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	26740	26740	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	26697 to 26783	26740	1.4MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM, 64QAM	Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM, 64QAM	Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM, 64QAM	Full RB
	26740	26740	10MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	26697 to 26783	26697, 26740, 26783	1.4MHz	64QAM	Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	64QAM	Full RB
	26715 to 26765	26715, 26740, 26765	5MHz	64QAM	Full RB
	26740	26740	10MHz	64QAM	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
CONDCUDED 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	26740	26740	10MHz	QPSK,	1 RB, 49 RB Offest

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LTE Band 30 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	27710	27710	10MHz	QPSK, 16QAM, 64QAM	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, 64QAM	Full RB
	27710	27710	10MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	27685 to 27735	27685, 27710, 27735	5MHz	64QAM	Full RB
	27710	27710	10MHz	64QAM	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
CONDCUDED 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	5MHz	64QAM	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, 64QAM	1 RB/ 0,24 RB Offest
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,99 RB Offest
FREQUENCY STA-BILITY	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	Full RB
OCCUPIED BAND-WIDTH	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM, 64QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM, 64QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	37775 to 38225	37775, 38000, 38225	5MHz	64QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	64QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	64QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	64QAM	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
CONDCUDED 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, 0 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	20MHz	QPSK,	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	40165 to 41215	40165, 40690, 41215	5MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,24 RB Offest
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,49 RB Offest
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,74 RB Offest
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK, 16QAM, 64QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	40240 to 41140	40340 , 40690, 41140	20MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	40165 to 41215	40165, 40690, 41215	5MHz	QPSK, 16QAM, 64QAM	Full RB
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK, 16QAM, 64QAM	Full RB
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK, 16QAM, 64QAM	Full RB
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK, 16QAM, 64QAM	Full RB
PEAK TO AVERAGE RATIO	40165 to 41215	40165, 40690, 41215	5MHz	64QAM	Full RB
	40190 to 41190	40190 , 40690, 41190	10MHz	64QAM	Full RB
	40215 to 41165	40215 , 40690, 41165	15MHz	64QAM	Full RB
	40240 to 41140	40240 , 40690, 41140	20MHz	64QAM	Full RB
BAND EDGE	40165 to 41215	40165, 40690, 41215	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	40165 to 41215	40165, 40690, 41215	5MHz	QPSK,	1 RB, 0 RB Offest
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK,	1 RB, 0 RB Offest
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK,	1 RB, 0 RB Offest
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK,	1 RB, 0 RB Offest
EMISSION MASK	40165 to 41215	40165, 40690, 41215	5MHz	QPSK,	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK,	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK,	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK,	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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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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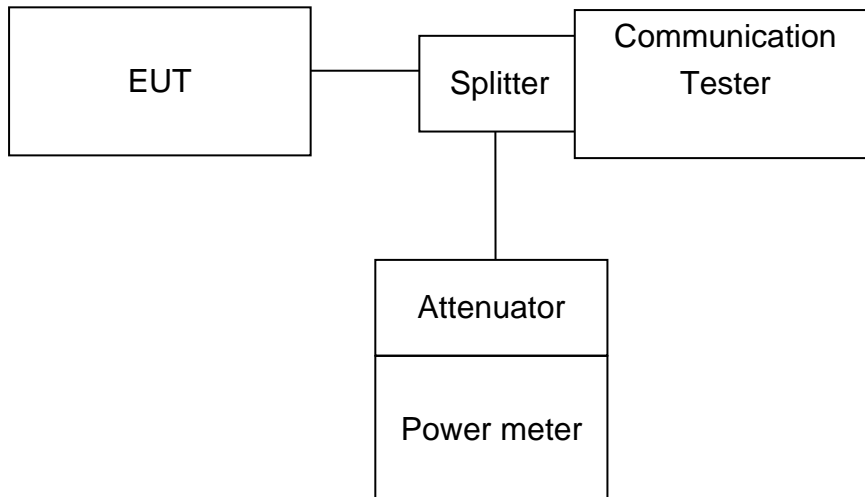
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6. RF CONDUCTED OUTPUT POWER MEASUREMENT

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.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

6.5. Measurement Result

RF Conducted Output Power

GSM/GPRS/EDGE (GMSK; 8-PSK)

Result:

EUT Mode	Freq. (MHz)	CH	Avg. Power (dBm)
GSM 850	824.2	128	32.75
	836.6	190	32.67
	848.8	251	32.78
GSM 1900	1850.2	512	30.07
	1880.0	661	30.04
	1909.8	810	29.98

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EUT Mode	Frequency (MHz)	CH	Average Burst Power (1DN 1UP) Class 8 (dBm)	Average Burst Power (1DN 2UP) Class 10 (dBm)	Average Burst Power (1DN 3UP) Class 12 (dBm)	Average Burst Power (1DN 4UP) Class 12 (dBm)
GPRS 850	824.2	128	32.72	30.25	28.93	27.48
	836.6	190	32.67	30.23	28.85	27.51
	848.8	251	32.5	29.99	28.63	27.33
GPRS 1900	1850.2	512	30.06	26.69	25.42	24.05
	1880.0	661	30.05	26.67	25.35	24.01
	1909.8	810	30	26.59	25.28	23.86
EDGE 850	824.2	128	25.96	23.78	22.6	21.48
	836.6	190	25.95	23.8	22.59	21.47
	848.8	251	25.67	23.57	22.33	21.24
EDGE 1900	1850.2	512	25.88	22.71	21.41	20.18
	1880.0	661	25.83	22.61	21.39	20.17
	1909.8	810	25.81	22.49	21.33	20.15

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:

Mode	Avg. Power (dBm) Band II Channel			Avg. Power (dBm) Band IV Channel			Avg. Power (dBm) Band V Channel		
	9262	9400	9538	1312	1413	1513	4132	4183	4233
WCDMA	24.45	24.43	24.45	24.10	24.28	24.29	23.81	23.82	23.93
HSDPA	23.54	23.49	23.54	23.34	23.41	23.39	23.65	23.56	23.59
HSUPA	23.34	23.37	23.41	23.17	23.12	23.11	23.34	23.23	23.32

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LTE Result:

LTE Band 2

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18607	Channel (Mid) 18900	Channel (High) 19193	Channel (Low) 18607	Channel (Mid) 18900	Channel (High) 19193
1.4	1	0	22.70	22.76	22.93	21.93	21.91	21.98
	1	5	22.77	22.76	22.82	21.85	21.75	21.94
	3	2	22.86	22.84	22.95	21.83	21.76	21.97
	6	0	21.78	21.77	21.88	20.70	20.73	20.87

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18615	Channel (Mid) 18900	Channel (High) 19185	Channel (Low) 18615	Channel (Mid) 18900	Channel (High) 19185
3	1	0	22.54	22.69	22.75	21.70	21.82	21.96
	1	14	22.55	22.65	22.76	21.98	21.99	21.97
	8	4	21.53	21.67	21.82	20.67	20.81	20.84
	15	0	21.50	21.76	21.69	20.62	20.62	20.84

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18625	Channel (Mid) 18900	Channel (High) 19175	Channel (Low) 18625	Channel (Mid) 18900	Channel (High) 19175
5	1	0	20.59	22.73	22.83	21.97	21.89	21.93
	1	24	22.61	22.72	22.86	21.92	21.95	21.91
	12	6	21.59	21.78	21.87	20.74	20.80	20.99
	25	0	21.67	21.74	21.82	20.61	20.76	20.95

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18650	Channel (Mid) 18900	Channel (High) 19150	Channel (Low) 18650	Channel (Mid) 18900	Channel (High) 19150
10	1	0	22.69	22.96	22.89	21.98	21.98	21.94
	1	49	22.92	22.92	22.84	21.79	21.80	21.97
	25	12	21.61	21.77	21.90	20.67	20.82	20.98
	50	0	21.59	21.79	21.88	20.56	20.71	20.92

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18675	Channel (Mid) 18900	Channel (High) 19125	Channel (Low) 18675	Channel (Mid) 18900	Channel (High) 19125
15	1	0	22.71	22.92	22.79	21.91	21.94	21.98
	1	74	22.66	22.79	22.97	21.91	21.92	22.00
	36	19	21.69	21.87	22.00	20.79	20.78	21.00
	75	0	21.66	21.88	21.91	20.60	20.84	20.69

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18700	Channel (Mid) 18900	Channel (High) 19100	Channel (Low) 18700	Channel (Mid) 18900	Channel (High) 19100
20	1	0	22.96	22.89	22.99	21.98	21.90	21.93
	1	99	22.94	22.88	22.91	21.92	21.93	21.97
	50	25	21.89	21.83	21.99	20.86	20.90	20.97
	100	0	21.84	21.85	21.92	20.94	20.90	20.94

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LTE Band 2

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			18607	18900	19193
1.4	1	0	21.90	21.89	21.95
	1	5	21.83	21.72	21.93
	3	2	21.80	21.75	21.95
	6	0	20.69	20.71	20.84
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			18615	18900	19185
3	1	0	21.67	21.80	21.93
	1	14	21.96	21.96	21.96
	8	4	20.64	20.80	20.82
	15	0	20.61	20.60	20.81
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			18625	18900	19175
5	1	0	21.94	21.87	21.90
	1	24	21.90	21.92	21.90
	12	6	20.71	20.79	20.97
	25	0	20.60	20.74	20.92

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			18650	18900	19150
10	1	0	21.91	21.88	21.91
	1	49	21.77	21.77	21.96
	25	12	20.64	20.81	20.96
	50	0	20.55	20.69	20.89
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			18675	18900	19125
15	1	0	21.98	21.91	21.94
	1	74	21.94	21.90	21.92
	36	19	20.74	20.78	20.82
	75	0	20.69	20.60	20.84
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			18700	18900	19100
20	1	0	21.93	21.98	21.90
	1	99	21.97	21.92	21.93
	50	25	20.97	20.86	20.90
	100	0	20.94	20.78	20.90

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LTE Band 4

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			19957	20175	20393	19957	20175	20393
1.4	1	0	23.11	23.22	23.33	21.97	22.64	22.59
	1	5	23.07	23.22	23.29	22.31	22.34	22.31
	3	2	23.12	23.22	23.41	22.24	22.28	22.37
	6	0	22.06	22.24	22.38	21.15	21.23	21.61

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			19965	20175	20385	19965	20175	20385
3	1	0	23.16	23.26	23.32	22.65	22.42	22.44
	1	14	23.19	23.19	23.29	22.58	22.66	22.66
	8	4	22.20	22.25	22.45	21.21	21.35	21.46
	15	0	22.16	22.26	22.42	21.19	21.45	21.38

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			19975	20175	20375	19975	20175	20375
5	1	0	23.18	23.29	23.43	22.32	22.90	22.55
	1	24	23.13	23.21	23.54	22.10	22.50	22.64
	12	6	22.21	22.34	22.53	21.27	21.32	21.53
	25	0	22.17	22.23	22.51	21.18	21.34	21.50

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20000	20175	20350	20000	20175	20350
10	1	0	23.30	23.34	23.44	22.60	22.37	22.96
	1	49	23.20	23.22	23.49	22.22	22.37	22.61
	25	12	22.24	22.29	22.53	21.25	21.35	21.57
	50	0	22.20	22.34	22.50	21.24	21.32	21.52

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20025	20175	20325	20025	20175	20325
15	1	0	23.30	23.47	23.50	22.54	22.60	22.80
	1	74	23.18	23.34	23.38	22.44	22.73	22.74
	36	19	22.26	22.30	22.43	21.27	21.35	21.43
	75	0	22.20	22.37	22.45	21.23	21.37	21.46

LTE Band 4 Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20050	20175	20300	20050	20175	20300
20	1	0	23.35	23.53	23.55	22.59	22.52	22.58
	1	99	23.21	23.29	23.44	22.75	22.70	22.81
	50	25	22.23	22.38	22.52	21.25	21.42	21.59
	100	0	22.23	22.34	22.49	21.17	21.35	21.48

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LTE Band 4

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19957	CH (Mid) 20175	CH (High) 20393
1.4	1	0	21.94	22.62	22.56
	1	5	22.29	22.31	22.30
	3	2	22.21	22.27	22.35
	6	0	21.14	21.21	21.58
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19965	CH (Mid) 20175	CH (High) 20385
3	1	0	22.62	22.40	22.41
	1	14	22.56	22.63	22.65
	8	4	21.18	21.34	21.44
	15	0	21.18	21.43	21.35
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19975	CH (Mid) 20175	CH (High) 20375
5	1	0	22.29	22.88	22.52
	1	24	22.08	22.47	22.63
	12	6	21.24	21.31	21.51
	25	0	21.17	21.32	21.47

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LTE Band 4_Uplink frequency band : 1710 to 1755 MHz

BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20000	CH (Mid) 20175	CH (High) 20350
10	1	0	22.57	22.35	22.93
	1	49	22.20	22.34	22.60
	25	12	21.22	21.34	21.55
	50	0	21.23	21.30	21.49

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz

BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20025	CH (Mid) 20175	CH (High) 20325
15	1	0	22.54	22.60	22.80
	1	74	22.44	22.73	22.74
	36	19	21.27	21.35	21.43
	75	0	21.23	21.37	21.46

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz

BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20050	CH (Mid) 20175	CH (High) 20300
20	1	0	22.56	22.50	22.55
	1	99	22.73	22.67	22.80
	50	25	21.22	21.41	21.57
	100	0	21.16	21.33	21.45

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LTE Band 5

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20407	20525	20643	20407	20525	20643
1.4	1	0	22.42	22.61	22.80	21.51	21.54	21.96
	1	5	22.49	22.68	22.70	21.45	21.84	21.97
	3	2	22.52	22.65	22.87	21.62	21.64	21.91
	6	0	21.41	21.65	21.77	20.51	20.64	20.91

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20415	20525	20635	20415	20525	20635
3	1	0	22.59	22.86	22.62	21.97	21.96	21.73
	1	14	22.83	22.72	21.53	21.96	21.98	20.66
	8	4	21.65	21.91	21.61	20.71	20.91	20.69
	15	0	21.71	21.84	21.69	20.77	20.87	21.65

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20425	20525	20625	20425	20525	20625
5	1	0	22.54	22.73	22.78	21.49	21.91	21.94
	1	24	22.60	22.88	22.73	21.52	21.93	21.73
	12	6	21.70	21.65	21.90	20.65	20.72	20.93
	25	0	21.66	21.70	21.91	20.75	20.65	20.95

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20450	20525	20600	20450	20525	20600
10	1	0	22.48	22.58	22.99	21.80	21.85	21.92
	1	49	22.76	22.69	22.86	21.58	21.98	21.96
	25	12	21.67	21.75	21.93	20.65	20.65	20.94
	50	0	21.59	21.68	21.87	20.63	20.75	20.99

LTE Band 5

LTE Band 5_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			20407	20525	20643
1.4	1	0	21.47	21.53	21.94
	1	5	21.44	21.82	21.93
	3	2	21.60	21.60	21.87
	6	0	20.47	20.60	20.87

LTE Band 5_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			20415	20525	20635
3	1	0	21.96	21.94	21.69
	1	14	21.94	21.94	20.62
	8	4	20.67	20.87	20.65
	15	0	20.73	20.83	20.91

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LTE Band 5_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
5	1	0	20425	20525	20625
	1	24	21.45	21.90	21.92
	12	6	21.51	21.91	21.69
	25	0	20.63	20.68	20.89
20.71	20.61	20.91			
LTE Band 5_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)

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LTE Band 7

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
5	1	0	22.71	22.68	22.60	21.87	21.63	21.35
	1	24	22.75	22.82	22.53	21.57	21.60	21.37
	12	6	21.78	21.94	21.57	20.75	20.84	20.60
	25	0	21.78	21.82	21.57	20.76	20.91	20.60

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
10	1	0	22.57	22.60	22.49	21.91	21.96	21.60
	1	49	22.65	22.57	22.37	21.65	21.50	21.23
	25	12	21.62	21.72	21.37	20.70	20.66	20.38
	50	0	21.59	21.67	21.38	20.63	20.58	20.40

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
15	1	0	22.82	22.83	22.73	21.63	21.92	21.53
	1	74	22.91	22.86	22.57	21.68	21.44	21.46
	36	19	21.99	21.94	21.70	20.95	20.92	20.67
	75	0	21.88	21.95	21.69	20.97	21.00	20.75

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
20	1	0	22.87	22.96	22.88	21.59	21.75	21.51
	1	99	22.95	22.89	22.54	21.98	21.35	21.57
	50	25	21.42	21.47	21.20	20.96	20.91	20.75
	100	0	21.40	21.41	21.14	20.96	20.94	20.73

LTE Band 7

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
5	1	0	21.83	21.62	21.33
	1	24	21.56	21.58	21.32
	12	6	20.73	20.80	20.56
	25	0	20.72	20.87	20.56

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
10	1	0	21.87	21.95	21.58
	1	49	21.64	21.48	21.18
	25	12	20.68	20.62	20.34
	50	0	20.59	20.54	20.36

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LTE Band 7_Uplink frequency band : 2500 to 2570 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20825	CH (Mid) 21100	CH (High) 21375
15	1	0	21.59	21.91	21.51
	1	74	21.67	21.42	21.41
	36	19	20.93	20.88	20.63
	75	0	20.93	20.96	20.71

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20850	CH (Mid) 21100	CH (High) 21350
20	1	0	21.55	21.74	21.49
	1	99	21.97	21.33	21.52
	50	25	20.94	20.87	20.71
	100	0	20.92	20.90	20.69

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LTE Band 12

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23017	23095	23173	23017	23095	23173
1.4	1	0	22.60	22.68	22.66	21.94	21.87	21.63
	1	5	22.57	22.77	22.67	21.96	21.92	21.95
	3	2	22.66	22.82	22.84	21.66	21.87	21.87
	6	0	21.68	21.78	21.76	20.66	20.84	20.76

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23025	23095	23165	23025	23095	23165
3	1	0	22.49	22.68	22.77	21.59	21.98	21.62
	1	14	22.61	22.68	22.70	21.83	21.98	21.90
	8	4	21.70	21.81	21.77	20.67	20.86	20.85
	15	0	21.65	21.70	21.68	20.61	20.82	20.75

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23035	23095	23155	23035	23095	23155
5	1	0	22.69	22.74	22.69	21.78	21.87	21.75
	1	24	22.71	22.79	22.88	21.98	21.93	22.00
	12	6	21.76	21.86	21.87	20.84	20.90	20.86
	25	0	21.74	21.83	21.87	20.73	20.91	20.88

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			23060	23095	23130	23060	23095	23130
10	1	0	22.55	22.65	22.98	21.99	21.83	21.93
	1	49	22.93	22.84	22.95	21.90	21.87	21.91
	25	12	21.88	21.92	21.87	20.78	20.90	20.87
	50	0	21.84	21.81	21.77	20.80	20.97	20.78

LTE Band 12

LTE Band 12_Uplink frequency band : 699 to 716 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			20407	20525	20643
1.4	1	0	21.90	21.85	21.59
	1	5	21.93	21.88	21.90
	3	2	21.64	21.83	21.83
	6	0	20.62	20.80	20.72
LTE Band 12_Uplink frequency band : 699 to 716 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			20415	20525	20635
3	1	0	21.55	21.96	21.58
	1	14	21.80	21.94	21.85
	8	4	20.65	20.82	20.81
	15	0	20.57	20.78	20.71

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LTE Band 12_Uplink frequency band : 699 to 716 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20425	CH (Mid) 20525	CH (High) 20625
5	1	0	21.74	21.85	21.71
	1	24	21.95	21.89	21.95
	12	6	20.82	20.86	20.82
	25	0	20.69	20.87	20.84

LTE Band 12_Uplink frequency band : 699 to 716 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20450	CH (Mid) 20525	CH (High) 20600
10	1	0	21.95	21.81	21.89
	1	49	21.87	21.83	21.86
	25	12	20.76	20.86	20.83
	50	0	20.76	20.93	20.74

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LTE Band 17

LTE Band 17_Uplink frequency band : 704 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 23755	Channel (Mid) 23790	Channel (High) 23825	Channel (Low) 23755	Channel (Mid) 23790	Channel (High) 23825
5	1	0	22.50	22.63	22.52	21.92	21.76	21.63
	1	24	22.43	22.64	22.93	21.91	21.95	21.77
	12	6	21.66	21.64	21.77	20.60	20.69	20.75
	25	0	21.66	21.62	21.76	20.62	20.68	20.75

LTE Band 17_Uplink frequency band : 704 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 23780	Channel (Mid) 23790	Channel (High) 23800	Channel (Low) 23780	Channel (Mid) 23790	Channel (High) 23800
10	1	0	22.74	22.89	22.98	21.76	21.89	21.76
	1	49	22.97	22.90	22.78	21.95	21.92	21.93
	25	12	21.82	21.93	21.78	20.83	20.91	20.86
	50	0	21.86	21.80	21.75	20.83	20.99	20.84

LTE Band 17

LTE Band 17_Uplink frequency band : 704 to 716 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20775	CH (Mid) 21100	CH (High) 21425
5	1	0	21.88	21.74	21.59
	1	24	21.88	21.91	21.72
	12	6	20.58	20.65	20.71
	25	0	20.58	20.64	20.71
LTE Band 17_Uplink frequency band : 704 to 716 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20800	CH (Mid) 21100	CH (High) 21400
10	1	0	21.72	21.87	21.72
	1	49	21.92	21.88	21.88
	25	12	20.81	20.87	20.82
	50	0	20.79	20.95	20.80

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LTE Band 25

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18607	Channel (Mid) 18900	Channel (High) 19193	Channel (Low) 18607	Channel (Mid) 18900	Channel (High) 19193
1.4	1	0	22.69	22.80	22.81	20.91	20.71	21.17
	1	5	22.62	22.75	22.76	20.69	20.94	21.30
	3	2	21.73	21.86	21.92	20.86	20.95	20.91
	6	0	20.59	20.82	20.97	20.82	20.93	20.94

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel l (Low) 18615	Channel l (Mid) 18900	Channel l (High) 19185	Channel l (Low) 18615	Channel l (Mid) 18900	Channel l (High) 19185
3	1	0	22.47	22.45	22.75	21.39	21.46	21.95
	1	14	22.41	22.32	22.65	21.85	21.47	21.77
	8	4	21.43	21.36	21.75	20.58	20.50	20.77
	15	0	21.36	21.33	21.68	20.46	20.40	20.54

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18625	Channel (Mid) 18900	Channel (High) 19175	Channel (Low) 18625	Channel (Mid) 18900	Channel (High) 19175
5	1	0	22.47	22.29	22.71	21.69	21.86	21.63
	1	24	22.45	22.35	22.60	21.50	21.25	21.94
	12	6	21.44	21.41	21.76	20.46	20.46	20.75
	25	0	21.51	21.35	21.78	20.50	20.38	20.79

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel l (Low) 18650	Channel l (Mid) 18900	Channel l (High) 19150	Channel l (Low) 18650	Channel l (Mid) 18900	Channel l (High) 19150
10	1	0	22.78	22.69	22.79	21.84	21.89	21.94
	1	49	22.62	22.59	22.72	21.97	21.76	21.97
	25	12	21.44	21.46	21.73	20.54	20.53	20.87
	50	0	21.46	21.47	21.85	20.47	20.47	20.85

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 18675	Channel (Mid) 18900	Channel (High) 19125	Channel (Low) 18675	Channel (Mid) 18900	Channel (High) 19125
15	1	0	22.58	22.50	22.86	21.93	21.74	21.91
	1	74	22.47	22.43	22.71	21.67	21.94	21.87
	36	19	21.56	21.46	21.76	20.60	20.54	20.85
	75	0	21.52	21.44	21.86	20.68	20.49	20.80

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel l (Low) 18700	Channel l (Mid) 18900	Channel l (High) 19100	Channel l (Low) 18700	Channel l (Mid) 18900	Channel l (High) 19100
20	1	0	22.78	22.64	22.99	21.92	21.62	21.92
	1	99	22.52	22.51	22.75	21.79	22.00	21.98
	50	25	21.48	21.47	21.83	20.55	20.47	20.79
	100	0	21.53	21.49	21.90	20.56	20.50	20.92

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LTE Band 25

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19957	CH (Mid) 20175	CH (High) 20393
1.4	1	0	20.87	20.69	21.14
	1	5	20.68	20.93	21.25
	3	2	20.83	20.94	20.87
	6	0	20.78	20.89	20.90
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19965	CH (Mid) 20175	CH (High) 20385
3	1	0	21.35	21.44	21.92
	1	14	21.84	21.46	21.72
	8	4	20.55	20.49	20.73
	15	0	20.42	20.36	20.50
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19975	CH (Mid) 20175	CH (High) 20375
5	1	0	21.65	21.84	21.60
	1	24	21.49	21.24	21.89
	12	6	20.43	20.45	20.71
	25	0	20.46	20.34	20.75

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LTE Band 25_Uplink frequency band : 1850 to 1915 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20000	CH (Mid) 20175	CH (High) 20350
10	1	0	21.80	21.87	21.91
	1	49	21.96	21.75	21.92
	25	12	20.51	20.52	20.83
	50	0	20.43	20.43	20.81
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20025	CH (Mid) 20175	CH (High) 20325
15	1	0	21.89	21.72	21.88
	1	74	21.66	21.93	21.82
	36	19	20.57	20.53	20.81
	75	0	20.64	20.45	20.76
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20050	CH (Mid) 20175	CH (High) 20300
20	1	0	21.88	21.60	21.89
	1	99	21.78	21.99	21.93
	50	25	20.52	20.46	20.75
	100	0	20.52	20.46	20.88

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LTE Band 26

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26797	Channel (Mid) 26915	Channel (High) 27033	Channel (Low) 26797	Channel (Mid) 26915	Channel (High) 27033
1.4	1	0	22.41	22.60	22.77	20.75	21.18	21.31
	1	5	22.44	22.56	22.81	20.83	20.54	21.37
	3	2	21.52	21.61	21.84	20.52	20.75	20.96
	6	0	20.41	20.62	20.85	19.52	19.69	19.84

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel l (Low) 26805	Channel l (Mid) 26915	Channel l (High) 27025	Channel l (Low) 26805	Channel l (Mid) 26915	Channel l (High) 27025
3	1	0	22.27	22.35	22.93	21.75	21.88	21.92
	1	14	22.40	22.41	22.62	21.82	21.67	21.87
	8	4	21.34	21.50	21.81	20.38	20.57	20.87
	15	0	21.29	21.55	21.71	20.33	20.60	20.65

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015	Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015
5	1	0	22.51	22.57	22.92	21.58	21.39	21.97
	1	24	22.52	22.54	22.78	21.34	21.27	21.47
	12	6	21.49	21.81	21.85	20.57	20.79	20.89
	25	0	21.59	21.66	21.88	20.56	20.75	20.88

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel l (Low) 26840	Channel l (Mid) 26915	Channel l (High) 26990	Channel l (Low) 26840	Channel l (Mid) 26915	Channel l (High) 26990
10	1	0	22.67	22.67	22.88	21.38	21.57	21.67
	1	49	22.75	22.67	22.82	21.39	21.58	21.42
	25	12	21.74	21.69	21.98	20.60	20.65	20.93
	50	0	21.70	21.78	21.41	20.67	20.67	20.99

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low) 26865	Channel (Mid) 26915	Channel (High) 26965	Channel (Low) 26865	Channel (Mid) 26915	Channel (High) 26965
15	1	0	22.63	22.57	22.98	21.99	21.78	21.92
	1	74	22.84	22.73	22.77	21.95	21.94	21.98
	36	19	21.88	21.83	21.96	20.86	20.77	20.94
	75	0	21.81	21.77	21.86	20.79	20.76	20.90

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LTE Band 26

LTE Band 26_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
1.4	1	0	19957	20175	20393
	1	5	20.71	21.16	21.28
	3	2	20.82	20.53	21.32
	6	0	20.49	20.74	20.92
LTE Band 26_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
3	1	0	19965	20175	20385
	1	14	21.71	21.86	21.89
	8	4	21.81	21.66	21.82
	15	0	20.35	20.56	20.83
LTE Band 26_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
5	1	0	19975	20175	20375
	1	24	21.54	21.37	21.94
	12	6	21.33	21.26	21.42
	25	0	20.54	20.78	20.85
LTE Band 26_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
5	1	0	19975	20175	20375
	1	24	21.54	21.37	21.94
	12	6	21.33	21.26	21.42
	25	0	20.54	20.78	20.85

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LTE Band 26_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20000	CH (Mid) 20175	CH (High) 20350
10	1	0	21.34	21.55	21.64
	1	49	21.38	21.57	21.37
	25	12	20.57	20.64	20.89
	50	0	20.63	20.63	20.95

LTE Band 26_Uplink frequency band : 824 to 849 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 20025	CH (Mid) 20175	CH (High) 20325
15	1	0	21.95	21.76	21.89
	1	74	21.94	21.93	21.93
	36	19	20.83	20.76	20.90
	75	0	20.75	20.72	20.86

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LTE Band 26 for Part90S

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			26697	26740	26783	26697	26740	26783
1.4	1	0	23.21	23.27	23.32	22.65	22.63	22.69
	1	5	23.44	23.32	23.26	22.55	22.69	22.31
	3	2	23.4	23.37	23.41	22.46	22.34	22.32
	6	0	22.43	22.38	22.22	21.33	21.6	21.47

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			26705	26740	26775	26705	26740	26775
3	1	0	23.41	23.43	23.44	22.95	22.91	22.56
	1	14	23.39	23.4	23.24	22.66	22.8	22.36
	8	4	22.5	22.44	22.34	21.57	21.38	21.42
	15	0	22.55	22.42	22.39	21.46	21.36	21.39

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			26715	26740	26765	26715	26740	26765
5	1	0	23.54	23.33	23.38	22.96	22.58	22.84
	1	24	23.53	23.31	23.3	22.93	22.53	22.59
	12	6	22.57	22.47	22.39	21.54	21.49	21.43
	25	0	22.51	22.48	22.43	21.51	21.4	21.36

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			20525				20525	
10	1	0		23.45				22.81
	1	49		23.30				22.64
	25	12		22.43				21.45
	50	0		22.45				21.45

LTE Band 26 for Part90S

LTE Band 26_Uplink frequency band : 814 to 824 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			19957	20175	20393
1.4	1	0	21.27	21.47	21.48
	1	5	21.62	21.59	21.35
	3	2	21.55	21.56	21.39
	6	0	20.53	20.47	20.33

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LTE Band 26_Uplink frequency band : 814 to 824 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19965	CH (Mid) 20175	CH (High) 20385
3	1	0	21.44	21.73	21.68
	1	14	21.52	21.61	21.63
	8	4	20.67	20.45	20.54
	15	0	20.3	20.48	20.45

LTE Band 26_Uplink frequency band : 814 to 824 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 19975	CH (Mid) 20175	CH (High) 20375
5	1	0	21.72	21.58	21.42
	1	24	21.75	21.36	21.32
	12	6	20.55	20.59	20.56
	25	0	20.42	20.33	20.43

LTE Band 26_Uplink frequency band : 814 to 824 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
				CH (Mid) 20175	
10	1	0		21.47	
	1	49		21.36	
	25	12		20.41	
	50	0		20.39	

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LTE Band 30

LTE Band 30_Uplink frequency band : 2307.5 to 2312.5 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16 QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			27685	27710	27735	27685	27710	27735
5	1	0	22.88	22.72	22.75	21.79	21.80	21.81
	1	24	22.89	22.92	22.88	21.77	21.99	21.52
	12	6	21.89	21.98	21.93	20.92	20.92	20.89
	25	0	21.80	21.92	21.86	20.83	20.87	20.96

LTE Band 30_Uplink frequency band : 2307.5 to 2312.5 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16 QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
			27685	27710	27735	27685	27710	27735
10	1	0		22.80				21.56
	1	49		22.98				21.98
	25	12		21.88				20.86
	50	0		21.80				20.78

LTE Band30

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			19975	20175	20375
5	1	0	21.73	21.78	21.78
	1	24	21.76	21.98	21.47
	12	6	20.91	20.91	20.85
	25	0	20.81	20.83	20.92

LTE Band 30_Uplink frequency band : 2305 to 2315 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
			19975	20175	20375
10	1	0		21.50	
	1	49		21.95	
	25	12		20.82	
	50	0		20.77	

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LTE Band 38

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	22.88	23.09	23.19	22.12	22.27	22.43
	1	24	22.89	23.09	23.09	22.11	22.32	22.53
	12	6	21.92	22.15	22.40	21.06	21.22	21.42
	25	0	21.95	22.09	22.33	21.00	21.13	21.44

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	22.93	23.11	23.17	22.16	22.43	22.58
	1	49	22.90	23.15	23.29	22.16	22.26	22.50
	25	12	22.02	22.16	22.29	21.06	21.19	21.34
	50	0	22.03	22.09	22.30	21.05	21.10	21.29

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	23.03	23.19	23.22	22.28	22.43	22.56
	1	74	22.99	23.15	23.16	22.24	22.29	22.39
	36	19	22.09	22.18	22.31	21.11	21.20	21.33
	75	0	22.05	22.07	22.30	21.07	21.19	21.31

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	23.00	23.13	23.55	22.31	22.48	22.55
	1	99	22.90	23.34	23.25	22.12	22.41	22.33
	50	25	22.02	22.09	22.36	21.05	21.23	21.38
	100	0	22.06	22.17	22.36	21.14	21.16	21.33

LTE Band 38

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 37775	CH (Mid) 38000	CH (High) 38225
5	1	0	22.06	22.25	22.40
	1	24	22.10	22.31	22.48
	12	6	21.05	21.21	21.38
	25	0	20.98	21.09	21.40
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 37800	CH (Mid) 38000	CH (High) 38200
10	1	0	22.10	22.41	22.55
	1	49	22.15	22.25	22.45
	25	12	21.05	21.18	21.30
	50	0	21.03	21.06	21.25

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LTE Band 38_Uplink frequency band : 2570 to 2620 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 37825	CH (Mid) 38000	CH (High) 38175
15	1	0	22.22	22.41	22.53
	1	74	22.23	22.28	22.34
	36	19	21.10	21.19	21.29
	75	0	21.05	21.15	21.27

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 37850	CH (Mid) 38000	CH (High) 38150
20	1	0	22.25	22.46	22.52
	1	99	22.11	22.40	22.28
	50	25	21.04	21.22	21.34
	100	0	21.12	21.12	21.29

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LTE Band 41

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
5	1	0	23.84	23.61	23.72	22.91	22.95	22.74
	1	24	23.76	23.48	23.48	22.93	22.73	22.65
	12	6	22.82	22.62	22.43	21.94	21.69	21.62
	25	0	22.82	22.67	22.46	21.86	21.75	21.58

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
10	1	0	23.63	23.71	23.82	22.87	22.72	22.98
	1	49	23.40	23.19	23.54	22.65	22.54	22.79
	25	12	22.57	22.42	22.28	21.68	21.38	21.33
	50	0	22.62	22.36	22.39	21.54	21.36	21.43

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
15	1	0	23.83	23.56	23.53	22.60	22.99	22.36
	1	74	23.54	23.38	23.19	22.33	22.10	21.89
	36	19	22.63	22.45	22.41	21.62	21.51	21.34
	75	0	22.70	22.42	22.45	21.68	21.52	21.47

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power(dBm)					
			QPSK			16QAM		
			Channel (Low)	Channel (Mid)	Channel (High)	Channel (Low)	Channel (Mid)	Channel (High)
20	1	0	23.97	23.85	23.28	22.97	22.85	22.28
	1	99	23.67	23.60	22.39	22.67	22.60	21.39
	50	25	22.90	22.74	22.58	21.90	21.74	21.58
	100	0	22.88	22.68	22.68	21.88	21.68	21.68

LTE Band 41

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
5	1	0	22.85	22.92	22.70
	1	24	22.90	22.72	22.61
	12	6	21.90	21.65	21.60
	25	0	21.85	21.73	21.54

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low)	CH (Mid)	CH (High)
10	1	0	22.81	22.69	22.94
	1	49	22.62	22.53	22.75
	25	12	21.64	21.34	21.31
	50	0	21.53	21.34	21.39

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LTE Band 41_Uplink frequency band : 2496 to 2690 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 39725	CH (Mid) 40620	CH (High) 41515
15	1	0	22.54	22.96	22.32
	1	74	22.30	22.09	21.85
	36	19	21.58	21.47	21.32
	75	0	21.67	21.50	21.43
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz					
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)		
			64QAM		
			CH (Low) 39750	CH (Mid) 40620	CH (High) 41490
20	1	0	22.91	22.82	22.24
	1	99	22.64	22.59	21.35
	50	25	21.86	21.70	21.56
	100	0	21.87	21.66	21.64

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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} (Note 1, 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.

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Results:

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Result
		9262	9400	9538		
HSDPA II	1	24.42	24.44	24.41	20.3 ~ 25.7	Pass
	2	24.45	24.47	24.41	20.3 ~ 25.7	Pass
	3	24.42	24.45	24.41	19.8 ~ 25.7	Pass
	4	24.44	24.46	24.42	19.8 ~ 25.7	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Result
		1312	1413	1513		
HSDPA IV	1	24.11	24.29	24.26	20.3 ~ 25.7	Pass
	2	24.1	24.29	24.28	20.3 ~ 25.7	Pass
	3	24.06	24.27	24.25	19.8 ~ 25.7	Pass
	4	24.08	24.32	24.17	19.8 ~ 25.7	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Result
		4132	4183	4233		
HSDPA V	1	23.71	23.71	23.84	20.3 ~ 25.7	Pass
	2	23.66	23.72	23.88	20.3 ~ 25.7	Pass
	3	23.72	23.74	23.8	19.8 ~ 25.7	Pass
	4	23.66	23.74	23.86	19.8 ~ 25.7	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} (Code s)	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	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	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.

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Results:

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Result
		9262	9400	9538		
HSUPA II	1	23.49	23.5	23.42	18.8 ~ 25.7	Pass
	2	22.82	23.04	22.77	16.8 ~ 25.7	Pass
	3	23.31	23.43	23.37	17.8 ~ 25.7	Pass
	4	23.25	23.44	23.33	16.8 ~ 25.7	Pass
	5	23.3	23.4	23.38	18.8 ~ 25.7	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Result
		1312	1413	1513		
HSDPA IV	1	23.22	23.17	23.11	20.3 ~ 25.7	Pass
	2	22.58	22.72	22.71	20.3 ~ 25.7	Pass
	3	23.08	23.22	23.12	19.8 ~ 25.7	Pass
	4	23.05	23.18	23.19	19.8 ~ 25.7	Pass
	5	23.14	23.31	23.18	19.8 ~ 25.7	Pass

Mode	Sub test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Result
		4132	4183	4233		
HSUPA V	1	23.33	23.23	23.28	18.8 ~ 25.7	Pass
	2	23.03	23.01	23.03	16.8 ~ 25.7	Pass
	3	23.25	23.15	23.29	17.8 ~ 25.7	Pass
	4	23.36	23.21	23.33	16.8 ~ 25.7	Pass
	5	23.39	23.27	23.34	16.8 ~ 25.7	Pass

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Minimum Communications Power Measurement

PCS 1900 band

PCL	0	1	2	3	4	5	6	7	8
Output power (dBm)	29.93	27.66	25.43	23.45	21.35	19.31	17.93	15.96	13.88

PCL	9	10	11	12	13	14	15
Output power (dBm)	11.76	9.79	7.81	5.74	3.76	1.74	-0.27

Note: The EUT output power was controlled by simulator. Set Communication Tester [MT8820C](#) PCL as above, and get the mobile phone output power reading

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(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

According to RSS-130 §4.4

It shall not exceed 5 W for portable equipment or for indoor fixed subscriber equipment.

According to RSS-132, section 5.4.

The equivalent isotropically radiated power (e.i.r.p.) for mobile equipment shall not exceed 11.5 watts.

According to RSS-133 §6.4

The peak e.i.r.p. for transmitters operating in the band 1850-1910 MHz shall not exceed the limits 2W given in SRSP-510.

According to RSS 139 §6.4

The average equivalent isotropically radiated power (e.i.r.p.) for fixed, mobile and portable transmitters in the 1710-1755 MHz shall not exceed 1 watt.

According to RSS-199 §4.4

For mobile subscriber equipment, the e.i.r.p. shall not exceed 2 watts.

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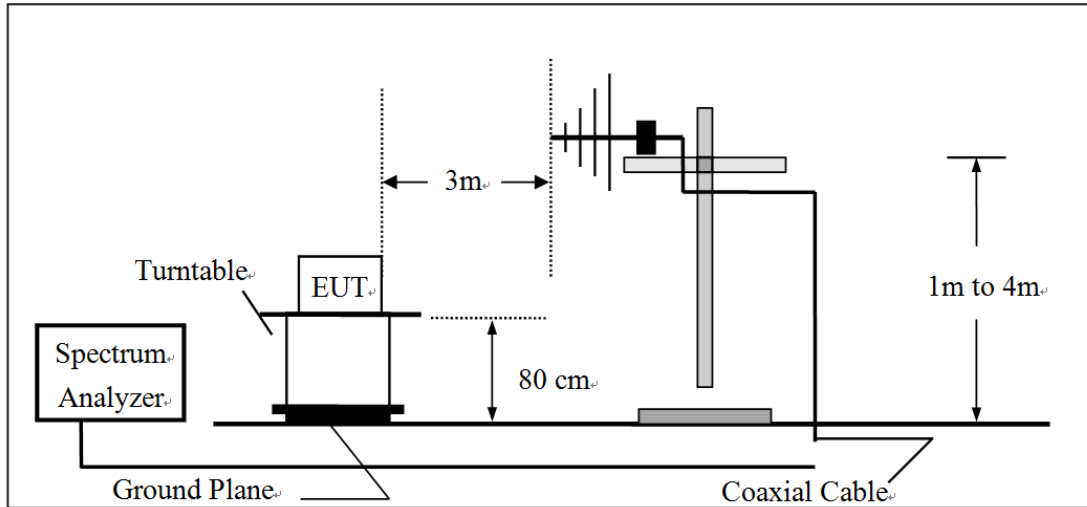
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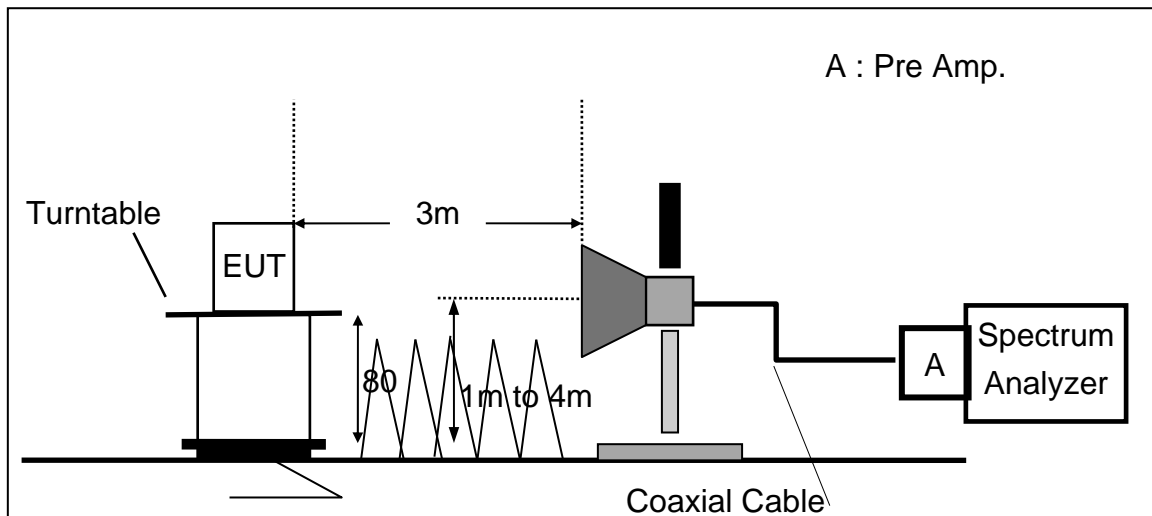
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7.2. Test SET-UP

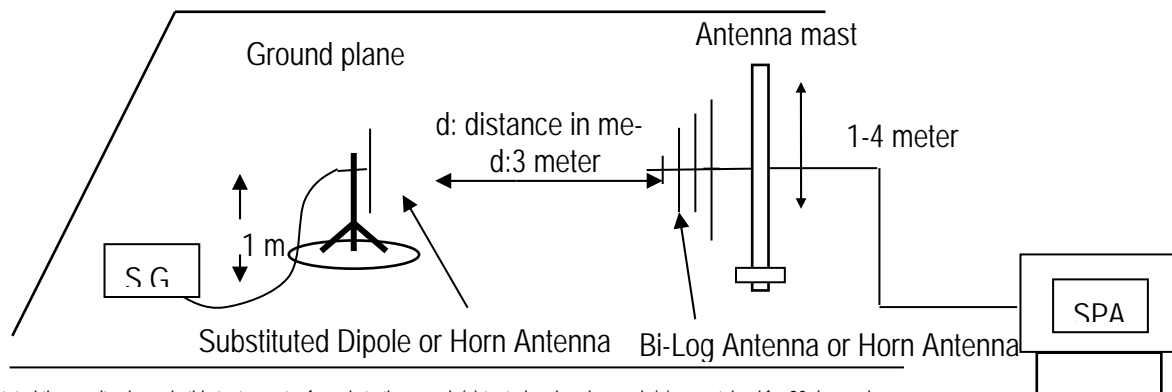
(A) Radiated Power Test Set-Up, Frequency Below 1000MHz



(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. $ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$
7. $ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$
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 $VBW \geq 3 \times RBW$.
 - (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 \approx 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 sweep time = $601 \times 10^{-3} = 6s$.)

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 $10 \times \log(TBW/RBW)$, 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.
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2016	11/02/2017
Broadband Antenna	TESEQ	CBL 6112D	35243	11/09/2016	11/08/2017
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2016	12/16/2017
Horn Antenna	ETS-Lindgren	3117	143279	11/14/2016	11/13/2017
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2016	12/10/2017
Horn Antenna	Schwarzbeck	BBHA9170	185	08/01/2017	07/31/2018
Pre Amplifier	EMC Instruments	EMC330	980096	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-18	10204	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-26	100780	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC184045B	980135	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF27	12/12/2016	12/11/2017
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

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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	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
GSM 850	824.2	128	V	18.74	5.14	-4.18	19.7	38.45
			H	25.91	5.14	-4.18	26.87	38.45
	836.6	190	V	18.01	5.1	-4.23	18.88	38.45
			H	27.38	5.1	-4.23	28.25	38.45
	848.8	251	V	16.11	5.05	-4.27	16.89	38.45
			H	27.36	5.05	-4.27	28.14	38.45
GPRS 850	824.2	128	V	15.92	5.14	-4.18	16.88	38.45
			H	26.4	5.14	-4.18	27.36	38.45
	836.6	190	V	17.65	5.1	-4.23	18.52	38.45
			H	27.27	5.1	-4.23	28.14	38.45
	848.8	251	V	15.88	5.05	-4.27	16.66	38.45
			H	27.6	5.05	-4.27	28.38	38.45
EDGE 850	824.2	128	V	12.25	5.14	-4.18	13.21	38.45
			H	22.14	5.14	-4.18	23.1	38.45
	836.6	190	V	13.35	5.1	-4.23	14.22	38.45
			H	22.95	5.1	-4.23	23.82	38.45
	848.8	251	V	11.72	5.05	-4.27	12.5	38.45
			H	23.06	5.05	-4.27	23.84	38.45

Remark: 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	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
GSM 1900	1850.2	512	V	11.31	9.57	-6.86	14.02	33.00
			H	19.31	9.57	-6.86	22.02	33.00
	1880.0	661	V	7.3	9.7	-6.91	10.09	33.00
			H	18.97	9.7	-6.91	21.76	33.00
	1909.8	810	V	11.36	9.82	-6.97	14.21	33.00
			H	19.54	9.82	-6.97	22.39	33.00
GPRS 1900	1850.2	512	V	2.62	9.57	-6.86	5.33	33.00
			H	19.15	9.57	-6.86	21.86	33.00
	1880.0	661	V	7.03	9.7	-6.91	9.82	33.00
			H	18.9	9.7	-6.91	21.69	33.00
	1909.8	810	V	10.06	9.82	-6.97	12.91	33.00
			H	19.52	9.82	-6.97	22.37	33.00
EDGE 1900	1850.2	512	V	-10.06	9.57	-6.86	-7.35	33.00
			H	7.06	9.57	-6.86	9.77	33.00
	1880.0	661	V	-5.84	9.7	-6.91	-3.05	33.00
			H	5.59	9.7	-6.91	8.38	33.00
	1909.8	810	V	-3.56	9.82	-6.97	-0.71	33.00
			H	5.82	9.82	-6.97	8.67	33.00

Remark: 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 II	1852.4	9262	V	18.6	9.58	-6.86	21.32	33.00
			H	18.38	9.58	-6.86	21.1	33.00
	1880.0	9400	V	15.85	9.7	-6.91	18.64	33.00
			H	16.36	9.7	-6.91	19.15	33.00
	1907.6	9538	V	13.78	9.81	-6.92	16.67	33.00
			H	15.46	9.81	-6.92	18.35	33.00
HSDPA Band II	1852.4	9262	V	13.18	9.58	-6.86	15.9	33.00
			H	16.58	9.58	-6.86	19.3	33.00
	1880.0	9400	V	12.41	9.7	-6.91	15.2	33.00
			H	14.91	9.7	-6.91	17.7	33.00
	1907.6	9538	V	13.1	9.81	-6.96	15.95	33.00
			H	14.83	9.81	-6.96	17.68	33.00
HSUPA Band II	1852.4	9262	V	14.74	9.58	-6.86	17.46	33.00
			H	16.86	9.58	-6.86	19.58	33.00
	1880.0	9400	V	14.06	9.7	-6.91	16.85	33.00
			H	16.11	9.7	-6.91	18.9	33.00
	1907.6	9538	V	14.62	9.81	-6.96	17.47	33.00
			H	15.33	9.81	-6.96	18.18	33.00

Remark: The RBW,VBW of SPA for frequency RBW=5 MHz, VBW=8 MHz

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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	dBd	dB	dBm	dBm
WCDMA Band IV	1712.4	1312	V	12.02	8.99	-6.58	14.43	30.00
			H	15.2	8.99	-6.58	17.61	30.00
	1732.6	1413	V	14.12	9.08	-6.63	16.57	30.00
			H	14.34	9.08	-6.63	16.79	30.00
	1752.6	1513	V	12.82	9.16	-6.66	15.32	30.00
			H	13.69	9.16	-6.66	16.19	30.00
HSDPA Band IV	1712.4	1312	V	12.09	8.99	-6.59	14.49	30.00
			H	15.43	8.99	-6.59	17.83	30.00
	1732.6	1413	V	14.08	9.08	-6.63	16.53	30.00
			H	14.1	9.08	-6.63	16.55	30.00
	1752.6	1513	V	13.03	9.16	-6.66	15.53	30.00
			H	13.8	9.16	-6.66	16.3	30.00
HSUPA Band IV	1712.4	1312	V	12.04	8.99	-6.58	14.45	30.00
			H	15.99	8.99	-6.58	18.4	30.00
	1732.6	1413	V	13.87	9.08	-6.63	16.32	30.00
			H	15.09	9.08	-6.63	17.54	30.00
	1752.6	1513	V	12.73	9.16	-6.66	15.23	30.00
			H	13.47	9.16	-6.66	15.97	30.00

Remark: The RBW,VBW of SPA for frequency RBW=5 MHz, VBW=8 MHz

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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	14.61	5.13	-4.18	15.56	38.45
			H	21.65	5.13	-4.18	22.59	38.45
	836.6	4183	V	14.06	5.10	-4.23	14.93	38.45
			H	21.29	5.10	-4.23	22.16	38.45
	846.6	4233	V	12.81	5.07	-4.26	13.62	38.45
			H	20.40	5.07	-4.26	21.21	38.45
HSDPA Band V	826.4	4132	V	11.50	5.13	-4.19	12.44	38.45
			H	21.52	5.13	-4.19	22.46	38.45
	836.6	4183	V	13.87	5.09	-4.23	14.73	38.45
			H	21.00	5.09	-4.23	21.86	38.45
	846.6	4233	V	12.64	5.06	-4.26	13.45	38.45
			H	20.25	5.06	-4.26	21.06	38.45
HSUPA Band V	826.4	4132	V	14.51	5.13	-4.19	15.46	38.45
			H	20.85	5.13	-4.19	21.79	38.45
	836.6	4183	V	14.04	5.10	-4.23	14.91	38.45
			H	20.47	5.10	-4.23	21.34	38.45
	846.6	4233	V	12.24	5.06	-4.26	13.05	38.45
			H	19.82	5.06	-4.26	20.62	38.45

Remark: The RBW,VBW of SPA for frequency RBW=5 MHz, VBW=8 MHz

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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
BAND 2 BW: 1.4M QPSK RB: 1,0	1850.7	18607	V	8.28	9.57	-6.86	10.99	33.01
			H	15.21	9.57	-6.86	17.92	33.01
	1880.0	18900	V	6.79	9.69	-6.91	9.57	33.01
			H	14.77	9.69	-6.91	17.55	33.01
	1909.3	19193	V	9.55	9.82	-6.97	12.41	33.01
			H	12.95	9.82	-6.97	15.80	33.01
BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	7.53	9.58	-6.86	10.24	33.01
			H	11.63	9.58	-6.86	14.35	33.01
	1880.0	18900	V	7.23	9.70	-6.91	10.01	33.01
			H	12.23	9.70	-6.91	15.02	33.01
	1909.3	19193	V	9.17	9.82	-6.97	12.02	33.01
			H	12.93	9.82	-6.97	15.78	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	7.47	9.57	-6.85	10.19	33.01
			H	11.72	9.57	-6.85	14.43	33.01
	1880.0	18900	V	6.75	9.69	-6.91	9.53	33.01
			H	11.83	9.69	-6.91	14.61	33.01
	1909.3	19193	V	9.44	9.82	-6.97	12.29	33.01
			H	13.56	9.82	-6.97	16.41	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	7.64	9.58	-6.86	10.36	33.01
			H	12.17	9.58	-6.86	14.89	33.01
	1880.0	18900	V	7.19	9.70	-6.91	9.97	33.01
			H	12.27	9.70	-6.91	15.06	33.01
	1909.3	19193	V	9.16	9.82	-6.97	12.02	33.01
			H	12.93	9.82	-6.97	15.78	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 2 BW: 1.4M 64QAM RB: 1,0	1850.7	18607	V	7.66	9.57	-6.86	10.38	33.01
			H	12.19	9.57	-6.86	14.91	33.01
	1880.0	18900	V	7.96	9.69	-6.91	10.74	33.01
			H	12.04	9.69	-6.91	14.82	33.01
	1909.3	19193	V	10.50	9.82	-6.97	13.35	33.01
			H	12.35	9.82	-6.97	15.21	33.01
BAND 2 BW: 1.4M 64QAM RB: 1,5	1850.7	18607	V	7.33	9.57	-6.85	10.04	33.01
			H	11.71	9.57	-6.85	14.42	33.01
	1880.0	18900	V	7.64	9.69	-6.91	10.42	33.01
			H	11.91	9.69	-6.91	14.69	33.01
	1909.3	19193	V	10.38	9.82	-6.97	13.23	33.01
			H	12.35	9.82	-6.97	15.21	33.01

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	dB	dB	dBm	dBm
BAND 2 BW: 3M QPSK RB: 1,0	1851.5	18615	V	7.70	9.57	-6.86	10.42	33.01
			H	11.27	9.57	-6.86	13.99	33.01
	1880.0	18900	V	6.52	9.69	-6.91	9.30	33.01
			H	11.16	9.69	-6.91	13.94	33.01
	1908.5	19185	V	10.02	9.81	-6.96	12.87	33.01
			H	12.70	9.81	-6.96	15.55	33.01
BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	7.06	9.58	-6.86	9.78	33.01
			H	10.41	9.58	-6.86	13.13	33.01
	1880.0	18900	V	7.78	9.70	-6.91	10.57	33.01
			H	12.05	9.70	-6.91	14.83	33.01
	1908.5	19185	V	9.63	9.82	-6.97	12.48	33.01
			H	12.35	9.82	-6.97	15.20	33.01
BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	7.55	9.57	-6.85	10.27	33.01
			H	11.54	9.57	-6.85	14.25	33.01
	1880.0	18900	V	6.56	9.70	-6.91	9.35	33.01
			H	11.19	9.70	-6.91	13.97	33.01
	1908.5	19185	V	9.31	9.81	-6.96	12.16	33.01
			H	11.86	9.81	-6.96	14.70	33.01
BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	7.11	9.58	-6.86	9.83	33.01
			H	10.42	9.58	-6.86	13.14	33.01
	1880.0	18900	V	7.74	9.70	-6.91	10.53	33.01
			H	12.14	9.70	-6.91	14.92	33.01
	1908.5	19185	V	9.54	9.82	-6.97	12.39	33.01
			H	12.36	9.82	-6.97	15.21	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 2 BW: 3M 64QAM RB: 1,0	1851.5	18615	V	7.44	9.57	-6.86	10.16	33.01
			H	11.28	9.57	-6.86	13.99	33.01
	1880.0	18900	V	6.55	9.69	-6.91	9.33	33.01
			H	11.21	9.69	-6.91	13.99	33.01
	1908.5	19185	V	10.03	9.81	-6.96	12.88	33.01
			H	11.95	9.81	-6.96	14.80	33.01
BAND 2 BW: 3M 64QAM RB: 1,14	1851.5	18615	V	7.00	9.58	-6.86	9.72	33.01
			H	10.79	9.58	-6.86	13.52	33.01
	1880.0	18900	V	7.77	9.70	-6.91	10.56	33.01
			H	12.16	9.70	-6.91	14.95	33.01
	1908.5	19185	V	9.60	9.82	-6.97	12.45	33.01
			H	12.38	9.82	-6.97	15.24	33.01

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
BAND 2 BW: 5M QPSK RB: 1,0	1852.5	18625	V	7.55	9.57	-6.86	10.27	33.01
			H	11.43	9.57	-6.86	14.14	33.01
	1880.0	18900	V	7.14	9.69	-6.91	9.92	33.01
			H	12.09	9.69	-6.91	14.87	33.01
	1907.5	19175	V	10.23	9.81	-6.96	13.08	33.01
			H	11.21	9.81	-6.96	14.05	33.01
BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	7.58	9.59	-6.86	10.31	33.01
			H	10.58	9.59	-6.86	13.30	33.01
	1880.0	18900	V	7.74	9.71	-6.92	10.53	33.01
			H	12.06	9.71	-6.92	14.85	33.01
	1907.5	19175	V	9.58	9.82	-6.97	12.44	33.01
			H	12.35	9.82	-6.97	15.20	33.01
BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	7.65	9.57	-6.86	10.36	33.01
			H	11.38	9.57	-6.86	14.10	33.01
	1880.0	18900	V	7.25	9.69	-6.91	10.03	33.01
			H	12.08	9.69	-6.91	14.86	33.01
	1907.5	19175	V	10.27	9.80	-6.96	13.11	33.01
			H	12.27	9.80	-6.96	15.11	33.01
BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	7.42	9.59	-6.86	10.15	33.01
			H	10.63	9.59	-6.86	13.36	33.01
	1880.0	18900	V	7.69	9.71	-6.92	10.48	33.01
			H	12.19	9.71	-6.92	14.98	33.01
	1907.5	19175	V	9.66	9.82	-6.97	12.52	33.01
			H	12.49	9.82	-6.97	15.34	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 2 BW: 5M 64QAM RB: 1,0	1852.5	18625	V	7.47	9.57	-6.86	10.18	33.01
			H	11.35	9.57	-6.86	14.07	33.01
	1880.0	18900	V	7.12	9.69	-6.91	9.90	33.01
			H	12.08	9.69	-6.91	14.86	33.01
	1907.5	19175	V	10.18	9.80	-6.96	13.02	33.01
			H	11.23	9.80	-6.96	14.07	33.01
BAND 2 BW: 5M 64QAM RB: 1,24	1852.5	18625	V	7.78	9.57	-6.86	10.50	33.01
			H	11.65	9.57	-6.86	14.36	33.01
	1880.0	18900	V	7.80	9.71	-6.92	10.59	33.01
			H	12.06	9.71	-6.92	14.85	33.01
	1907.5	19175	V	9.47	9.82	-6.97	12.32	33.01
			H	12.28	9.82	-6.97	15.14	33.01

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
BAND 2 BW: 10M QPSK RB: 1,0	1855.0	18650	V	7.99	9.57	-6.86	10.70	33.01
			H	11.53	9.57	-6.86	14.25	33.01
	1880.0	18900	V	6.43	9.68	-6.90	9.20	33.01
			H	11.44	9.68	-6.90	14.21	33.01
	1905.0	19150	V	9.24	9.78	-6.95	12.07	33.01
			H	9.60	9.78	-6.95	12.43	33.01
BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	7.44	9.61	-6.87	10.18	33.01
			H	11.24	9.61	-6.87	13.98	33.01
	1880.0	18900	V	8.13	9.72	-6.92	10.93	33.01
			H	12.06	9.72	-6.92	14.86	33.01
	1905.0	19150	V	9.54	9.82	-6.97	12.39	33.01
			H	12.29	9.82	-6.97	15.15	33.01
BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	8.18	9.57	-6.86	10.89	33.01
			H	11.53	9.57	-6.86	14.24	33.01
	1880.0	18900	V	6.53	9.68	-6.90	9.30	33.01
			H	11.49	9.68	-6.90	14.26	33.01
	1905.0	19150	V	9.17	9.78	-6.95	12.00	33.01
			H	9.67	9.78	-6.95	12.50	33.01
BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	6.65	9.61	-6.87	9.38	33.01
			H	9.74	9.61	-6.87	12.48	33.01
	1880.0	18900	V	8.08	9.71	-6.92	10.88	33.01
			H	12.05	9.71	-6.92	14.85	33.01
	1905.0	19150	V	9.58	9.82	-6.97	12.44	33.01
			H	12.42	9.82	-6.97	15.27	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 2 BW: 10M 64QAM RB: 1,0	1855.0	18650	V	8.04	9.57	-6.86	10.75	33.01
			H	11.57	9.57	-6.86	14.29	33.01
	1880.0	18900	V	6.54	9.68	-6.91	9.32	33.01
			H	11.51	9.68	-6.91	14.29	33.01
	1905.0	19150	V	10.07	9.78	-6.95	12.90	33.01
			H	10.49	9.78	-6.95	13.32	33.01
BAND 2 BW: 10M 64QAM RB: 1,49	1855.0	18650	V	7.45	9.61	-6.87	10.19	33.01
			H	10.71	9.61	-6.87	13.45	33.01
	1880.0	18900	V	8.12	9.72	-6.92	10.92	33.01
			H	12.04	9.72	-6.92	14.84	33.01
	1905.0	19150	V	9.56	9.82	-6.97	12.41	33.01
			H	12.33	9.82	-6.97	15.18	33.01

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
BAND 2 BW: 15M QPSK RB: 1,0	1857.5	18675	V	7.64	9.57	-6.86	10.36	33.01
			H	11.84	9.57	-6.86	14.56	33.01
	1880.0	18900	V	5.75	9.67	-6.90	8.52	33.01
			H	10.77	9.67	-6.90	13.54	33.01
	1902.5	19125	V	9.26	9.76	-6.94	12.08	33.01
			H	10.72	9.76	-6.94	13.54	33.01
BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	6.01	9.63	-6.88	8.76	33.01
			H	10.29	9.63	-6.88	13.04	33.01
	1880.0	18900	V	8.74	9.72	-6.92	11.54	33.01
			H	12.06	9.72	-6.92	14.86	33.01
	1902.5	19125	V	10.13	9.82	-6.97	12.98	33.01
			H	11.91	9.82	-6.97	14.77	33.01
BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	7.57	9.57	-6.86	10.29	33.01
			H	11.79	9.57	-6.86	14.50	33.01
	1880.0	18900	V	5.67	9.67	-6.90	8.44	33.01
			H	10.80	9.67	-6.90	13.57	33.01
	1902.5	19125	V	9.51	9.76	-6.94	12.33	33.01
			H	11.04	9.76	-6.94	13.86	33.01
BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	6.04	9.63	-6.88	8.79	33.01
			H	10.37	9.63	-6.88	13.12	33.01
	1880.0	18900	V	8.50	9.72	-6.92	11.29	33.01
			H	12.06	9.72	-6.92	14.86	33.01
	1902.5	19125	V	10.11	9.82	-6.97	12.96	33.01
			H	11.98	9.82	-6.97	14.83	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 2 BW: 15M 64QAM RB: 1,0	1857.5	18675	V	7.66	9.57	-6.86	10.38	33.01
			H	11.85	9.57	-6.86	14.56	33.01
	1880.0	18900	V	5.80	9.67	-6.90	8.57	33.01
			H	10.90	9.67	-6.90	13.67	33.01
	1902.5	19125	V	9.33	9.77	-6.94	12.15	33.01
			H	10.75	9.77	-6.94	13.57	33.01
BAND 2 BW: 15M 64QAM RB: 1,74	1857.5	18675	V	6.99	9.63	-6.88	9.74	33.01
			H	11.28	9.63	-6.88	14.03	33.01
	1880.0	18900	V	8.56	9.72	-6.93	11.36	33.01
			H	12.12	9.72	-6.93	14.92	33.01
	1902.5	19125	V	10.07	9.82	-6.97	12.92	33.01
			H	12.51	9.82	-6.97	15.36	33.01

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
BAND 2 BW: 20M QPSK RB: 1,0	1860.0	18700	V	7.86	9.57	-6.86	10.58	33.01
			H	12.04	9.57	-6.86	14.76	33.01
	1880.0	18900	V	5.51	9.66	-6.90	8.28	33.01
			H	10.42	9.66	-6.90	13.19	33.01
	1900.0	19100	V	9.63	9.75	-6.93	12.45	33.01
			H	11.95	9.75	-6.93	14.76	33.01
BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	5.80	9.65	-6.89	8.56	33.01
			H	10.67	9.65	-6.89	13.43	33.01
	1880.0	18900	V	8.60	9.73	-6.93	11.40	33.01
			H	11.36	9.73	-6.93	14.16	33.01
	1900.0	19100	V	10.21	9.82	-6.97	13.06	33.01
			H	11.86	9.82	-6.97	14.71	33.01
BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	7.77	9.58	-6.86	10.49	33.01
			H	12.12	9.58	-6.86	14.83	33.01
	1880.0	18900	V	5.26	9.66	-6.89	8.03	33.01
			H	10.46	9.66	-6.89	13.23	33.01
	1900.0	19100	V	9.46	9.75	-6.93	12.27	33.01
			H	11.85	9.75	-6.93	14.66	33.01
BAND 2 BW: 20M 16QAM RB: 1,99	1860.0	18700	V	5.75	9.65	-6.89	8.50	33.01
			H	11.06	9.65	-6.89	13.82	33.01
	1880.0	18900	V	8.64	9.73	-6.93	11.44	33.01
			H	11.42	9.73	-6.93	14.22	33.01
	1900.0	19100	V	10.04	9.82	-6.97	12.89	33.01
			H	11.86	9.82	-6.97	14.72	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 2 BW: 20M 64QAM RB: 1,0	1860.0	18700	V	7.83	9.58	-6.86	10.55	33.01
			H	12.34	9.58	-6.86	15.06	33.01
	1880.0	18900	V	5.44	9.66	-6.90	8.20	33.01
			H	10.33	9.66	-6.90	13.10	33.01
	1900.0	19100	V	9.29	9.74	-6.93	12.10	33.01
			H	11.98	9.74	-6.93	14.79	33.01
BAND 2 BW: 20M 64QAM RB: 1,99	1860.0	18700	V	5.70	9.65	-6.89	8.46	33.01
			H	10.49	9.65	-6.89	13.25	33.01
	1880.0	18900	V	8.59	9.73	-6.93	11.39	33.01
			H	11.59	9.73	-6.93	14.39	33.01
	1900.0	19100	V	10.22	9.82	-6.97	13.07	33.01
			H	12.10	9.82	-6.97	14.95	33.01

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
BAND 4 BW: 1.4M QPSK RB: 1,0	1710.7	19957	V	15.67	8.98	-6.58	18.07	30.00
			H	16.94	8.98	-6.58	19.34	30.00
	1732.5	20175	V	13.98	9.07	-6.62	16.43	30.00
			H	16.12	9.08	-6.62	18.57	30.00
	1754.3	20393	V	13.34	9.17	-6.67	15.84	30.00
			H	16.19	9.17	-6.67	18.69	30.00
BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	15.58	8.99	-6.58	17.99	30.00
			H	16.83	8.99	-6.58	19.24	30.00
	1732.5	20175	V	14.19	9.08	-6.63	16.64	30.00
			H	16.10	9.08	-6.63	18.55	30.00
	1754.3	20393	V	13.27	9.17	-6.67	15.77	30.00
			H	16.13	9.17	-6.67	18.64	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	15.78	8.98	-6.58	18.18	30.00
			H	17.00	8.98	-6.58	19.40	30.00
	1732.5	20175	V	14.06	9.07	-6.62	16.51	30.00
			H	16.29	9.08	-6.62	18.74	30.00
	1754.3	20393	V	13.32	9.17	-6.67	15.82	30.00
			H	16.10	9.17	-6.67	18.60	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	15.70	8.99	-6.58	18.11	30.00
			H	17.04	8.99	-6.58	19.45	30.00
	1732.5	20175	V	14.30	9.08	-6.63	16.75	30.00
			H	16.41	9.08	-6.63	18.86	30.00
	1754.3	20393	V	13.26	9.17	-6.67	15.76	30.00
			H	16.21	9.17	-6.67	18.71	30.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 4 BW: 1.4M 64QAM RB: 1,0	1710.7	19957	V	10.53	8.98	-6.58	12.93	30.00
			H	19.31	8.98	-6.58	21.71	30.00
	1732.5	20175	V	7.71	9.07	-6.62	10.16	30.00
			H	18.94	9.08	-6.62	21.39	30.00
	1754.3	20393	V	8.94	9.17	-6.67	11.44	30.00
			H	18.98	9.17	-6.67	21.48	30.00
BAND 4 BW: 1.4M 64QAM RB: 1,5	1710.7	19957	V	8.93	8.99	-6.58	11.33	30.00
			H	18.57	8.99	-6.58	20.97	30.00
	1732.5	20175	V	9.14	9.08	-6.63	11.59	30.00
			H	18.88	9.08	-6.63	21.33	30.00
	1754.3	20393	V	8.97	9.17	-6.67	11.47	30.00
			H	19.00	9.17	-6.67	21.50	30.00

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
BAND 4 BW: 3M QPSK RB: 1,0	1711.5	19965	V	15.57	8.98	-6.58	17.97	30.00
			H	16.54	8.98	-6.58	18.94	30.00
	1732.5	20175	V	13.85	9.07	-6.62	16.30	30.00
			H	16.24	9.07	-6.62	18.69	30.00
	1753.5	20385	V	13.63	9.16	-6.66	16.13	30.00
			H	15.72	9.16	-6.66	18.21	30.00
BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	15.33	8.99	-6.58	17.74	30.00
			H	16.35	8.99	-6.59	18.76	30.00
	1732.5	20175	V	14.16	9.08	-6.63	16.62	30.00
			H	16.29	9.08	-6.63	18.75	30.00
	1753.5	20385	V	13.41	9.17	-6.67	15.91	30.00
			H	15.89	9.17	-6.67	18.39	30.00
BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	15.68	8.98	-6.58	18.08	30.00
			H	16.74	8.99	-6.58	19.14	30.00
	1732.5	20175	V	13.82	9.07	-6.62	16.27	30.00
			H	16.33	9.07	-6.62	18.78	30.00
	1753.5	20385	V	13.76	9.16	-6.66	16.25	30.00
			H	15.88	9.16	-6.67	18.38	30.00
BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	15.38	8.99	-6.59	17.79	30.00
			H	16.43	9.00	-6.59	18.84	30.00
	1732.5	20175	V	14.22	9.08	-6.63	16.68	30.00
			H	16.44	9.08	-6.63	18.90	30.00
	1753.5	20385	V	13.50	9.17	-6.67	16.00	30.00
			H	15.84	9.17	-6.67	18.34	30.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 4 BW: 3M 64QAM RB: 1,0	1711.5	19965	V	8.64	8.98	-6.58	11.04	30.00
			H	17.44	8.98	-6.58	19.84	30.00
	1732.5	20175	V	7.54	9.07	-6.62	9.98	30.00
			H	17.36	9.07	-6.62	19.81	30.00
	1753.5	20385	V	9.01	9.16	-6.67	11.50	30.00
			H	17.99	9.16	-6.67	20.49	30.00
BAND 4 BW: 3M 64QAM RB: 1,14	1711.5	19965	V	8.65	8.99	-6.58	11.05	30.00
			H	17.37	8.99	-6.59	19.78	30.00
	1732.5	20175	V	7.33	9.08	-6.63	9.78	30.00
			H	17.51	9.08	-6.63	19.96	30.00
	1753.5	20385	V	9.29	9.17	-6.67	11.80	30.00
			H	18.13	9.17	-6.67	20.63	30.00

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
BAND 4 BW: 5M QPSK RB: 1,0	1712.5	19975	V	15.53	8.98	-6.58	17.93	30.00
			H	16.82	8.98	-6.58	19.22	30.00
	1732.5	20175	V	13.51	9.07	-6.62	15.95	30.00
			H	16.35	9.07	-6.62	18.79	30.00
	1752.5	20375	V	14.16	9.15	-6.66	16.65	30.00
			H	15.99	9.15	-6.66	18.48	30.00
BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	14.82	9.00	-6.59	17.23	30.00
			H	16.09	9.00	-6.59	18.50	30.00
	1732.5	20175	V	14.09	9.09	-6.63	16.55	30.00
			H	16.49	9.09	-6.63	18.95	30.00
	1752.5	20375	V	13.33	9.17	-6.67	15.83	30.00
			H	16.03	9.17	-6.67	18.53	30.00
BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	15.59	8.98	-6.58	18.00	30.00
			H	16.85	8.99	-6.58	19.25	30.00
	1732.5	20175	V	13.55	9.07	-6.62	16.00	30.00
			H	16.40	9.07	-6.62	18.85	30.00
	1752.5	20375	V	14.20	9.15	-6.66	16.69	30.00
			H	16.07	9.15	-6.66	18.56	30.00
BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	14.81	9.00	-6.59	17.22	30.00
			H	16.24	9.00	-6.59	18.66	30.00
	1732.5	20175	V	14.17	9.09	-6.63	16.62	30.00
			H	16.62	9.09	-6.63	19.08	30.00
	1752.5	20375	V	13.66	9.17	-6.67	16.16	30.00
			H	16.09	9.17	-6.67	18.59	30.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 4 BW: 5M 64QAM RB: 1,0	1712.5	19975	V	8.61	8.98	-6.58	11.01	30.00
			H	18.10	8.98	-6.58	20.50	30.00
	1732.5	20175	V	7.56	9.07	-6.62	10.01	30.00
			H	18.43	9.07	-6.62	20.87	30.00
	1752.5	20375	V	9.07	9.15	-6.66	11.56	30.00
			H	19.13	9.15	-6.66	21.63	30.00
BAND 4 BW: 5M 64QAM RB: 1,24	1712.5	19975	V	8.76	9.00	-6.59	11.17	30.00
			H	17.75	9.00	-6.59	20.16	30.00
	1732.5	20175	V	7.37	9.09	-6.63	9.83	30.00
			H	18.65	9.08	-6.63	21.11	30.00
	1752.5	20375	V	9.23	9.17	-6.67	11.73	30.00
			H	19.07	9.17	-6.67	21.57	30.00

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
BAND 4 BW: 10M QPSK RB: 1,0	1715.0	20000	V	15.32	8.99	-6.58	17.73	30.00
			H	17.41	8.98	-6.58	19.82	30.00
	1732.5	20175	V	13.11	9.06	-6.62	15.55	30.00
			H	16.04	9.06	-6.62	18.49	30.00
	1750.0	20350	V	14.24	9.13	-6.65	16.73	30.00
			H	16.16	9.13	-6.65	18.64	30.00
BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	13.37	9.02	-6.60	15.79	30.00
			H	15.11	9.02	-6.60	17.53	30.00
	1732.5	20175	V	14.11	9.10	-6.63	16.57	30.00
			H	16.50	9.10	-6.63	18.96	30.00
	1750.0	20350	V	13.24	9.17	-6.67	15.74	30.00
			H	15.83	9.17	-6.67	18.33	30.00
BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	14.42	8.99	-6.58	16.83	30.00
			H	16.64	8.98	-6.58	19.04	30.00
	1732.5	20175	V	13.12	9.06	-6.62	15.56	30.00
			H	16.07	9.06	-6.62	18.52	30.00
	1750.0	20350	V	14.34	9.13	-6.65	16.82	30.00
			H	16.29	9.13	-6.65	18.77	30.00
BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	13.44	9.02	-6.60	15.86	30.00
			H	15.20	9.02	-6.60	17.62	30.00
	1732.5	20175	V	14.13	9.10	-6.63	16.59	30.00
			H	16.44	9.10	-6.63	18.90	30.00
	1750.0	20350	V	13.28	9.17	-6.67	15.78	30.00
			H	15.95	9.17	-6.67	18.45	30.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 4 BW: 10M 64QAM RB: 1,0	1715.0	20000	V	8.62	8.99	-6.58	11.02	30.00
			H	18.42	8.98	-6.58	20.82	30.00
	1732.5	20175	V	8.84	9.06	-6.62	11.28	30.00
			H	18.60	9.06	-6.62	21.04	30.00
	1750.0	20350	V	9.34	9.13	-6.65	11.83	30.00
			H	18.97	9.13	-6.65	21.45	30.00
BAND 4 BW: 10M 64QAM RB: 1,49	1715.0	20000	V	8.97	9.02	-6.60	11.39	30.00
			H	17.39	9.02	-6.60	19.82	30.00
	1732.5	20175	V	8.65	9.10	-6.63	11.11	30.00
			H	18.92	9.10	-6.63	21.38	30.00
	1750.0	20350	V	9.43	9.17	-6.67	11.93	30.00
			H	19.14	9.17	-6.67	21.64	30.00

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
BAND 4 BW: 15M QPSK RB: 1,0	1717.5	20025	V	15.47	8.98	-6.58	17.87	30.00
			H	11.15	8.98	-6.58	13.55	30.00
	1732.5	20175	V	12.96	9.05	-6.61	15.40	30.00
			H	12.84	9.05	-6.61	15.27	30.00
	1747.5	20325	V	14.50	9.11	-6.64	16.97	30.00
			H	13.94	9.11	-6.64	16.41	30.00
BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	12.96	9.04	-6.61	15.40	30.00
			H	12.25	9.04	-6.61	14.68	30.00
	1732.5	20175	V	14.28	9.10	-6.64	16.74	30.00
			H	13.81	9.10	-6.64	16.27	30.00
	1747.5	20325	V	13.40	9.17	-6.67	15.90	30.00
			H	13.79	9.17	-6.67	16.29	30.00
BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	16.68	8.99	-6.58	19.08	30.00
			H	11.28	8.99	-6.58	13.69	30.00
	1732.5	20175	V	14.55	9.05	-6.61	16.99	30.00
			H	12.90	9.05	-6.61	15.34	30.00
	1747.5	20325	V	15.67	9.11	-6.64	18.14	30.00
			H	13.89	9.12	-6.64	16.36	30.00
BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	14.43	9.04	-6.61	16.86	30.00
			H	12.34	9.04	-6.61	14.78	30.00
	1732.5	20175	V	15.54	9.10	-6.64	18.01	30.00
			H	13.77	9.10	-6.64	16.23	30.00
	1747.5	20325	V	14.40	9.17	-6.67	16.90	30.00
			H	13.89	9.17	-6.67	16.39	30.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 4 BW: 15M 64QAM RB: 1,0	1717.5	20025	V	8.81	8.99	-6.58	11.22	30.00
			H	18.34	8.99	-6.58	20.74	30.00
	1732.5	20175	V	9.63	9.05	-6.61	12.07	30.00
			H	18.25	9.05	-6.61	20.69	30.00
	1747.5	20325	V	9.16	9.11	-6.64	11.63	30.00
			H	19.32	9.11	-6.64	21.79	30.00
BAND 4 BW: 15M 64QAM RB: 1,74	1717.5	20025	V	9.20	9.04	-6.61	11.64	30.00
			H	17.79	9.04	-6.61	20.23	30.00
	1732.5	20175	V	8.91	9.10	-6.64	11.38	30.00
			H	19.07	9.11	-6.64	21.54	30.00
	1747.5	20325	V	8.61	9.17	-6.67	11.11	30.00
			H	19.10	9.17	-6.67	21.60	30.00

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
BAND 4 BW: 20M QPSK RB: 1,0	1720.0	20050	V	16.50	8.99	-6.58	18.90	30.00
			H	11.41	8.99	-6.58	13.82	30.00
	1732.5	20175	V	15.25	9.04	-6.61	17.69	30.00
			H	11.92	9.04	-6.61	14.35	30.00
	1745.0	20300	V	15.69	9.09	-6.63	18.15	30.00
			H	14.10	9.09	-6.63	16.56	30.00
BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	14.92	9.06	-6.62	17.36	30.00
			H	13.62	9.06	-6.62	16.07	30.00
	1732.5	20175	V	15.48	9.12	-6.64	17.95	30.00
			H	13.80	9.11	-6.64	16.27	30.00
	1745.0	20300	V	14.27	9.17	-6.67	16.77	30.00
			H	14.08	9.17	-6.67	16.57	30.00
BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	16.53	8.99	-6.58	18.94	30.00
			H	11.65	8.99	-6.58	14.06	30.00
	1732.5	20175	V	14.34	9.04	-6.61	16.77	30.00
			H	12.03	9.04	-6.61	14.46	30.00
	1745.0	20300	V	15.72	9.09	-6.63	18.18	30.00
			H	14.12	9.09	-6.63	16.58	30.00
BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	14.95	9.06	-6.62	17.39	30.00
			H	13.71	9.06	-6.62	16.16	30.00
	1732.5	20175	V	15.48	9.11	-6.64	17.95	30.00
			H	13.87	9.11	-6.64	16.34	30.00
	1745.0	20300	V	14.63	9.17	-6.67	17.12	30.00
			H	14.17	9.17	-6.67	16.67	30.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 4 BW: 20M 64QAM RB: 1,0	1720.0	20050	V	8.91	8.98	-6.58	11.32	30.00
			H	17.93	8.99	-6.58	20.34	30.00
	1732.5	20175	V	8.71	9.04	-6.61	11.14	30.00
			H	16.46	9.04	-6.61	18.89	30.00
	1745.0	20300	V	8.01	9.09	-6.63	10.47	30.00
			H	18.26	9.09	-6.63	20.72	30.00
BAND 4 BW: 20M 64QAM RB: 1,99	1720.0	20050	V	7.96	9.06	-6.62	10.40	30.00
			H	18.77	9.06	-6.62	21.21	30.00
	1732.5	20175	V	8.57	9.11	-6.64	11.04	30.00
			H	19.40	9.11	-6.64	21.87	30.00
	1745.0	20300	V	9.35	9.17	-6.67	11.85	30.00
			H	19.10	9.17	-6.67	21.60	30.00

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
BAND 5 BW: 1.4M QPSK RB: 1,0	824.7	20407	V	15.13	5.14	-4.18	16.09	38.45
			H	23.10	5.14	-4.18	24.05	38.45
	836.5	20525	V	15.43	5.10	-4.22	16.30	38.45
			H	23.06	5.10	-4.22	23.94	38.45
	848.3	20643	V	13.98	5.06	-4.26	14.78	38.45
			H	23.40	5.06	-4.26	24.20	38.45
BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	15.06	5.13	-4.18	16.00	38.45
			H	23.10	5.13	-4.18	24.05	38.45
	836.5	20525	V	14.37	5.09	-4.23	15.23	38.45
			H	23.03	5.09	-4.23	23.90	38.45
	848.3	20643	V	16.19	5.05	-4.27	16.98	38.45
			H	23.30	5.05	-4.27	24.08	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	15.04	5.14	-4.18	16.00	38.45
			H	23.20	5.14	-4.18	24.16	38.45
	836.5	20525	V	15.46	5.10	-4.22	16.33	38.45
			H	23.08	5.10	-4.22	23.95	38.45
	848.3	20643	V	14.01	5.06	-4.26	14.81	38.45
			H	23.47	5.06	-4.26	24.27	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	15.27	5.14	-4.18	16.22	38.45
			H	23.26	5.14	-4.18	24.21	38.45
	836.5	20525	V	14.40	5.09	-4.23	15.26	38.45
			H	23.11	5.09	-4.23	23.98	38.45
	848.3	20643	V	16.19	5.05	-4.27	16.97	38.45
			H	23.37	5.05	-4.27	24.16	38.45

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
BAND 5 BW: 1.4M 64QAM RB: 1,0	824.7	20407	V	14.87	5.14	-4.18	15.82	38.45
			H	23.01	5.14	-4.18	23.96	38.45
	836.5	20525	V	15.43	5.10	-4.22	16.30	38.45
			H	23.12	5.10	-4.22	23.99	38.45
	848.3	20643	V	13.77	5.06	-4.26	14.57	38.45
			H	23.38	5.06	-4.26	24.18	38.45
BAND 5 BW: 1.4M 64QAM RB: 1,5	824.7	20407	V	14.96	5.13	-4.18	15.91	38.45
			H	23.01	5.13	-4.18	23.96	38.45
	836.5	20525	V	14.39	5.09	-4.23	15.25	38.45
			H	23.10	5.09	-4.23	23.96	38.45
	848.3	20643	V	16.11	5.05	-4.27	16.90	38.45
			H	23.23	5.05	-4.27	24.01	38.45

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	dBd	dB	dBm	dBm
BAND 5 BW: 3M QPSK RB: 1,0	825.5	20415	V	14.89	5.14	-4.18	15.85	38.45
			H	22.93	5.14	-4.18	23.89	38.45
	836.5	20525	V	14.79	5.10	-4.22	15.66	38.45
			H	23.09	5.10	-4.22	23.97	38.45
	847.5	20635	V	12.87	5.06	-4.26	13.67	38.45
			H	22.30	5.06	-4.26	23.11	38.45
BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	15.11	5.13	-4.19	16.05	38.45
			H	22.97	5.13	-4.19	23.91	38.45
	836.5	20525	V	14.36	5.09	-4.23	15.22	38.45
			H	23.15	5.09	-4.23	24.01	38.45
	847.5	20635	V	13.67	5.05	-4.27	14.46	38.45
			H	23.15	5.05	-4.27	23.94	38.45
BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	14.82	5.14	-4.18	15.77	38.45
			H	22.90	5.14	-4.18	23.85	38.45
	836.5	20525	V	15.45	5.10	-4.22	16.33	38.45
			H	23.10	5.10	-4.22	23.98	38.45
	847.5	20635	V	12.83	5.06	-4.26	13.63	38.45
			H	22.32	5.06	-4.26	23.12	38.45
BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	15.19	5.13	-4.19	16.13	38.45
			H	23.06	5.13	-4.19	24.00	38.45
	836.5	20525	V	14.42	5.09	-4.23	15.28	38.45
			H	23.19	5.09	-4.23	24.05	38.45
	847.5	20635	V	15.64	5.05	-4.27	16.43	38.45
			H	23.26	5.05	-4.27	24.05	38.45

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	dBd	dB	dBm	dBm
BAND 5 BW: 3M 64QAM RB: 1,0	825.5	20415	V	14.86	5.14	-4.18	15.82	38.45
			H	22.87	5.14	-4.18	23.83	38.45
	836.5	20525	V	15.47	5.10	-4.22	16.35	38.45
			H	23.16	5.10	-4.22	24.03	38.45
	847.5	20635	V	12.94	5.06	-4.26	13.75	38.45
			H	22.50	5.06	-4.26	23.31	38.45
BAND 5 BW: 3M 64QAM RB: 1,14	825.5	20415	V	15.23	5.13	-4.19	16.18	38.45
			H	23.03	5.13	-4.19	23.97	38.45
	836.5	20525	V	14.53	5.09	-4.23	15.39	38.45
			H	23.24	5.09	-4.23	24.10	38.45
	847.5	20635	V	15.49	5.06	-4.27	16.28	38.45
			H	23.08	5.06	-4.27	23.87	38.45

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
BAND 5 BW: 5M QPSK RB: 1,0	826.5	20425	V	15.62	5.14	-4.18	16.57	38.45
			H	22.22	5.14	-4.18	23.18	38.45
	836.5	20525	V	16.53	5.10	-4.22	17.41	38.45
			H	22.62	5.10	-4.22	23.51	38.45
	846.5	20625	V	15.89	5.07	-4.25	16.71	38.45
			H	22.74	5.07	-4.25	23.56	38.45
BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	15.97	5.12	-4.20	16.90	38.45
			H	22.42	5.12	-4.20	23.35	38.45
	836.5	20525	V	16.63	5.09	-4.23	17.49	38.45
			H	22.81	5.09	-4.23	23.67	38.45
	846.5	20625	V	16.03	5.06	-4.26	16.82	38.45
			H	22.91	5.06	-4.26	23.70	38.45
BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	16.28	5.13	-4.18	17.24	38.45
			H	22.27	5.13	-4.18	23.22	38.45
	836.5	20525	V	16.62	5.10	-4.22	17.51	38.45
			H	22.66	5.10	-4.22	23.55	38.45
	846.5	20625	V	15.85	5.07	-4.25	16.67	38.45
			H	22.86	5.07	-4.25	23.68	38.45
BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	16.26	5.12	-4.19	17.19	38.45
			H	22.47	5.12	-4.19	23.39	38.45
	836.5	20525	V	16.61	5.09	-4.23	17.47	38.45
			H	22.84	5.09	-4.23	23.70	38.45
	846.5	20625	V	15.86	5.06	-4.27	16.65	38.45
			H	23.09	5.05	-4.27	23.88	38.45

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
BAND 5 BW: 5M 64QAM RB: 1,0	826.5	20425	V	16.38	5.14	-4.18	17.34	38.45
			H	22.25	5.14	-4.18	23.21	38.45
	836.5	20525	V	16.66	5.10	-4.22	17.55	38.45
			H	22.69	5.10	-4.22	23.58	38.45
	846.5	20625	V	15.92	5.07	-4.25	16.74	38.45
			H	22.93	5.07	-4.25	23.75	38.45
BAND 5 BW: 5M 64QAM RB: 1,24	826.5	20425	V	16.24	5.12	-4.19	17.17	38.45
			H	22.39	5.12	-4.19	23.32	38.45
	836.5	20525	V	16.61	5.09	-4.24	17.47	38.45
			H	22.87	5.09	-4.24	23.72	38.45
	846.5	20625	V	15.75	5.06	-4.27	16.54	38.45
			H	22.82	5.06	-4.27	23.61	38.45

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
BAND 5 BW: 10M QPSK RB: 1,0	829.0	20450	V	16.32	5.14	-4.18	17.28	38.45
			H	22.12	5.14	-4.18	23.08	38.45
	836.5	20525	V	16.39	5.11	-4.21	17.30	38.45
			H	22.62	5.11	-4.21	23.52	38.45
	844.0	20600	V	16.55	5.09	-4.24	17.40	38.45
			H	23.06	5.09	-4.24	23.90	38.45
BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	16.65	5.11	-4.21	17.55	38.45
			H	22.74	5.11	-4.21	23.63	38.45
	836.5	20525	V	16.30	5.08	-4.24	17.14	38.45
			H	22.87	5.08	-4.24	23.71	38.45
	844.0	20600	V	15.51	5.06	-4.26	16.30	38.45
			H	22.76	5.06	-4.26	23.56	38.45
BAND 5 BW: 5M 16QAM RB: 1,0	829.0	20450	V	16.37	5.14	-4.17	17.34	38.45
			H	22.22	5.14	-4.17	23.19	38.45
	836.5	20525	V	16.47	5.11	-4.21	17.37	38.45
			H	22.73	5.11	-4.21	23.63	38.45
	844.0	20600	V	16.56	5.09	-4.24	17.41	38.45
			H	23.04	5.09	-4.24	23.88	38.45
BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	16.64	5.11	-4.21	17.54	38.45
			H	22.76	5.11	-4.21	23.66	38.45
	836.5	20525	V	16.31	5.08	-4.24	17.15	38.45
			H	22.91	5.08	-4.24	23.75	38.45
	844.0	20600	V	15.40	5.06	-4.26	16.19	38.45
			H	22.80	5.06	-4.26	23.60	38.45

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
BAND 5 BW: 10M 64QAM RB: 1,0	829.0	20450	V	16.37	5.14	-4.18	17.33	38.45
			H	22.18	5.14	-4.18	23.14	38.45
	836.5	20525	V	16.42	5.11	-4.21	17.33	38.45
			H	22.67	5.11	-4.21	23.58	38.45
	844.0	20600	V	16.61	5.09	-4.24	17.46	38.45
			H	23.06	5.09	-4.24	23.91	38.45
BAND 5 BW: 10M 64QAM RB: 1,49	829.0	20450	V	16.66	5.11	-4.21	17.55	38.45
			H	22.76	5.11	-4.21	23.65	38.45
	836.5	20525	V	16.29	5.08	-4.24	17.13	38.45
			H	22.89	5.08	-4.24	23.73	38.45
	844.0	20600	V	15.38	5.06	-4.26	16.18	38.45
			H	22.80	5.06	-4.26	23.60	38.45

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
BAND 7 BW: 5M QPSK RB: 1,0	2502.5	20775	V	12.89	10.70	-7.83	15.76	33.01
			H	19.87	10.70	-7.83	22.74	33.01
	2535.0	21100	V	11.51	10.74	-7.87	14.39	33.01
			H	19.88	10.74	-7.87	22.75	33.01
	2567.5	21425	V	12.34	10.78	-7.90	15.21	33.01
			H	19.55	10.78	-7.90	22.43	33.01
BAND 7 BW: 5M QPSK RB: 1,24	2502.5	20775	V	11.37	10.71	-7.84	14.24	33.01
			H	18.80	10.71	-7.84	21.67	33.01
	2535.0	21100	V	10.59	10.75	-7.87	13.46	33.01
			H	18.02	10.75	-7.87	20.89	33.01
	2567.5	21425	V	10.31	10.78	-7.91	13.19	33.01
			H	17.30	10.78	-7.91	20.18	33.01
BAND 7 BW: 5M 16QAM RB: 1,0	2502.5	20775	V	10.87	10.70	-7.83	13.74	33.01
			H	19.32	10.70	-7.83	22.19	33.01
	2535.0	21100	V	10.72	10.74	-7.87	13.59	33.01
			H	18.29	10.74	-7.87	21.17	33.01
	2567.5	21425	V	10.71	10.78	-7.90	13.58	33.01
			H	17.05	10.78	-7.90	19.93	33.01
BAND 7 BW: 5M 16QAM RB: 1,24	2502.5	20775	V	10.58	10.71	-7.84	13.45	33.01
			H	19.18	10.71	-7.84	22.05	33.01
	2535.0	21100	V	10.10	10.74	-7.87	12.97	33.01
			H	18.02	10.74	-7.87	20.89	33.01
	2567.5	21425	V	10.71	10.78	-7.91	13.59	33.01
			H	17.51	10.78	-7.91	20.39	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 7 BW: 5M 64QAM RB: 1,0	2502.5	20775	V	8.92	10.70	-7.83	11.79	33.01
			H	18.56	10.70	-7.83	21.43	33.01
	2535.0	21100	V	10.42	10.74	-7.87	13.29	33.01
			H	18.52	10.74	-7.87	21.39	33.01
	2567.5	21425	V	8.84	10.78	-7.90	11.72	33.01
			H	18.21	10.78	-7.90	21.09	33.01
BAND 7 BW: 5M 64QAM RB: 1,24	2502.5	20775	V	8.86	10.71	-7.84	11.73	33.01
			H	18.09	10.71	-7.84	20.96	33.01
	2535.0	21100	V	10.21	10.74	-7.87	13.09	33.01
			H	18.48	10.75	-7.87	21.35	33.01
	2567.5	21425	V	8.33	10.78	-7.91	11.21	33.01
			H	17.87	10.78	-7.91	20.75	33.01

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
BAND 7 BW: 10M QPSK RB: 1,0	2505.0	20800	V	11.03	10.70	-7.83	13.90	33.01
			H	19.34	10.70	-7.83	22.21	33.01
	2535.0	21100	V	11.18	10.74	-7.86	14.05	33.01
			H	18.62	10.74	-7.86	21.49	33.01
	2565.0	21400	V	9.62	10.77	-7.90	12.50	33.01
			H	18.01	10.77	-7.90	20.89	33.01
BAND 7 BW: 10M QPSK RB: 1,49	2505.0	20800	V	11.97	10.71	-7.84	14.84	33.01
			H	20.21	10.71	-7.84	23.08	33.01
	2535.0	21100	V	10.60	10.75	-7.87	13.47	33.01
			H	18.39	10.75	-7.87	21.27	33.01
	2565.0	21400	V	10.89	10.78	-7.91	13.77	33.01
			H	17.44	10.78	-7.91	20.32	33.01
BAND 7 BW: 10M 16QAM RB: 1,0	2505.0	20800	V	10.77	10.70	-7.83	13.64	33.01
			H	19.21	10.70	-7.83	22.08	33.01
	2535.0	21100	V	11.19	10.74	-7.86	14.06	33.01
			H	18.58	10.74	-7.86	21.45	33.01
	2565.0	21400	V	12.22	10.77	-7.90	15.10	33.01
			H	18.45	10.77	-7.90	21.33	33.01
BAND 7 BW: 10M 16QAM RB: 1,49	2505.0	20800	V	10.90	10.71	-7.84	13.78	33.01
			H	19.22	10.71	-7.84	22.09	33.01
	2535.0	21100	V	10.89	10.75	-7.87	13.76	33.01
			H	18.51	10.75	-7.87	21.38	33.01
	2565.0	21400	V	10.77	10.78	-7.91	13.64	33.01
			H	17.56	10.78	-7.91	20.43	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 7 BW: 10M 64QAM RB: 1,0	2505.0	20800	V	9.88	10.70	-7.83	12.75	33.01
			H	18.44	10.70	-7.83	21.31	33.01
	2535.0	21100	V	11.56	10.74	-7.86	14.44	33.01
			H	19.34	10.74	-7.86	22.22	33.01
	2565.0	21400	V	10.78	10.77	-7.90	13.66	33.01
			H	19.28	10.77	-7.90	22.16	33.01
BAND 7 BW: 10M 64QAM RB: 1,49	2505.0	20800	V	10.14	10.71	-7.84	13.01	33.01
			H	18.87	10.71	-7.84	21.74	33.01
	2535.0	21100	V	11.37	10.75	-7.87	14.24	33.01
			H	18.69	10.75	-7.87	21.56	33.01
	2565.0	21400	V	9.83	10.78	-7.91	12.71	33.01
			H	18.31	10.78	-7.91	21.19	33.01

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
BAND 7 BW: 15M QPSK RB: 1,0	2507.5	20825	V	10.45	10.70	-7.83	13.32	33.01
			H	19.39	10.70	-7.83	22.26	33.01
	2535.0	21100	V	11.39	10.73	-7.86	14.27	33.01
			H	18.94	10.73	-7.86	21.81	33.01
	2562.5	21375	V	11.67	10.77	-7.89	14.54	33.01
			H	17.99	10.77	-7.89	20.87	33.01
BAND 7 BW: 15M QPSK RB: 1,74	2507.5	20825	V	11.06	10.72	-7.85	13.93	33.01
			H	19.63	10.72	-7.85	22.50	33.01
	2535.0	21100	V	11.56	10.75	-7.88	14.43	33.01
			H	18.87	10.75	-7.88	21.75	33.01
	2562.5	21375	V	10.71	10.78	-7.91	13.59	33.01
			H	17.48	10.78	-7.91	20.36	33.01
BAND 7 BW: 15M 16QAM RB: 1,0	2507.5	20825	V	10.29	10.70	-7.83	13.16	33.01
			H	19.39	10.70	-7.83	22.26	33.01
	2535.0	21100	V	10.32	10.73	-7.86	13.20	33.01
			H	17.96	10.73	-7.86	20.83	33.01
	2562.5	21375	V	11.63	10.77	-7.89	14.50	33.01
			H	18.08	10.77	-7.89	20.95	33.01
BAND 7 BW: 15M 16QAM RB: 1,74	2507.5	20825	V	11.04	10.72	-7.85	13.91	33.01
			H	19.64	10.72	-7.85	22.51	33.01
	2535.0	21100	V	11.48	10.75	-7.88	14.35	33.01
			H	18.87	10.75	-7.88	21.74	33.01
	2562.5	21375	V	10.60	10.78	-7.91	13.47	33.01
			H	17.37	10.78	-7.91	20.24	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 7 BW: 15M 64QAM RB: 1,0	2507.5	20825	V	9.80	10.70	-7.83	12.67	33.01
			H	18.65	10.70	-7.83	21.52	33.01
	2535.0	21100	V	10.99	10.73	-7.86	13.86	33.01
			H	18.74	10.73	-7.86	21.61	33.01
	2562.5	21375	V	10.40	10.77	-7.89	13.27	33.01
			H	18.58	10.77	-7.89	21.45	33.01
BAND 7 BW: 15M 64QAM RB: 1,74	2507.5	20825	V	9.28	10.72	-7.85	12.15	33.01
			H	18.45	10.72	-7.85	21.32	33.01
	2535.0	21100	V	11.32	10.75	-7.88	14.20	33.01
			H	18.66	10.75	-7.88	21.53	33.01
	2562.5	21375	V	9.66	10.78	-7.91	12.54	33.01
			H	18.32	10.78	-7.91	21.20	33.01

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
BAND 7 BW: 20M QPSK RB: 1,0	2510.0	20850	V	8.65	10.70	-7.83	11.52	33.01
			H	17.59	10.70	-7.83	20.46	33.01
	2535.0	21100	V	10.59	10.73	-7.86	13.46	33.01
			H	18.42	10.73	-7.86	21.30	33.01
	2560.0	21350	V	11.80	10.76	-7.89	14.67	33.01
			H	18.43	10.76	-7.89	21.31	33.01
BAND 7 BW: 20M QPSK RB: 1,99	2510.0	20850	V	11.22	10.72	-7.85	14.09	33.01
			H	19.29	10.72	-7.85	22.17	33.01
	2535.0	21100	V	11.80	10.75	-7.88	14.67	33.01
			H	19.12	10.75	-7.88	22.00	33.01
	2560.0	21350	V	10.67	10.78	-7.91	13.55	33.01
			H	17.22	10.78	-7.91	20.10	33.01
BAND 7 BW: 20M 16QAM RB: 1,0	2510.0	20850	V	10.12	10.70	-7.83	12.99	33.01
			H	19.61	10.70	-7.83	22.48	33.01
	2535.0	21100	V	10.65	10.73	-7.86	13.52	33.01
			H	18.29	10.73	-7.86	21.16	33.01
	2560.0	21350	V	11.53	10.76	-7.89	14.41	33.01
			H	18.69	10.76	-7.89	21.56	33.01
BAND 7 BW: 20M 16QAM RB: 1,99	2510.0	20850	V	11.30	10.72	-7.85	14.17	33.01
			H	19.27	10.72	-7.85	22.14	33.01
	2535.0	21100	V	11.63	10.75	-7.88	14.50	33.01
			H	19.07	10.75	-7.88	21.94	33.01
	2560.0	21350	V	10.59	10.78	-7.91	13.47	33.01
			H	17.01	10.78	-7.91	19.89	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 7 BW: 20M 64QAM RB: 1,0	2510.0	20850	V	9.93	10.70	-7.83	12.80	33.01
			H	18.59	10.70	-7.83	21.46	33.01
	2535.0	21100	V	10.33	10.76	-7.89	13.21	33.01
			H	18.93	10.73	-7.86	21.80	33.01
	2560.0	21350	V	10.99	10.75	-7.88	13.86	33.01
			H	18.12	10.76	-7.89	20.99	33.01
BAND 7 BW: 20M 64QAM RB: 1,99	2510.0	20850	V	9.54	10.72	-7.85	12.41	33.01
			H	18.85	10.72	-7.85	21.73	33.01
	2535.0	21100	V	10.99	10.75	-7.88	13.86	33.01
			H	18.59	10.75	-7.88	21.47	33.01
	2560.0	21350	V	9.95	10.78	-7.91	12.82	33.01
			H	18.32	10.78	-7.91	21.20	33.01

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
BAND 12 BW: 1.4M QPSK RB: 1,0	699.7	23017	V	10.09	5.06	-3.82	11.33	34.77
			H	18.86	5.05	-3.82	20.10	34.77
	707.5	23095	V	13.54	5.08	-3.84	14.78	34.77
			H	20.24	5.07	-3.84	21.47	34.77
	715.3	23173	V	11.23	5.09	-3.86	12.45	34.77
			H	20.13	5.09	-3.87	21.36	34.77
BAND 12 BW: 1.4M QPSK RB: 1,5	699.7	23017	V	11.77	5.06	-3.82	13.01	34.77
			H	19.31	5.06	-3.82	20.55	34.77
	707.5	23095	V	13.12	5.08	-3.84	14.35	34.77
			H	20.33	5.08	-3.84	21.56	34.77
	715.3	23173	V	10.36	5.09	-3.87	11.58	34.77
			H	19.60	5.09	-3.87	20.83	34.77
BAND 12 BW: 1.4M 16QAM RB: 1,0	699.7	23017	V	11.30	5.05	-3.82	12.53	34.77
			H	18.88	5.05	-3.82	20.11	34.77
	707.5	23095	V	13.24	5.07	-3.84	14.47	34.77
			H	20.34	5.07	-3.84	21.58	34.77
	715.3	23173	V	11.36	5.09	-3.87	12.59	34.77
			H	20.16	5.09	-3.87	21.39	34.77
BAND 12 BW: 1.4M 16QAM RB: 1,5	699.7	23017	V	11.82	5.05	-3.82	13.06	34.77
			H	19.43	5.06	-3.82	20.66	34.77
	707.5	23095	V	13.27	5.08	-3.84	14.50	34.77
			H	20.50	5.08	-3.85	21.74	34.77
	715.3	23173	V	10.54	5.09	-3.87	11.77	34.77
			H	19.67	5.09	-3.87	20.90	34.77

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
BAND 12 BW: 1.4M 64QAM RB: 1,0	699.7	23017	V	11.17	5.05	-3.82	12.40	34.77
			H	18.85	5.05	-3.82	20.08	34.77
	707.5	23095	V	13.00	5.07	-3.84	14.23	34.77
			H	20.17	5.07	-3.84	21.40	34.77
	715.3	23173	V	11.48	5.09	-3.86	12.71	34.77
			H	20.20	5.09	-3.87	21.42	34.77
BAND 12 BW: 1.4M 64QAM RB: 1,5	699.7	23017	V	11.53	5.06	-3.82	12.77	34.77
			H	19.11	5.06	-3.82	20.35	34.77
	707.5	23095	V	12.99	5.08	-3.84	14.23	34.77
			H	20.19	5.08	-3.84	21.42	34.77
	715.3	23173	V	10.63	5.09	-3.87	11.85	34.77
			H	19.74	5.09	-3.87	20.96	34.77

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
BAND 12 BW: 3M QPSK RB: 1,0	700.5	23025	V	11.09	5.05	-3.82	12.33	34.77
			H	19.12	5.05	-3.82	20.36	34.77
	707.5	23095	V	13.48	5.07	-3.84	14.72	34.77
			H	18.78	5.07	-3.84	20.02	34.77
	714.5	23165	V	13.31	5.09	-3.86	14.53	34.77
			H	20.49	5.09	-3.86	21.71	34.77
BAND 12 BW: 3M QPSK RB: 1,14	700.5	23025	V	12.94	5.06	-3.83	14.18	34.77
			H	19.15	5.05	-3.82	20.38	34.77
	707.5	23095	V	13.44	5.08	-3.85	14.67	34.77
			H	18.75	5.07	-3.84	19.99	34.77
	714.5	23165	V	11.74	5.09	-3.87	12.96	34.77
			H	19.59	5.09	-3.87	20.81	34.77
BAND 12 BW: 3M 16QAM RB: 1,0	700.5	23025	V	12.41	5.05	-3.82	13.64	34.77
			H	19.13	5.05	-3.82	20.37	34.77
	707.5	23095	V	12.50	5.07	-3.84	13.73	34.77
			H	18.83	5.07	-3.84	20.06	34.77
	714.5	23165	V	13.26	5.09	-3.86	14.49	34.77
			H	20.50	5.09	-3.86	21.72	34.77
BAND 12 BW: 3M 16QAM RB: 1,14	700.5	23025	V	12.96	5.06	-3.82	14.20	34.77
			H	19.53	5.06	-3.83	20.77	34.77
	707.5	23095	V	13.51	5.08	-3.85	14.74	34.77
			H	20.24	5.08	-3.85	21.47	34.77
	714.5	23165	V	11.84	5.09	-3.87	13.06	34.77
			H	19.67	5.09	-3.87	20.89	34.77

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
BAND 12 BW: 3M 64QAM RB: 1,0	700.5	23025	V	12.37	5.05	-3.82	13.61	34.77
			H	19.14	5.05	-3.82	20.37	34.77
	707.5	23095	V	12.49	5.07	-3.84	13.72	34.77
			H	18.88	5.07	-3.84	20.11	34.77
	714.5	23165	V	13.24	5.09	-3.86	14.46	34.77
			H	20.50	5.09	-3.86	21.73	34.77
BAND 12 BW: 3M 64QAM RB: 1,14	700.5	23025	V	12.93	5.06	-3.83	14.17	34.77
			H	19.46	5.06	-3.83	20.70	34.77
	707.5	23095	V	13.42	5.08	-3.85	14.65	34.77
			H	20.13	5.08	-3.85	21.36	34.77
	714.5	23165	V	11.91	5.09	-3.87	13.14	34.77
			H	19.75	5.09	-3.87	20.97	34.77

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
BAND 12 BW: 5M QPSK RB: 1,0	701.5	23035	V	13.71	5.05	-3.82	14.94	34.77
			H	19.19	5.05	-3.82	20.43	34.77
	707.5	23095	V	13.47	5.07	-3.84	14.70	34.77
			H	19.21	5.07	-3.84	20.45	34.77
	713.5	23155	V	13.46	5.08	-3.86	14.69	34.77
			H	19.71	5.08	-3.86	20.94	34.77
BAND 12 BW: 5M QPSK RB: 1,24	701.5	23035	V	13.87	5.07	-3.83	15.11	34.77
			H	19.60	5.07	-3.83	20.84	34.77
	707.5	23095	V	14.06	5.08	-3.85	15.29	34.77
			H	20.10	5.08	-3.85	21.33	34.77
	713.5	23155	V	12.07	5.09	-3.87	13.29	34.77
			H	19.63	5.09	-3.87	20.85	34.77
BAND 12 BW: 5M 16QAM RB: 1,0	701.5	23035	V	13.25	5.05	-3.82	14.48	34.77
			H	19.15	5.05	-3.82	20.38	34.77
	707.5	23095	V	13.49	5.07	-3.84	14.73	34.77
			H	19.18	5.07	-3.84	20.41	34.77
	713.5	23155	V	13.39	5.08	-3.86	14.62	34.77
			H	19.68	5.08	-3.86	20.91	34.77
BAND 12 BW: 5M 16QAM RB: 1,24	701.5	23035	V	13.88	5.07	-3.83	15.12	34.77
			H	19.57	5.07	-3.83	20.81	34.77
	707.5	23095	V	14.27	5.08	-3.85	15.50	34.77
			H	20.29	5.08	-3.85	21.52	34.77
	713.5	23155	V	12.20	5.09	-3.87	13.42	34.77
			H	19.62	5.09	-3.87	20.84	34.77

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
BAND 12 BW: 5M 64QAM RB: 1,0	701.5	23035	V	13.25	5.05	-3.82	14.49	34.77
			H	19.13	5.05	-3.82	20.36	34.77
	707.5	23095	V	13.57	5.07	-3.83	14.81	34.77
			H	19.21	5.07	-3.84	20.44	34.77
	713.5	23155	V	13.40	5.08	-3.86	14.63	34.77
			H	19.64	5.08	-3.85	20.87	34.77
BAND 12 BW: 5M 64QAM RB: 1,24	701.5	23035	V	13.89	5.07	-3.83	15.12	34.77
			H	19.60	5.07	-3.83	20.84	34.77
	707.5	23095	V	14.09	5.08	-3.85	15.32	34.77
			H	20.10	5.08	-3.85	21.33	34.77
	713.5	23155	V	12.24	5.09	-3.87	13.46	34.77
			H	19.71	5.09	-3.87	20.93	34.77

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
BAND 12 BW: 10M QPSK RB: 1,0	704.0	23060	V	13.25	5.05	-3.82	14.48	34.77
			H	19.16	5.06	-3.82	20.40	34.77
	707.5	23095	V	13.82	5.07	-3.83	15.06	34.77
			H	19.38	5.07	-3.83	20.61	34.77
	711.0	23130	V	14.17	5.07	-3.84	15.40	34.77
			H	19.79	5.07	-3.84	21.03	34.77
BAND 12 BW: 10M QPSK RB: 1,49	704.0	23060	V	14.04	5.08	-3.85	15.27	34.77
			H	19.83	5.08	-3.85	21.06	34.77
	707.5	23095	V	13.68	5.08	-3.86	14.90	34.77
			H	20.03	5.08	-3.86	21.25	34.77
	711.0	23130	V	12.44	5.09	-3.87	13.66	34.77
			H	19.90	5.09	-3.87	21.13	34.77
BAND 12 BW: 10M 16QAM RB: 1,0	704.0	23060	V	13.32	5.06	-3.82	14.56	34.77
			H	19.19	5.06	-3.82	20.43	34.77
	707.5	23095	V	13.86	5.07	-3.83	15.10	34.77
			H	19.43	5.07	-3.83	20.67	34.77
	711.0	23130	V	14.23	5.07	-3.84	15.46	34.77
			H	19.82	5.07	-3.84	21.05	34.77
BAND 12 BW: 10M 16QAM RB: 1,49	704.0	23060	V	14.10	5.08	-3.85	15.33	34.77
			H	19.89	5.09	-3.87	21.12	34.77
	707.5	23095	V	13.66	5.08	-3.86	14.89	34.77
			H	20.01	5.08	-3.86	21.23	34.77
	711.0	23130	V	12.48	5.09	-3.87	13.70	34.77
			H	19.83	5.09	-3.87	21.06	34.77

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
BAND 12 BW: 10M 64QAM RB: 1,0	704.0	23060	V	13.26	5.05	-3.82	14.49	34.77
			H	19.06	5.05	-3.82	20.30	34.77
	707.5	23095	V	13.77	5.07	-3.83	15.00	34.77
			H	19.32	5.07	-3.83	20.56	34.77
	711.0	23130	V	14.18	5.07	-3.84	15.41	34.77
			H	19.67	5.07	-3.84	20.91	34.77
BAND 12 BW: 10M 64QAM RB: 1,49	704.0	23060	V	14.02	5.08	-3.85	15.25	34.77
			H	19.74	5.08	-3.85	20.97	34.77
	707.5	23095	V	13.63	5.08	-3.86	14.86	34.77
			H	19.91	5.09	-3.86	21.13	34.77
	711.0	23130	V	12.46	5.09	-3.87	13.68	34.77
			H	19.87	5.09	-3.87	21.09	34.77

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 17 BW: 5M QPSK RB: 1,0	706.5	23755	V	12.76	5.07	-3.83	13.99	36.99
			H	18.91	5.07	-3.83	20.14	36.99
	710.0	23790	V	12.41	5.08	-3.84	13.64	36.99
			H	18.72	5.08	-3.84	19.95	36.99
	713.5	23825	V	12.62	5.08	-3.85	13.85	36.99
			H	19.31	5.08	-3.85	20.54	36.99
BAND 17 BW: 5M QPSK RB: 1,24	706.5	23755	V	12.42	5.08	-3.85	13.65	36.99
			H	18.77	5.08	-3.85	20.00	36.99
	710.0	23790	V	12.77	5.08	-3.86	14.00	36.99
			H	19.53	5.09	-3.86	20.76	36.99
	713.5	23825	V	11.90	5.09	-3.87	13.12	36.99
			H	19.33	5.09	-3.87	20.55	36.99
BAND 17 BW: 5M 16QAM RB: 1,0	706.5	23755	V	12.62	5.07	-3.83	13.85	36.99
			H	18.81	5.07	-3.83	20.05	36.99
	710.0	23790	V	12.23	5.08	-3.84	13.47	36.99
			H	18.53	5.08	-3.84	19.76	36.99
	713.5	23825	V	12.64	5.08	-3.85	13.87	36.99
			H	19.23	5.08	-3.85	20.46	36.99
BAND 17 BW: 5M 16QAM RB: 1,24	706.5	23755	V	12.29	5.08	-3.85	13.52	36.99
			H	18.63	5.08	-3.85	19.86	36.99
	710.0	23790	V	12.59	5.09	-3.86	13.82	36.99
			H	19.47	5.09	-3.86	20.69	36.99
	713.5	23825	V	11.80	5.09	-3.87	13.02	36.99
			H	19.29	5.09	-3.87	20.51	36.99

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 17 BW: 5M 64QAM RB: 1,0	706.5	23755	V	12.68	5.07	-3.83	13.91	36.99
			H	18.95	5.07	-3.83	20.19	36.99
	710.0	23790	V	12.25	5.08	-3.84	13.48	36.99
			H	18.56	5.08	-3.84	19.79	36.99
	713.5	23825	V	12.56	5.08	-3.85	13.79	36.99
			H	19.21	5.08	-3.86	20.44	36.99
BAND 17 BW: 5M 64QAM RB: 1,24	706.5	23755	V	12.35	5.08	-3.85	13.59	36.99
			H	18.68	5.08	-3.85	19.91	36.99
	710.0	23790	V	12.66	5.09	-3.86	13.89	36.99
			H	19.48	5.08	-3.86	20.71	36.99
	713.5	23825	V	11.94	5.09	-3.87	13.17	36.99
			H	19.33	5.09	-3.87	20.56	36.99

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 17 BW: 10M QPSK RB: 1,0	709.0	23780	V	10.98	5.06	-3.83	12.22	36.99
			H	18.96	5.07	-3.83	20.20	36.99
	710.0	23790	V	11.06	5.07	-3.84	12.30	36.99
			H	18.77	5.07	-3.84	20.00	36.99
	711.0	23800	V	10.82	5.07	-3.84	12.05	36.99
			H	18.65	5.07	-3.84	19.89	36.99
BAND 17 BW: 10M QPSK RB: 1,49	709.0	23780	V	11.63	5.09	-3.86	12.85	36.99
			H	19.52	5.09	-3.87	20.75	36.99
	710.0	23790	V	11.42	5.09	-3.86	12.65	36.99
			H	19.59	5.09	-3.86	20.81	36.99
	711.0	23800	V	11.22	5.09	-3.86	12.44	36.99
			H	19.47	5.09	-3.87	20.69	36.99
BAND 17 BW: 10M 16QAM RB: 1,0	709.0	23780	V	10.91	5.07	-3.83	12.15	36.99
			H	18.79	5.07	-3.84	20.03	36.99
	710.0	23790	V	10.80	5.07	-3.84	12.04	36.99
			H	18.63	5.07	-3.84	19.87	36.99
	711.0	23800	V	10.71	5.07	-3.84	11.94	36.99
			H	18.50	5.07	-3.84	19.73	36.99
BAND 17 BW: 10M 16QAM RB: 1,49	709.0	23780	V	11.47	5.09	-3.86	12.70	36.99
			H	19.52	5.09	-3.86	20.75	36.99
	710.0	23790	V	11.42	5.09	-3.86	12.64	36.99
			H	19.48	5.09	-3.87	20.71	36.99
	711.0	23800	V	11.10	5.09	-3.87	12.33	36.99
			H	19.29	5.09	-3.87	20.52	36.99

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 17 BW: 10M 64QAM RB: 1,0	709.0	23780	V	11.03	5.07	-3.84	12.26	36.99
			H	18.93	5.07	-3.83	20.17	36.99
	710.0	23790	V	10.94	5.07	-3.84	12.18	36.99
			H	18.78	5.07	-3.84	20.02	36.99
	711.0	23800	V	10.81	5.07	-3.84	12.04	36.99
			H	18.54	5.07	-3.84	19.78	36.99
BAND 17 BW: 10M 64QAM RB: 1,49	709.0	23780	V	11.58	5.09	-3.86	12.80	36.99
			H	19.64	5.09	-3.86	20.86	36.99
	710.0	23790	V	11.56	5.09	-3.86	12.78	36.99
			H	19.70	5.09	-3.86	20.92	36.99
	711.0	23800	V	11.21	5.09	-3.87	12.44	36.99
			H	19.46	5.09	-3.87	20.69	36.99

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
BAND 25 BW: 1.4M QPSK RB: 1,0	1850.7	26047	V	11.87	9.57	-6.86	14.59	33.01
			H	20.43	9.57	-6.86	23.15	33.01
	1882.5	26365	V	10.95	9.71	-6.92	13.73	33.01
			H	19.04	9.71	-6.92	21.83	33.01
	1914.3	26683	V	12.04	9.84	-6.98	14.90	33.01
			H	19.79	9.84	-6.98	22.65	33.01
BAND 25 BW: 1.4M QPSK RB: 1,5	1850.7	26047	V	11.22	9.58	-6.86	13.94	33.01
			H	19.93	9.58	-6.86	22.65	33.01
	1882.5	26365	V	10.99	9.71	-6.92	13.78	33.01
			H	19.17	9.71	-6.92	21.96	33.01
	1914.3	26683	V	11.93	9.84	-6.98	14.80	33.01
			H	20.07	9.85	-6.98	22.94	33.01
BAND 25 BW: 1.4M 16QAM RB: 1,0	1850.7	26047	V	11.56	9.57	-6.86	14.27	33.01
			H	19.69	9.57	-6.86	22.41	33.01
	1882.5	26365	V	11.22	9.71	-6.92	14.01	33.01
			H	19.28	9.71	-6.92	22.07	33.01
	1914.3	26683	V	12.18	9.84	-6.98	15.05	33.01
			H	19.81	9.84	-6.98	22.67	33.01
BAND 25 BW: 1.4M 16QAM RB: 1,5	1850.7	26047	V	11.41	9.58	-6.86	14.13	33.01
			H	20.05	9.58	-6.86	22.77	33.01
	1882.5	26365	V	11.31	9.71	-6.92	14.11	33.01
			H	19.42	9.71	-6.92	22.21	33.01
	1914.3	26683	V	12.20	9.85	-6.98	15.07	33.01
			H	20.30	9.85	-6.98	23.16	33.01

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
BAND 25 BW: 1.4M 64QAM RB: 1,0	1850.7	26047	V	4.97	9.58	-6.86	7.68	33.01
			H	16.85	9.57	-6.86	19.57	33.01
	1882.5	26365	V	4.80	9.71	-6.92	7.59	33.01
			H	15.25	9.71	-6.92	18.04	33.01
	1914.3	26683	V	3.13	9.83	-6.97	5.99	33.01
			H	15.48	9.84	-6.98	18.34	33.01
BAND 25 BW: 1.4M 64QAM RB: 1,5	1850.7	26047	V	4.44	9.58	-6.86	7.16	33.01
			H	17.16	9.58	-6.86	19.88	33.01
	1882.5	26365	V	4.74	9.71	-6.92	7.53	33.01
			H	15.31	9.71	-6.92	18.10	33.01
	1914.3	26683	V	2.18	9.85	-6.98	5.05	33.01
			H	14.67	9.84	-6.98	17.54	33.01

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
BAND 25 BW: 3M QPSK RB: 1,0	1851.5	26055	V	11.36	9.57	-6.86	14.08	33.01
			H	19.66	9.57	-6.86	22.38	33.01
	1882.5	26365	V	11.07	9.71	-6.92	13.86	33.01
			H	19.00	9.70	-6.92	21.79	33.01
	1913.5	26675	V	11.21	9.83	-6.97	14.07	33.01
			H	18.77	9.83	-6.97	21.63	33.01
BAND 25 BW: 3M QPSK RB: 1,14	1851.5	26055	V	9.88	9.58	-6.86	12.60	33.01
			H	18.25	9.58	-6.86	20.97	33.01
	1882.5	26365	V	10.96	9.71	-6.92	13.75	33.01
			H	19.18	9.72	-6.92	21.97	33.01
	1913.5	26675	V	19.96	9.84	-6.98	22.82	33.01
			H	11.91	9.84	-6.98	14.77	33.01
BAND 25 BW: 3M 16QAM RB: 1,0	1851.5	26055	V	11.26	9.57	-6.86	13.98	33.01
			H	19.65	9.57	-6.86	22.37	33.01
	1882.5	26365	V	11.04	9.70	-6.92	13.83	33.01
			H	19.00	9.70	-6.92	21.79	33.01
	1913.5	26675	V	11.15	9.83	-6.97	14.01	33.01
			H	18.65	9.84	-6.97	21.51	33.01
BAND 25 BW: 3M 16QAM RB: 1,14	1851.5	26055	V	9.81	9.58	-6.86	12.53	33.01
			H	18.36	9.58	-6.86	21.08	33.01
	1882.5	26365	V	10.87	9.72	-6.92	13.66	33.01
			H	19.23	9.71	-6.92	22.02	33.01
	1913.5	26675	V	11.91	9.84	-6.98	14.77	33.01
			H	19.88	9.84	-6.98	22.74	33.01

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
BAND 25 BW: 3M 64QAM RB: 1,0	1851.5	26055	V	4.07	9.57	-6.86	6.79	33.01
			H	16.90	9.57	-6.85	19.61	33.01
	1882.5	26365	V	4.43	9.70	-6.91	7.21	33.01
			H	15.20	9.70	-6.92	17.98	33.01
	1913.5	26675	V	4.55	9.83	-6.97	7.41	33.01
			H	15.39	9.83	-6.97	18.25	33.01
BAND 25 BW: 3M 64QAM RB: 1,14	1851.5	26055	V	2.85	9.59	-6.86	5.57	33.01
			H	16.23	9.58	-6.86	18.95	33.01
	1882.5	26365	V	4.29	9.71	-6.92	7.08	33.01
			H	14.93	9.71	-6.92	17.72	33.01
	1913.5	26675	V	3.63	9.83	-6.97	6.49	33.01
			H	14.81	9.84	-6.98	17.67	33.01

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
BAND 25 BW: 5M QPSK RB: 1,0	1852.5	26065	V	11.28	9.57	-6.86	14.00	33.01
			H	19.60	9.57	-6.86	22.32	33.01
	1882.5	26365	V	10.76	9.70	-6.91	13.55	33.01
			H	18.57	9.70	-6.91	21.36	33.01
	1912.5	26665	V	10.88	9.83	-6.97	13.74	33.01
			H	18.30	9.83	-6.97	21.15	33.01
BAND 25 BW: 5M QPSK RB: 1,24	1852.5	26065	V	10.62	9.59	-6.86	13.34	33.01
			H	19.13	9.59	-6.86	21.86	33.01
	1882.5	26365	V	10.60	9.72	-6.92	13.39	33.01
			H	19.21	9.72	-6.92	22.00	33.01
	1912.5	26665	V	11.93	9.84	-6.98	14.80	33.01
			H	19.87	9.84	-6.98	22.73	33.01
BAND 25 BW: 5M 16QAM RB: 1,0	1852.5	26065	V	11.17	9.57	-6.86	13.89	33.01
			H	19.60	9.57	-6.86	22.32	33.01
	1882.5	26365	V	10.79	9.70	-6.91	13.58	33.01
			H	18.59	9.70	-6.91	21.38	33.01
	1912.5	26665	V	10.85	9.82	-6.97	13.70	33.01
			H	18.47	9.83	-6.97	21.32	33.01
BAND 25 BW: 5M 16QAM RB: 1,24	1852.5	26065	V	10.62	9.59	-6.86	13.34	33.01
			H	19.13	9.59	-6.86	21.86	33.01
	1882.5	26365	V	10.58	9.72	-6.92	13.37	33.01
			H	19.24	9.72	-6.92	22.04	33.01
	1912.5	26665	V	11.91	9.84	-6.98	14.77	33.01
			H	19.93	9.84	-6.98	22.80	33.01

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
BAND 25 BW: 5M 64QAM RB: 1,0	1852.5	26065	V	3.84	9.58	-6.86	6.55	33.01
			H	16.96	9.57	-6.86	19.67	33.01
	1882.5	26365	V	4.52	9.70	-6.91	7.30	33.01
			H	15.14	9.70	-6.91	17.93	33.01
	1912.5	26665	V	4.04	9.82	-6.97	6.90	33.01
			H	15.09	9.82	-6.97	17.94	33.01
BAND 25 BW: 5M 64QAM RB: 1,24	1852.5	26065	V	2.77	9.59	-6.86	5.50	33.01
			H	16.88	9.59	-6.86	19.61	33.01
	1882.5	26365	V	4.31	9.72	-6.92	7.10	33.01
			H	14.71	9.72	-6.92	17.51	33.01
	1912.5	26665	V	2.90	9.84	-6.98	5.77	33.01
			H	14.51	9.84	-6.98	17.38	33.01

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
BAND 25 BW: 10M QPSK RB: 1,0	1855.0	26090	V	11.28	9.57	-6.86	14.00	33.01
			H	19.56	9.57	-6.86	22.28	33.01
	1882.5	26365	V	11.79	9.69	-6.91	14.57	33.01
			H	19.55	9.69	-6.91	22.33	33.01
	1910.0	26640	V	10.45	9.80	-6.96	13.29	33.01
			H	18.77	9.80	-6.96	21.61	33.01
BAND 25 BW: 10M QPSK RB: 1,49	1855.0	26090	V	11.24	9.61	-6.87	13.97	33.01
			H	19.64	9.61	-6.87	22.37	33.01
	1882.5	26365	V	9.41	9.73	-6.93	12.21	33.01
			H	18.73	9.73	-6.93	21.53	33.01
	1910.0	26640	V	11.79	9.84	-6.98	14.65	33.01
			H	19.75	9.84	-6.98	22.61	33.01
BAND 25 BW: 10M 16QAM RB: 1,0	1855.0	26090	V	11.17	9.57	-6.86	13.88	33.01
			H	19.58	9.57	-6.86	22.29	33.01
	1882.5	26365	V	11.85	9.69	-6.91	14.64	33.01
			H	19.58	9.69	-6.91	22.36	33.01
	1910.0	26640	V	10.51	9.81	-6.96	13.35	33.01
			H	18.81	9.81	-6.96	21.66	33.01
BAND 25 BW: 10M 16QAM RB: 1,49	1855.0	26090	V	11.22	9.61	-6.87	13.96	33.01
			H	19.59	9.61	-6.87	22.32	33.01
	1882.5	26365	V	9.44	9.73	-6.93	12.24	33.01
			H	18.80	9.73	-6.93	21.60	33.01
	1910.0	26640	V	11.76	9.84	-6.98	14.62	33.01
			H	19.74	9.84	-6.98	22.60	33.01

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
BAND 25 BW: 10M 64QAM RB: 1,0	1855.0	26090	V	3.84	9.57	-6.85	6.55	33.01
			H	16.94	9.58	-6.86	19.66	33.01
	1882.5	26365	V	4.83	9.69	-6.91	7.61	33.01
			H	15.89	9.69	-6.91	18.67	33.01
	1910.0	26640	V	4.02	9.81	-6.96	6.86	33.01
			H	15.69	9.80	-6.96	18.54	33.01
BAND 25 BW: 10M 64QAM RB: 1,49	1855.0	26090	V	1.31	9.61	-6.87	4.05	33.01
			H	17.13	9.61	-6.87	19.86	33.01
	1882.5	26365	V	4.23	9.73	-6.93	7.03	33.01
			H	14.59	9.73	-6.93	17.39	33.01
	1910.0	26640	V	2.78	9.83	-6.97	5.64	33.01
			H	14.46	9.84	-6.98	17.32	33.01

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
BAND 25 BW: 15M QPSK RB: 1,0	1857.5	26115	V	11.23	9.57	-6.86	13.95	33.01
			H	19.61	9.58	-6.86	22.33	33.01
	1882.5	26365	V	10.90	9.68	-6.91	13.67	33.01
			H	18.78	9.68	-6.91	21.56	33.01
	1907.5	26615	V	10.29	9.79	-6.95	13.12	33.01
			H	19.90	9.79	-6.95	22.73	33.01
BAND 25 BW: 15M QPSK RB: 1,74	1857.5	26115	V	11.28	9.63	-6.88	14.03	33.01
			H	19.65	9.63	-6.88	22.40	33.01
	1882.5	26365	V	9.04	9.73	-6.93	11.85	33.01
			H	19.26	9.74	-6.93	22.06	33.01
	1907.5	26615	V	11.74	9.84	-6.98	14.61	33.01
			H	19.76	9.84	-6.98	22.62	33.01
BAND 25 BW: 15M 16QAM RB: 1,0	1857.5	26115	V	11.16	9.57	-6.86	13.88	33.01
			H	19.58	9.58	-6.86	22.30	33.01
	1882.5	26365	V	10.96	9.68	-6.91	13.74	33.01
			H	18.77	9.68	-6.91	21.55	33.01
	1907.5	26615	V	10.21	9.78	-6.95	13.04	33.01
			H	19.95	9.78	-6.95	22.78	33.01
BAND 25 BW: 15M 16QAM RB: 1,74	1857.5	26115	V	11.39	9.63	-6.88	14.14	33.01
			H	19.67	9.63	-6.88	22.42	33.01
	1882.5	26365	V	8.98	9.74	-6.93	11.78	33.01
			H	19.31	9.74	-6.93	22.12	33.01
	1907.5	26615	V	11.82	9.84	-6.98	14.68	33.01
			H	19.73	9.84	-6.98	22.60	33.01

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
BAND 25 BW: 15M 64QAM RB: 1,0	1857.5	26115	V	3.75	9.57	-6.85	6.47	33.01
			H	17.00	9.58	-6.86	19.72	33.01
	1882.5	26365	V	4.09	9.68	-6.90	6.86	33.01
			H	15.61	9.68	-6.90	18.38	33.01
	1907.5	26615	V	4.47	9.78	-6.95	7.30	33.01
			H	16.02	9.79	-6.95	18.86	33.01
BAND 25 BW: 15M 64QAM RB: 1,74	1857.5	26115	V	1.13	9.63	-6.88	3.88	33.01
			H	16.72	9.63	-6.88	19.47	33.01
	1882.5	26365	V	3.52	9.74	-6.93	6.33	33.01
			H	14.12	9.74	-6.93	16.93	33.01
	1907.5	26615	V	2.89	9.84	-6.98	5.76	33.01
			H	14.32	9.84	-6.98	17.18	33.01

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
BAND 25 BW: 20M QPSK RB: 1,0	1860.0	26140	V	11.37	9.58	-6.86	14.09	33.01
			H	19.71	9.58	-6.86	22.43	33.01
	1882.5	26365	V	10.29	9.67	-6.90	13.06	33.01
			H	18.20	9.67	-6.90	20.97	33.01
	1905.0	26590	V	7.85	9.77	-6.94	10.68	33.01
			H	18.79	9.77	-6.94	21.61	33.01
BAND 25 BW: 20M QPSK RB: 1,99	1860.0	26140	V	10.18	9.65	-6.89	12.94	33.01
			H	18.43	9.65	-6.89	21.19	33.01
	1882.5	26365	V	8.16	9.75	-6.94	10.97	33.01
			H	19.17	9.75	-6.94	21.99	33.01
	1905.0	26590	V	11.88	9.84	-6.98	14.75	33.01
			H	19.75	9.84	-6.98	22.61	33.01
BAND 25 BW: 20M 16QAM RB: 1,0	1860.0	26140	V	11.23	9.58	-6.86	13.95	33.01
			H	19.67	9.58	-6.86	22.39	33.01
	1882.5	26365	V	10.26	9.67	-6.90	13.03	33.01
			H	18.15	9.67	-6.90	20.92	33.01
	1905.0	26590	V	7.81	9.77	-6.94	10.63	33.01
			H	18.79	9.77	-6.94	21.61	33.01
BAND 25 BW: 20M 16QAM RB: 1,99	1860.0	26140	V	10.14	9.65	-6.89	12.90	33.01
			H	18.36	9.65	-6.89	21.12	33.01
	1882.5	26365	V	8.12	9.75	-6.93	10.94	33.01
			H	19.17	9.75	-6.93	21.98	33.01
	1905.0	26590	V	11.80	9.84	-6.98	14.66	33.01
			H	19.70	9.84	-6.98	22.56	33.01

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
BAND 25 BW: 20M 64QAM RB: 1,0	1860.0	26140	V	4.04	9.57	-6.86	6.75	33.01
			H	16.95	9.58	-6.86	19.67	33.01
	1882.5	26365	V	2.78	9.67	-6.90	5.55	33.01
			H	15.06	9.67	-6.90	17.83	33.01
	1905.0	26590	V	4.17	9.76	-6.94	6.99	33.01
			H	15.02	9.77	-6.94	17.84	33.01
BAND 25 BW: 20M 64QAM RB: 1,99	1860.0	26140	V	0.96	9.65	-6.89	3.72	33.01
			H	15.31	9.65	-6.89	18.07	33.01
	1882.5	26365	V	4.08	9.74	-6.93	6.89	33.01
			H	15.06	9.75	-6.93	17.87	33.01
	1905.0	26590	V	3.51	9.85	-6.98	6.38	33.01
			H	15.26	9.84	-6.98	18.12	33.01

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
BAND 26 BW: 1.4M QPSK RB: 1,0	824.7	26797	V	15.02	5.14	-4.18	15.98	38.50
			H	15.23	5.14	-4.18	16.19	38.50
	836.5	26915	V	12.87	5.10	-4.22	13.75	38.50
			H	13.74	5.10	-4.22	14.62	38.50
	848.3	27033	V	12.44	5.06	-4.27	13.23	38.50
			H	8.90	5.06	-4.27	9.69	38.50
BAND 26 BW: 1.4M QPSK RB: 1,5	824.7	26797	V	14.91	5.13	-4.18	15.86	38.50
			H	15.32	5.13	-4.18	16.27	38.50
	836.5	26915	V	12.84	5.10	-4.23	13.71	38.50
			H	13.48	5.10	-4.23	14.35	38.50
	848.3	27033	V	12.25	5.06	-4.26	13.04	38.50
			H	8.58	5.06	-4.26	9.37	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,0	824.7	26797	V	15.07	5.13	-4.18	16.03	38.50
			H	15.33	5.13	-4.18	16.29	38.50
	836.5	26915	V	12.93	5.10	-4.22	13.81	38.50
			H	12.45	5.10	-4.22	13.33	38.50
	848.3	27033	V	12.46	5.06	-4.26	13.26	38.50
			H	9.00	5.06	-4.26	9.80	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,5	824.7	26797	V	15.05	5.13	-4.18	16.00	38.50
			H	15.43	5.13	-4.18	16.38	38.50
	836.5	26915	V	12.84	5.09	-4.23	13.71	38.50
			H	12.18	5.09	-4.23	13.05	38.50
	848.3	27033	V	12.27	5.06	-4.26	13.06	38.50
			H	8.57	5.06	-4.26	9.37	38.50

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
BAND 26 BW: 1.4M 64QAM RB: 1,0	824.7	26797	V	15.12	5.14	-4.18	16.08	38.50
			H	15.09	5.14	-4.18	16.05	38.50
	836.5	26915	V	12.92	5.10	-4.23	13.79	38.50
			H	12.48	5.10	-4.23	13.35	38.50
	848.3	27033	V	12.55	5.06	-4.26	13.35	38.50
			H	8.91	5.06	-4.26	9.71	38.50
BAND 26 BW: 1.4M 64QAM RB: 1,5	824.7	26797	V	14.80	5.13	-4.18	15.75	38.50
			H	15.22	5.13	-4.18	16.17	38.50
	836.5	26915	V	12.87	5.09	-4.23	13.74	38.50
			H	12.26	5.09	-4.23	13.12	38.50
	848.3	27033	V	12.29	5.06	-4.27	13.08	38.50
			H	8.61	5.06	-4.27	9.40	38.50

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
BAND 26 BW: 3M QPSK RB: 1,0	825.5	26805	V	14.88	5.14	-4.18	15.83	38.50
			H	22.01	5.14	-4.18	22.97	38.50
	836.5	26915	V	13.01	5.10	-4.22	13.89	38.50
			H	21.41	5.10	-4.22	22.29	38.50
	847.5	27025	V	12.82	5.06	-4.26	13.63	38.50
			H	22.49	5.06	-4.26	23.30	38.50
BAND 26 BW: 3M QPSK RB: 1,14	825.5	26805	V	14.55	5.13	-4.19	15.49	38.50
			H	22.05	5.13	-4.19	22.99	38.50
	836.5	26915	V	12.98	5.09	-4.23	13.84	38.50
			H	22.71	5.09	-4.23	23.57	38.50
	847.5	27025	V	12.31	5.06	-4.26	13.11	38.50
			H	21.87	5.06	-4.26	22.66	38.50
BAND 26 BW: 3M 16QAM RB: 1,0	825.5	26805	V	14.92	5.14	-4.18	15.88	38.50
			H	21.96	5.14	-4.18	22.92	38.50
	836.5	26915	V	13.09	5.10	-4.22	13.97	38.50
			H	21.45	5.10	-4.22	22.33	38.50
	847.5	27025	V	12.79	5.06	-4.26	13.60	38.50
			H	22.52	5.06	-4.26	23.32	38.50
BAND 26 BW: 3M 16QAM RB: 1,14	825.5	26805	V	14.56	5.13	-4.19	15.50	38.50
			H	22.07	5.13	-4.19	23.01	38.50
	836.5	26915	V	13.00	5.09	-4.23	13.87	38.50
			H	21.51	5.09	-4.23	22.37	38.50
	847.5	27025	V	12.37	5.06	-4.26	13.16	38.50
			H	21.93	5.06	-4.26	22.73	38.50

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
BAND 26 BW: 3M 64QAM RB: 1,0	825.5	26805	V	14.88	5.14	-4.18	15.84	38.50
			H	21.95	5.14	-4.18	22.91	38.50
	836.5	26915	V	13.12	5.10	-4.22	14.00	38.50
			H	21.44	5.10	-4.22	22.31	38.50
	847.5	27025	V	12.81	5.06	-4.26	13.61	38.50
			H	22.51	5.06	-4.26	23.31	38.50
BAND 26 BW: 3M 64QAM RB: 1,14	825.5	26805	V	14.53	5.13	-4.19	15.47	38.50
			H	22.03	5.13	-4.19	22.97	38.50
	836.5	26915	V	12.98	5.09	-4.23	13.84	38.50
			H	21.50	5.09	-4.23	22.36	38.50
	847.5	27025	V	12.37	5.06	-4.27	13.16	38.50
			H	21.97	5.06	-4.27	22.76	38.50

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
BAND 26 BW: 5M QPSK RB: 1,0	826.5	26815	V	14.90	5.14	-4.18	15.86	38.50
			H	22.01	5.14	-4.18	22.96	38.50
	836.5	26915	V	13.26	5.10	-4.22	14.15	38.50
			H	21.46	5.10	-4.22	22.35	38.50
	846.5	27015	V	12.09	5.07	-4.25	12.91	38.50
			H	21.48	5.07	-4.25	22.30	38.50
BAND 26 BW: 5M QPSK RB: 1,24	826.5	26815	V	14.59	5.12	-4.19	15.52	38.50
			H	22.15	5.12	-4.19	23.08	38.50
	836.5	26915	V	13.08	5.09	-4.23	13.94	38.50
			H	21.68	5.09	-4.23	22.54	38.50
	846.5	27015	V	12.47	5.05	-4.27	13.26	38.50
			H	21.98	5.05	-4.27	22.77	38.50
BAND 26 BW: 5M 16QAM RB: 1,0	826.5	26815	V	14.75	5.14	-4.18	15.71	38.50
			H	21.99	5.14	-4.18	22.95	38.50
	836.5	26915	V	13.26	5.10	-4.22	14.15	38.50
			H	21.49	5.10	-4.22	22.38	38.50
	846.5	27015	V	12.10	5.07	-4.25	12.91	38.50
			H	21.55	5.07	-4.25	22.37	38.50
BAND 26 BW: 5M 16QAM RB: 1,24	826.5	26815	V	14.75	5.14	-4.18	15.71	38.50
			H	21.99	5.14	-4.18	22.95	38.50
	836.5	26915	V	13.26	5.10	-4.22	14.15	38.50
			H	21.49	5.10	-4.22	22.38	38.50
	846.5	27015	V	12.10	5.07	-4.25	12.91	38.50
			H	21.55	5.07	-4.25	22.37	38.50

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
BAND 26 BW: 5M 64QAM RB: 1,0	826.5	26815	V	14.77	5.14	-4.18	15.73	38.50
			H	22.03	5.14	-4.18	22.99	38.50
	836.5	26915	V	13.26	5.10	-4.22	14.14	38.50
			H	21.54	5.10	-4.22	22.42	38.50
	846.5	27015	V	12.15	5.07	-4.25	12.97	38.50
			H	21.60	5.07	-4.25	22.42	38.50
BAND 26 BW: 5M 64QAM RB: 1,24	826.5	26815	V	14.57	5.12	-4.20	15.50	38.50
			H	22.17	5.12	-4.20	23.10	38.50
	836.5	26915	V	13.08	5.09	-4.23	13.93	38.50
			H	21.74	5.09	-4.23	22.59	38.50
	846.5	27015	V	12.44	5.06	-4.26	13.24	38.50
			H	22.01	5.06	-4.26	22.81	38.50

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
BAND 26 BW: 10M QPSK RB: 1,0	829.0	26840	V	14.83	5.13	-4.18	15.79	38.50
			H	22.07	5.13	-4.18	23.02	38.50
	836.5	26915	V	14.94	5.11	-4.21	15.85	38.50
			H	22.39	5.11	-4.21	23.29	38.50
	844.0	26990	V	13.56	5.09	-4.24	14.41	38.50
			H	22.28	5.09	-4.24	23.13	38.50
BAND 26 BW: 10M QPSK RB: 1,49	829.0	26840	V	14.25	5.11	-4.21	15.14	38.50
			H	21.96	5.11	-4.21	22.85	38.50
	836.5	26915	V	13.17	5.08	-4.24	14.01	38.50
			H	22.12	5.08	-4.24	22.96	38.50
	844.0	26990	V	14.00	5.06	-4.26	14.79	38.50
			H	22.22	5.06	-4.26	23.02	38.50
BAND 26 BW: 10M 16QAM RB: 1,0	829.0	26840	V	15.03	5.14	-4.18	15.99	38.50
			H	21.92	5.14	-4.18	22.88	38.50
	836.5	26915	V	14.78	5.11	-4.21	15.69	38.50
			H	22.15	5.11	-4.21	23.05	38.50
	844.0	26990	V	12.93	5.09	-4.24	13.77	38.50
			H	22.05	5.09	-4.24	22.89	38.50
BAND 26 BW: 10M 16QAM RB: 1,49	829.0	26840	V	14.33	5.11	-4.21	15.22	38.50
			H	21.78	5.11	-4.21	22.67	38.50
	836.5	26915	V	12.62	5.08	-4.24	13.46	38.50
			H	21.96	5.08	-4.24	22.80	38.50
	844.0	26990	V	13.81	5.06	-4.27	14.60	38.50
			H	22.12	5.06	-4.27	22.91	38.50

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
BAND 26 BW: 10M 64QAM RB: 1,0	829.0	26840	V	15.35	5.14	-4.18	16.30	38.50
			H	21.84	5.14	-4.18	22.80	38.50
	836.5	26915	V	14.75	5.11	-4.21	15.65	38.50
			H	22.18	5.11	-4.21	23.08	38.50
	844.0	26990	V	12.63	5.09	-4.24	13.48	38.50
			H	22.07	5.09	-4.24	22.92	38.50
BAND 26 BW: 10M 64QAM RB: 1,49	829.0	26840	V	14.20	5.11	-4.21	15.10	38.50
			H	21.84	5.11	-4.21	22.73	38.50
	836.5	26915	V	12.42	5.08	-4.24	13.26	38.50
			H	22.05	5.08	-4.24	22.89	38.50
	844.0	26990	V	13.70	5.06	-4.26	14.49	38.50
			H	22.16	5.06	-4.26	22.95	38.50

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
BAND 26 BW: 15M QPSK RB: 1,0	831.5	26865	V	15.49	5.13	-4.18	16.45	38.50
			H	21.98	5.13	-4.18	22.94	38.50
	836.5	26915	V	15.33	5.12	-4.20	16.24	38.50
			H	22.22	5.12	-4.20	23.14	38.50
	841.5	26965	V	13.14	5.10	-4.22	14.03	38.50
			H	21.61	5.10	-4.22	22.49	38.50
BAND 26 BW: 15M QPSK RB: 1,74	831.5	26865	V	12.66	5.09	-4.23	13.52	38.50
			H	21.57	5.09	-4.23	22.43	38.50
	836.5	26915	V	11.96	5.07	-4.25	12.78	38.50
			H	21.95	5.07	-4.25	22.77	38.50
	841.5	26965	V	13.71	5.06	-4.26	14.50	38.50
			H	22.16	5.06	-4.26	22.95	38.50
BAND 26 BW: 15M 16QAM RB: 1,0	831.5	26865	V	15.32	5.14	-4.18	16.28	38.50
			H	21.92	5.14	-4.18	22.88	38.50
	836.5	26915	V	15.46	5.12	-4.20	16.38	38.50
			H	22.25	5.12	-4.20	23.17	38.50
	841.5	26965	V	13.17	5.10	-4.22	14.05	38.50
			H	21.63	5.10	-4.22	22.51	38.50
BAND 26 BW: 15M 16QAM RB: 1,74	831.5	26865	V	12.84	5.09	-4.23	13.70	38.50
			H	21.61	5.09	-4.23	22.46	38.50
	836.5	26915	V	12.04	5.07	-4.25	12.86	38.50
			H	21.99	5.07	-4.25	22.81	38.50
	841.5	26965	V	13.73	5.06	-4.26	14.52	38.50
			H	22.19	5.06	-4.26	22.98	38.50

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
BAND 26 BW: 15M 64QAM RB: 1,0	831.5	26865	V	15.36	5.14	-4.18	16.32	38.50
			H	21.90	5.14	-4.18	22.85	38.50
	836.5	26915	V	15.38	5.12	-4.20	16.30	38.50
			H	22.24	5.12	-4.20	23.16	38.50
	841.5	26965	V	13.17	5.10	-4.22	14.06	38.50
			H	21.64	5.10	-4.22	22.52	38.50
BAND 26 BW: 15M 64QAM RB: 1,74	831.5	26865	V	13.81	5.09	-4.23	14.68	38.50
			H	21.62	5.09	-4.23	22.48	38.50
	836.5	26915	V	12.08	5.07	-4.25	12.90	38.50
			H	22.00	5.07	-4.25	22.83	38.50
	841.5	26965	V	13.71	5.06	-4.26	14.51	38.50
			H	22.22	5.06	-4.26	23.02	38.50

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
BAND 26 BW: 1.4M QPSK RB: 1,0 (Part 90S)	814.7	26697	V	12.20	5.17	-4.14	13.22	50.00
			H	20.14	5.17	-4.14	21.17	50.00
	819.0	26740	V	4.50	5.15	-4.16	5.49	50.00
			H	19.57	5.16	-4.16	20.56	50.00
	823.3	26783	V	8.21	5.14	-4.17	9.18	50.00
			H	20.60	5.14	-4.17	21.57	50.00
BAND 26 BW: 1.4M QPSK RB: 1,5 (Part 90S)	814.7	26697	V	1.77	5.17	-4.15	2.78	50.00
			H	19.77	5.17	-4.15	20.79	50.00
	819.0	26740	V	5.24	5.15	-4.16	6.23	50.00
			H	19.62	5.15	-4.16	20.61	50.00
	823.3	26783	V	8.46	5.14	-4.18	9.42	50.00
			H	20.75	5.14	-4.17	21.71	50.00
BAND 26 BW: 1.4M 16QAM RB: 1,0 (Part 90S)	814.7	26697	V	0.50	5.17	-4.14	1.53	50.00
			H	19.83	5.17	-4.14	20.85	50.00
	819.0	26740	V	4.43	5.16	-4.16	5.42	50.00
			H	19.60	5.16	-4.16	20.60	50.00
	823.3	26783	V	8.04	5.14	-4.18	9.00	50.00
			H	20.61	5.14	-4.17	21.58	50.00
BAND 26 BW: 1.4M 16QAM RB: 1,5 (Part 90S)	814.7	26697	V	1.56	5.17	-4.15	2.58	50.00
			H	19.78	5.17	-4.15	20.80	50.00
	819.0	26740	V	5.26	5.15	-4.16	6.25	50.00
			H	19.63	5.15	-4.16	20.63	50.00
	823.3	26783	V	8.51	5.14	-4.18	9.47	50.00
			H	20.84	5.14	-4.18	21.80	50.00

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
BAND 26 BW: 1.4M 64QAM RB: 1,0 (Part 90S)	814.7	26697	V	0.56	5.17	-4.14	1.59	50.00
			H	19.83	5.17	-4.14	20.86	50.00
	819.0	26740	V	4.88	5.16	-4.15	5.89	50.00
			H	19.58	5.16	-4.16	20.58	50.00
	823.3	26783	V	8.33	5.14	-4.17	9.29	50.00
			H	20.61	5.14	-4.17	21.57	50.00
BAND 26 BW: 1.4M 64QAM RB: 1,5 (Part 90S)	814.7	26697	V	2.19	5.16	-4.15	3.20	50.00
			H	19.82	5.17	-4.15	20.84	50.00
	819.0	26740	V	5.64	5.15	-4.16	6.63	50.00
			H	19.67	5.15	-4.16	20.66	50.00
	823.3	26783	V	8.54	5.14	-4.17	9.51	50.00
			H	20.71	5.14	-4.18	21.68	50.00

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
BAND 26 BW: 3M QPSK RB: 1,0 (Part 90S)	815.5	26705	V	12.31	5.17	-4.14	13.34	50.00
			H	8.87	5.17	-4.14	9.90	50.00
	819.0	26740	V	12.05	5.16	-4.15	13.05	50.00
			H	8.99	5.16	-4.15	10.00	50.00
	822.5	26775	V	12.96	5.15	-4.16	13.95	50.00
			H	11.14	5.15	-4.17	12.13	50.00
BAND 26 BW: 3M QPSK RB: 1,14 (Part 90S)	815.5	26705	V	12.10	5.16	-4.15	13.12	50.00
			H	8.88	5.16	-4.15	9.89	50.00
	819.0	26740	V	12.47	5.15	-4.16	13.46	50.00
			H	9.06	5.15	-4.16	10.05	50.00
	822.5	26775	V	13.29	5.14	-4.18	14.25	50.00
			H	9.46	5.14	-4.17	10.43	50.00
BAND 26 BW: 3M 16QAM RB: 1,0 (Part 90S)	815.5	26705	V	12.21	5.17	-4.14	13.23	50.00
			H	8.72	5.17	-4.14	9.75	50.00
	819.0	26740	V	11.93	5.16	-4.15	12.94	50.00
			H	8.87	5.16	-4.15	9.88	50.00
	822.5	26775	V	12.85	5.15	-4.17	13.83	50.00
			H	9.23	5.15	-4.17	10.21	50.00
BAND 26 BW: 3M 16QAM RB: 1,14 (Part 90S)	815.5	26705	V	7.87	5.16	-4.15	8.88	50.00
			H	14.44	5.16	-4.15	15.45	50.00
	819.0	26740	V	7.98	5.15	-4.16	8.97	50.00
			H	14.87	5.15	-4.16	15.86	50.00
	822.5	26775	V	7.61	5.14	-4.18	8.57	50.00
			H	14.95	5.14	-4.17	15.92	50.00

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
BAND 26 BW: 3M 64QAM RB: 1,0 (Part 90S)	815.5	26705	V	8.28	5.17	-4.14	9.31	50.00
			H	14.06	5.17	-4.14	15.09	50.00
	819.0	26740	V	7.73	5.16	-4.15	8.74	50.00
			H	14.40	5.16	-4.15	15.40	50.00
	822.5	26775	V	7.92	5.14	-4.17	8.89	50.00
			H	14.99	5.15	-4.16	15.97	50.00
BAND 26 BW: 3M 64QAM RB: 1,14 (Part 90S)	815.5	26705	V	7.92	5.16	-4.15	8.93	50.00
			H	14.37	5.16	-4.15	15.38	50.00
	819.0	26740	V	7.95	5.15	-4.16	8.94	50.00
			H	14.81	5.15	-4.16	15.80	50.00
	822.5	26775	V	7.65	5.14	-4.18	8.61	50.00
			H	14.86	5.14	-4.17	15.83	50.00

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
BAND 26 BW: 5M QPSK RB: 1,0 (Part 90S)	816.5	26715	V	8.17	5.17	-4.15	9.19	50.00
			H	13.93	5.17	-4.14	14.96	50.00
	819.0	26740	V	7.72	5.16	-4.15	8.74	50.00
			H	14.20	5.16	-4.15	15.22	50.00
	821.5	26765	V	7.74	5.15	-4.16	8.74	50.00
			H	14.53	5.16	-4.16	15.53	50.00
BAND 26 BW: 5M QPSK RB: 1,24 (Part 90S)	816.5	26715	V	7.63	5.16	-4.16	8.63	50.00
			H	14.40	5.16	-4.16	15.40	50.00
	819.0	26740	V	7.81	5.15	-4.17	8.79	50.00
			H	14.77	5.15	-4.16	15.76	50.00
	821.5	26765	V	7.63	5.14	-4.17	8.60	50.00
			H	14.75	5.14	-4.18	15.72	50.00
BAND 26 BW: 5M 16QAM RB: 1,0 (Part 90S)	816.5	26715	V	8.15	5.17	-4.15	9.18	50.00
			H	13.93	5.17	-4.14	14.96	50.00
	819.0	26740	V	7.77	5.16	-4.15	8.78	50.00
			H	14.16	5.16	-4.15	15.17	50.00
	821.5	26765	V	7.80	5.15	-4.16	8.80	50.00
			H	14.63	5.15	-4.16	15.62	50.00
BAND 26 BW: 5M 16QAM RB: 1,24 (Part 90S)	816.5	26715	V	7.70	5.15	-4.16	8.70	50.00
			H	14.48	5.15	-4.16	15.48	50.00
	819.0	26740	V	7.83	5.15	-4.17	8.81	50.00
			H	14.75	5.15	-4.16	15.74	50.00
	821.5	26765	V	7.53	5.14	-4.17	8.50	50.00
			H	14.93	5.14	-4.17	15.89	50.00

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
BAND 26 BW: 5M 64QAM RB: 1,0 (Part 90S)	816.5	26715	V	8.13	5.17	-4.15	9.15	50.00
			H	14.00	5.17	-4.14	15.02	50.00
	819.0	26740	V	7.75	5.16	-4.15	8.77	50.00
			H	14.14	5.16	-4.15	15.15	50.00
	821.5	26765	V	7.74	5.15	-4.16	8.73	50.00
			H	14.58	5.16	-4.16	15.58	50.00
BAND 26 BW: 5M 64QAM RB: 1,24 (Part 90S)	816.5	26715	V	7.64	5.15	-4.16	8.63	50.00
			H	14.44	5.16	-4.16	15.44	50.00
	819.0	26740	V	7.81	5.15	-4.17	8.79	50.00
			H	14.81	5.15	-4.17	15.79	50.00
	821.5	26765	V	7.51	5.14	-4.18	8.46	50.00
			H	14.74	5.14	-4.18	15.70	50.00

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
BAND 26 BW: 10M QPSK RB: 1,0 (Part 90S)	819.0	26740	V	13.42	5.17	-4.14	14.45	50.00
			H	20.78	5.17	-4.14	21.81	50.00
BAND 26 BW: 10M QPSK RB: 1,49 (Part 90S)	819.0	26740	V	12.12	5.14	-4.18	13.08	50.00
			H	21.58	5.14	-4.18	22.54	50.00
BAND 26 BW: 10M 16QAM RB: 1,0 (Part 90S)	819.0	26740	V	13.49	5.17	-4.14	14.52	50.00
			H	20.55	5.17	-4.14	21.58	50.00
BAND 26 BW: 10M 16QAM RB: 1,99 (Part 90S)	819.0	26740	V	12.02	5.14	-4.17	12.98	50.00
			H	21.57	5.14	-4.17	22.53	50.00

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
BAND 26 BW: 10M 64QAM RB: 1,0 (Part 90S)	819.0	26740	V	13.31	5.17	-4.14	14.34	50.00
			H	20.91	5.17	-4.14	21.94	50.00
BAND 26 BW: 10M 64QAM RB: 1,99 (Part 90S)	819.0	26740	V	11.91	5.14	-4.18	12.87	50.00
			H	21.49	5.14	-4.18	22.45	50.00

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
BAND 30 BW: 5M QPSK RB: 1,0	2307.5	27685	V	12.52	10.51	-7.59	15.44	34.77
			H	19.17	10.51	-7.59	22.09	34.77
	2310.0	27710	V	11.47	10.51	-7.59	14.39	34.77
			H	19.42	10.51	-7.59	22.34	34.77
	2312.5	27735	V	10.28	10.51	-7.59	13.20	34.77
			H	18.17	10.51	-7.59	21.09	34.77
BAND 30 BW: 5M QPSK RB: 1,24	2307.5	27685	V	10.04	10.51	-7.59	12.96	34.77
			H	18.00	10.51	-7.59	20.92	34.77
	2310.0	27710	V	9.82	10.51	-7.60	12.74	34.77
			H	18.08	10.51	-7.60	21.00	34.77
	2312.5	27735	V	9.40	10.52	-7.60	12.32	34.77
			H	18.01	10.52	-7.60	20.92	34.77
BAND 30 BW: 5M 16QAM RB: 1,0	2307.5	27685	V	11.47	10.51	-7.59	14.39	34.77
			H	18.98	10.51	-7.59	21.90	34.77
	2310.0	27710	V	11.06	10.51	-7.59	13.98	34.77
			H	19.14	10.51	-7.59	22.06	34.77
	2312.5	27735	V	9.88	10.51	-7.59	12.80	34.77
			H	18.00	10.51	-7.59	20.92	34.77
BAND 30 BW: 5M 16QAM RB: 1,24	2307.5	27685	V	9.98	10.51	-7.59	12.90	34.77
			H	18.13	10.51	-7.59	21.04	34.77
	2310.0	27710	V	9.85	10.51	-7.60	12.77	34.77
			H	18.03	10.51	-7.60	20.95	34.77
	2312.5	27735	V	9.62	10.52	-7.60	12.54	34.77
			H	18.03	10.52	-7.60	20.95	34.77

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
BAND 30 BW: 5M 64QAM RB: 1,0	2307.5	27685	V	11.32	10.51	-7.59	14.24	34.77
			H	19.74	10.51	-7.59	22.65	34.77
	2310.0	27710	V	10.72	10.51	-7.59	13.64	34.77
			H	19.56	10.51	-7.59	22.48	34.77
	2312.5	27735	V	10.95	10.51	-7.59	13.87	34.77
			H	19.52	10.51	-7.59	22.44	34.77
BAND 30 BW: 5M 64QAM RB: 1,24	2307.5	27685	V	10.77	10.51	-7.59	13.69	34.77
			H	19.62	10.51	-7.59	22.54	34.77
	2310.0	27710	V	10.20	10.51	-7.59	13.12	34.77
			H	18.87	10.51	-7.60	21.79	34.77
	2312.5	27735	V	10.29	10.51	-7.60	13.20	34.77
			H	19.18	10.52	-7.60	22.09	34.77

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
BAND 30 BW: 10M QPSK RB: 1,0	2310.0	27710	V	11.30	10.51	-7.59	14.22	34.77
			H	18.92	10.51	-7.59	21.83	34.77
BAND 30 BW: 10M QPSK RB: 1,99	2310.0	27710	V	9.35	10.51	-7.60	12.26	34.77
			H	17.92	10.51	-7.60	20.84	34.77
BAND 30 BW: 10M 16QAM RB: 1,0	2310.0	27710	V	11.40	10.51	-7.59	14.32	34.77
			H	18.91	10.51	-7.59	21.83	34.77
BAND 30 BW: 10M 16QAM RB: 1,99	2310.0	27710	V	9.48	10.51	-7.60	12.40	34.77
			H	17.93	10.51	-7.60	20.84	34.77

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
BAND 30 BW: 10M 64QAM RB: 1,0	2310.0	27710	V	10.74	10.51	-7.59	13.66	34.77
			H	19.55	10.51	-7.59	22.47	34.77
BAND 30 BW: 10M 64QAM RB: 1,99	2310.0	27710	V	10.21	10.51	-7.60	13.12	34.77
			H	18.93	10.51	-7.60	21.84	34.77

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 5M QPSK RB: 1,0	2572.5	37775	V	9.83	10.78	-7.91	12.71	33.00
			H	19.23	10.78	-7.91	22.10	33.00
	2595.0	38000	V	8.50	10.81	-7.93	11.38	33.00
			H	17.08	10.81	-7.93	19.96	33.00
	2617.5	38225	V	8.51	10.84	-7.96	11.39	33.00
			H	16.00	10.84	-7.96	18.88	33.00
BAND 38 BW: 5M QPSK RB: 1,24	2572.5	37775	V	10.01	10.79	-7.91	12.88	33.00
			H	18.90	10.79	-7.91	21.78	33.00
	2595.0	38000	V	8.97	10.82	-7.94	11.85	33.00
			H	17.99	10.82	-7.94	20.87	33.00
	2617.5	38225	V	9.00	10.84	-7.96	11.88	33.00
			H	16.36	10.84	-7.96	19.25	33.00
BAND 38 BW: 5M 16QAM RB: 1,0	2572.5	37775	V	8.83	10.78	-7.91	11.71	33.00
			H	17.65	10.78	-7.91	20.52	33.00
	2595.0	38000	V	8.58	10.81	-7.93	11.46	33.00
			H	17.39	10.81	-7.93	20.27	33.00
	2617.5	38225	V	8.79	10.84	-7.96	11.67	33.00
			H	16.31	10.84	-7.96	19.20	33.00
BAND 38 BW: 5M 16QAM RB: 1,24	2572.5	37775	V	10.06	10.79	-7.91	12.94	33.00
			H	18.77	10.79	-7.91	21.64	33.00
	2595.0	38000	V	7.71	10.82	-7.94	10.59	33.00
			H	16.81	10.82	-7.94	19.69	33.00
	2617.5	38225	V	8.97	10.84	-7.96	11.86	33.00
			H	16.43	10.84	-7.96	19.31	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 5M 64QAM RB: 1,0	2572.5	37775	V	9.69	10.78	-7.91	12.56	33.00
			H	18.78	10.78	-7.91	21.66	33.00
	2595.0	38000	V	8.74	10.81	-7.93	11.62	33.00
			H	17.43	10.81	-7.93	20.31	33.00
	2617.5	38225	V	9.88	10.84	-7.96	12.77	33.00
			H	17.43	10.84	-7.96	20.31	33.00
BAND 38 BW: 5M 64QAM RB: 1,24	2572.5	37775	V	9.87	10.79	-7.91	12.75	33.00
			H	18.73	10.79	-7.91	21.61	33.00
	2595.0	38000	V	8.56	10.82	-7.94	11.44	33.00
			H	17.88	10.82	-7.94	20.76	33.00
	2617.5	38225	V	8.95	10.84	-7.96	11.83	33.00
			H	16.42	10.84	-7.96	19.30	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 10M QPSK RB: 1,0	2575.0	37800	V	8.81	10.79	-7.91	11.69	33.00
			H	19.02	10.78	-7.91	21.90	33.00
	2595.0	38000	V	9.40	10.81	-7.93	12.28	33.00
			H	18.17	10.81	-7.93	21.05	33.00
	2615.0	38200	V	9.55	10.83	-7.95	12.44	33.00
			H	18.09	10.83	-7.95	20.97	33.00
BAND 38 BW: 10M QPSK RB: 1,49	2575.0	37800	V	9.77	10.80	-7.92	12.65	33.00
			H	18.88	10.80	-7.92	21.76	33.00
	2595.0	38000	V	7.30	10.82	-7.94	10.18	33.00
			H	16.96	10.82	-7.94	19.84	33.00
	2615.0	38200	V	8.78	10.84	-7.96	11.66	33.00
			H	16.70	10.84	-7.96	19.59	33.00
BAND 38 BW: 10M 16QAM RB: 1,0	2575.0	37800	V	8.45	10.79	-7.91	11.32	33.00
			H	17.50	10.79	-7.91	20.37	33.00
	2595.0	38000	V	9.13	10.81	-7.93	12.01	33.00
			H	17.66	10.81	-7.93	20.54	33.00
	2615.0	38200	V	9.18	10.83	-7.95	12.06	33.00
			H	17.76	10.83	-7.95	20.64	33.00
BAND 38 BW: 10M 16QAM RB: 1,49	2575.0	37800	V	9.82	10.80	-7.92	12.70	33.00
			H	18.51	10.80	-7.92	21.39	33.00
	2595.0	38000	V	7.29	10.82	-7.94	10.17	33.00
			H	16.75	10.82	-7.94	19.63	33.00
	2615.0	38200	V	8.88	10.84	-7.96	11.76	33.00
			H	16.39	10.84	-7.96	19.27	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 10M 64QAM RB: 1,0	2575.0	37800	V	9.36	10.79	-7.91	12.24	33.00
			H	18.59	10.79	-7.91	21.47	33.00
	2595.0	38000	V	8.78	10.81	-7.93	11.66	33.00
			H	17.67	10.81	-7.93	20.55	33.00
	2615.0	38200	V	9.10	10.83	-7.95	11.98	33.00
			H	17.70	10.83	-7.95	20.58	33.00
BAND 38 BW: 10M 64QAM RB: 1,49	2575.0	37800	V	9.67	10.80	-7.92	12.55	33.00
			H	18.53	10.80	-7.92	21.41	33.00
	2595.0	38000	V	8.09	10.82	-7.94	10.97	33.00
			H	17.72	10.82	-7.94	20.60	33.00
	2615.0	38200	V	8.79	10.84	-7.96	11.68	33.00
			H	16.33	10.84	-7.96	19.22	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 15M QPSK RB: 1,0	2575.0	37800	V	9.86	10.79	-7.91	12.73	33.00
			H	18.75	10.79	-7.91	21.63	33.00
	2595.0	38000	V	9.32	10.81	-7.93	12.20	33.00
			H	18.59	10.81	-7.93	21.47	33.00
	2615.0	38200	V	8.72	10.83	-7.95	11.60	33.00
			H	18.33	10.83	-7.95	21.21	33.00
BAND 38 BW: 15M QPSK RB: 1,74	2575.0	37800	V	9.79	10.80	-7.92	12.66	33.00
			H	18.88	10.80	-7.92	21.76	33.00
	2595.0	38000	V	8.46	10.82	-7.94	11.34	33.00
			H	18.18	10.82	-7.94	21.06	33.00
	2615.0	38200	V	8.72	10.84	-7.96	11.60	33.00
			H	16.66	10.84	-7.96	19.55	33.00
BAND 38 BW: 15M 16QAM RB: 1,0	2575.0	37800	V	8.55	10.78	-7.91	11.43	33.00
			H	17.61	10.78	-7.91	20.49	33.00
	2595.0	38000	V	9.29	10.81	-7.93	12.17	33.00
			H	18.24	10.81	-7.93	21.11	33.00
	2615.0	38200	V	8.57	10.83	-7.95	11.45	33.00
			H	18.05	10.83	-7.95	20.93	33.00
BAND 38 BW: 15M 16QAM RB: 1,74	2575.0	37800	V	11.22	10.80	-7.92	14.10	33.00
			H	18.61	10.80	-7.92	21.49	33.00
	2595.0	38000	V	7.23	10.82	-7.94	10.11	33.00
			H	16.75	10.82	-7.94	19.63	33.00
	2615.0	38200	V	8.71	10.84	-7.96	11.59	33.00
			H	16.54	10.84	-7.96	19.43	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 15M 64QAM RB: 1,0	2575.0	37800	V	9.50	10.78	-7.91	12.38	33.00
			H	18.73	10.79	-7.91	21.60	33.00
	2595.0	38000	V	9.34	10.81	-7.93	12.22	33.00
			H	18.07	10.81	-7.93	20.95	33.00
	2615.0	38200	V	8.55	10.83	-7.95	11.43	33.00
			H	18.04	10.83	-7.95	20.92	33.00
BAND 38 BW: 15M 64QAM RB: 1,74	2575.0	37800	V	9.41	10.80	-7.92	12.28	33.00
			H	18.44	10.80	-7.92	21.32	33.00
	2595.0	38000	V	8.16	10.82	-7.94	11.04	33.00
			H	17.81	10.82	-7.94	20.69	33.00
	2615.0	38200	V	8.68	10.84	-7.96	11.56	33.00
			H	16.42	10.84	-7.96	19.30	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 20M QPSK RB: 1,0	2580.0	37850	V	9.69	10.79	-7.91	12.57	33.00
			H	18.93	10.79	-7.91	21.81	33.00
	2595.0	38000	V	9.49	10.80	-7.93	12.36	33.00
			H	18.68	10.80	-7.93	21.56	33.00
	2610.0	38150	V	8.52	10.82	-7.94	11.40	33.00
			H	18.36	10.82	-7.94	21.24	33.00
BAND 38 BW: 20M QPSK RB: 1,74	2580.0	37850	V	9.49	10.81	-7.93	12.36	33.00
			H	18.63	10.81	-7.93	21.51	33.00
	2595.0	38000	V	8.35	10.82	-7.94	11.23	33.00
			H	18.29	10.83	-7.94	21.17	33.00
	2610.0	38150	V	8.74	10.84	-7.96	11.63	33.00
			H	16.85	10.84	-7.96	19.73	33.00
BAND 38 BW: 20M 16QAM RB: 1,0	2580.0	37850	V	9.57	10.79	-7.91	12.44	33.00
			H	18.05	10.79	-7.91	20.92	33.00
	2595.0	38000	V	9.54	10.80	-7.92	12.42	33.00
			H	18.49	10.80	-7.93	21.37	33.00
	2610.0	38150	V	8.54	10.82	-7.94	11.42	33.00
			H	18.11	10.82	-7.94	20.99	33.00
BAND 38 BW: 20M 16QAM RB: 1,74	2580.0	37850	V	9.42	10.81	-7.93	12.30	33.00
			H	18.25	10.81	-7.93	21.13	33.00
	2595.0	38000	V	8.28	10.82	-7.94	11.16	33.00
			H	17.95	10.83	-7.94	20.83	33.00
	2610.0	38150	V	8.69	10.84	-7.96	11.58	33.00
			H	16.56	10.84	-7.96	19.45	33.00

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency MHz	CH	Antenna Pol. V/H	S.G. Output dBm	Antenna Gain dBi	Cable Loss dB	EIRP dBm	Limit dBm
BAND 38 BW: 20M 64QAM RB: 1,0	2580.0	37850	V	9.53	10.79	-7.91	12.41	33.00
			H	18.70	10.79	-7.91	21.58	33.00
	2595.0	38000	V	9.70	10.80	-7.92	12.58	33.00
			H	18.37	10.80	-7.92	21.25	33.00
	2610.0	38150	V	8.38	10.82	-7.94	11.26	33.00
			H	18.21	10.82	-7.94	21.09	33.00
BAND 38 BW: 20M 64QAM RB: 1,74	2580.0	37850	V	9.33	10.81	-7.93	12.21	33.00
			H	18.46	10.81	-7.93	21.33	33.00
	2595.0	38000	V	8.32	10.83	-7.94	11.20	33.00
			H	18.24	10.82	-7.94	21.12	33.00
	2610.0	38150	V	8.58	10.84	-7.96	11.47	33.00
			H	16.75	10.84	-7.96	19.63	33.00

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
BAND 41 BW: 5M QPSK RB: 1,0	2547.5	40165	V	10.89	10.70	-7.82	13.76	33.01
			H	20.47	10.70	-7.83	23.34	33.01
	2600.0	40690	V	9.76	10.81	-7.93	12.64	33.01
			H	20.01	10.81	-7.93	22.89	33.01
	2652.5	41215	V	6.04	10.92	-8.03	8.93	33.01
			H	15.91	10.92	-8.03	18.81	33.01
BAND 41 BW: 5M QPSK RB: 1,24	2547.5	40165	V	11.21	10.70	-7.83	14.08	33.01
			H	19.56	10.70	-7.83	22.43	33.01
	2600.0	40690	V	8.65	10.81	-7.93	11.53	33.01
			H	19.30	10.81	-7.93	22.18	33.01
	2652.5	41215	V	5.45	10.93	-8.03	8.35	33.01
			H	15.71	10.93	-8.03	18.61	33.01
BAND 41 BW: 5M 16QAM RB: 1,0	2547.5	40165	V	11.73	10.70	-7.83	14.60	33.01
			H	19.83	10.70	-7.83	22.70	33.01
	2600.0	40690	V	9.33	10.81	-7.93	12.21	33.01
			H	19.78	10.81	-7.93	22.66	33.01
	2652.5	41215	V	5.64	10.92	-8.03	8.54	33.01
			H	15.65	10.92	-8.03	18.55	33.01
BAND 41 BW: 5M 16QAM RB: 1,24	2547.5	40165	V	11.14	10.70	-7.83	14.01	33.01
			H	19.46	10.70	-7.83	22.33	33.01
	2600.0	40690	V	8.39	10.81	-7.94	11.27	33.01
			H	19.10	10.81	-7.94	21.98	33.01
	2652.5	41215	V	5.64	10.93	-8.03	8.54	33.01
			H	15.82	10.93	-8.03	18.72	33.01

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
BAND 41 BW: 5M 64QAM RB: 1,0	2547.5	40165	V	4.46	10.70	-7.82	7.34	33.01
			H	18.95	10.70	-7.83	21.82	33.01
	2600.0	40690	V	9.50	10.81	-7.93	12.38	33.01
			H	20.71	10.81	-7.93	23.58	33.01
	2652.5	41215	V	7.73	10.92	-8.03	10.63	33.01
			H	15.81	10.92	-8.03	18.71	33.01
BAND 41 BW: 5M 64QAM RB: 1,24	2547.5	40165	V	8.82	10.70	-7.83	11.69	33.01
			H	18.68	10.70	-7.83	21.55	33.01
	2600.0	40690	V	7.73	10.82	-7.94	10.61	33.01
			H	20.19	10.81	-7.93	23.07	33.01
	2652.5	41215	V	7.82	10.93	-8.03	10.72	33.01
			H	16.05	10.93	-8.03	18.95	33.01

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
BAND 41 BW: 10M QPSK RB: 1,0	2550.0	40190	V	8.54	10.70	-7.83	11.41	33.01
			H	19.02	10.70	-7.83	21.90	33.01
	2600.0	40690	V	9.79	10.81	-7.93	12.67	33.01
			H	20.89	10.81	-7.93	23.77	33.01
	2650.0	41190	V	8.53	10.92	-8.02	11.42	33.01
			H	16.38	10.92	-8.02	19.27	33.01
BAND 41 BW: 10M QPSK RB: 1,49	2550.0	40190	V	9.62	10.71	-7.83	12.49	33.01
			H	18.83	10.71	-7.84	21.70	33.01
	2600.0	40690	V	10.19	10.82	-7.94	13.07	33.01
			H	19.68	10.82	-7.94	22.56	33.01
	2650.0	41190	V	8.47	10.93	-8.03	11.37	33.01
			H	16.44	10.93	-8.03	19.34	33.01
BAND 41 BW: 10M 16QAM RB: 1,0	2550.0	40190	V	9.39	10.70	-7.83	12.26	33.01
			H	18.90	10.70	-7.83	21.77	33.01
	2600.0	40690	V	9.82	10.81	-7.93	12.70	33.01
			H	20.76	10.81	-7.93	23.63	33.01
	2650.0	41190	V	6.97	10.92	-8.02	9.87	33.01
			H	16.18	10.92	-8.02	19.08	33.01
BAND 41 BW: 10M 16QAM RB: 1,49	2550.0	40190	V	9.65	10.71	-7.84	12.52	33.01
			H	18.54	10.71	-7.84	21.41	33.01
	2600.0	40690	V	7.05	10.82	-7.94	9.93	33.01
			H	19.80	10.82	-7.94	22.68	33.01
	2650.0	41190	V	8.41	10.93	-8.03	11.31	33.01
			H	16.45	10.93	-8.03	19.35	33.01

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
BAND 41 BW: 10M 64QAM RB: 1,0	2550.0	40190	V	9.53	10.70	-7.83	12.40	33.01
			H	18.81	10.70	-7.83	21.68	33.01
	2600.0	40690	V	9.50	10.81	-7.93	12.38	33.01
			H	20.62	10.81	-7.93	23.50	33.01
	2650.0	41190	V	9.00	10.92	-8.02	11.90	33.01
			H	16.23	10.92	-8.02	19.13	33.01
BAND 41 BW: 10M 64QAM RB: 1,49	2550.0	40190	V	9.68	10.71	-7.84	12.55	33.01
			H	18.44	10.71	-7.84	21.31	33.01
	2600.0	40690	V	8.81	10.82	-7.94	11.69	33.01
			H	19.79	10.82	-7.94	22.67	33.01
	2650.0	41190	V	8.36	10.93	-8.03	11.26	33.01
			H	16.57	10.93	-8.03	19.47	33.01

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
BAND 41 BW: 15M QPSK RB: 1,0	2552.5	40215	V	9.76	10.70	-7.83	12.63	33.01
			H	19.00	10.70	-7.83	21.87	33.01
	2600.0	40690	V	9.39	10.80	-7.92	12.27	33.01
			H	21.12	10.80	-7.93	24.00	33.01
	2647.5	41165	V	6.55	10.91	-8.02	9.44	33.01
			H	16.12	10.91	-8.02	19.02	33.01
BAND 41 BW: 15M QPSK RB: 1,74	2552.5	40215	V	9.21	10.71	-7.84	12.08	33.01
			H	18.61	10.71	-7.84	21.48	33.01
	2600.0	40690	V	6.45	10.82	-7.94	9.33	33.01
			H	19.67	10.82	-7.94	22.55	33.01
	2647.5	41165	V	7.70	10.92	-8.03	10.60	33.01
			H	15.83	10.93	-8.03	18.73	33.01
BAND 41 BW: 15M 16QAM RB: 1,0	2552.5	40215	V	7.39	10.70	-7.82	10.26	33.01
			H	18.92	10.70	-7.83	21.79	33.01
	2600.0	40690	V	9.56	10.80	-7.93	12.44	33.01
			H	20.78	10.80	-7.92	23.66	33.01
	2647.5	41165	V	8.32	10.91	-8.02	11.21	33.01
			H	16.18	10.91	-8.02	19.07	33.01
BAND 41 BW: 15M 16QAM RB: 1,74	2552.5	40215	V	9.05	10.71	-7.84	11.93	33.01
			H	18.22	10.71	-7.84	21.09	33.01
	2600.0	40690	V	7.16	10.82	-7.94	10.04	33.01
			H	19.68	10.82	-7.94	22.56	33.01
	2647.5	41165	V	7.65	10.93	-8.03	10.55	33.01
			H	15.77	10.93	-8.03	18.67	33.01

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
BAND 41 BW: 15M 64QAM RB: 1,0	2552.5	40215	V	9.00	10.70	-7.83	11.87	33.01
			H	18.67	10.70	-7.83	21.54	33.01
	2600.0	40690	V	9.47	10.81	-7.93	12.35	33.01
			H	20.71	10.80	-7.92	23.58	33.01
	2647.5	41165	V	6.47	10.91	-8.02	9.36	33.01
			H	16.19	10.91	-8.02	19.09	33.01
BAND 41 BW: 15M 64QAM RB: 1,74	2552.5	40215	V	9.30	10.71	-7.84	12.17	33.01
			H	18.34	10.71	-7.84	21.21	33.01
	2600.0	40690	V	5.59	10.82	-7.94	8.47	33.01
			H	19.68	10.82	-7.94	22.56	33.01
	2647.5	41165	V	7.56	10.93	-8.03	10.45	33.01
			H	15.77	10.93	-8.03	18.66	33.01

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
BAND 41 BW: 20M QPSK RB: 1,0	2555.0	40240	V	7.05	10.70	-7.83	9.92	33.01
			H	18.91	10.70	-7.83	21.79	33.01
	2600.0	40690	V	9.29	10.80	-7.92	12.17	33.01
			H	21.07	10.80	-7.92	23.95	33.01
	2645.0	41140	V	6.70	10.91	-8.01	9.59	33.01
			H	16.64	10.91	-8.01	19.53	33.01
BAND 41 BW: 20M QPSK RB: 1,99	2555.0	40240	V	8.39	10.72	-7.85	11.26	33.01
			H	18.74	10.72	-7.85	21.61	33.01
	2600.0	40690	V	7.87	10.82	-7.94	10.75	33.01
			H	19.52	10.82	-7.94	22.40	33.01
	2645.0	41140	V	5.97	10.93	-8.03	8.87	33.01
			H	13.47	10.93	-8.03	16.37	33.01
BAND 41 BW: 20M 16QAM RB: 1,0	2555.0	40240	V	9.47	10.70	-7.83	12.34	33.01
			H	18.79	10.70	-7.83	21.66	33.01
	2600.0	40690	V	8.65	10.80	-7.92	11.53	33.01
			H	20.84	10.80	-7.92	23.71	33.01
	2645.0	41140	V	5.38	10.90	-8.01	8.28	33.01
			H	16.97	10.91	-8.01	19.87	33.01
BAND 41 BW: 20M 16QAM RB: 1,99	2555.0	40240	V	9.31	10.72	-7.85	12.18	33.01
			H	18.62	10.72	-7.85	21.49	33.01
	2600.0	40690	V	10.21	10.82	-7.94	13.09	33.01
			H	19.57	10.82	-7.94	22.45	33.01
	2645.0	41140	V	6.30	10.93	-8.03	9.20	33.01
			H	14.15	10.93	-8.03	17.05	33.01

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
BAND 41 BW: 20M 64QAM RB: 1,0	2555.0	40240	V	5.97	10.70	-7.83	8.84	33.01
			H	18.75	10.70	-7.83	21.62	33.01
	2600.0	40690	V	8.55	10.80	-7.92	11.43	33.01
			H	20.91	10.80	-7.92	23.79	33.01
	2645.0	41140	V	8.20	10.91	-8.01	11.09	33.01
			H	16.87	10.91	-8.01	19.77	33.01
BAND 41 BW: 20M 64QAM RB: 1,99	2555.0	40240	V	8.57	10.72	-7.85	11.44	33.01
			H	18.50	10.72	-7.85	21.37	33.01
	2600.0	40690	V	7.48	10.82	-7.94	10.37	33.01
			H	19.59	10.82	-7.94	22.47	33.01
	2645.0	41140	V	6.28	10.93	-8.03	9.18	33.01
			H	14.51	10.93	-8.03	17.40	33.01

The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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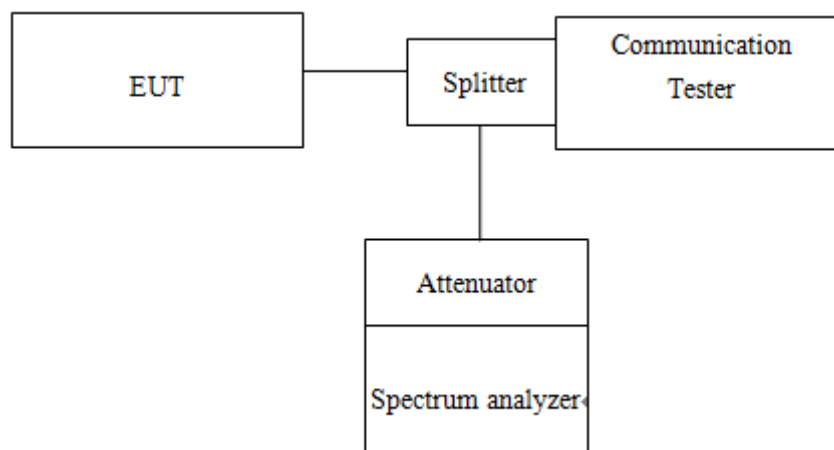
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8. OCCUPIED BANDWIDTH MEASUREMENT

8.1. Standard Applicable

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

8.2. Test Set-up



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	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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8.5. Measurement Result

Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		GSM 850	GPRS 850	EDGE 850	GSM 850	GPRS 850	EDGE 850
824.2	128	0.23919	0.24422	0.24474	0.31300	0.32070	0.31330
836.6	190	0.24343	0.24557	0.24433	0.32340	0.31410	0.31700
848.8	251	0.24431	0.24589	0.24532	0.31380	0.31870	0.31830

Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		GSM 1900	GPRS 1900	EDGE 1900	GSM 1900	GPRS 1900	EDGE 1900
1850.2	512	0.24414	0.24535	0.24446	0.31800	0.31460	0.31360
1880.0	661	0.24664	0.24869	0.24439	0.31670	0.32330	0.31720
1909.8	810	0.24117	0.24429	0.25075	0.31470	0.31620	0.32060

Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		WCDMA II	HSDPA II	HSUPA II	WCDMA II	HSDPA II	HSUPA II
1850.20	9262	4.1179	4.1223	4.1121	4.6740	4.6960	4.6880
1880.00	9400	4.1232	4.1210	4.1179	4.6910	4.6590	4.6600
1909.80	9538	4.1116	4.1163	4.1199	4.6690	4.6950	4.6840

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	4.1178	4.1273	4.1130	4.6750	4.7090	4.6630
1732.60	1413	4.1281	4.1221	4.1215	4.6620	4.6430	4.6680
1752.60	1513	4.1326	4.1319	4.1247	4.6960	4.6880	4.6840

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	4.1141	4.1202	4.1400	4.6810	4.6850	4.6540
836.60	4183	4.1249	4.1392	4.1068	4.6940	4.6810	4.6520
846.60	4233	4.1265	4.1253	4.1306	4.6860	4.6570	4.6670

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LTE BAND 2 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1850.7	18607	1.0908	1.0966	1.227	1.229
1880.0	18900	1.0882	1.0882	1.237	1.237
1909.3	19193	1.0874	1.0874	1.248	1.235

LTE BAND 2 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1851.5	18615	2.6921	2.7112	3.011	3.035
1880.0	18900	2.7053	2.7135	2.978	3.019
1908.5	19185	2.7167	2.6986	3.003	3.017

LTE BAND 2 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1852.5	18625	4.5053	4.5048	4.963	4.989
1880.0	18900	4.5008	4.4884	4.954	4.987
1907.5	19175	4.4929	4.5029	4.950	4.971

LTE BAND 2 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1855.0	18650	8.9783	8.9920	9.803	9.751
1880.0	18900	8.9663	9.0242	9.849	9.766
1905.0	19150	8.9890	9.0134	9.862	9.725

LTE BAND 2 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1857.5	18675	13.493	13.481	14.64	14.68
1880.0	18900	13.486	13.475	14.76	14.65
1902.5	19125	13.490	13.499	14.69	14.62

LTE BAND 2 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1860.0	18700	17.910	17.913	19.43	19.47
1880.0	18900	17.949	17.957	19.51	19.47
1900.0	19100	17.949	17.964	19.43	19.35

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LTE BAND 2 Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1850.7	18607	1.0946	1.230
1880.0	18900	1.0932	1.233
1909.3	19193	1.0945	1.253

LTE BAND 2 Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1851.5	18615	2.7014	3.000
1880.0	18900	2.7019	2.998
1908.5	19185	2.6965	2.964

LTE BAND 2 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1852.5	18625	4.5012	4.978
1880.0	18900	4.5101	4.917
1907.5	19175	4.4914	5.000

LTE BAND 2 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1855.0	18650	8.9846	9.896
1880.0	18900	8.9792	9.758
1905.0	19150	8.9773	9.871

LTE BAND 2 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1857.5	18675	13.475	14.63
1880.0	18900	13.484	14.67
1902.5	19125	13.497	14.68

LTE BAND 2 Channel bandwidth: 20MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1860.0	18700	17.913	19.36
1880.0	18900	17.929	19.28
1900.0	19100	17.977	19.64

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LTE BAND 4 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1710.7	19957	1.0944	1.0998	1.231	1.242
1732.5	20175	1.0977	1.0962	1.244	1.245
1754.3	20393	1.0973	1.0959	1.245	1.237

LTE BAND 4 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1711.5	19965	2.7018	2.7034	3.001	3.010
1732.5	20175	2.6981	2.7047	2.996	3.015
1753.5	20385	2.6992	2.7053	2.988	3.007

LTE BAND 4 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1712.5	19957	4.5136	4.4980	4.989	4.983
1732.5	20175	4.5176	4.5056	4.997	4.994
1752.5	20375	4.5086	4.5084	5.005	4.945

LTE BAND 4 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1715.0	20000	8.9950	8.9826	9.768	9.753
1732.5	20175	9.0025	8.9693	9.834	9.813
1750.0	20350	9.0154	8.9654	9.905	9.788

LTE BAND 4 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1717.5	20025	13.483	13.469	14.62	14.57
1732.5	20175	13.474	13.460	14.69	14.74
1747.5	20325	13.458	13.449	14.67	14.66

LTE BAND 4 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1720.0	20050	17.953	17.931	19.34	19.41
1732.5	20175	17.941	17.974	19.42	19.44
1745.0	20300	17.931	17.936	19.39	19.46

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LTE BAND 4 Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1710.7	19957	1.0919	1.241
1732.5	20175	1.0945	1.240
1754.3	20393	1.0944	1.237

LTE BAND 4 Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1711.5	19965	2.7041	3.018
1732.5	20175	2.7061	3.021
1753.5	20385	2.7092	3.012

LTE BAND 4 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1712.5	19957	4.5019	4.960
1732.5	20175	4.4897	4.945
1752.5	20375	4.4979	4.959

LTE BAND 4 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1715.0	20000	8.9750	9.866
1732.5	20175	8.9864	9.748
1750.0	20350	8.9738	9.837

LTE BAND 4 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1717.5	20025	13.445	14.52
1732.5	20175	13.452	14.62
1747.5	20325	13.440	14.70

LTE BAND 4 Channel bandwidth: 20MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1720.0	20050	17.937	19.43
1732.5	20175	17.920	19.43
1745.0	20300	17.914	19.45

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LTE BAND 5 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
824.7	20407	1.0958	1.0985	1.244	1.248
836.5	20525	1.0969	1.0994	1.242	1.242
848.3	20643	1.0949	1.0997	1.236	1.241

LTE BAND 5 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
825.5	20415	2.7022	2.7024	3.000	3.004
836.5	20525	2.7025	2.7005	2.993	3.001
847.5	20635	2.7030	2.7022	2.993	3.005

LTE BAND 5 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
826.5	20425	4.5049	4.5063	4.992	4.997
836.5	20525	4.5077	4.5028	5.002	4.961
846.5	20625	4.5187	4.5001	5.010	4.988

LTE BAND 5 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
829.0	20450	8.9832	8.9838	9.816	9.793
836.5	20525	8.9680	8.9418	9.772	9.774
844.0	20600	8.9992	8.9801	9.911	9.823

LTE BAND 5 Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
824.7	20407	1.0932	1.242
836.5	20525	1.0955	1.237
848.3	20643	1.0949	1.242

LTE BAND 5 Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
825.5	20415	2.7101	3.000
836.5	20525	2.7062	3.000
847.5	20635	2.7085	3.014

LTE BAND 5 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
826.5	20425	4.5029	4.947
836.5	20525	4.4944	4.972
846.5	20625	4.4963	4.961

LTE BAND 5 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
829.0	20450	8.9855	9.863
836.5	20525	8.9550	9.758
844.0	20600	9.0045	9.857

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LTE BAND 7 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2502.5	20775	4.4969	4.5055	4.982	4.945
2535.0	21100	4.5021	4.5033	4.975	4.985
2567.5	21425	4.5018	4.5063	4.961	4.991

LTE BAND 7 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2505.0	20800	8.9912	8.9531	9.806	9.772
2535.0	21100	9.0034	8.9714	9.826	9.755
2565.0	21400	8.9779	8.9584	9.804	9.794

LTE BAND 7 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2507.5	20825	13.447	13.446	14.65	14.64
2535.0	21100	13.467	13.473	14.67	14.73
2562.5	21375	13.486	13.453	14.64	14.57

LTE BAND 7 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2510.0	20850	17.908	17.928	19.45	19.43
2535.0	21100	17.907	17.956	19.48	19.47
2560.0	21350	17.891	17.937	19.42	19.45

LTE BAND 7 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2502.5	20775	4.5025	4.979
2535.0	21100	4.5014	4.982
2567.5	21425	4.4915	4.948

LTE BAND 7 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2505.0	20800	8.9650	9.820
2535.0	21100	8.9640	9.818
2565.0	21400	8.9826	9.839

LTE BAND 7 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2507.5	20825	13.462	14.63
2535.0	21100	13.456	14.68
2562.5	21375	13.444	14.62

LTE BAND 7 Channel bandwidth: 20MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2510.0	20850	17.883	19.42
2535.0	21100	17.942	19.37
2560.0	21350	17.926	19.40

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LTE BAND 12 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
699.7	23017	1.0976	1.0990	1.247	1.240
707.5	23095	1.0961	1.0990	1.244	1.236
715.3	23173	1.0962	1.0971	1.241	1.244

LTE BAND 12 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
700.5	23025	2.7015	2.7053	2.982	3.010
707.5	23095	2.7073	2.7056	2.994	3.007
714.5	23165	2.7044	2.7111	2.995	3.001

LTE BAND 12 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
701.5	23035	4.5157	4.5131	4.976	4.968
707.5	23095	4.5045	4.4891	4.993	4.926
713.5	23155	4.5242	4.5114	5.005	4.977

LTE BAND 12 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
704.0	23060	9.0236	8.9982	9.849	9.741
707.5	23095	8.9753	8.9523	9.836	9.752
711.0	23130	9.0241	8.9707	9.831	9.828

LTE BAND 12 Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
699.7	23017	1.0926	1.236
707.5	23095	1.0937	1.241
715.3	23173	1.0961	1.242

LTE BAND 12 Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
700.5	23025	2.7111	3.022
707.5	23095	2.7088	3.016
714.5	23165	2.7099	2.995

LTE BAND 12 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
701.5	23035	4.4978	4.974
707.5	23095	4.4953	4.931
713.5	23155	4.5049	4.974

LTE BAND 12 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
704.0	23060	8.9841	9.799
707.5	23095	8.9666	9.794
711.0	23130	8.9937	9.804

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LTE BAND 17 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
706.5	23755	4.5047	4.5002	4.954	4.943
710.0	23790	4.5015	4.5016	4.959	4.950
713.5	23825	4.5191	4.5260	5.016	4.966

LTE BAND 17 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
709.0	23780	8.9675	8.9477	9.765	9.698
710.0	23790	8.9786	8.9486	9.788	9.697
711.0	23780	8.9784	8.9438	9.749	9.700

LTE BAND 17 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
706.5	23755	4.4992	4.952
710.0	23790	4.4805	4.941
713.5	23825	4.5037	4.969

LTE BAND 17 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
709.0	23780	8.9517	9.816
710.0	23790	8.9468	9.788
711.0	23780	8.9597	9.835

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LTE BAND 25 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1850.7	26047	1.0951	1.0954	1.234	1.234
1882.5	26365	1.0933	1.0899	1.239	1.240
1914.3	26683	1.0939	1.0987	1.236	1.238

LTE BAND 25 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1851.5	26055	2.7030	2.7039	3.004	2.985
1882.5	26365	2.7011	2.6972	2.999	3.001
1913.5	26675	2.7005	2.7007	2.982	2.991

LTE BAND 25 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1852.5	26065	4.4935	4.5026	4.972	4.935
1882.5	26365	4.4972	4.9490	4.979	4.498
1912.5	26665	4.4986	4.5014	4.981	4.951

LTE BAND 25 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1855.0	26090	8.9896	8.9676	9.793	9.763
1882.5	26365	8.9895	8.9651	9.812	9.772
1910.0	26640	8.9985	8.9530	9.822	9.745

LTE BAND 25 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1857.5	26115	13.485	13.470	14.71	14.63
1882.5	26365	13.492	13.484	14.66	14.72
1907.5	26615	13.451	13.447	14.71	14.72

LTE BAND 25 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
1860.0	26140	17.920	17.939	19.46	19.37
1882.5	26365	17.994	17.975	19.69	19.50
1905.0	26590	18.065	17.964	28.62	19.52

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LTE BAND 25 Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1850.7	26047	1.0918	1.239
1882.5	26365	1.0941	1.242
1914.3	26683	1.0945	1.246

LTE BAND 25 Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1851.5	26055	2.7085	2.990
1882.5	26365	2.7078	3.028
1913.5	26675	2.7082	3.008

LTE BAND 25 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1852.5	26065	4.4899	4.963
1882.5	26365	4.5013	4.956
1912.5	26665	4.4920	4.960

LTE BAND 25 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1855.0	26090	8.9887	9.856
1882.5	26365	8.9919	9.823
1910.0	26640	8.9894	9.814

LTE BAND 25 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1857.5	26115	13.475	14.61
1882.5	26365	13.490	14.66
1907.5	26615	13.470	14.62

LTE BAND 25 Channel bandwidth: 20MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
1860.0	26140	17.914	19.38
1882.5	26365	17.938	19.45
1905.0	26590	17.980	19.78

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LTE BAND 26 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
814.7	26697	1.0941	1.0961	1.247	1.238
831.5	26865	1.0975	1.0979	1.244	1.239
848.3	27033	1.0954	1.1008	1.236	1.238

LTE BAND 26 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
815.5	26705	2.7026	2.7053	2.982	3.001
831.5	26865	2.7005	2.7030	2.981	2.995
847.5	27025	2.7045	2.7033	2.986	3.013

LTE BAND 26 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
816.5	26715	4.5105	4.5121	4.971	5.002
831.5	26865	4.5030	4.5038	4.983	4.973
846.5	27015	4.5134	4.4936	4.976	4.994

LTE BAND 26 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
820.0	26750	8.9895	8.9660	9.747	9.743
831.5	26865	9.0066	8.9852	9.820	9.742
844.0	26990	9.0157	8.9968	9.835	9.849

LTE BAND 26 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
831.5	26865	13.451	13.452	14.70	14.68
836.5	26915	13.496	13.478	14.72	14.74
841.5	26965	13.474	13.449	14.67	14.60

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LTE BAND 26 Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
814.7	26697	1.0944	1.240
831.5	26865	1.0914	1.239
848.3	27033	1.0964	1.237

LTE BAND 26 Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
815.5	26705	2.7041	3.007
831.5	26865	2.7055	2.999
847.5	27025	2.7104	2.991

LTE BAND 26 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
816.5	26715	4.5009	4.957
831.5	26865	4.4943	4.937
846.5	27015	4.4922	4.963

LTE BAND 26 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
820.0	26750	8.9910	9.755
831.5	26865	8.9860	9.812
844.0	26990	9.0000	9.785

LTE BAND 26 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
822.5	26825	13.429	14.71
831.5	26865	13.474	14.74
841.5	26965	13.442	14.75

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LTE BAND 26 for part 90S Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
814.7	26697	1.0925	1.0986	1.239	1.239
819.0	26740	1.0944	1.0958	1.238	1.241
823.3	26783	1.0946	1.0964	1.234	1.238

LTE BAND 26 for part 90S Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
815.5	26705	2.6978	2.7037	2.990	3.021
819.0	26740	2.6990	2.7032	2.984	3.000
822.5	26775	2.6979	2.7031	2.985	3.011

LTE BAND 26 for part 90S Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
816.5	26715	4.5005	4.4998	4.985	4.941
819.0	26740	4.4998	4.4988	4.984	4.945
821.5	26765	4.4991	4.5056	4.975	4.980

LTE BAND 26 for part 90S Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
819.0	26740	9.0054	8.9920	9.800	9.813

LTE BAND 26 for part 90S Channel bandwidth: 1.4MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
814.7	26697	1.0976	1.238
819.0	26740	1.0955	1.236
823.3	26783	1.0955	1.243

LTE BAND 26 for part 90S Channel bandwidth: 3MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
815.5	26705	2.7056	2.979
819.0	26740	2.7010	2.991
822.5	26775	2.7004	2.996

LTE BAND 26 for part 90S Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
816.5	26715	4.5039	4.956
819.0	26740	4.5049	4.960
821.5	26765	4.5062	4.961

LTE BAND 26 for part 90S Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
819.0	26740	8.9790	9.828

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LTE BAND 30 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2307.5	27685	4.5036	4.5056	4.992	4.967
2310.0	27710	4.4944	4.5023	4.945	4.974
2312.5	27735	4.5002	4.4893	4.966	4.945

LTE BAND 30 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2310.0	27710	8.977	8.9356	9.798	9.738

LTE BAND 30 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2307.5	27685	4.5080	4.947
2310.0	27710	4.5111	4.966
2312.5	27735	4.5080	4.947

LTE BAND 30 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2310.0	27710	8.9713	9.776

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LTE BAND 38 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2572.5	37775	4.4968	4.4997	4.914	4.955
2595.0	38000	4.5008	4.5022	4.978	4.966
2617.5	38225	4.5000	4.5035	4.998	4.977

LTE BAND 38 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2575.0	37800	8.9709	8.9616	9.731	9.808
2595.0	38000	8.9701	8.9545	9.722	9.771
2615.0	38200	8.9769	8.9544	9.778	9.800

LTE BAND 38 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2577.5	37825	13.472	13.473	14.54	14.65
2595.0	38000	13.461	13.458	14.62	14.64
2612.5	38175	13.437	13.470	14.55	14.63

LTE BAND 38 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
2580.0	37850	17.922	17.901	19.41	19.34
2595.0	38000	17.919	17.927	19.46	19.54
2610.0	38150	17.912	17.881	19.34	19.53

LTE BAND 38 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2572.5	37775	4.5087	4.958
2595.0	38000	4.5186	4.940
2617.5	38225	4.5038	4.917

LTE BAND 38 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2575.0	37800	8.9562	9.789
2595.0	38000	8.9797	9.781
2615.0	38200	8.9744	9.718

LTE BAND 38 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2577.5	37825	13.432	14.58
2595.0	38000	13.448	14.72
2612.5	38175	13.441	14.52

LTE BAND 38 Channel bandwidth: 20MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2580.0	37850	17.914	19.30
2595.0	38000	17.919	19.51
2610.0	38150	17.917	19.41

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LTE BAND 41 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2498.5	39675	4.5048	4.4930	4.991	4.978
2593.0	40620	4.5089	4.5035	4.935	4.935
2687.5	41565	4.5044	4.5023	5.001	4.964

LTE BAND 41 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2501.0	39700	8.9680	8.9615	9.751	9.760
2593.0	40620	8.9656	8.9623	9.701	9.707
2685.0	41540	8.9678	8.9646	9.716	9.752

LTE BAND 41 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2503.5	39725	13.453	13.468	14.56	14.71
2593.0	40620	13.466	13.435	14.63	14.59
2682.5	41515	13.470	13.466	14.65	14.70

LTE BAND 41 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)	99% BW (MHz)	26 dB BW (MHz)	26 dB BW (MHz)
		QPSK	16QAM	QPSK	16QAM
2506.0	39750	17.927	17.926	19.57	19.51
2593.0	40620	17.945	17.917	19.43	19.53
2680.0	41490	17.894	17.883	19.39	19.17

LTE BAND 41 Channel bandwidth: 5MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2498.5	39675	4.5114	4.924
2593.0	40620	4.5121	4.942
2687.5	41565	4.5119	4.945

LTE BAND 41 Channel bandwidth: 10MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2501.0	39700	8.9828	9.788
2593.0	40620	8.9753	9.847
2685.0	41540	8.9653	9.788

LTE BAND 41 Channel bandwidth: 15MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2503.5	39725	13.429	14.69
2593.0	40620	13.444	14.67
2682.5	41515	13.453	14.61

LTE BAND 41 Channel bandwidth: 20MHz			
Freq. (MHz)	CH	99% BW (MHz)	26 dB BW (MHz)
		64QAM	64QAM
2506.0	39750	17.920	19.55
2593.0	40620	17.927	19.47
2680.0	41490	17.884	19.27

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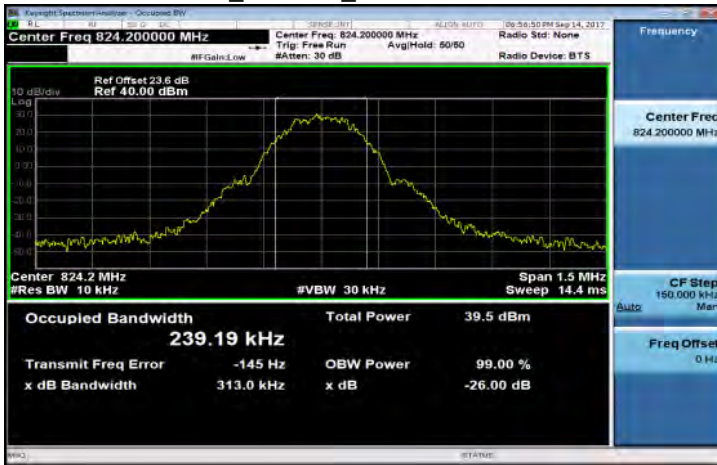
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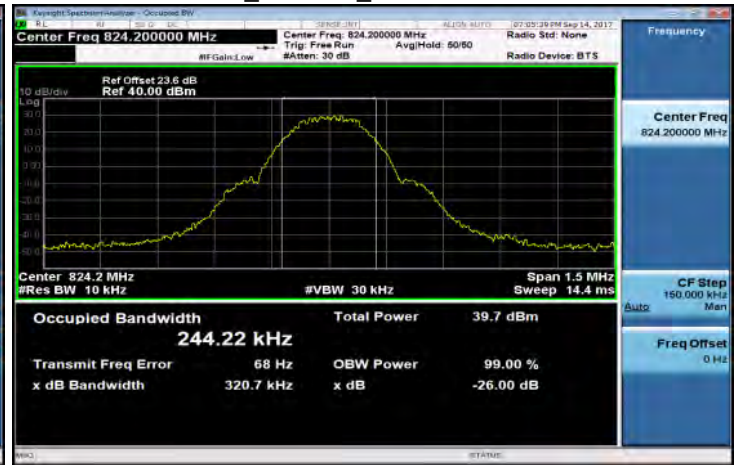
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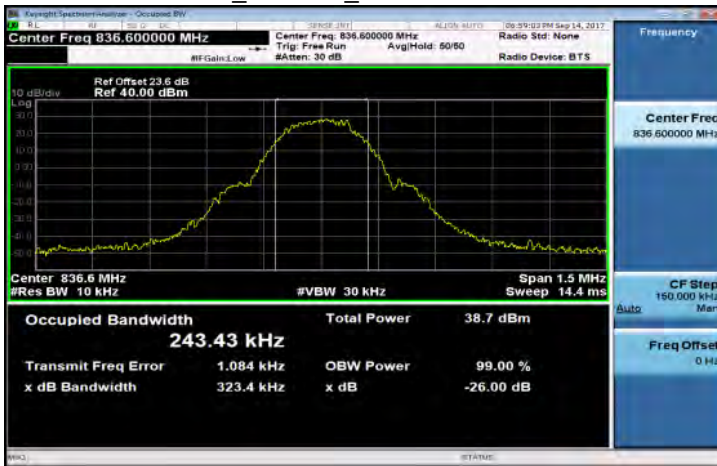
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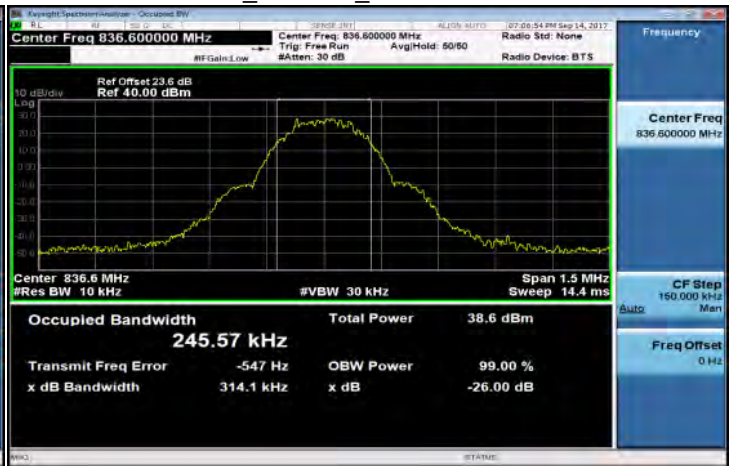
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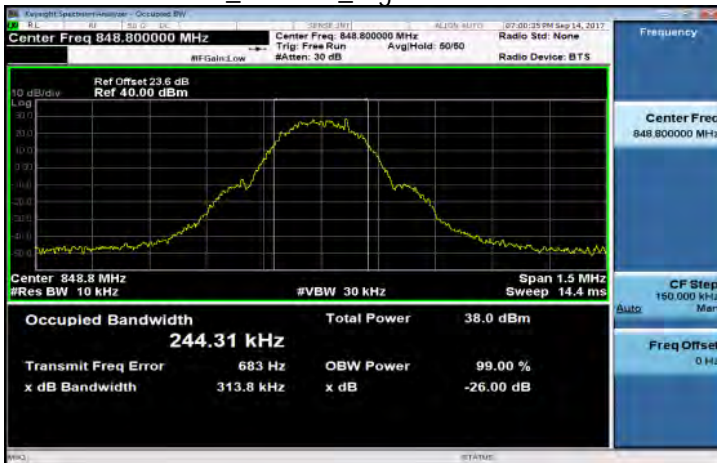
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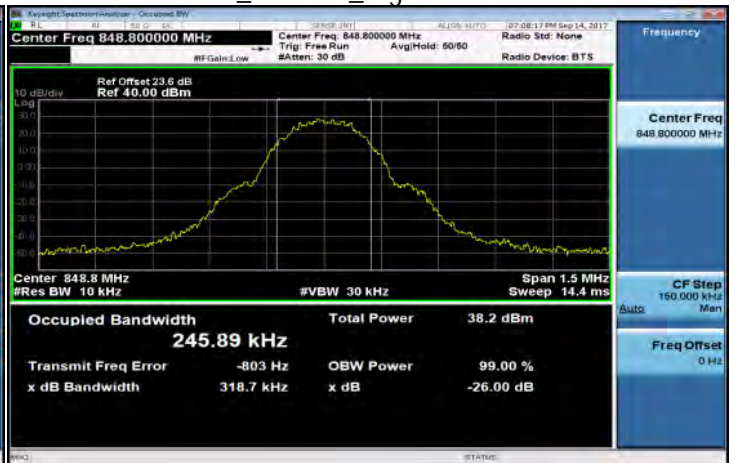
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GSM_850MHz_HighCH251-848.8



GPRS_850MHz_HighCH251-848.8



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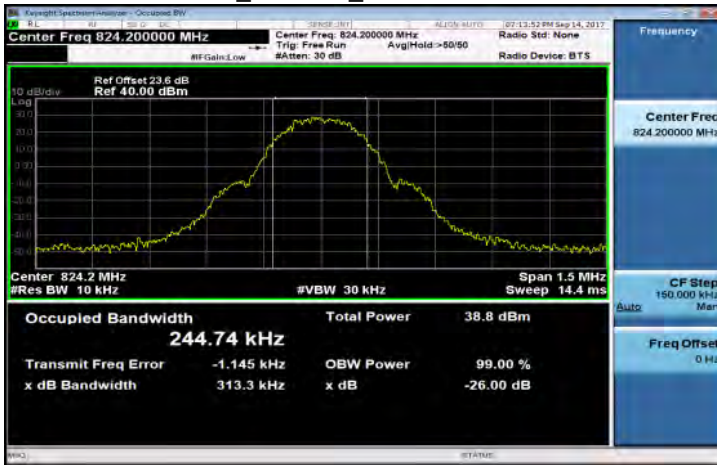
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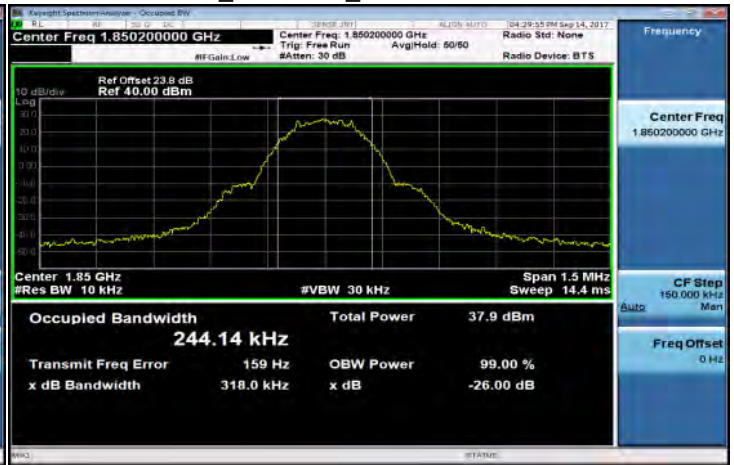
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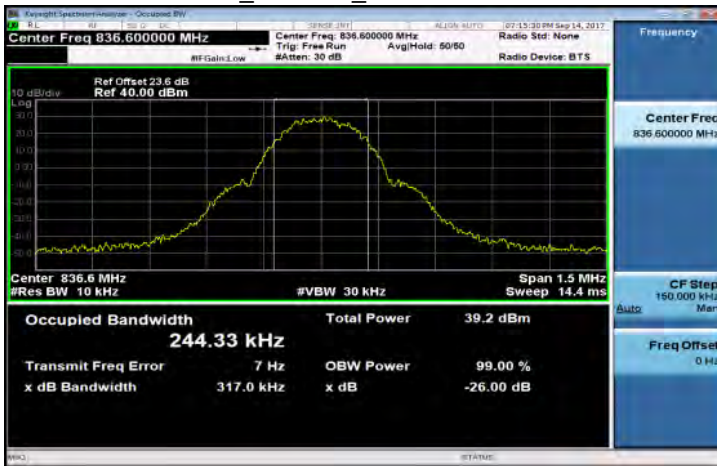
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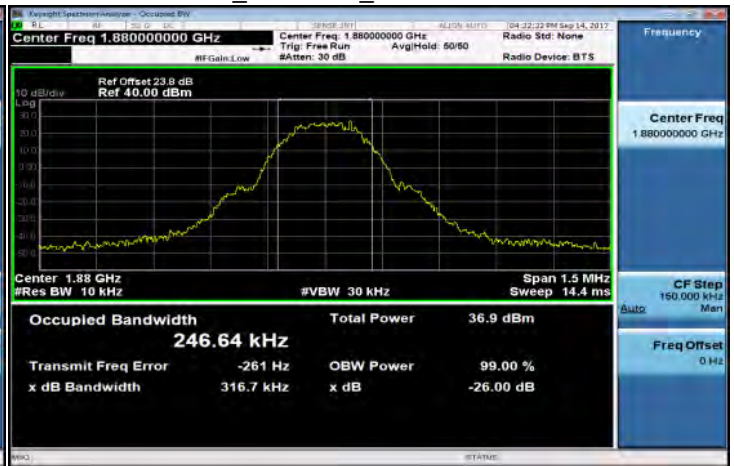
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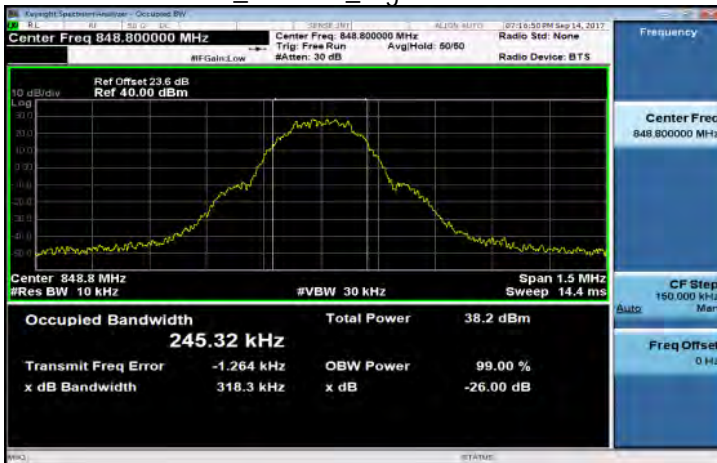
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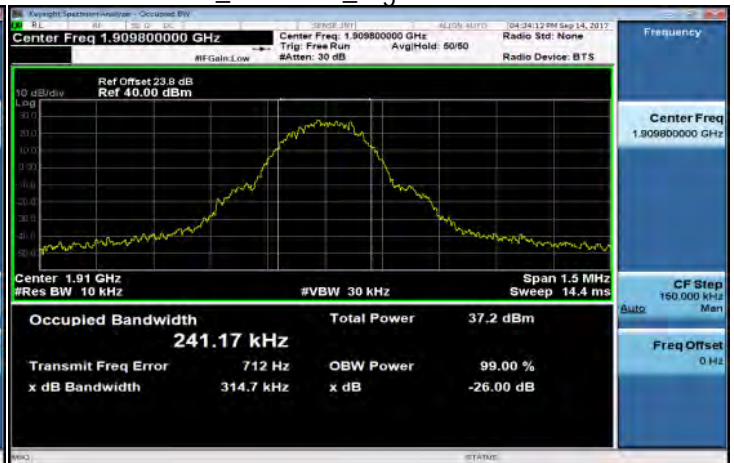
GSM_1900MHz_MidCH661-1880



EDGE_850MHz_HighCH251-848.8



GSM_1900MHz_HighCH810-1909.8



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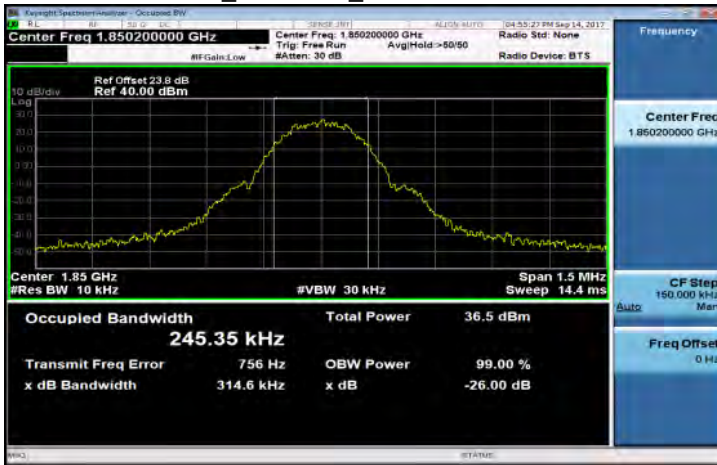
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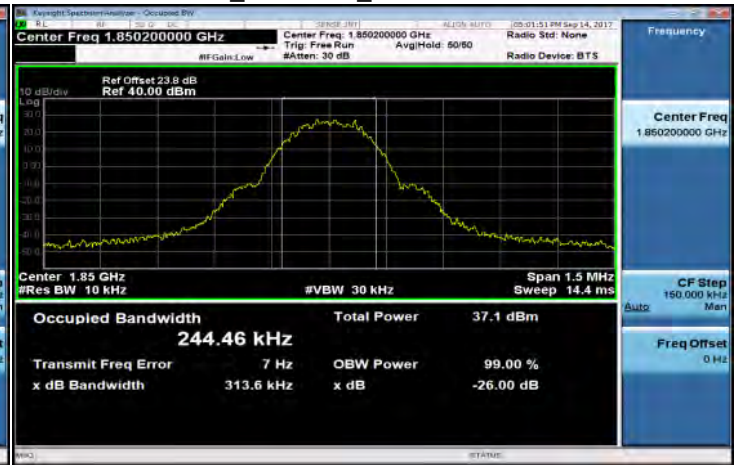
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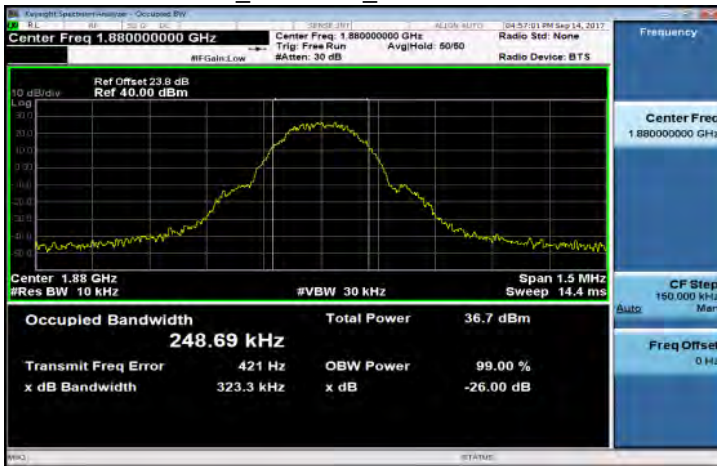
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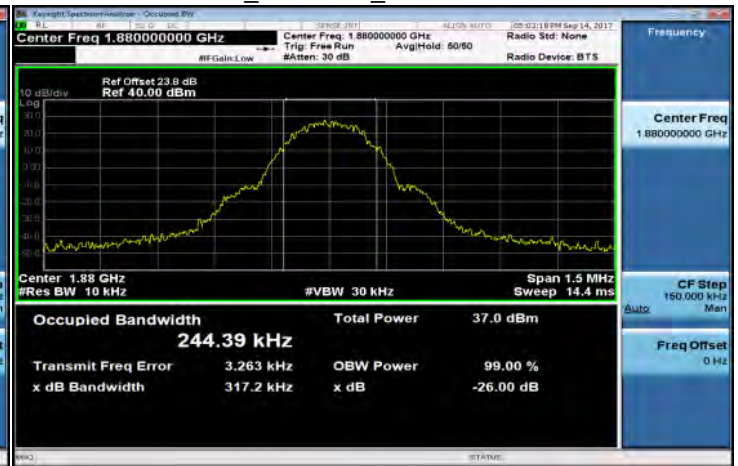
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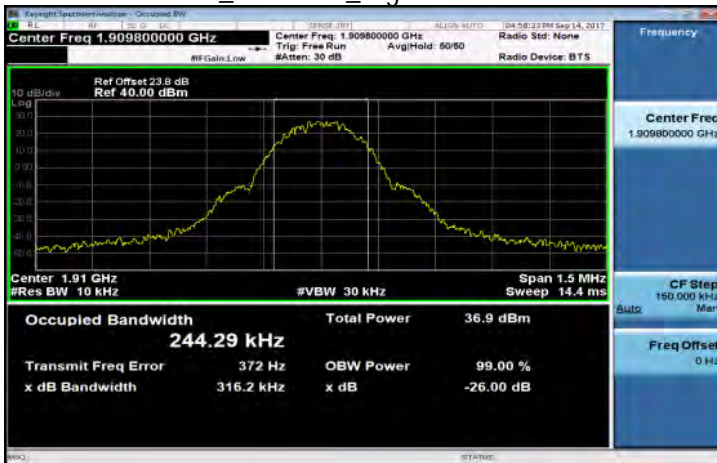
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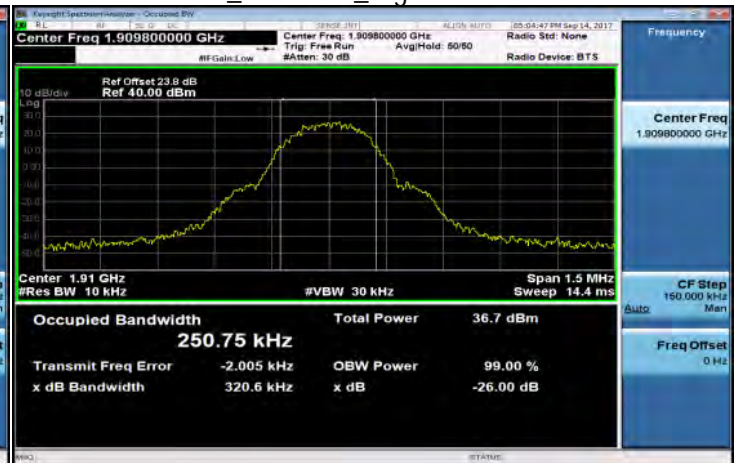
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GPRS_1900MHz_HighCH810-1909.8



EDGE_1900MHz_HighCH810-1909.8



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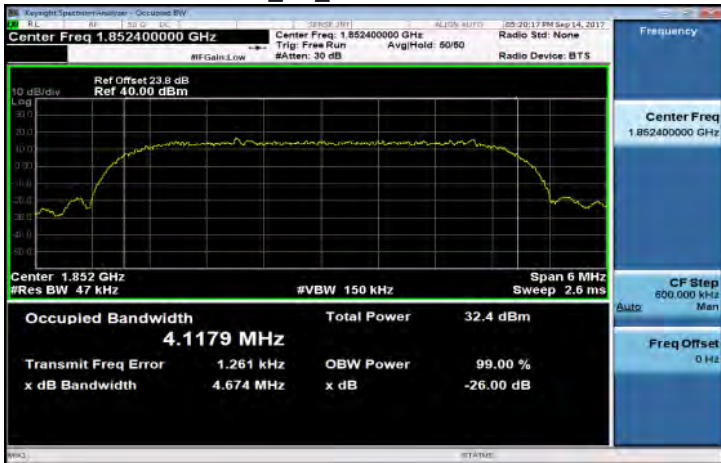
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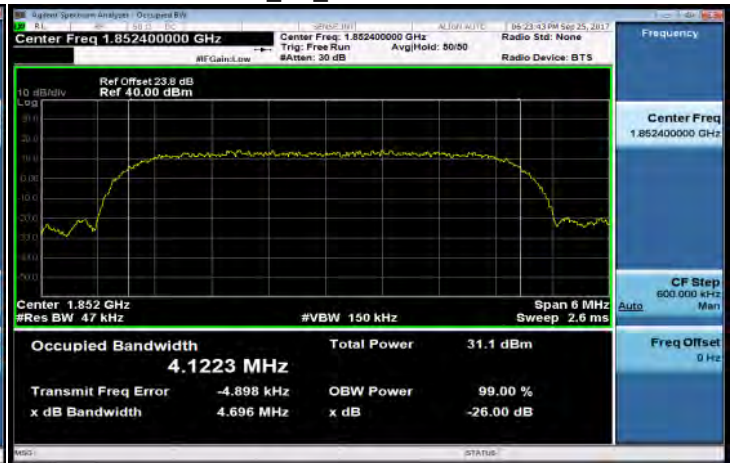
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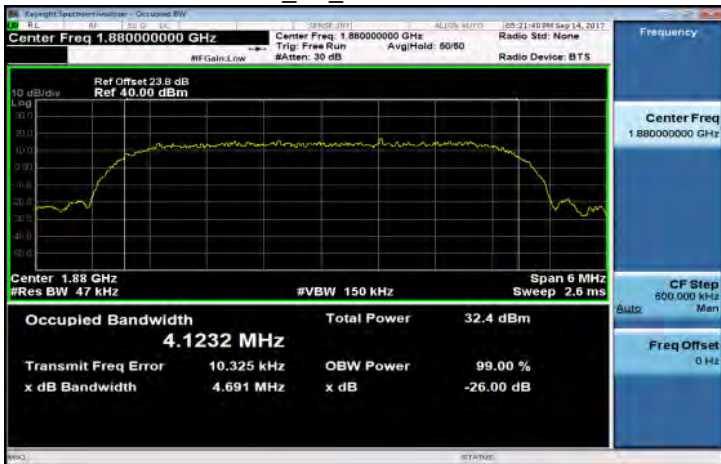
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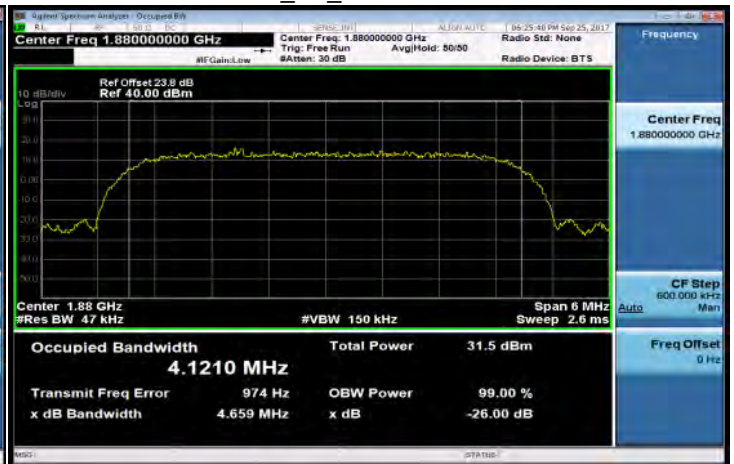
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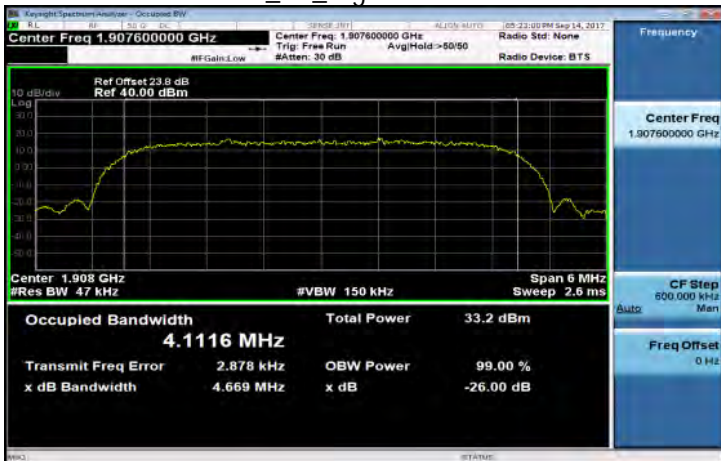
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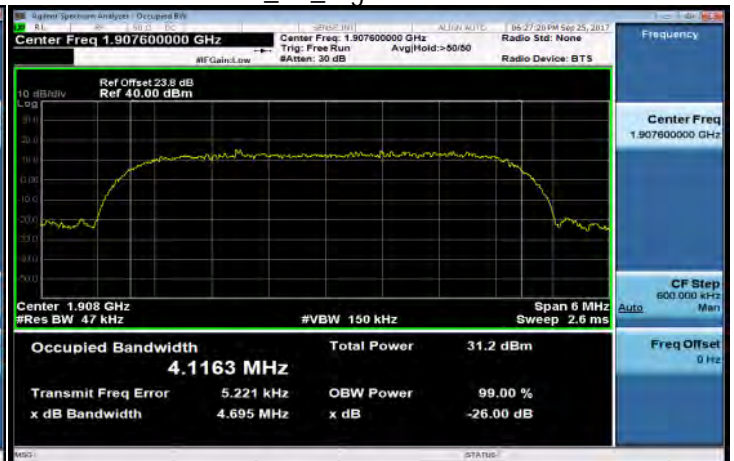
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WCDMA_B2_HighCH9538-1907.6



HSDPA_B2_HighCH9538-1907.6



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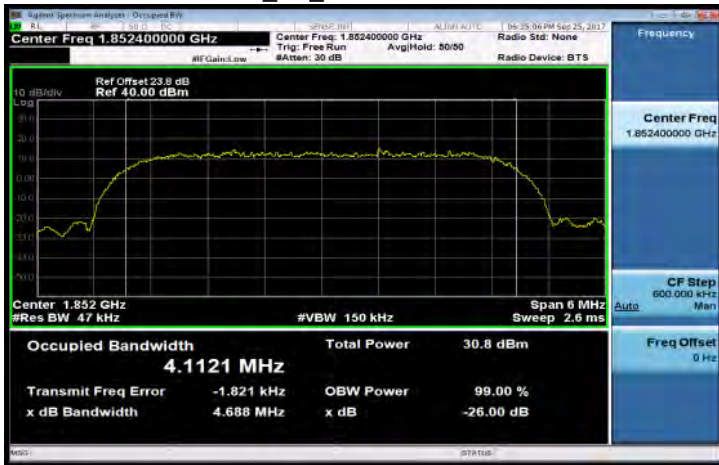
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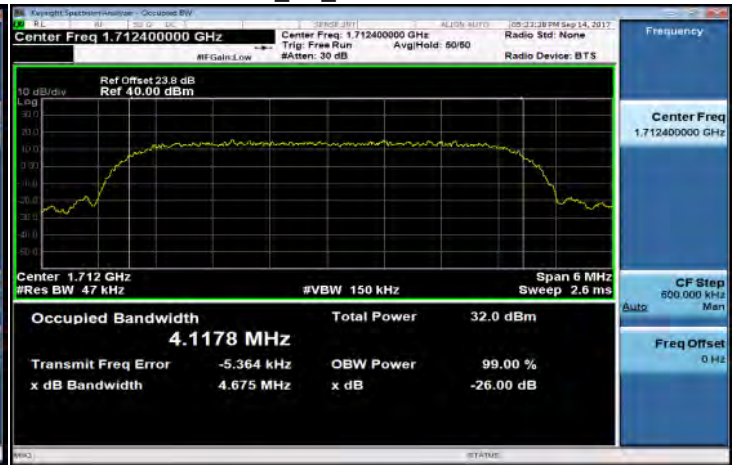
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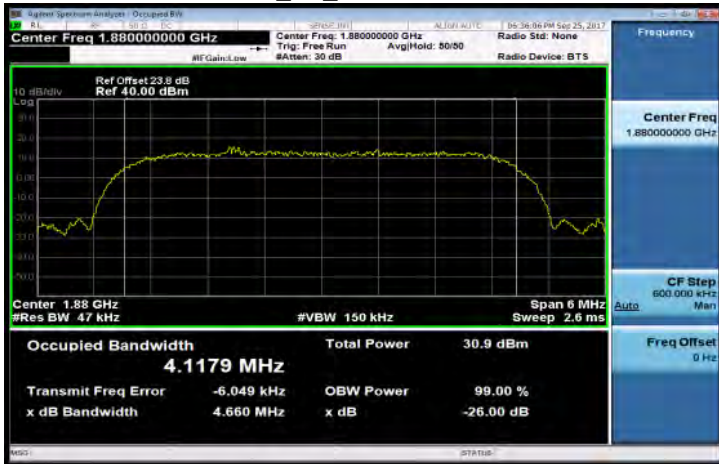
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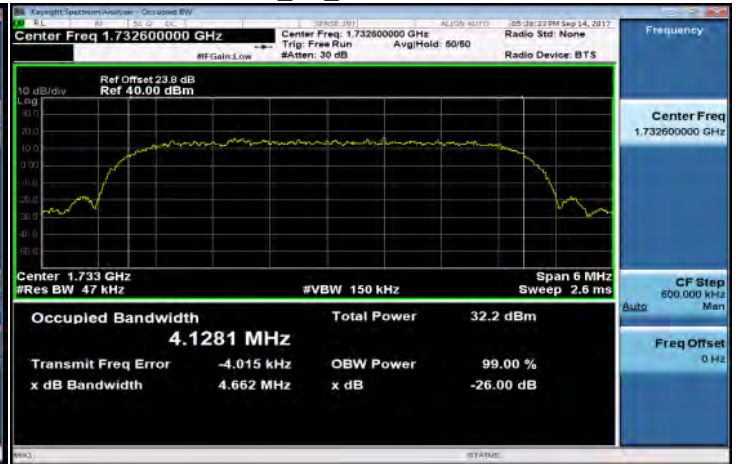
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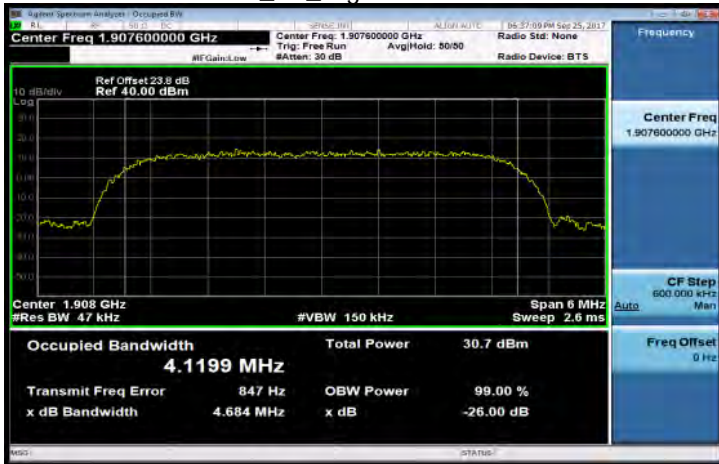
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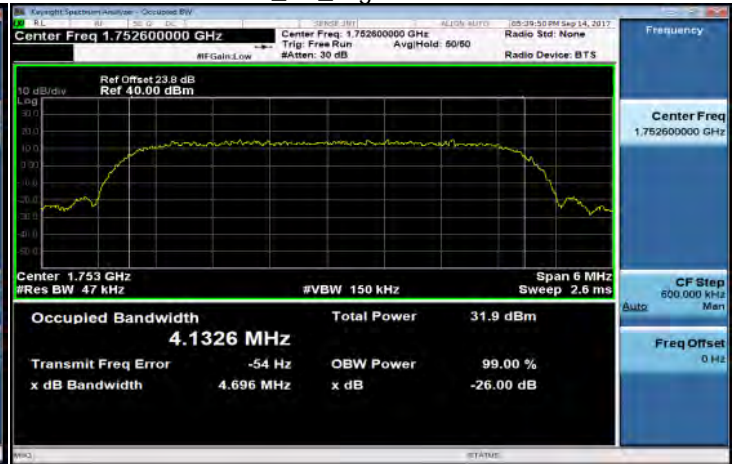
WCDMA_B4_MidCH1413-1732.6



HSUPA_B2_HighCH9538-1907.6



WCDMA_B4_HighCH1513-1752.6



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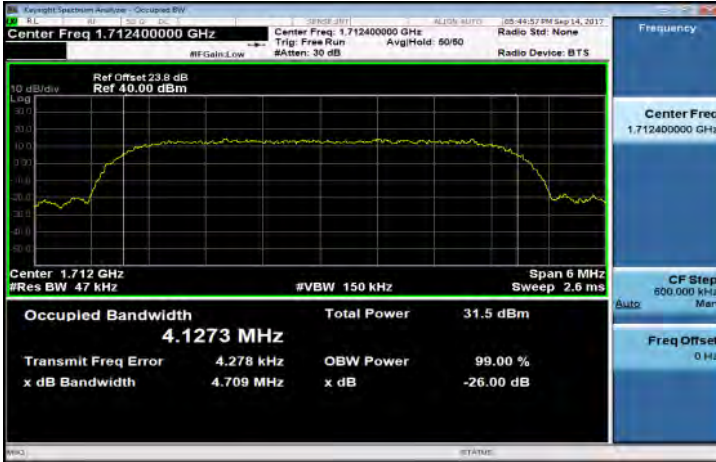
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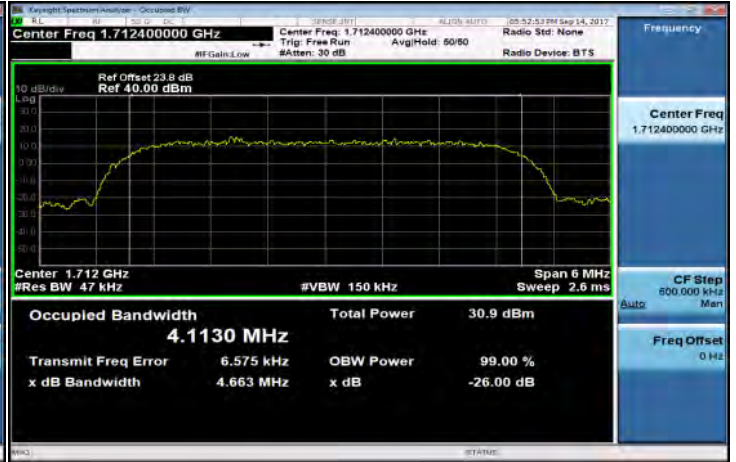
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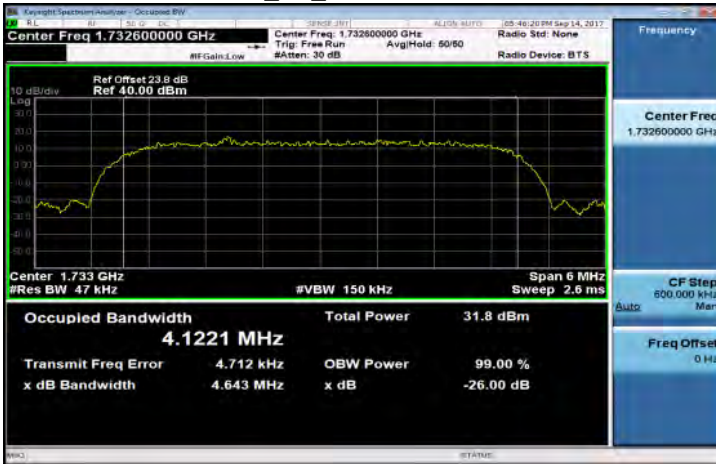
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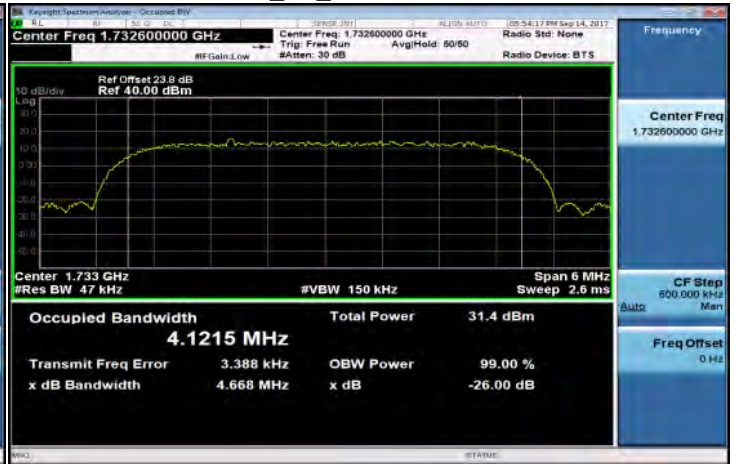
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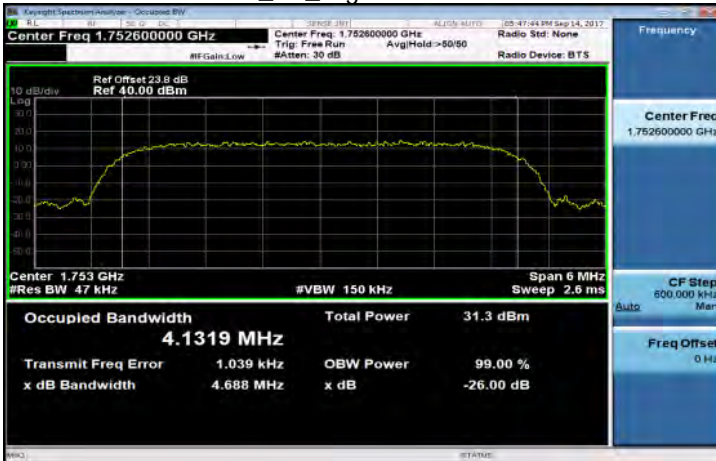
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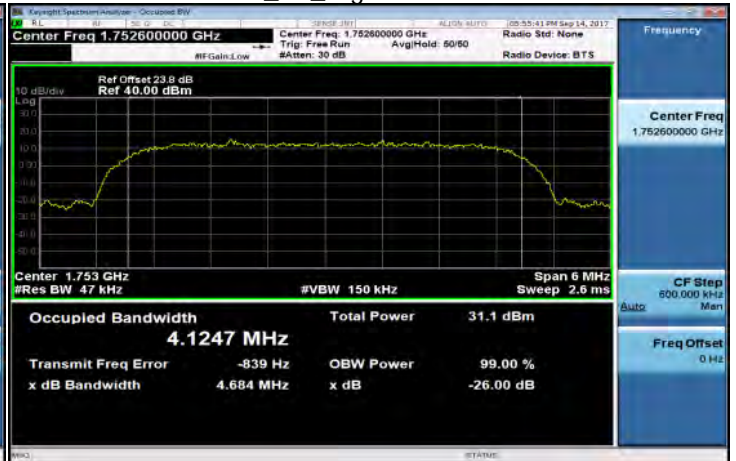
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HSUPA_B4_HighCH1513-1752.6



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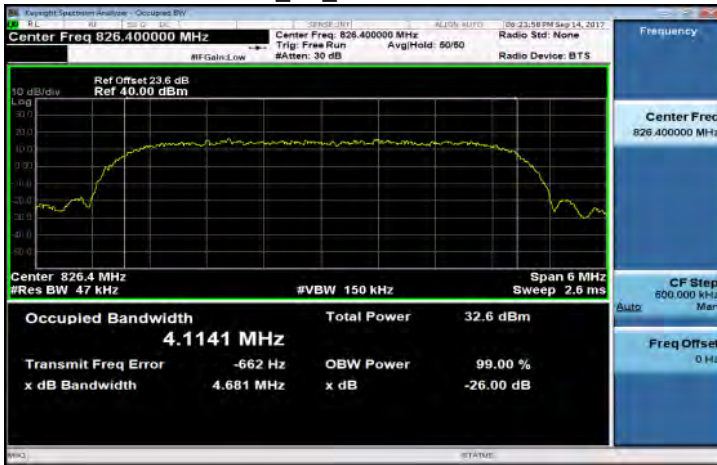
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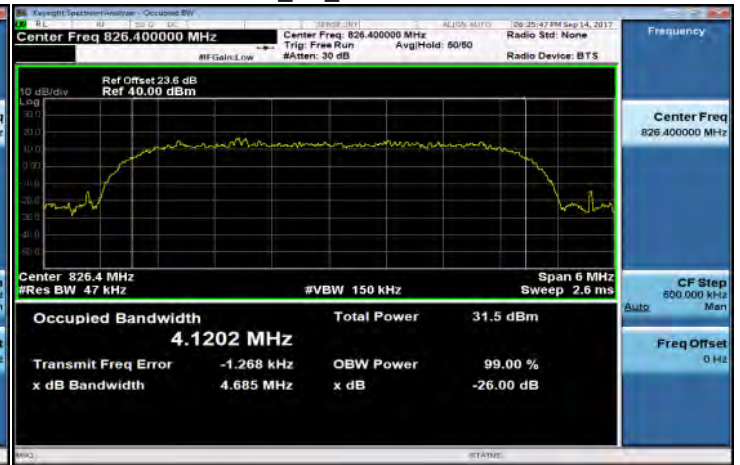
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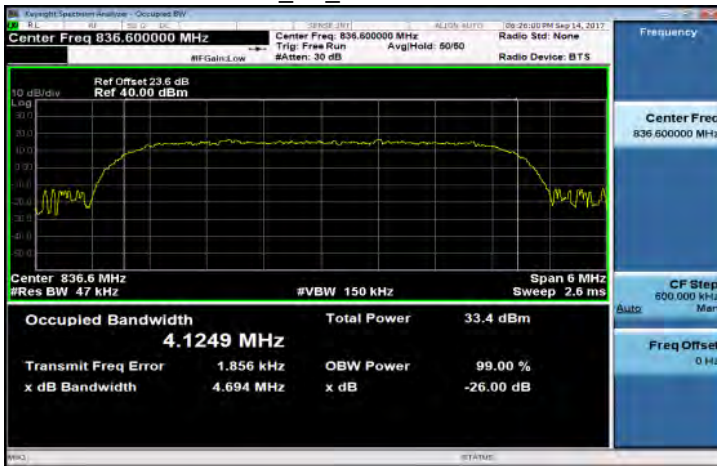
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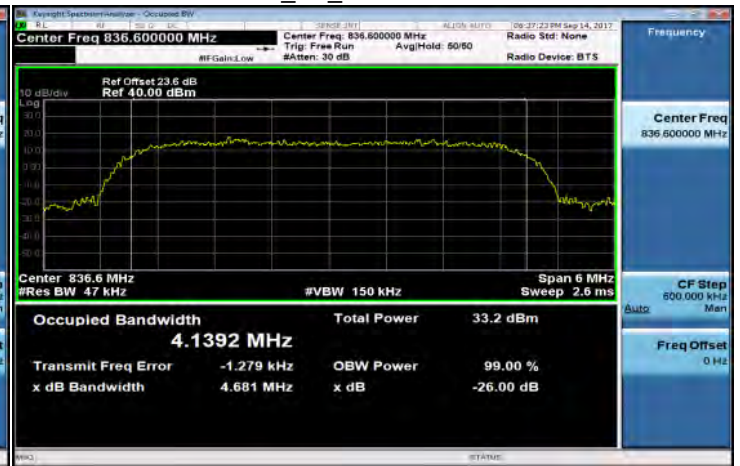
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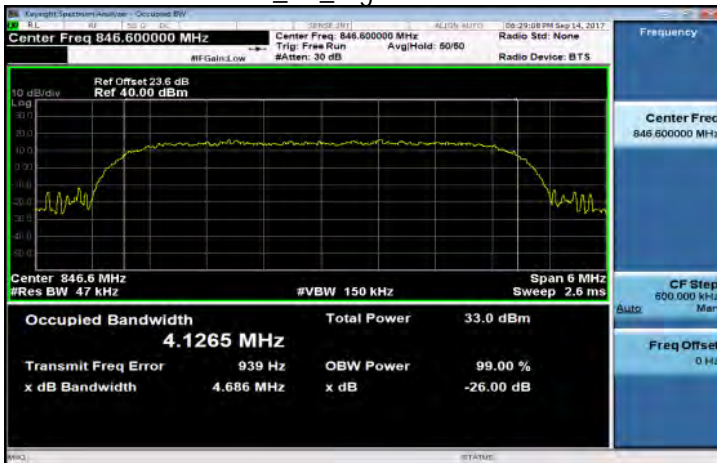
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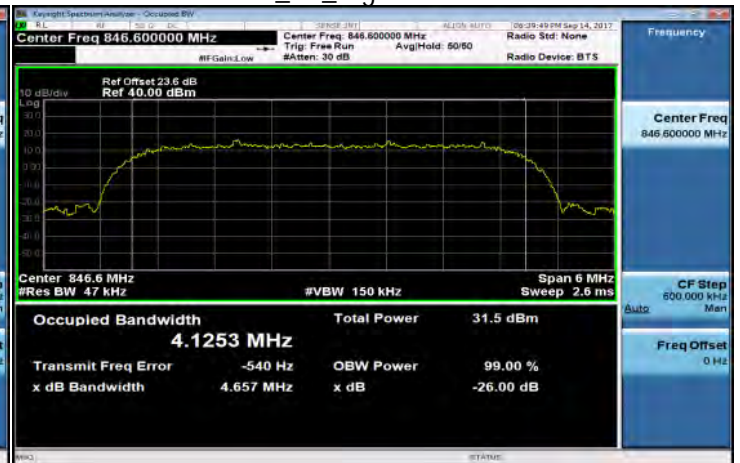
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WCDMA_B5_HighCH4233-846.6



HSDPA_B5_HighCH4233-846.6



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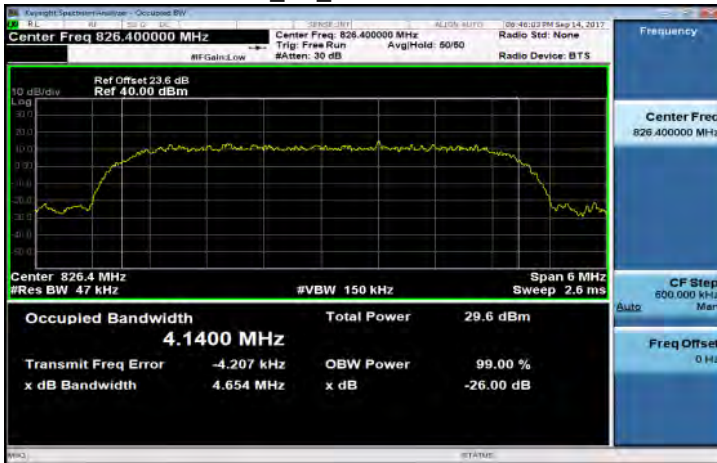
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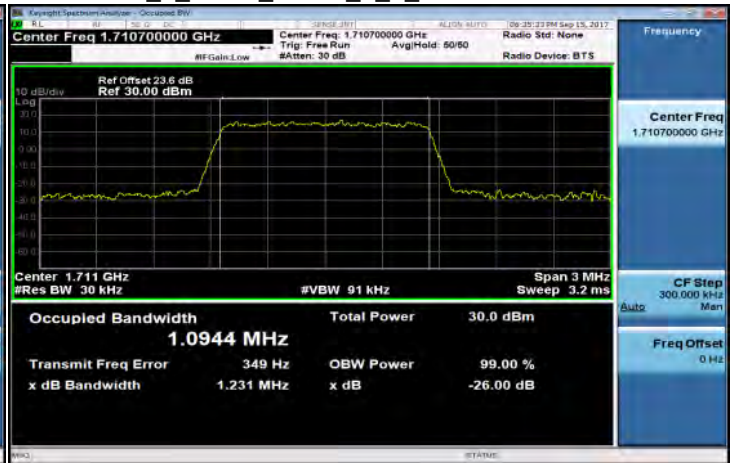
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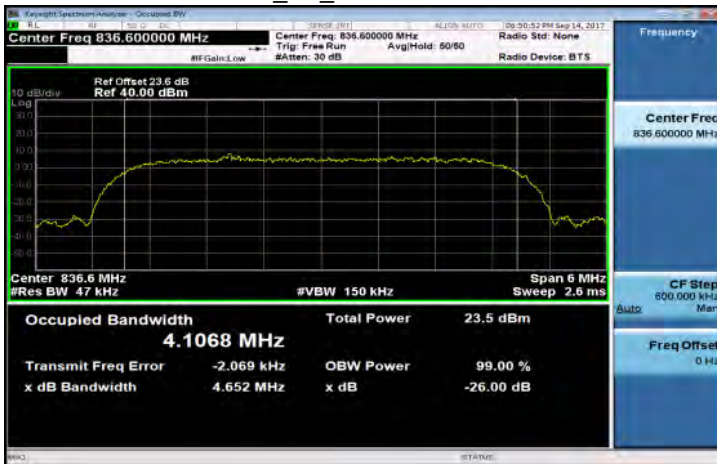
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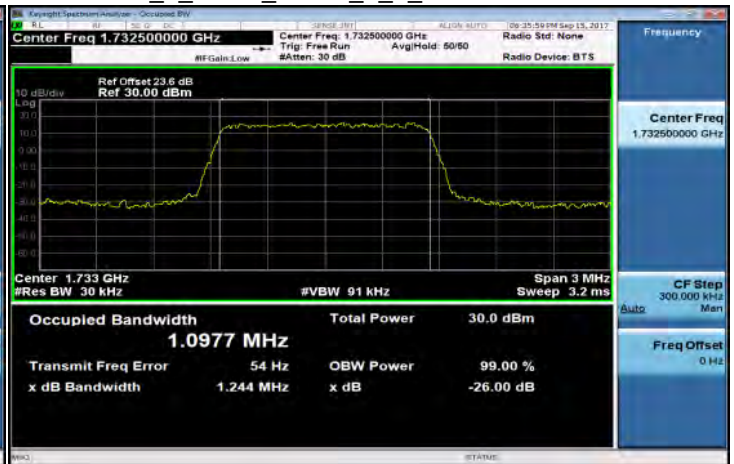
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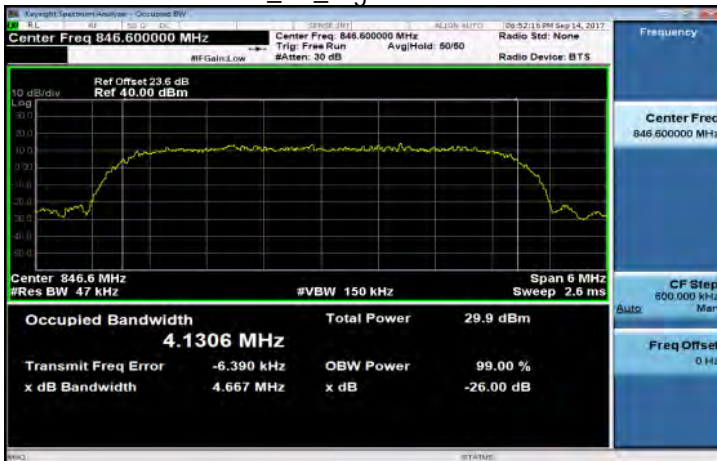
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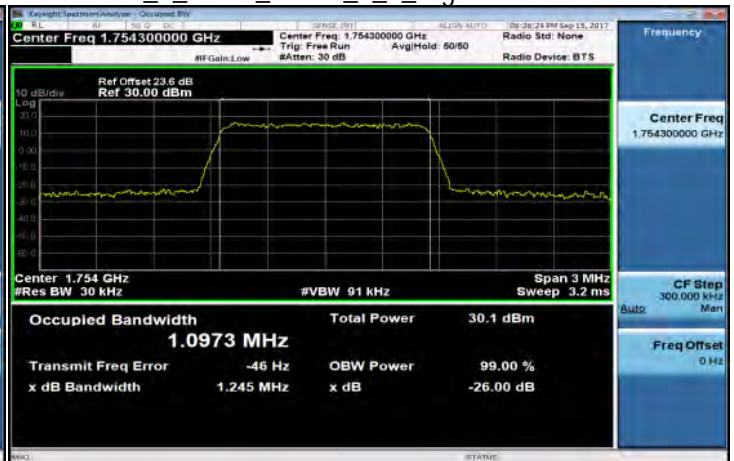
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HSUPA_B5_HighCH4233-846.6



Band4_1_4MHz_QPSK_6_0_HighCH20393-1754.3



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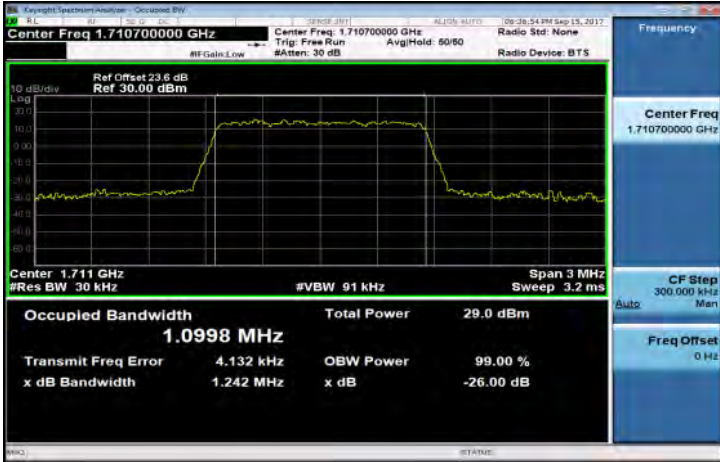
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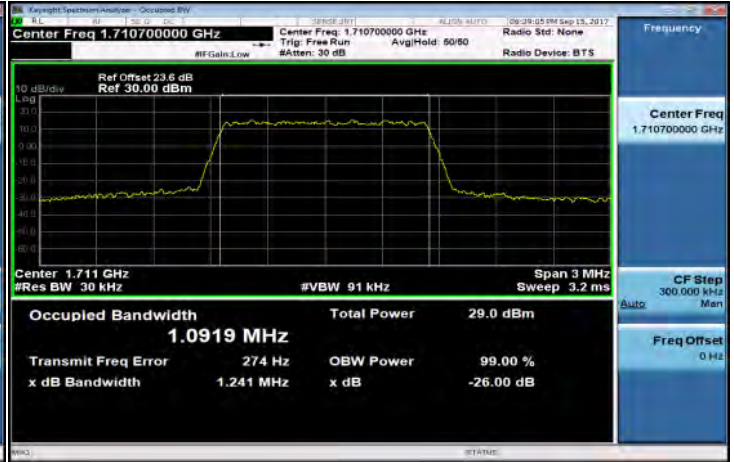
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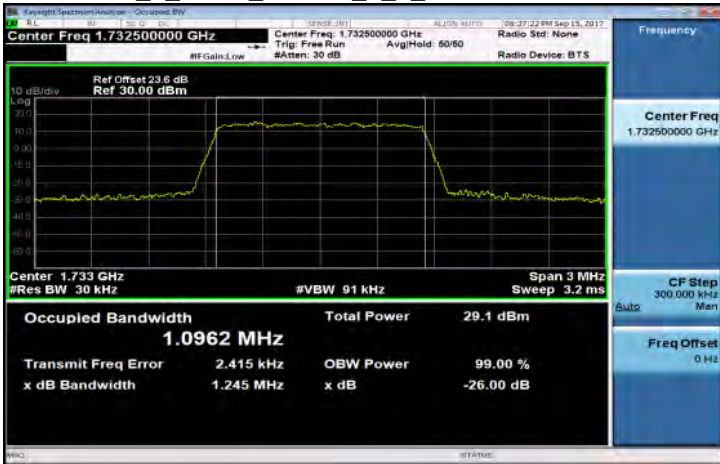
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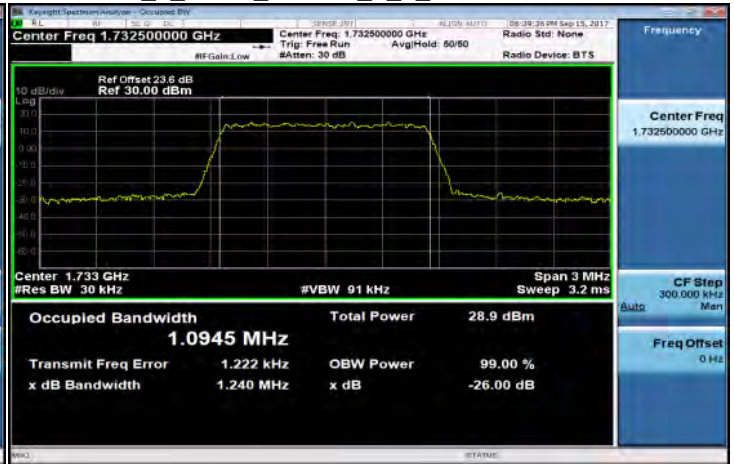
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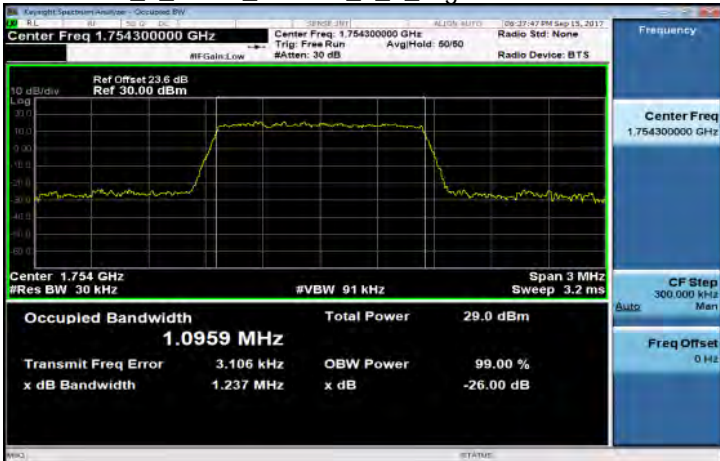
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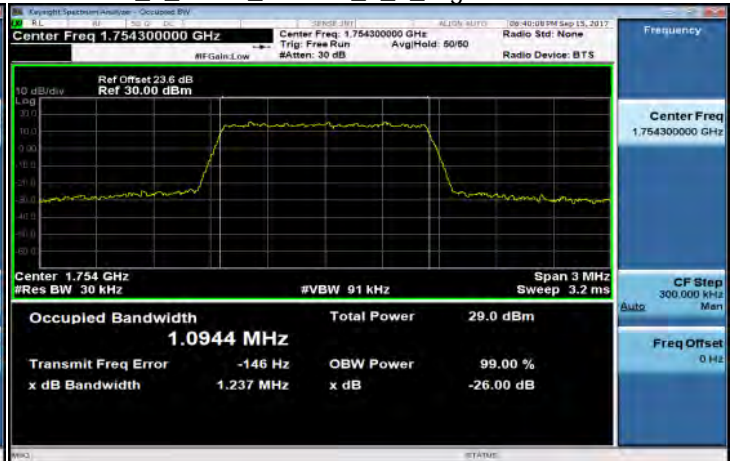
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Band4_1_4MHz_16QAM_6_0_HighCH20393-1754.3



Band4_1_4MHz_64QAM_6_0_HighCH20393-1754.3



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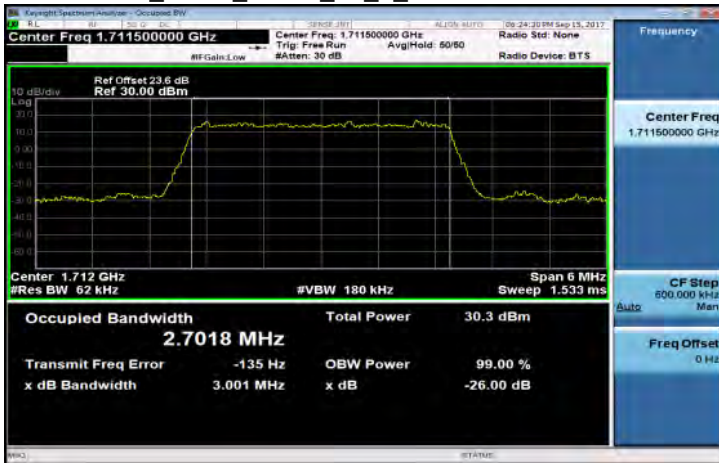
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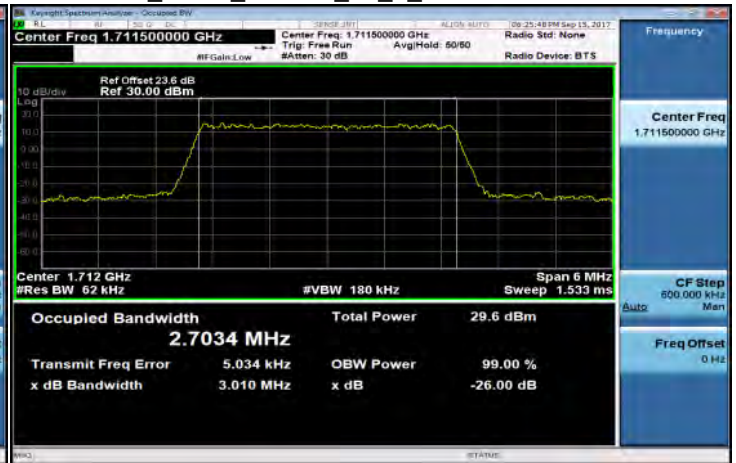
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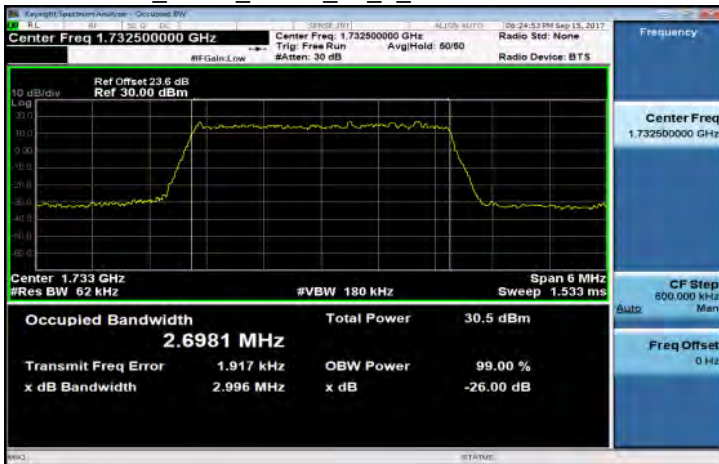
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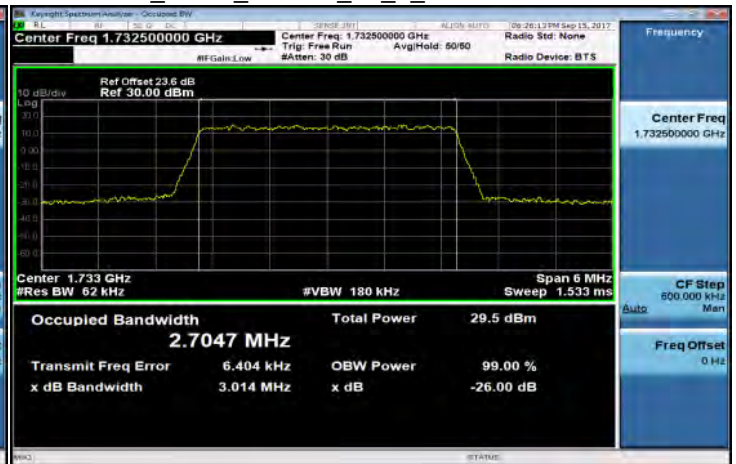
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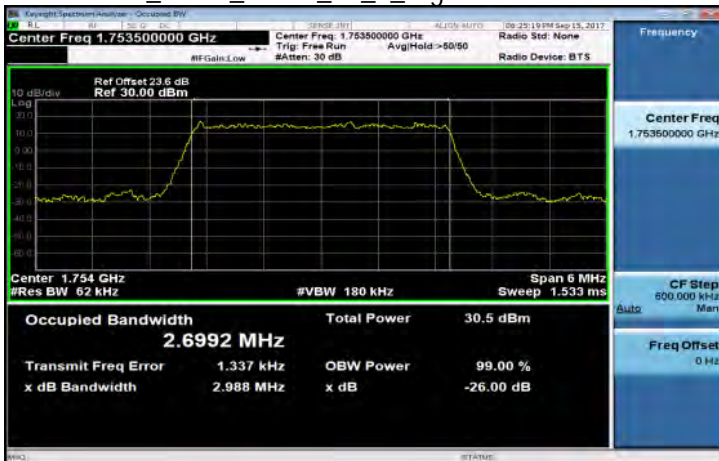
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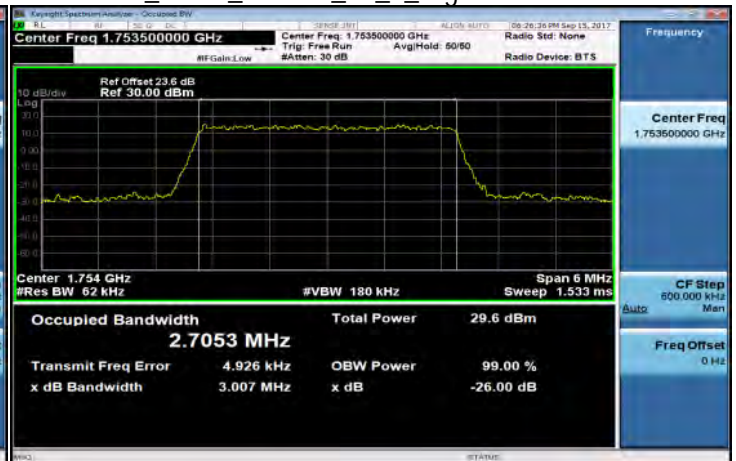
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Band4_3MHz_16QAM_15_0_HighCH20385-1753.5



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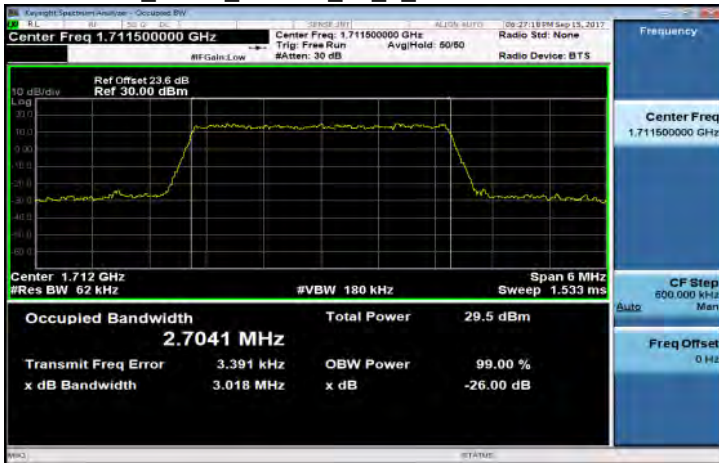
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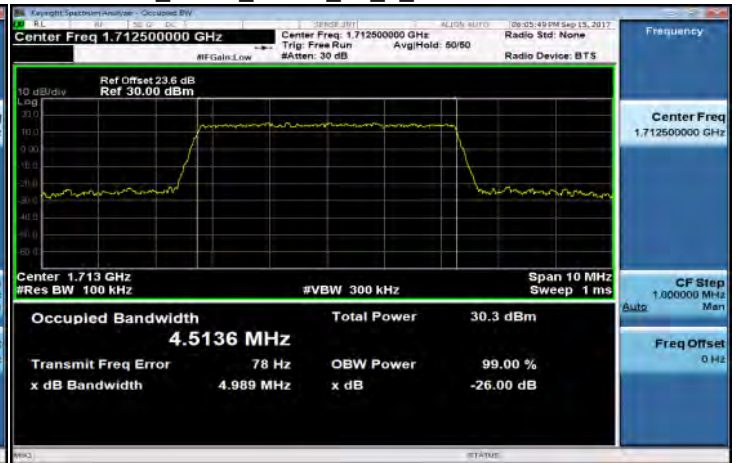
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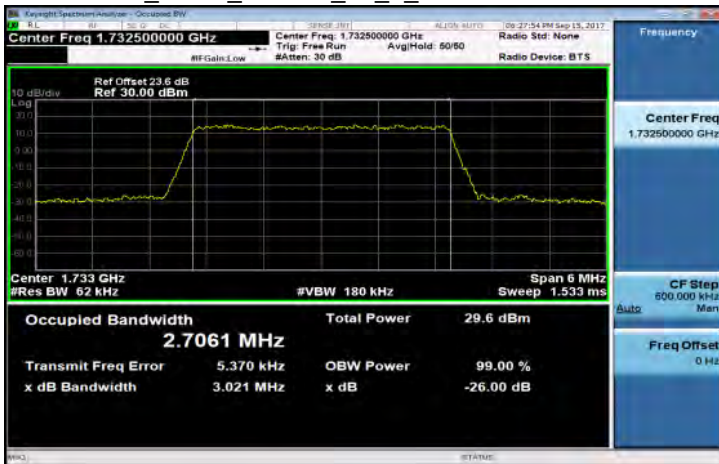
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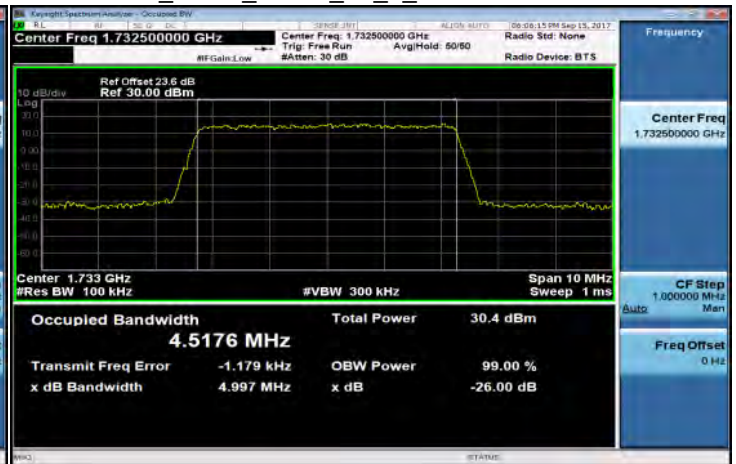
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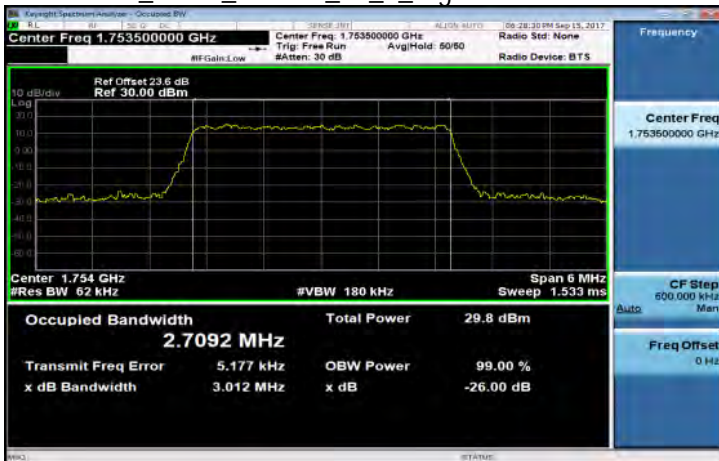
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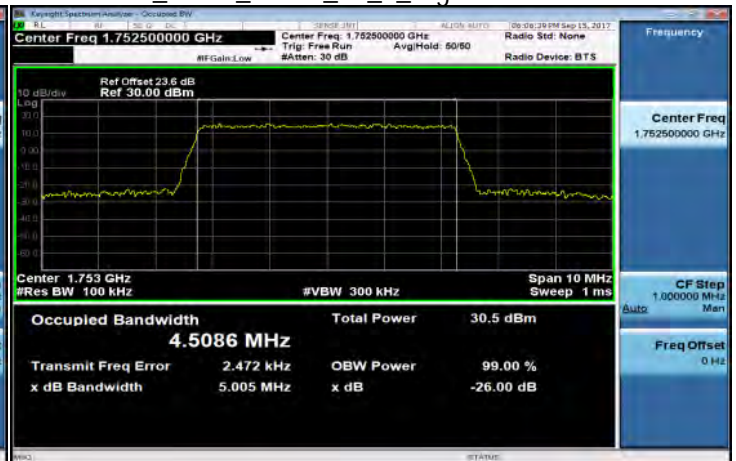
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Band4_5MHz_QPSK_25_0_HighCH20375-1752.5



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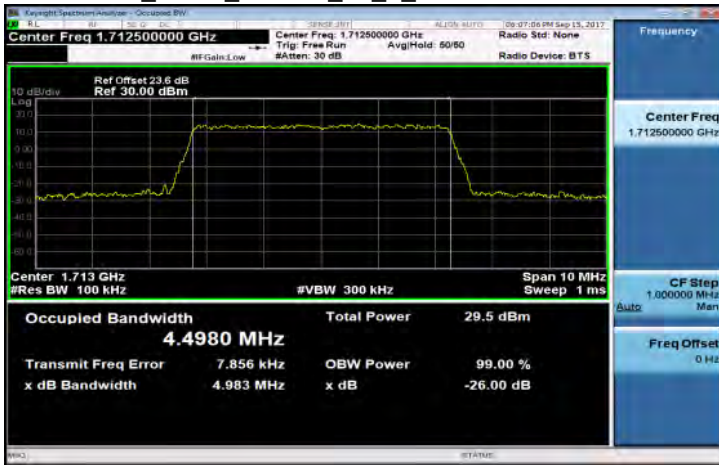
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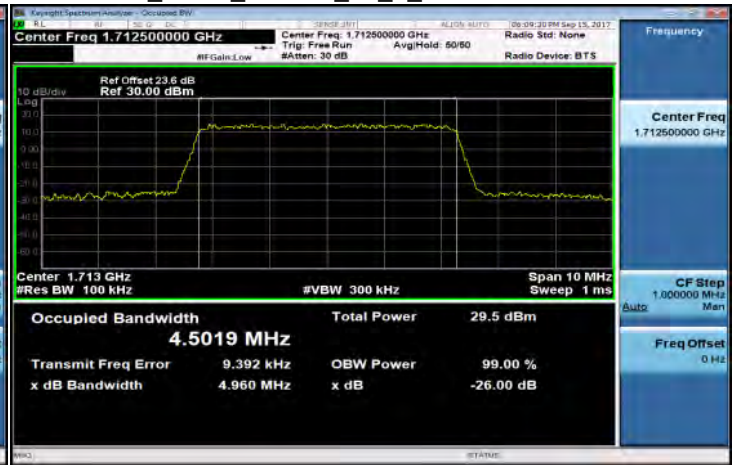
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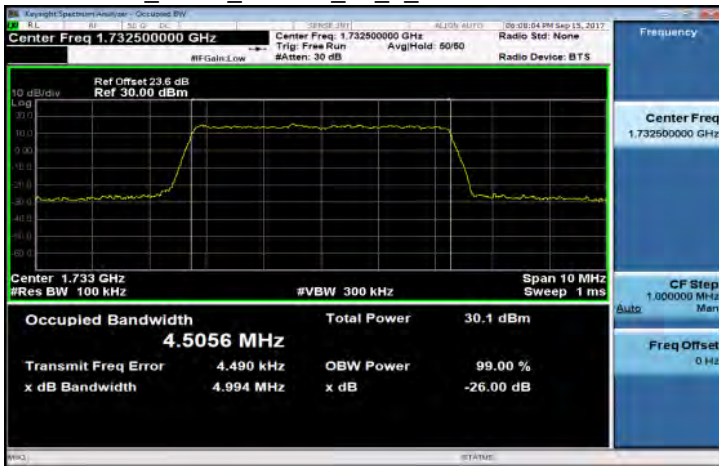
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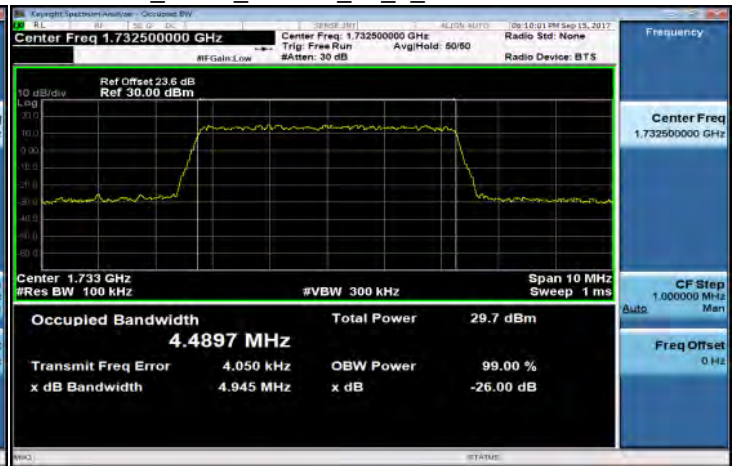
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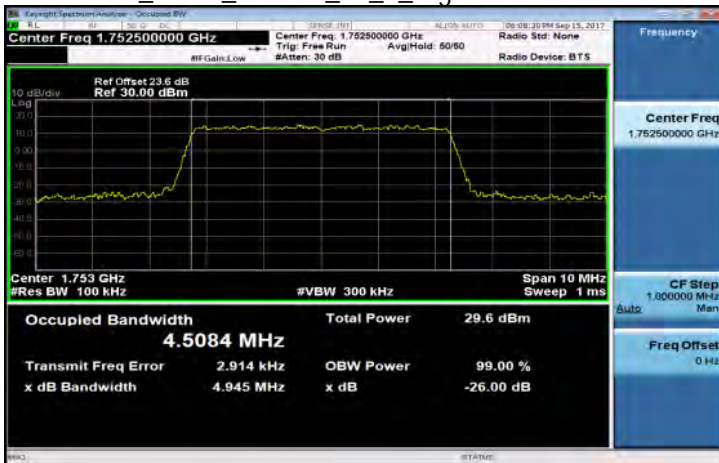
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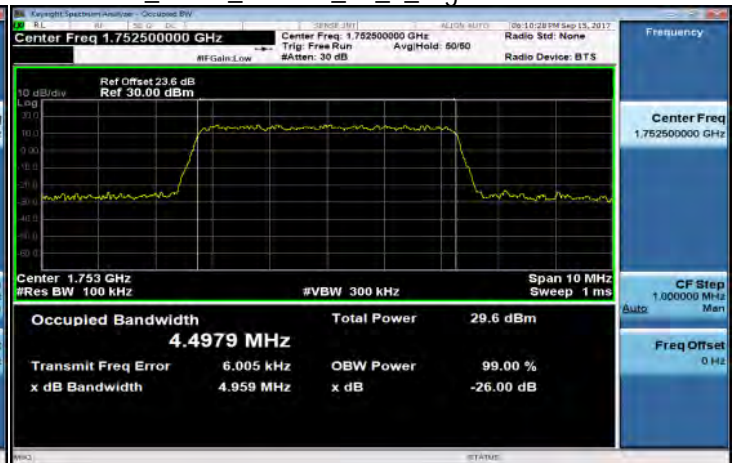
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Band4_5MHz_64QAM_25_0_HighCH20375-1752.5



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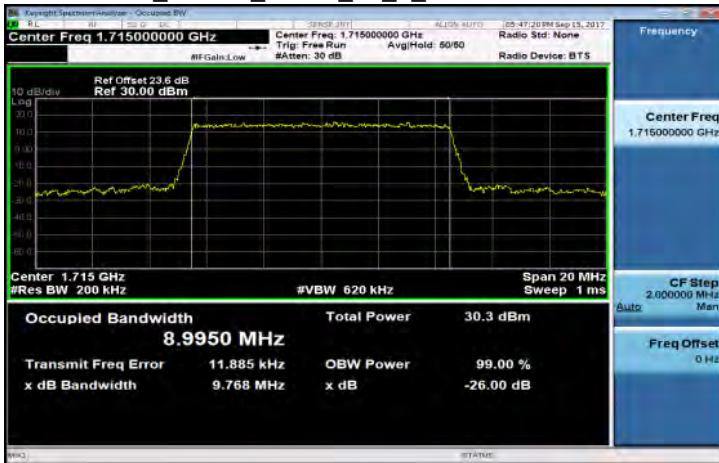
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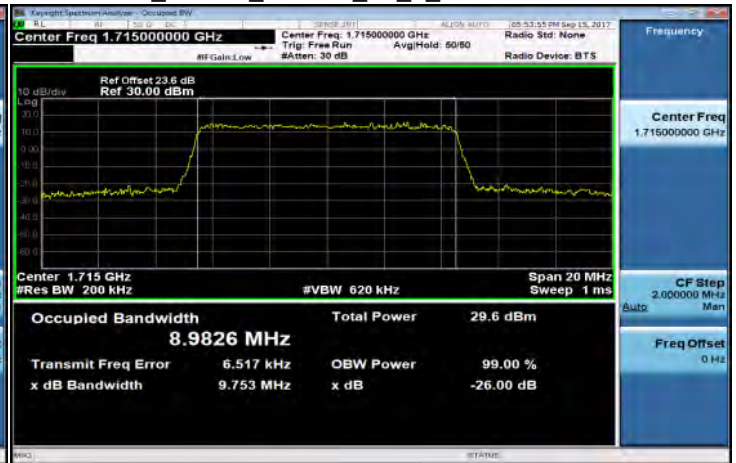
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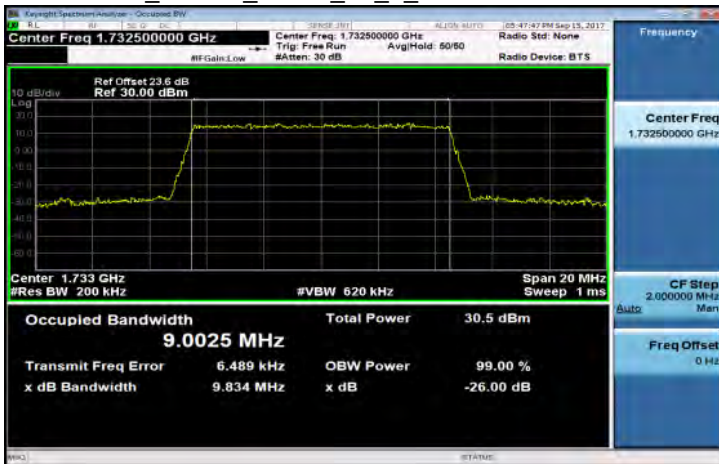
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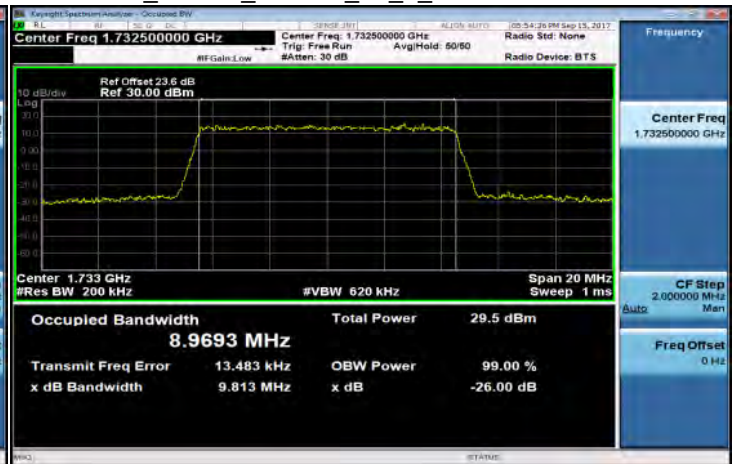
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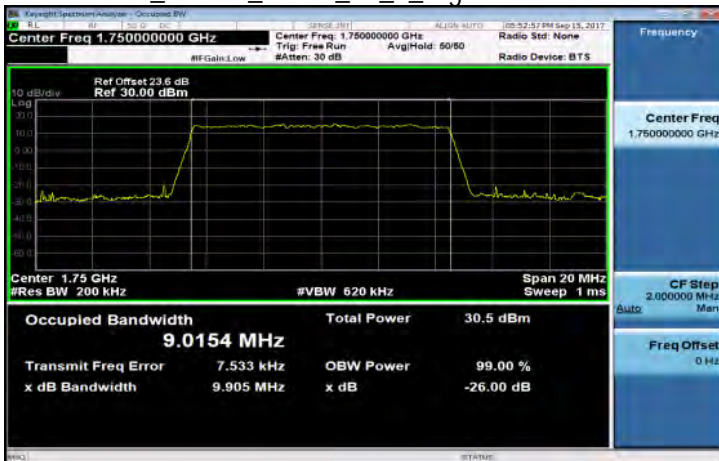
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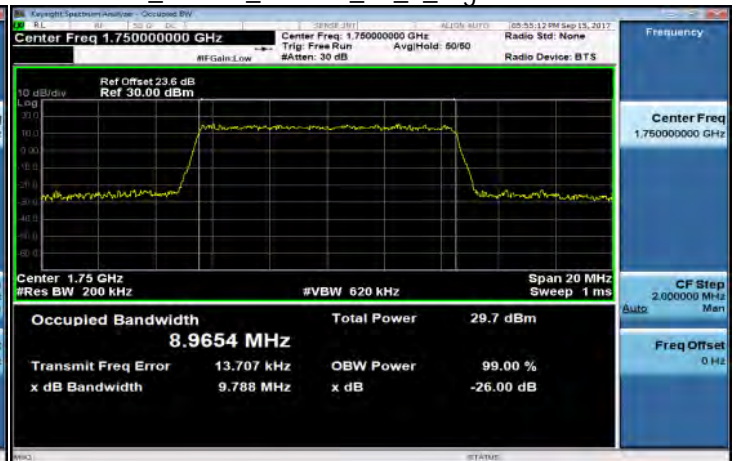
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Band4_10MHz_16QAM_50_0_HighCH20350-1750



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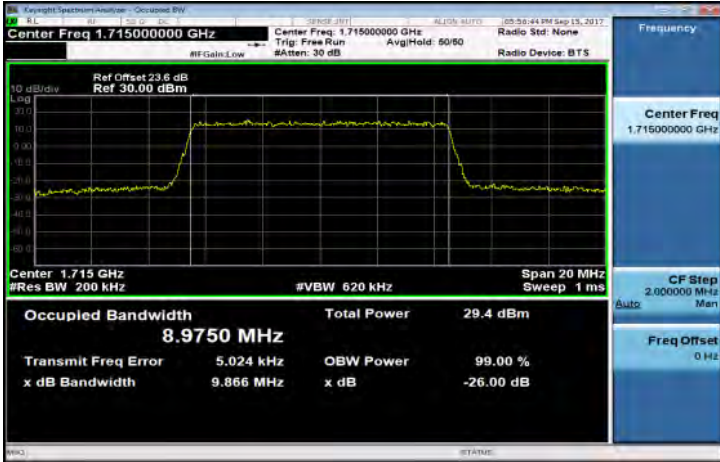
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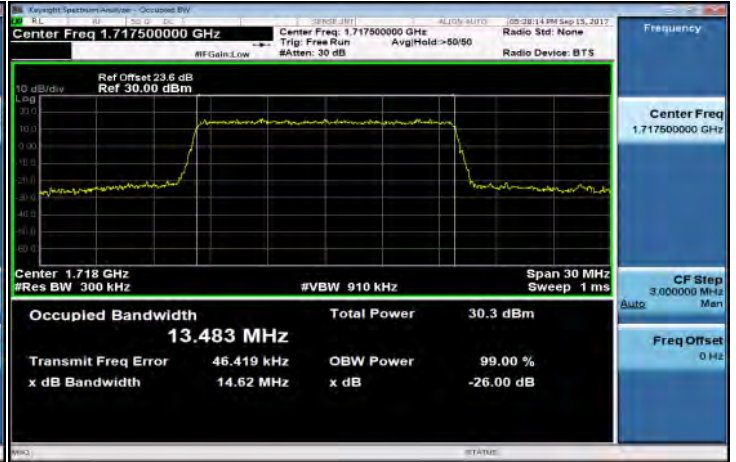
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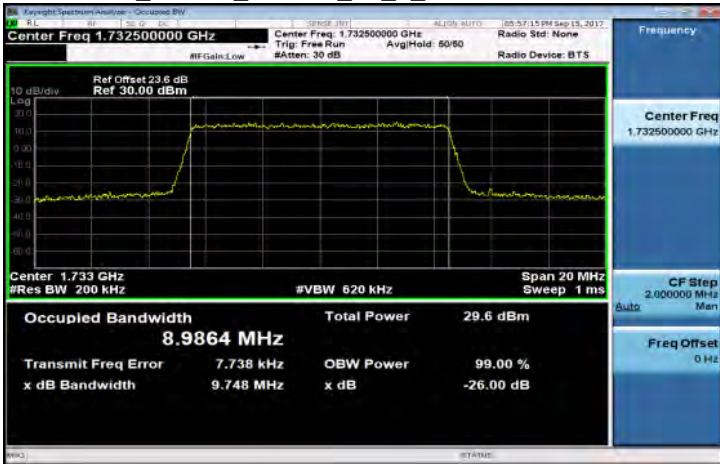
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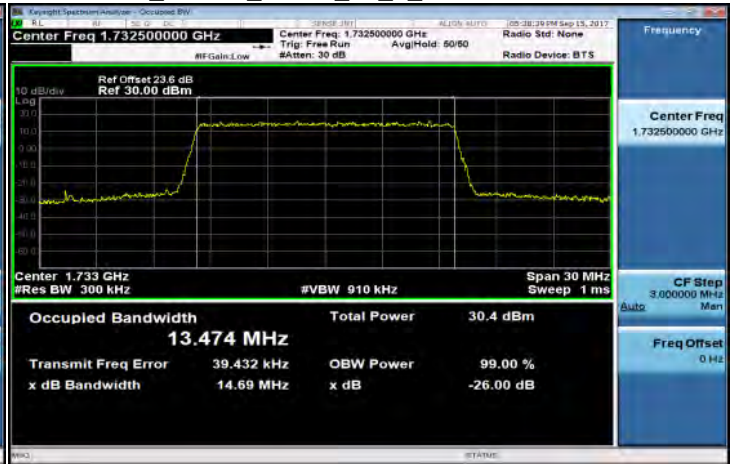
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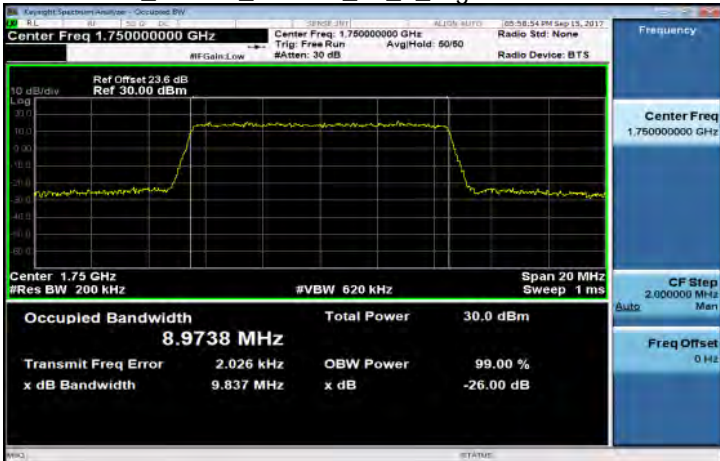
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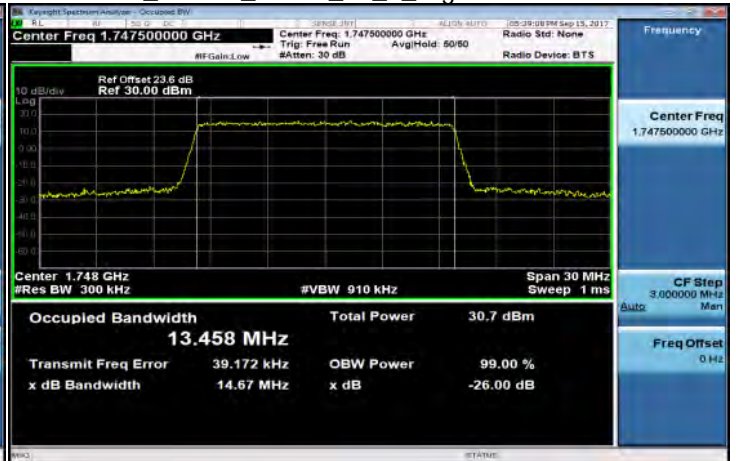
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Band4_10MHz_64QAM_50_0_HighCH20350-1750



Band4_15MHz_QPSK_75_0_HighCH20325-1747.5



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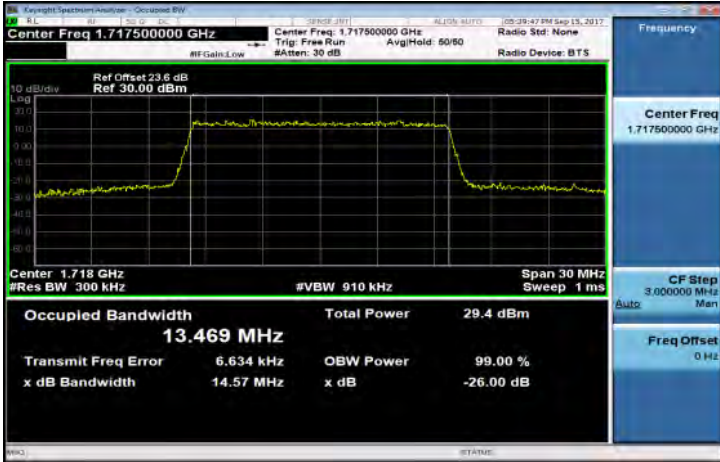
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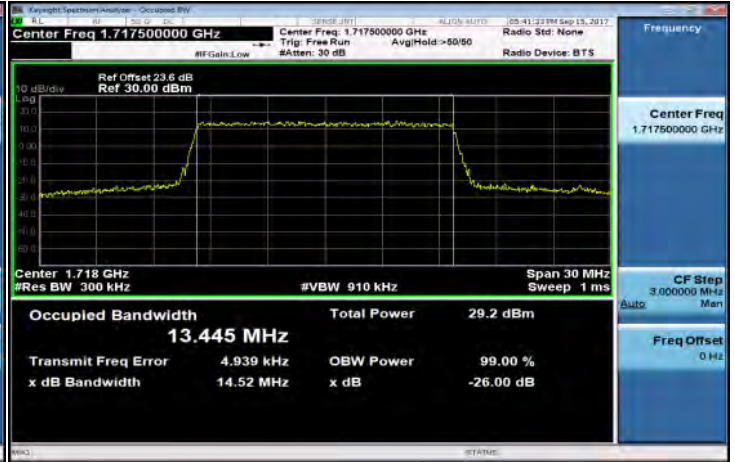
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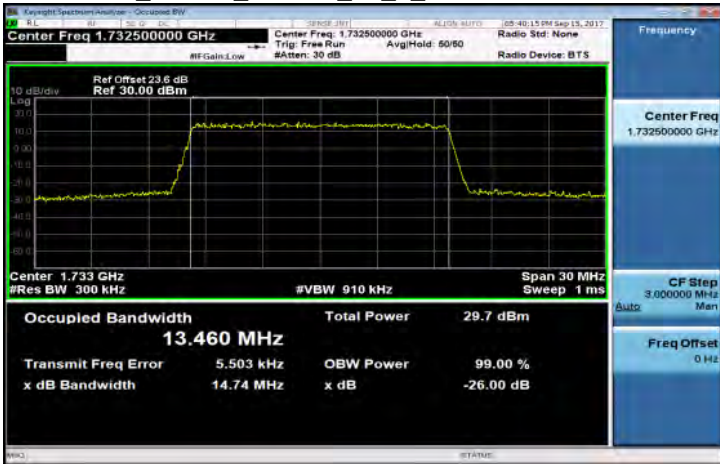
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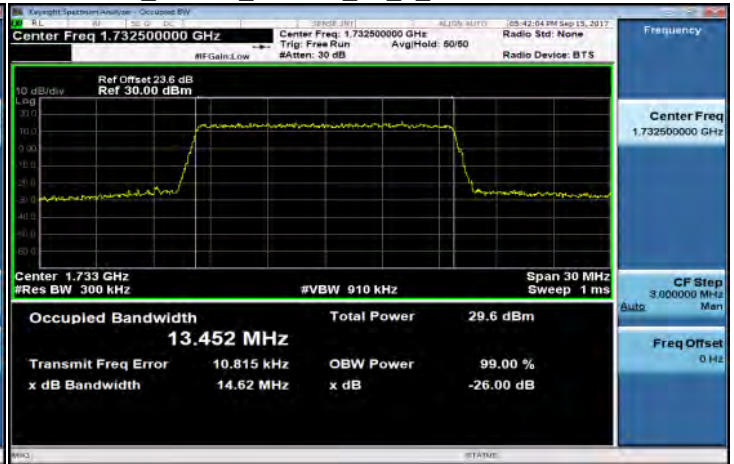
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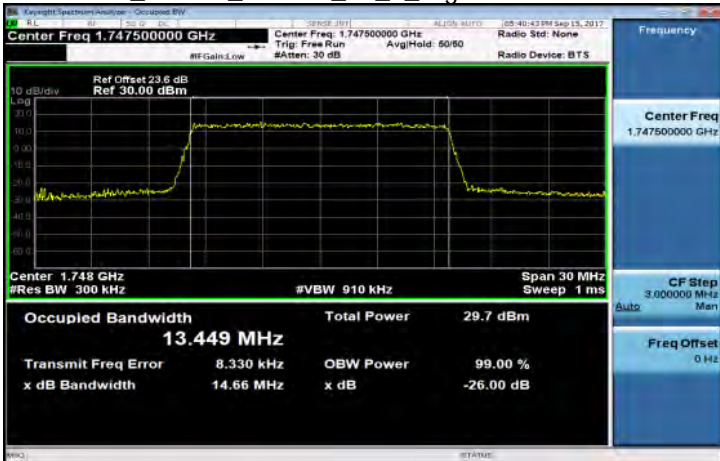
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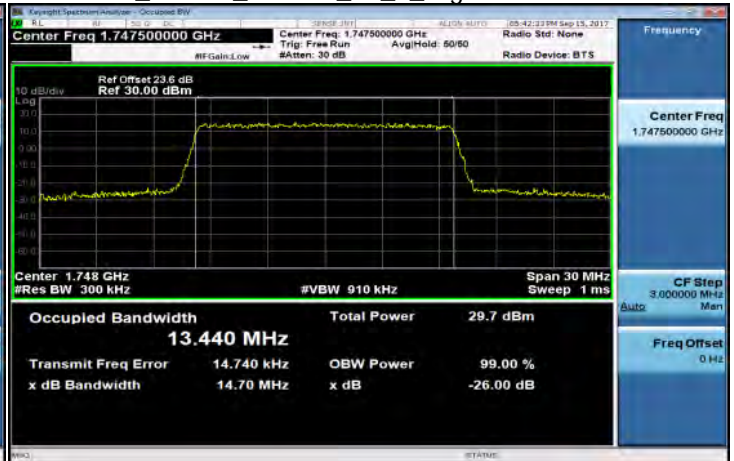
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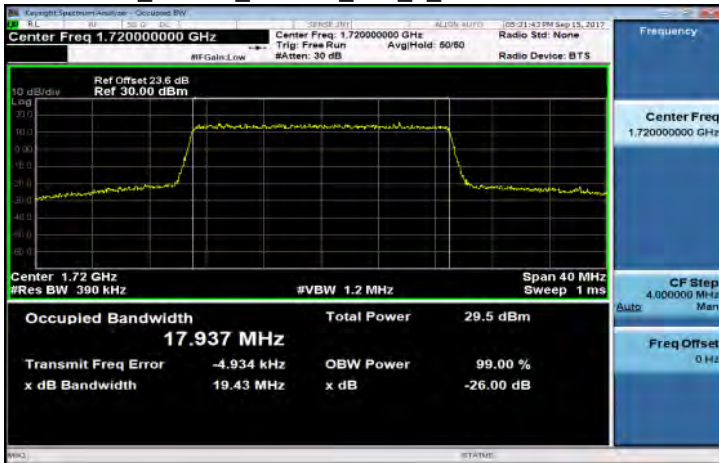
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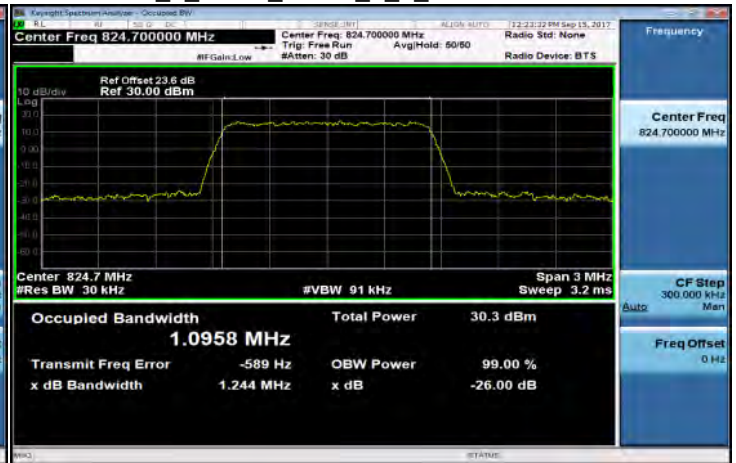
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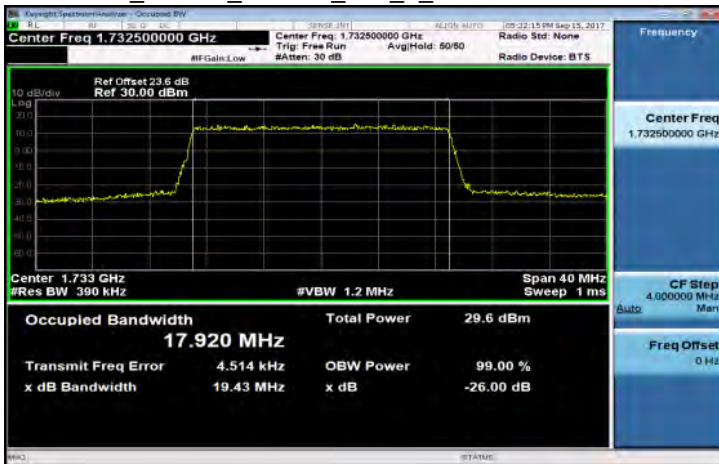
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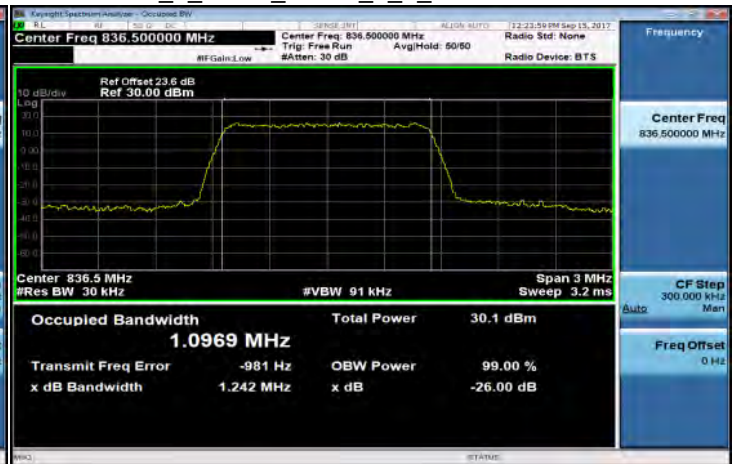
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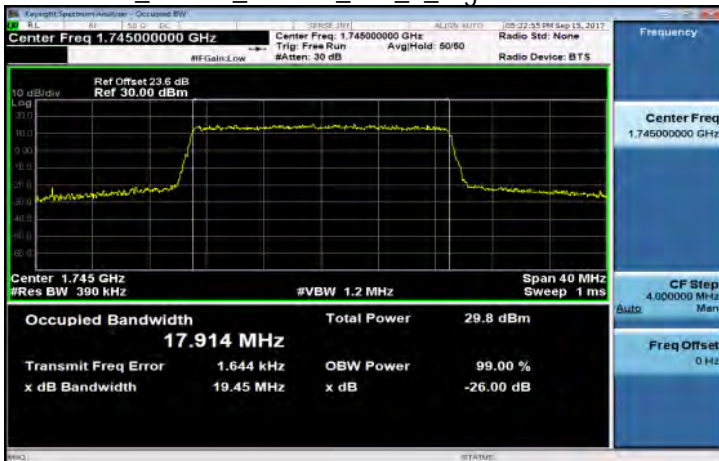
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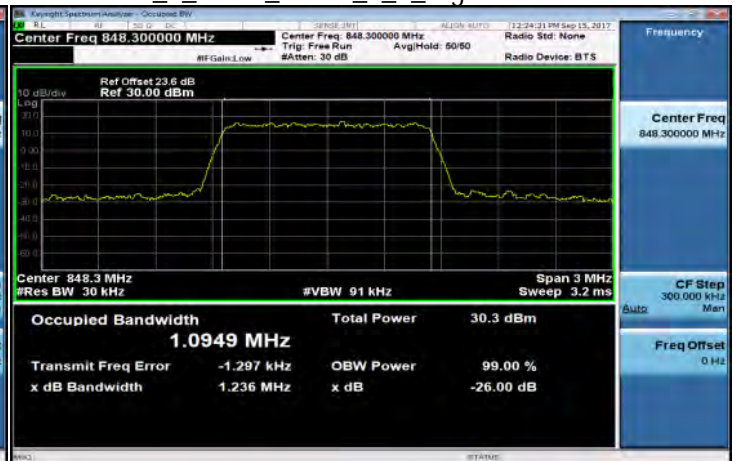
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Band5_1_4MHz_QPSK_6_0_HighCH20643-848.3



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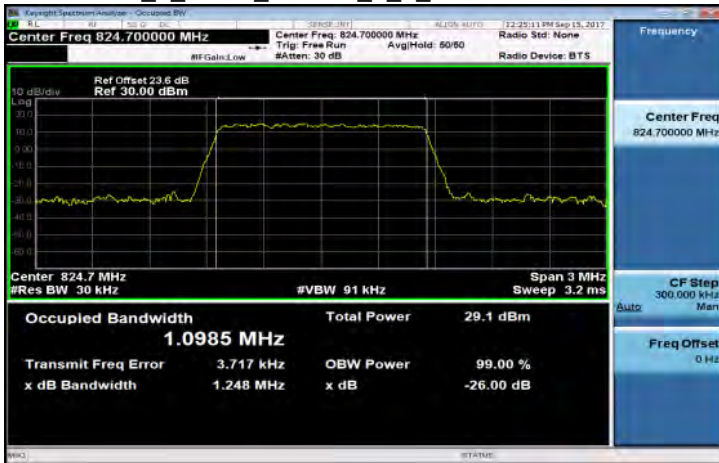
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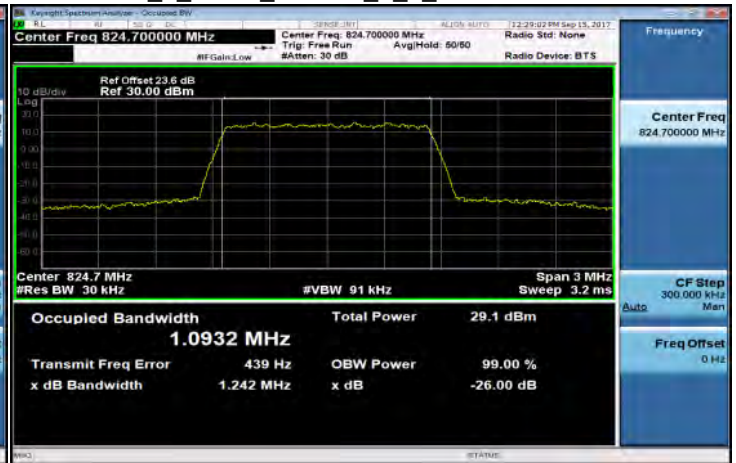
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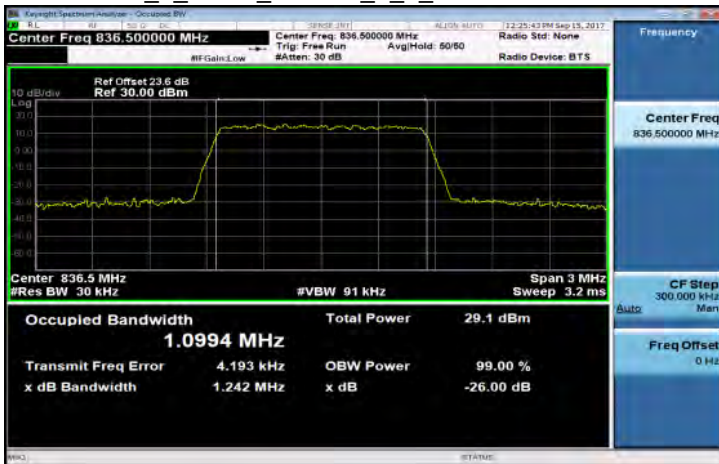
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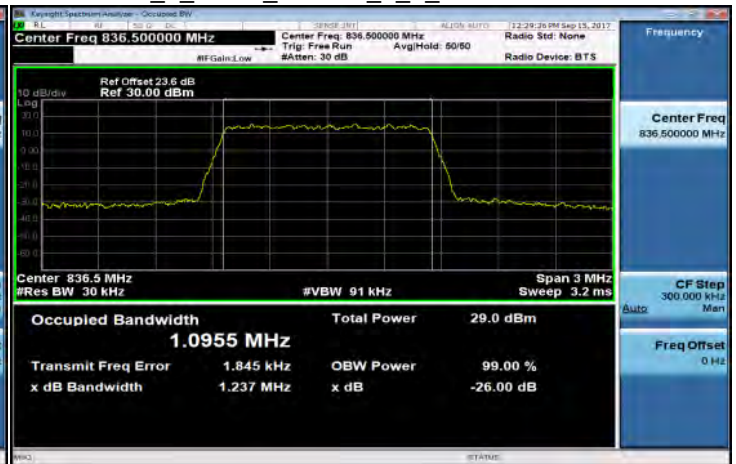
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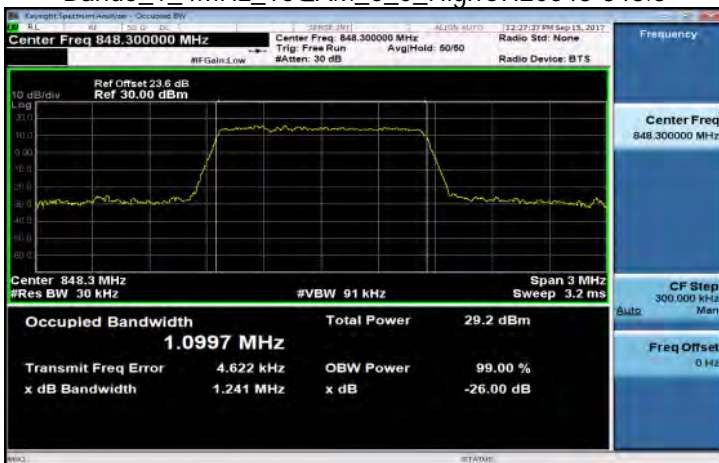
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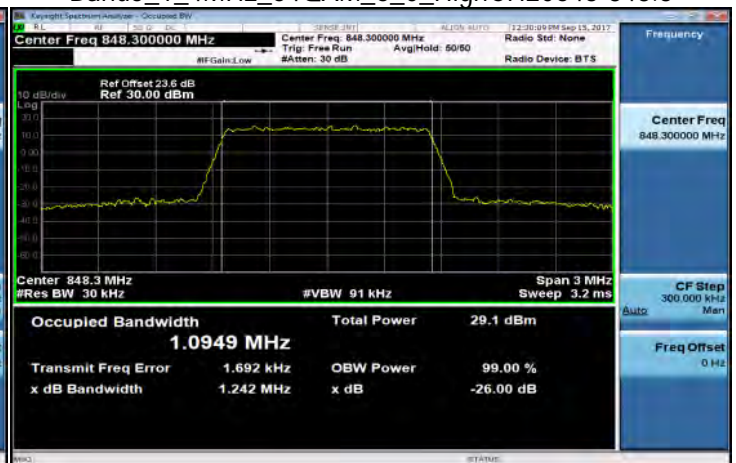
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Band5_1_4MHz_64QAM_6_0_HighCH20643-848.3



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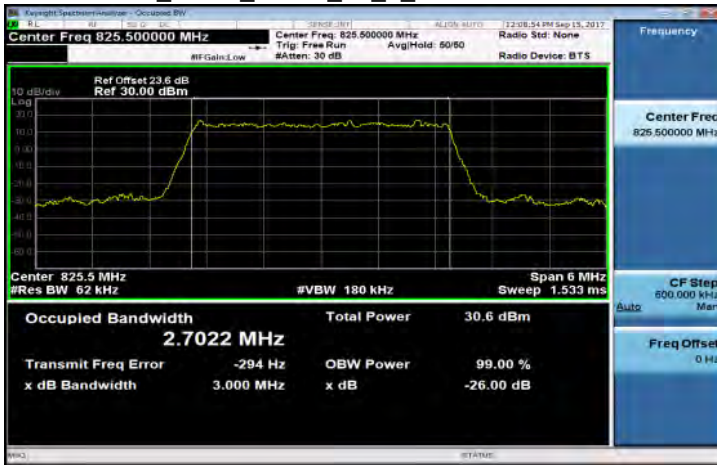
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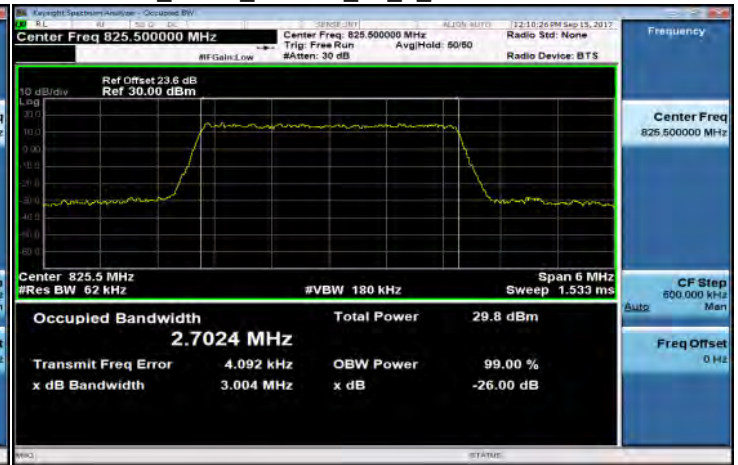
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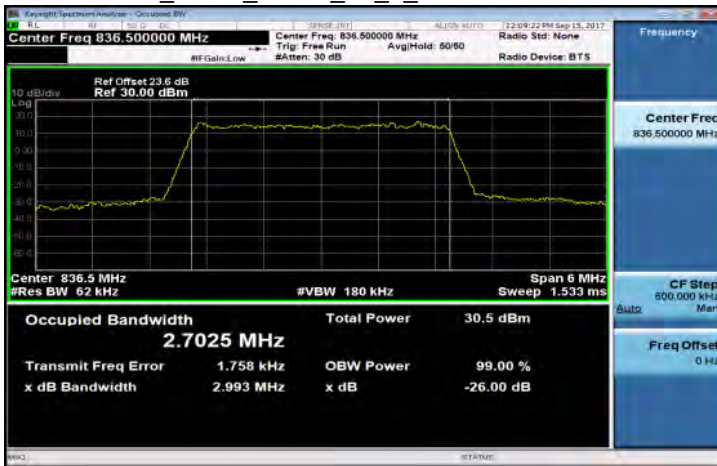
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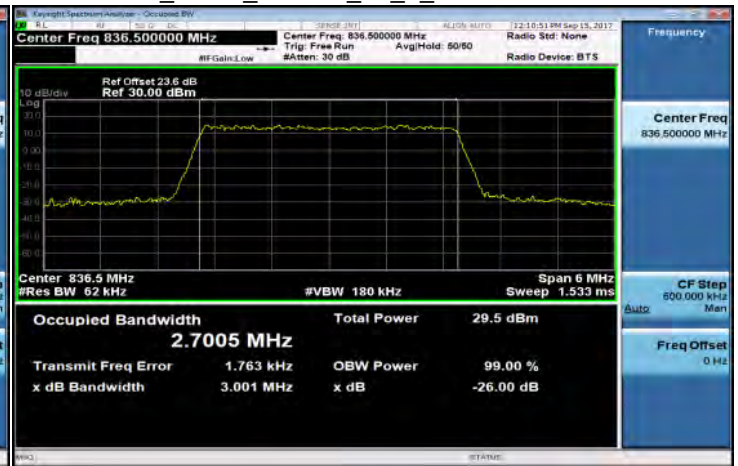
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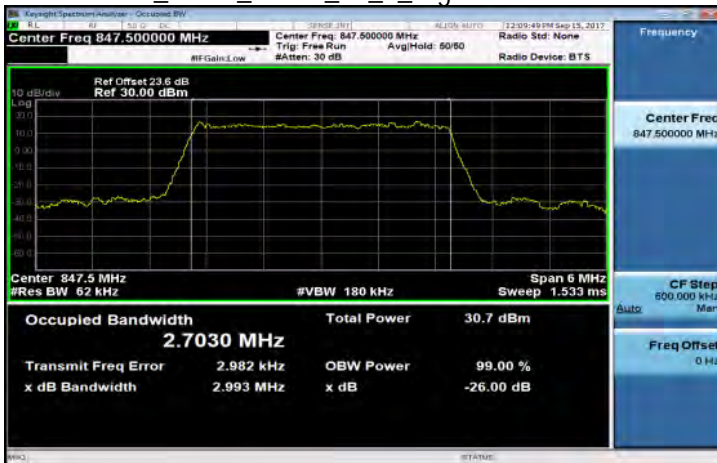
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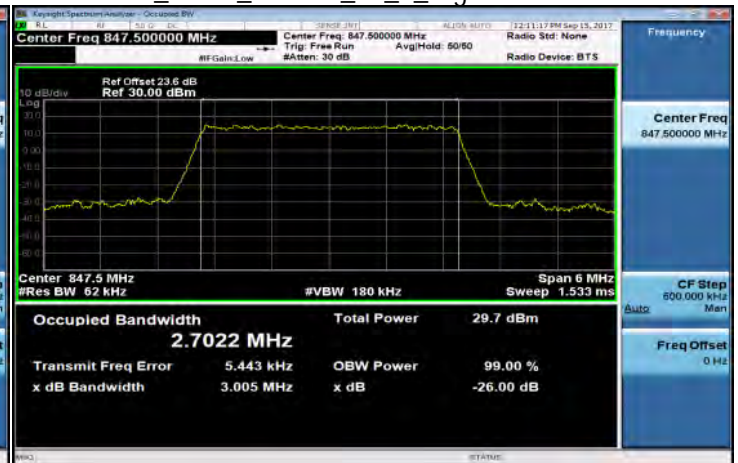
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Band5_3MHz_16QAM_15_0_HighCH20635-847.5



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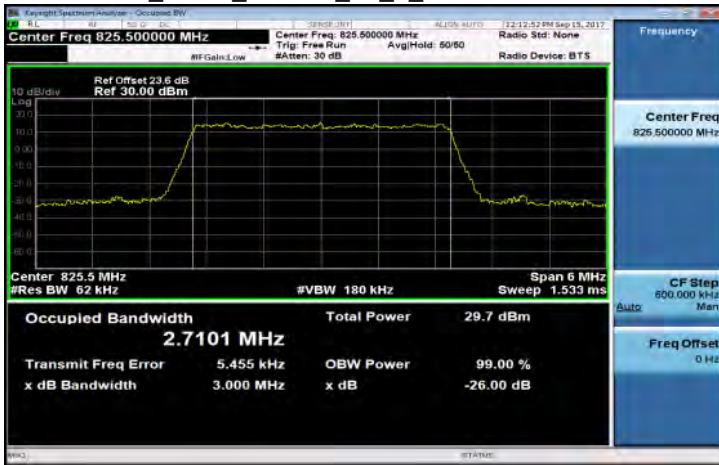
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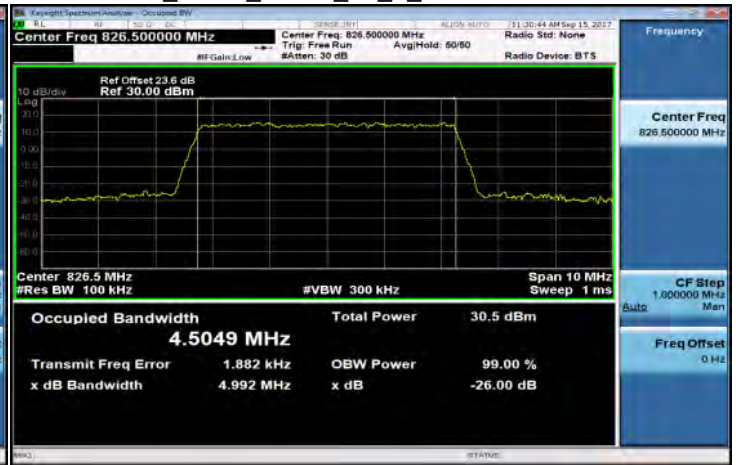
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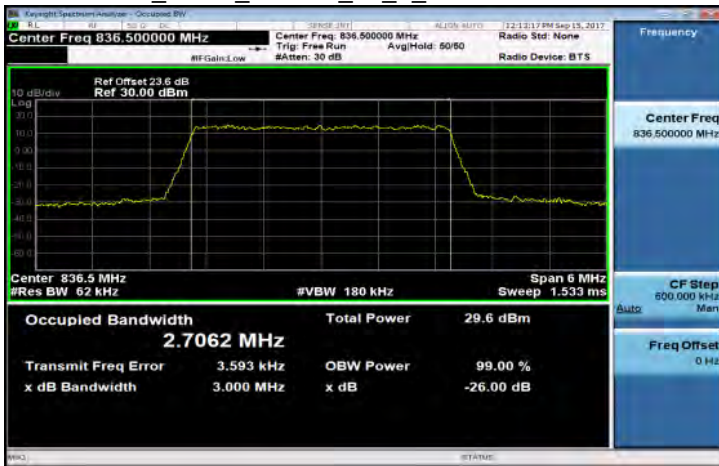
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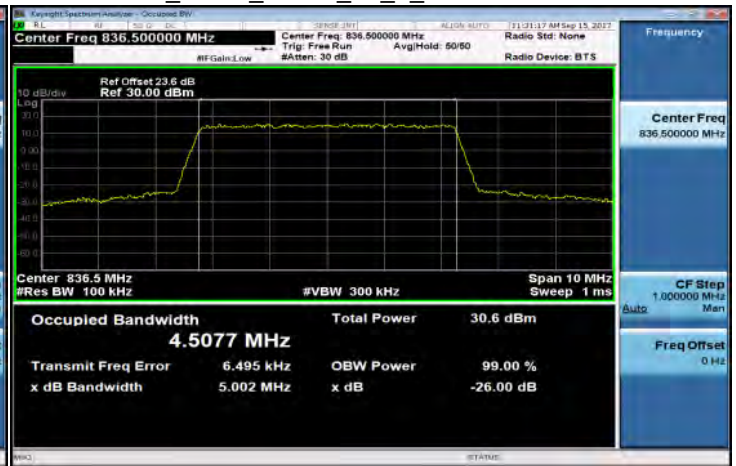
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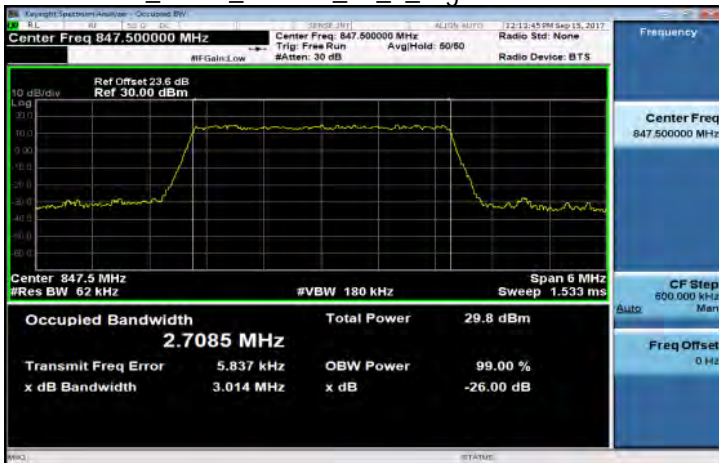
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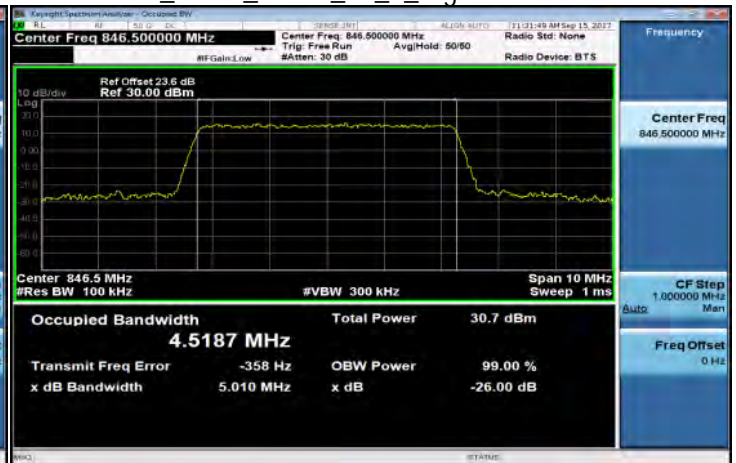
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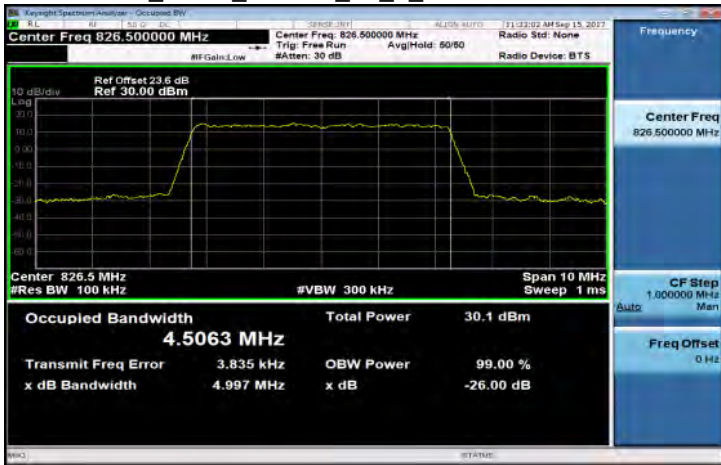


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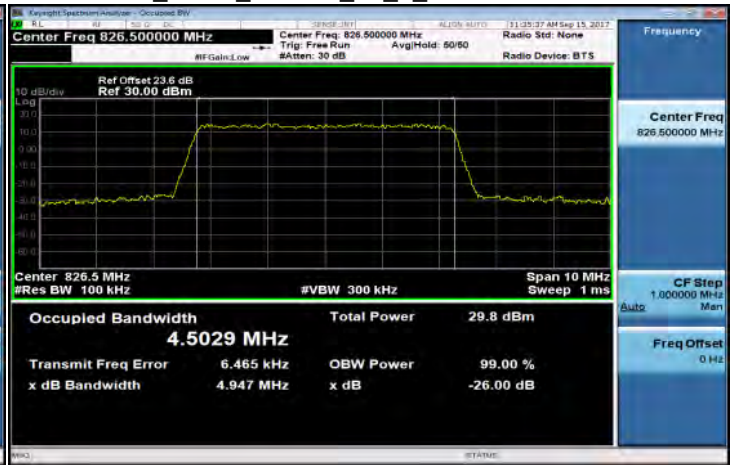
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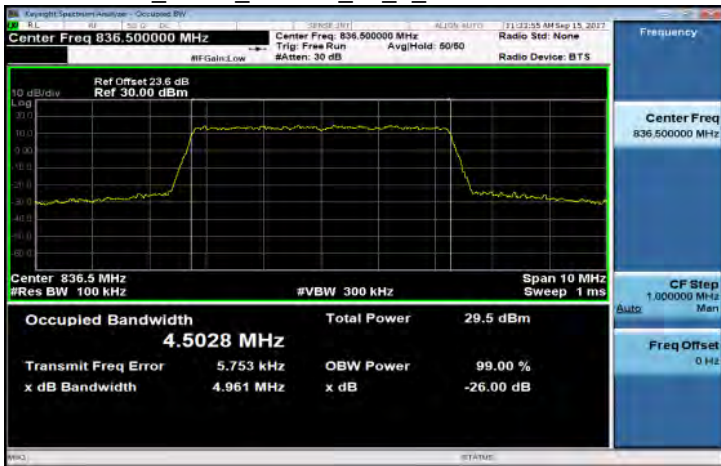
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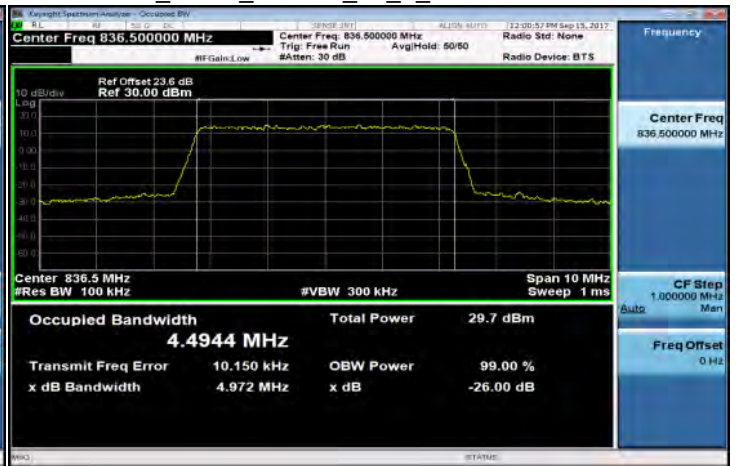
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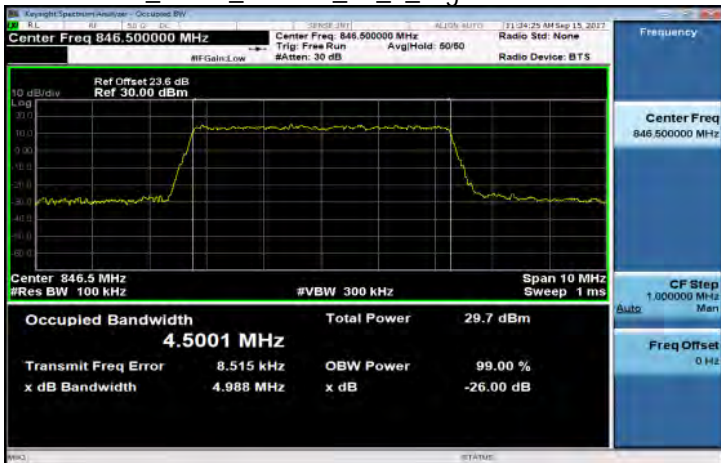
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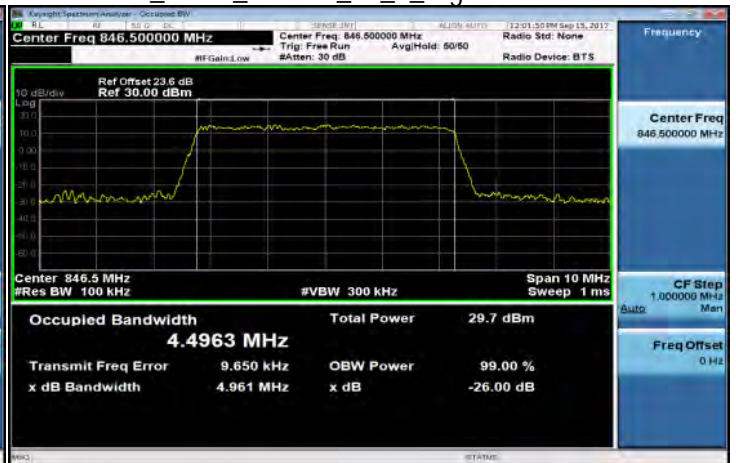
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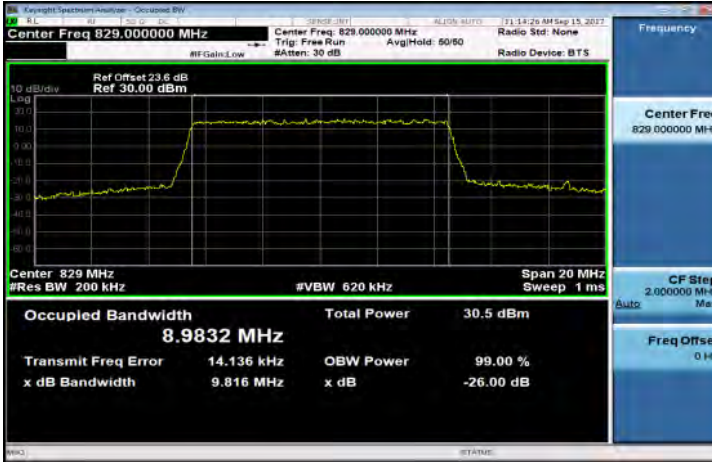
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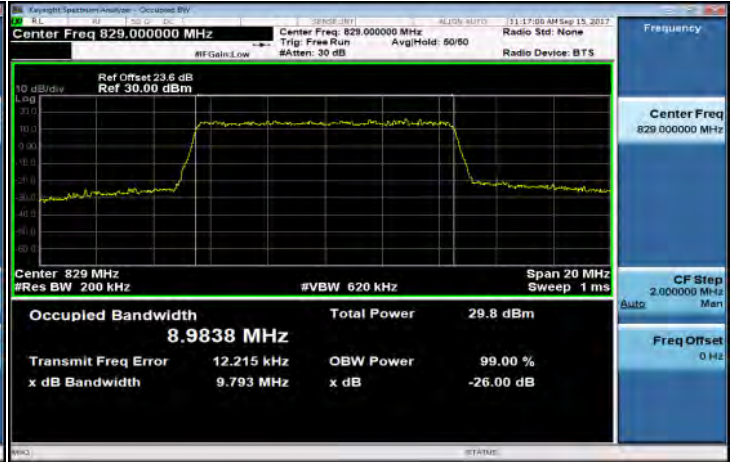
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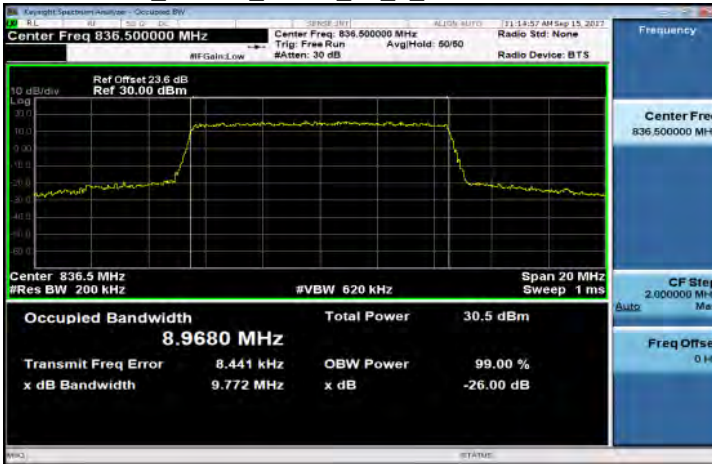
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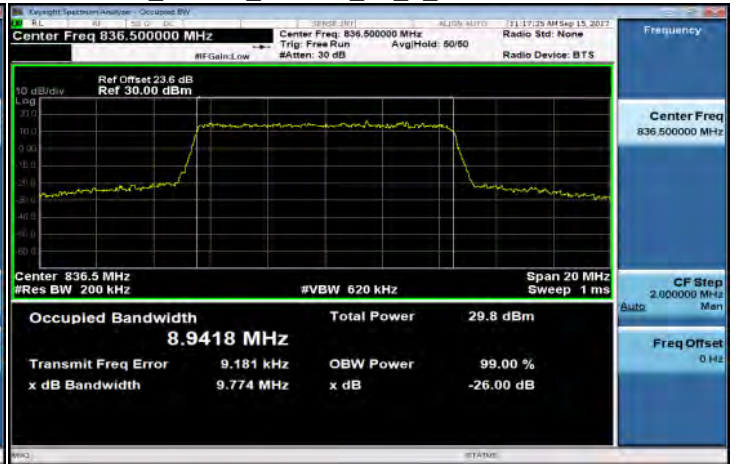
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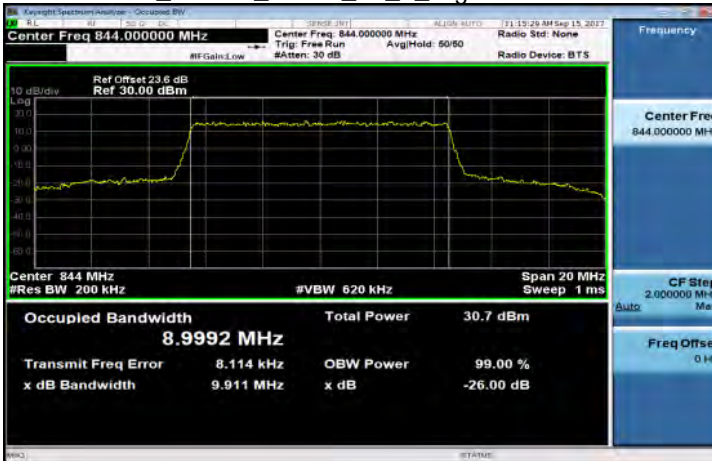
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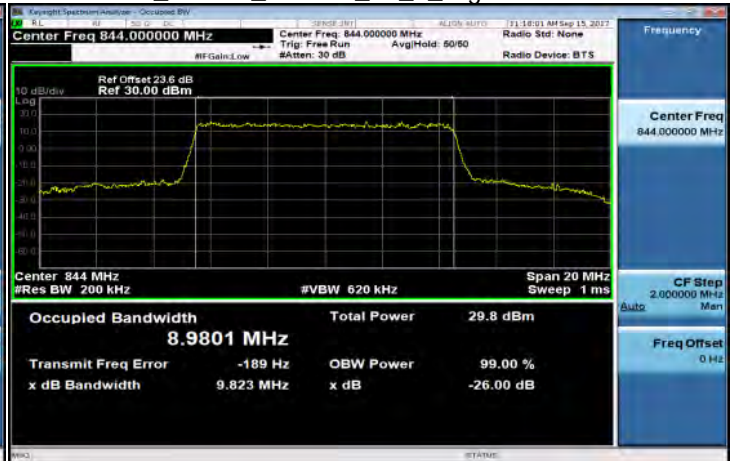
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Band5_10MHz_QPSK_50_0_HighCH20600-844



Band5_10MHz_16QAM_50_0_HighCH20600-844



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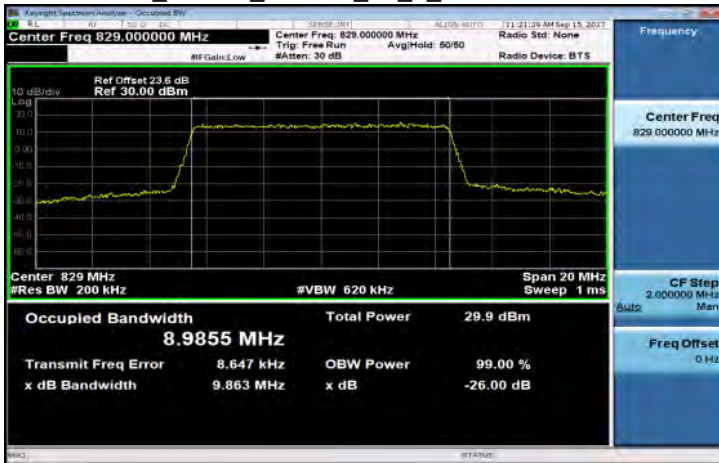
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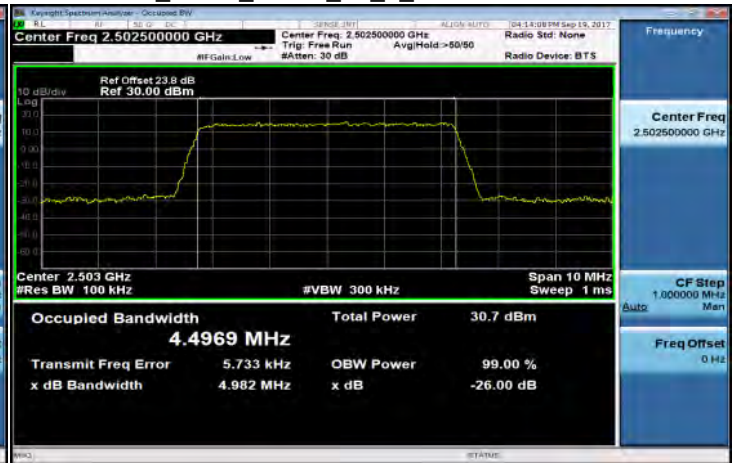
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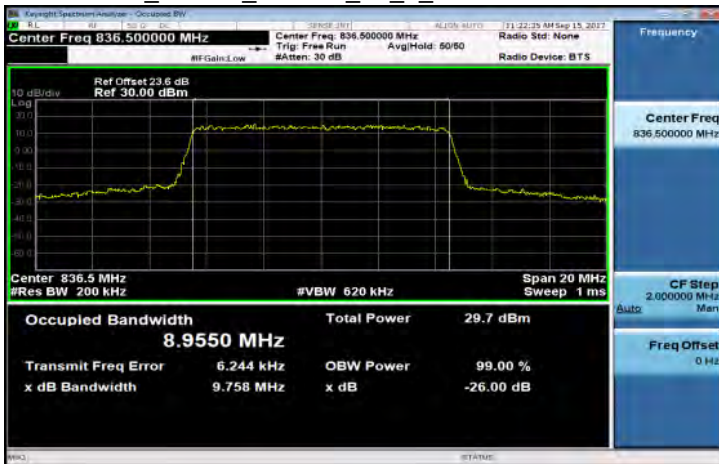
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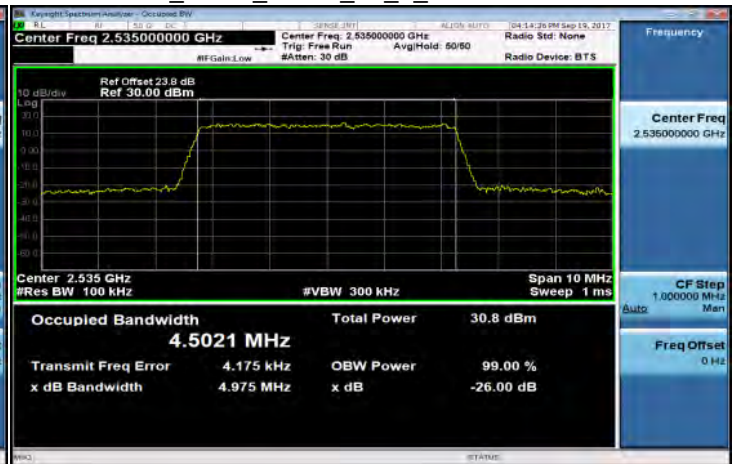
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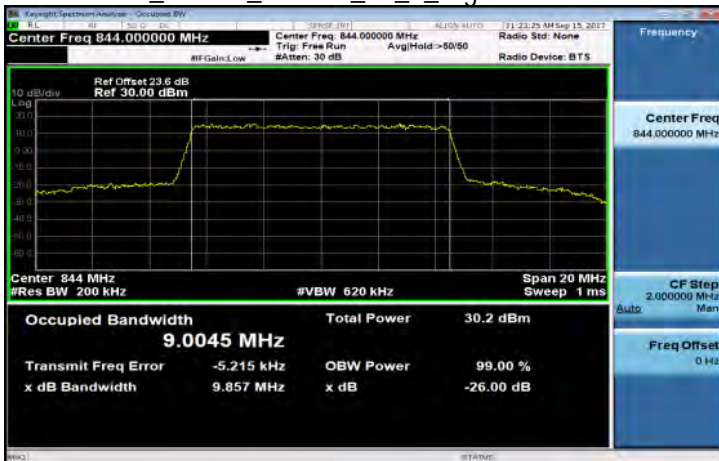
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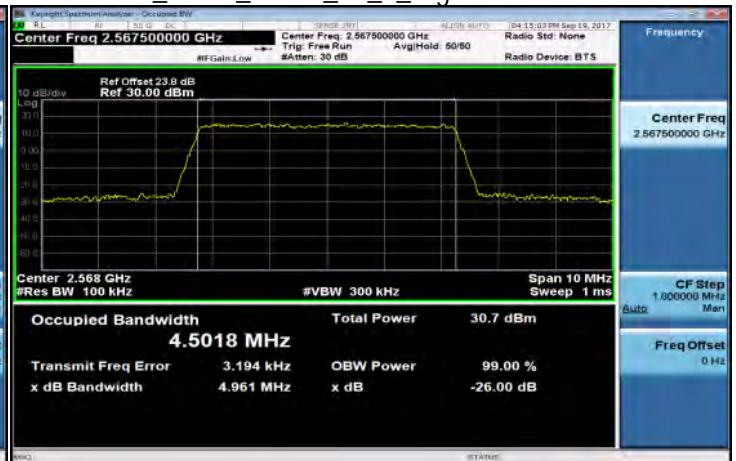
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Band7_5MHz_QPSK_25_0_HighCH21425-2567.5



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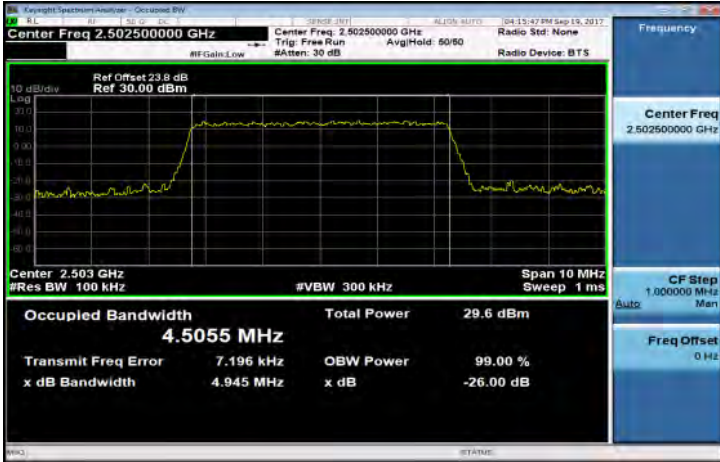
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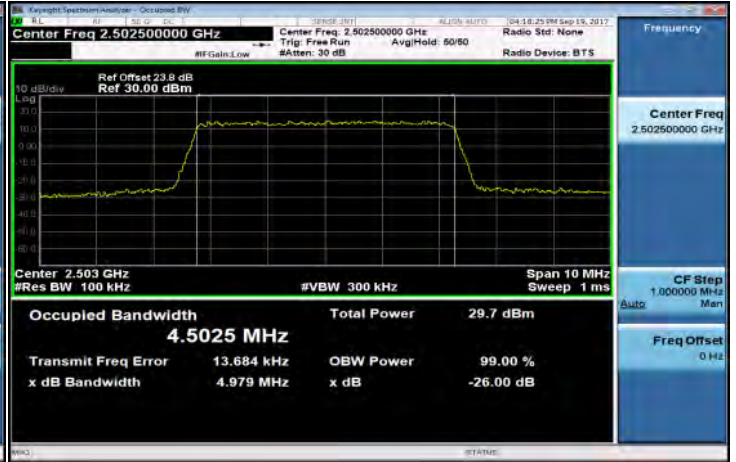
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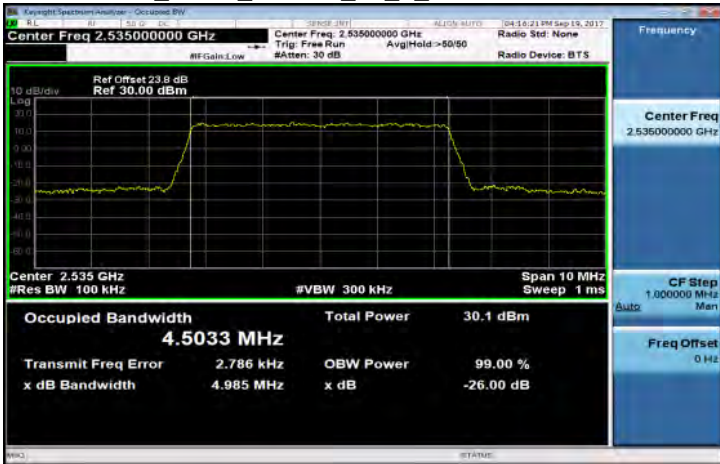
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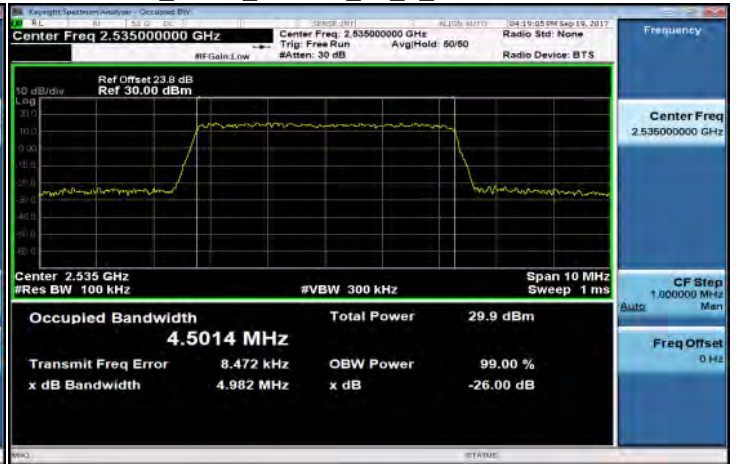
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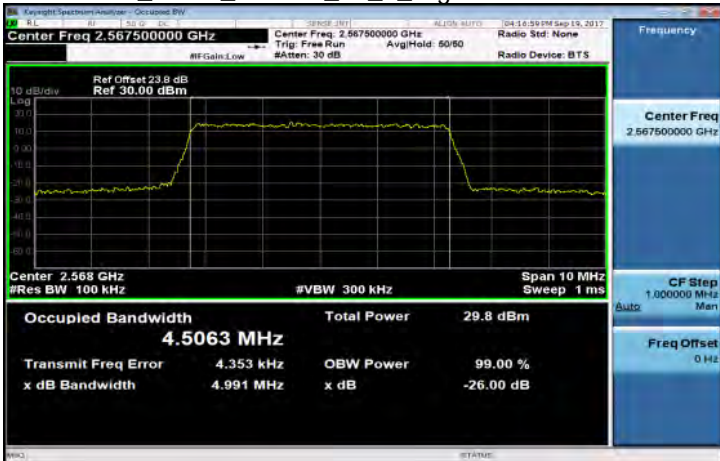
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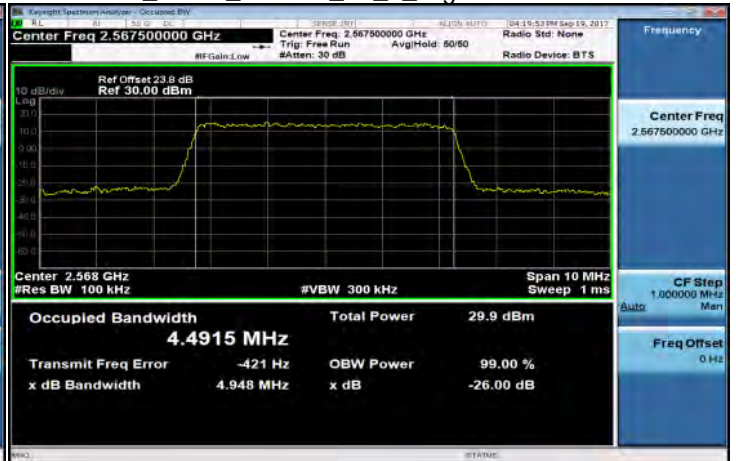
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Band7_5MHz_64QAM_25_0_HighCH21425-2567.5



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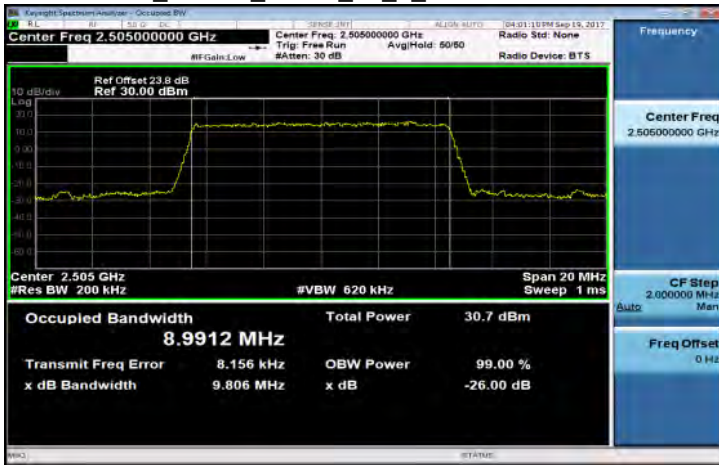
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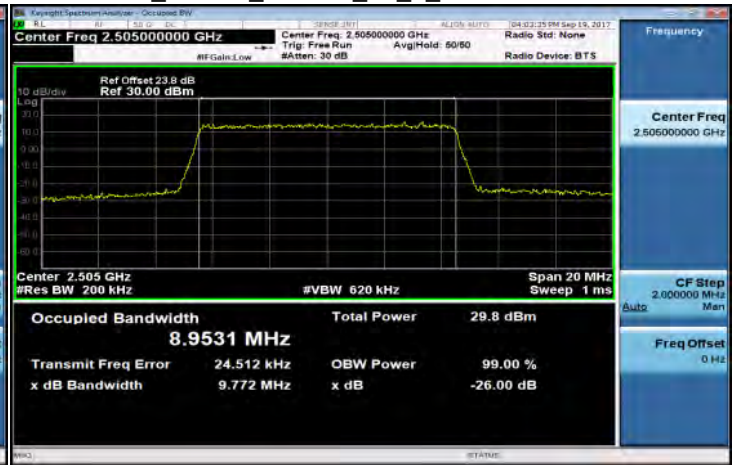
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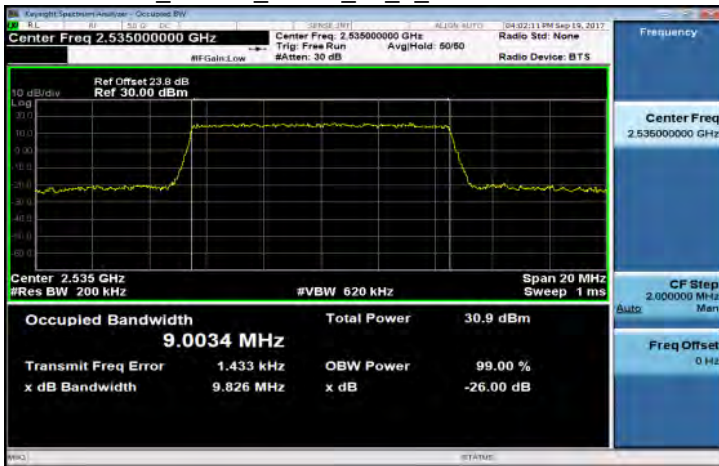
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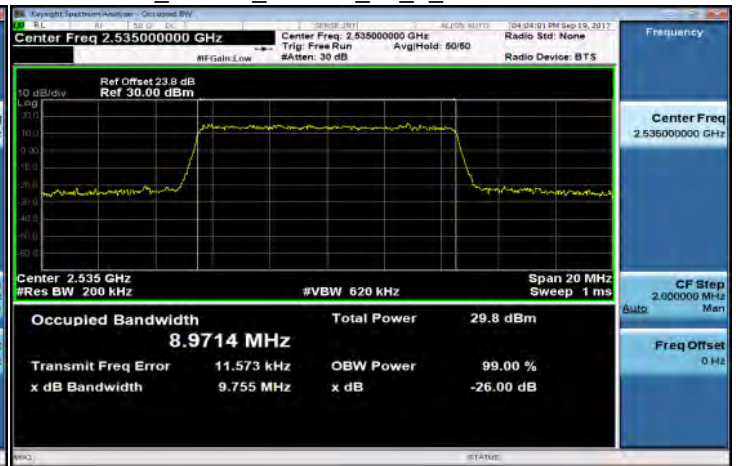
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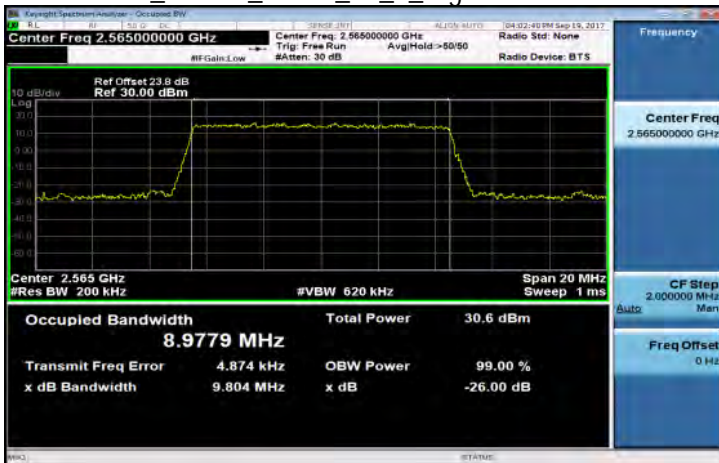
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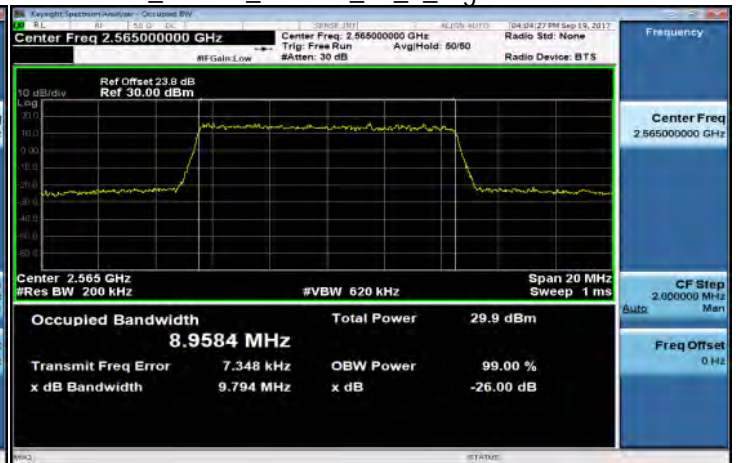
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Band7_10MHz_16QAM_50_0_HighCH21400-2565



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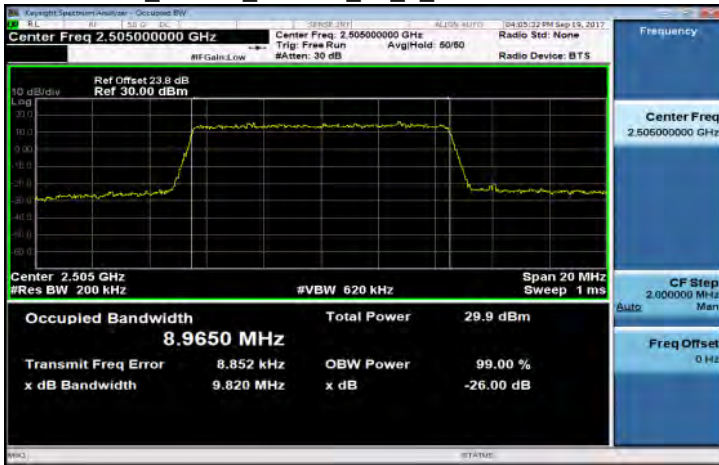
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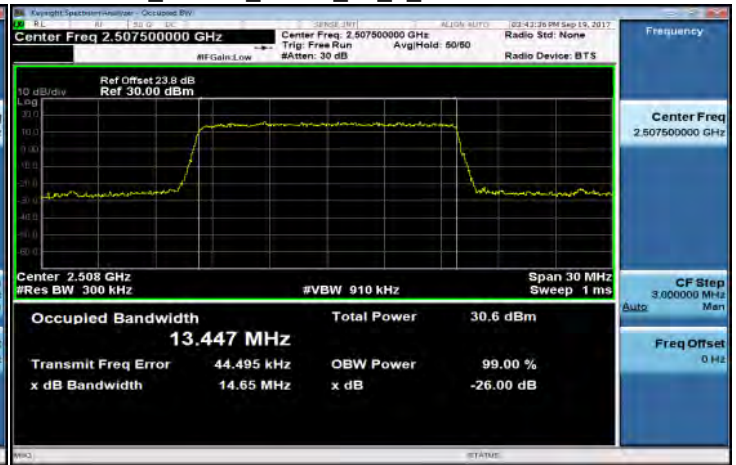
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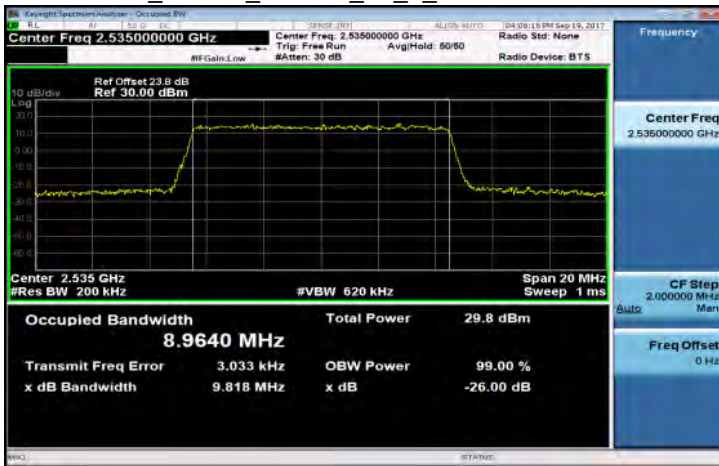
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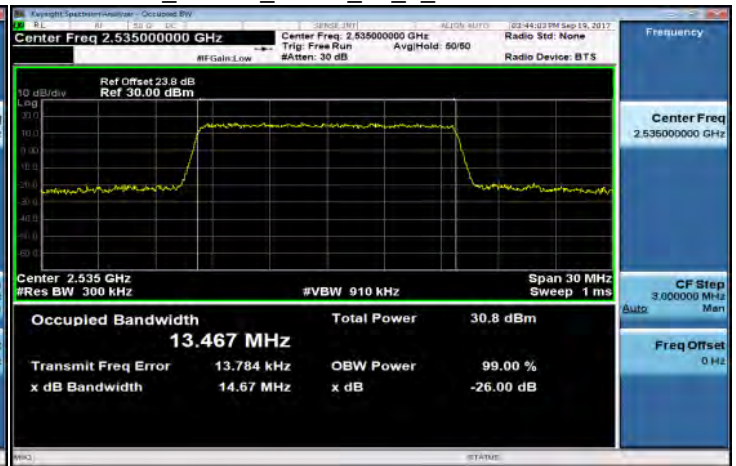
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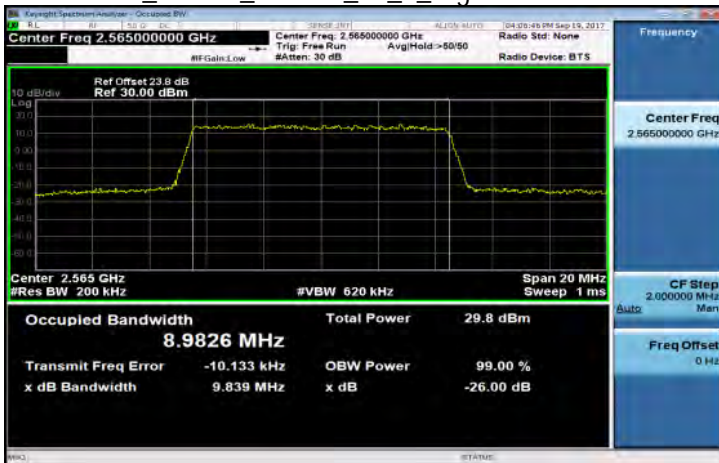
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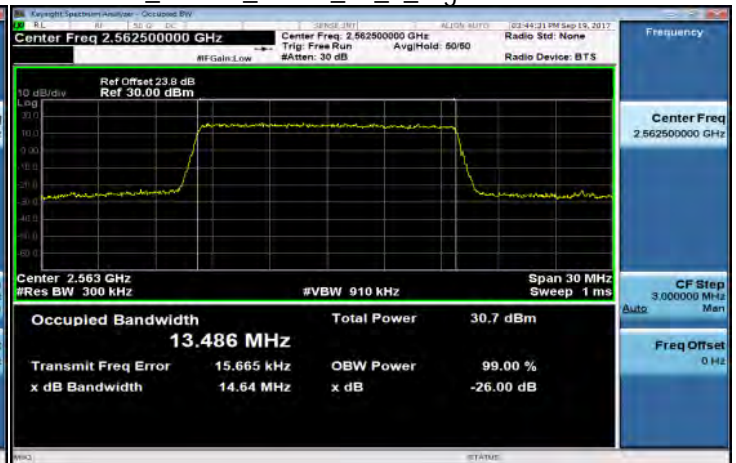
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Band7_10MHz_64QAM_50_0_HighCH21400-2565



Band7_15MHz_QPSK_75_0_HighCH21375-2562.5



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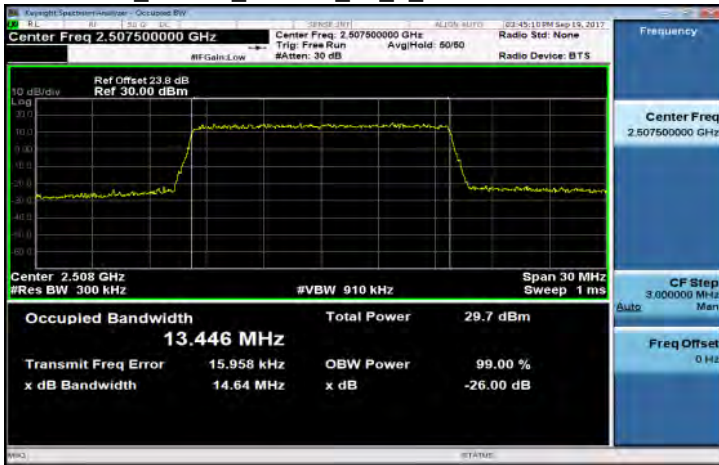
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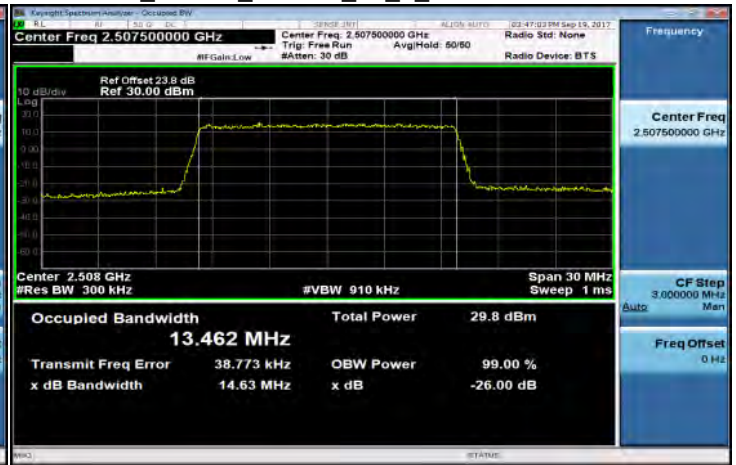
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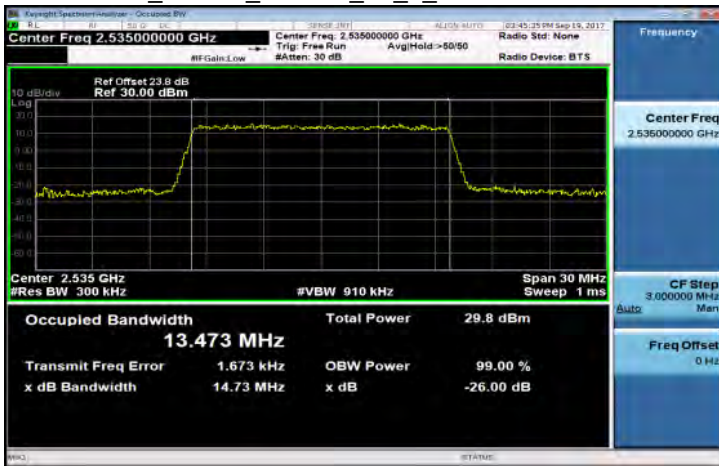
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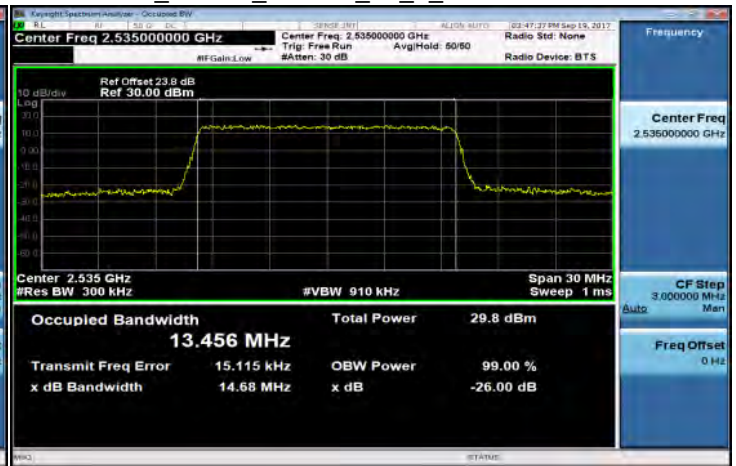
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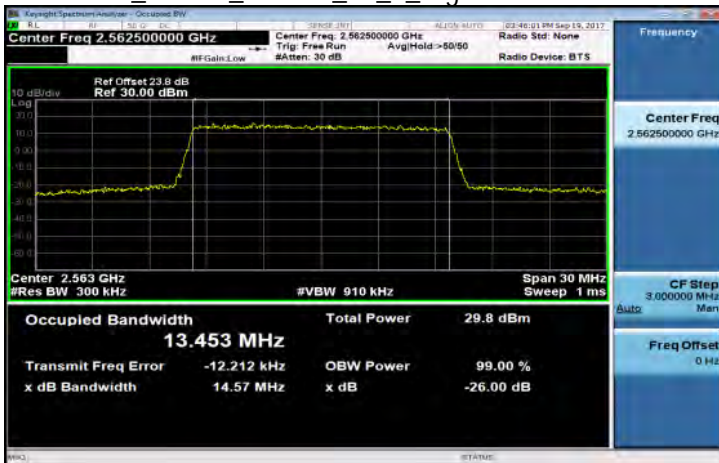
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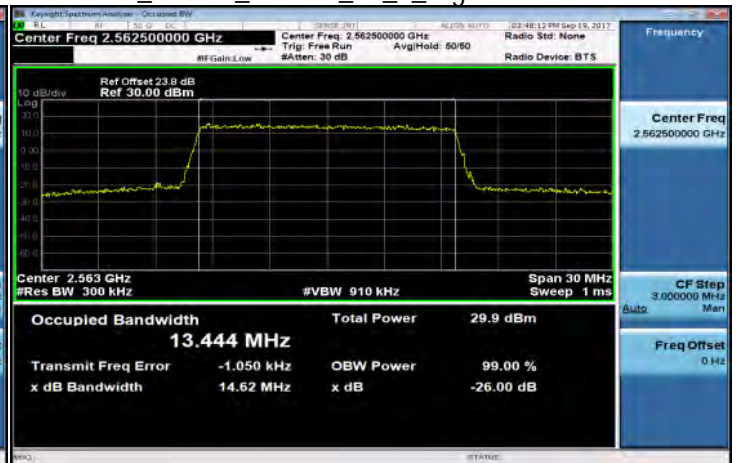
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Band7_15MHz_16QAM_75_0_HighCH21375-2562.5



Band7_15MHz_64QAM_75_0_HighCH21375-2562.5



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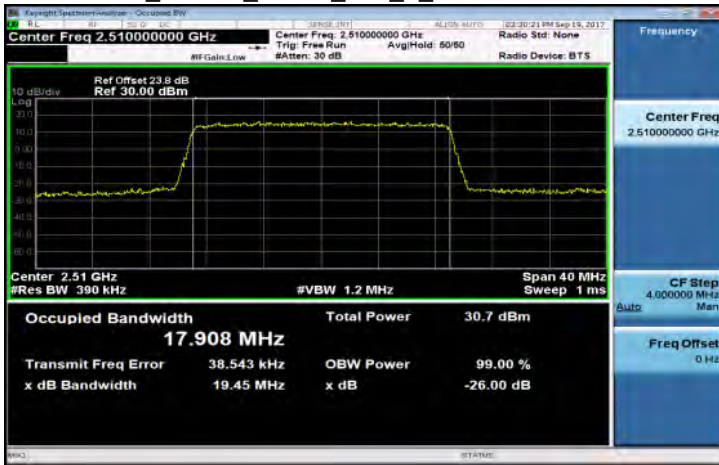
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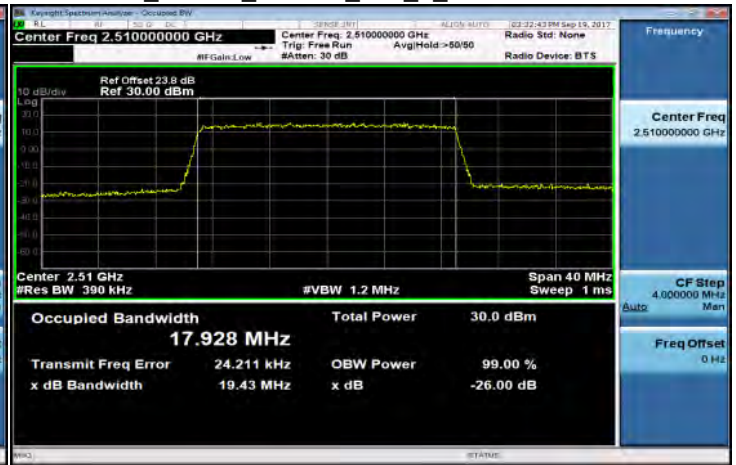
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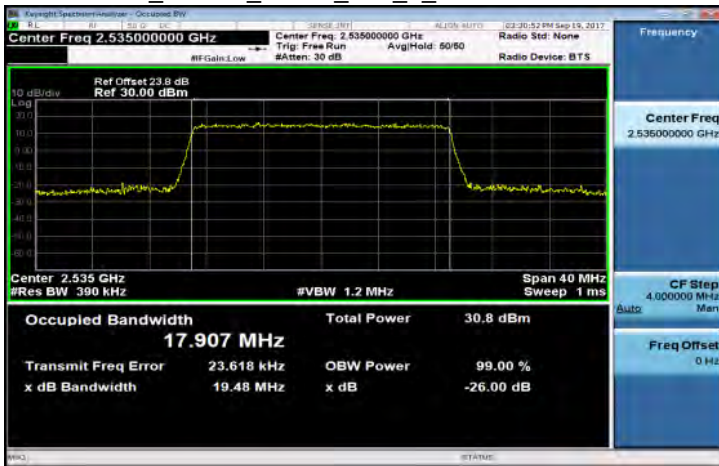
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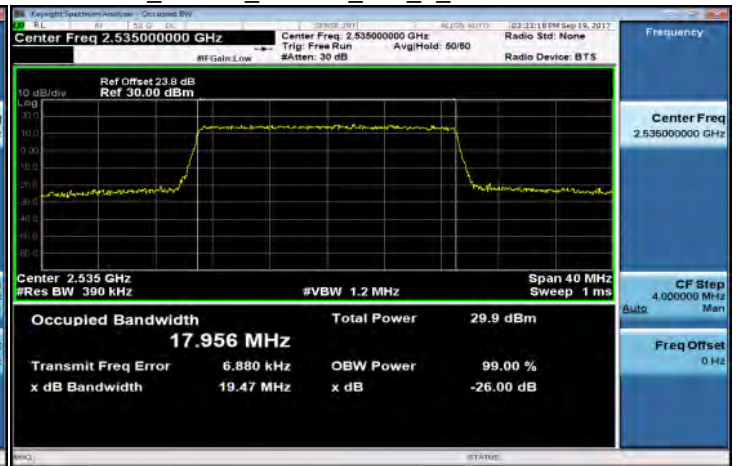
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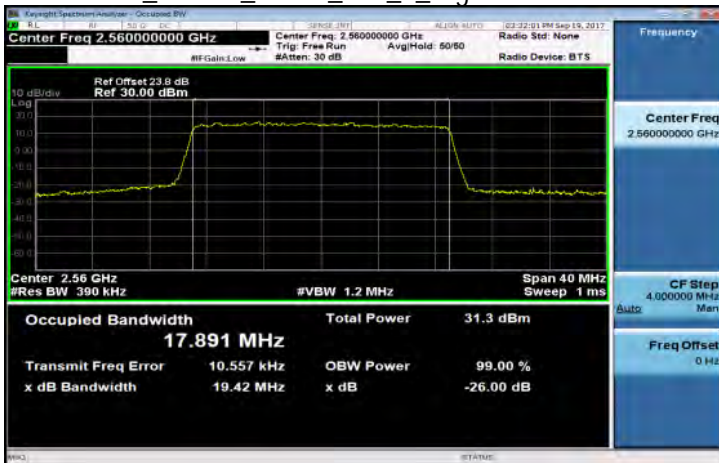
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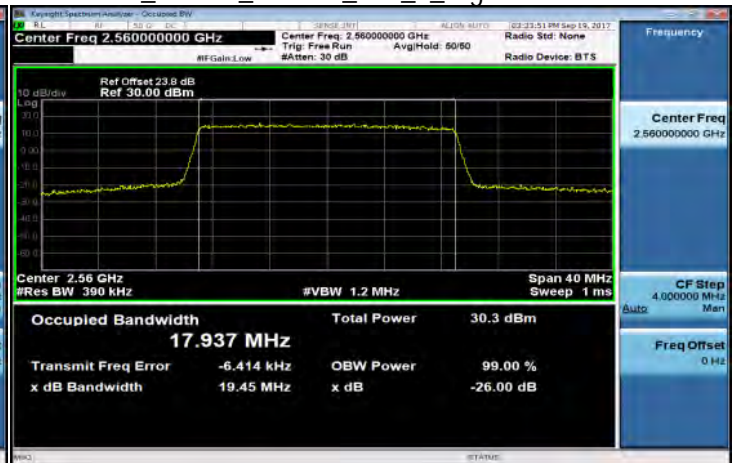
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Band7_20MHz_QPSK_100_0_HighCH21350-2560



Band7_20MHz_16QAM_100_0_HighCH21350-2560



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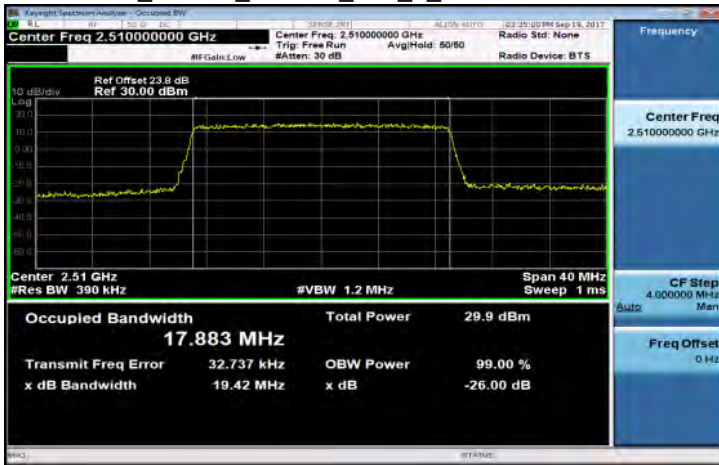
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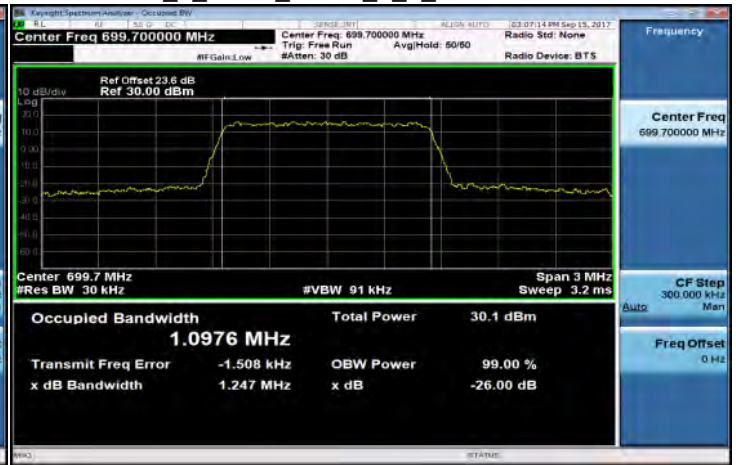
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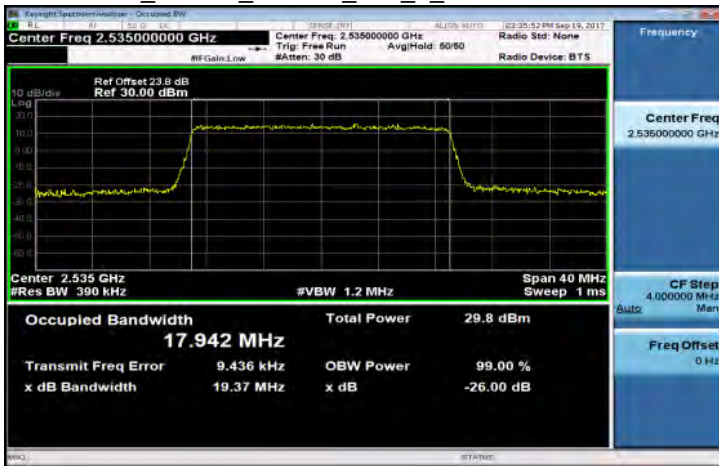
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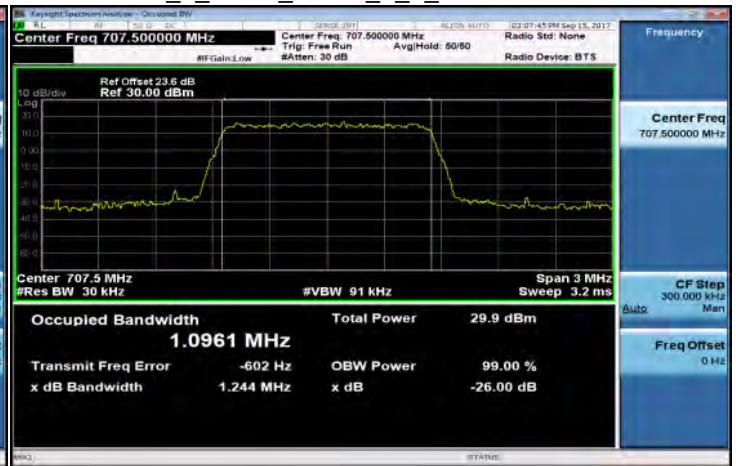
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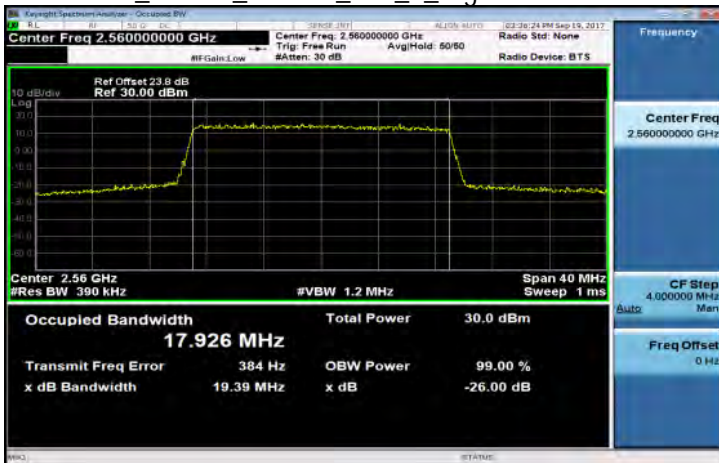
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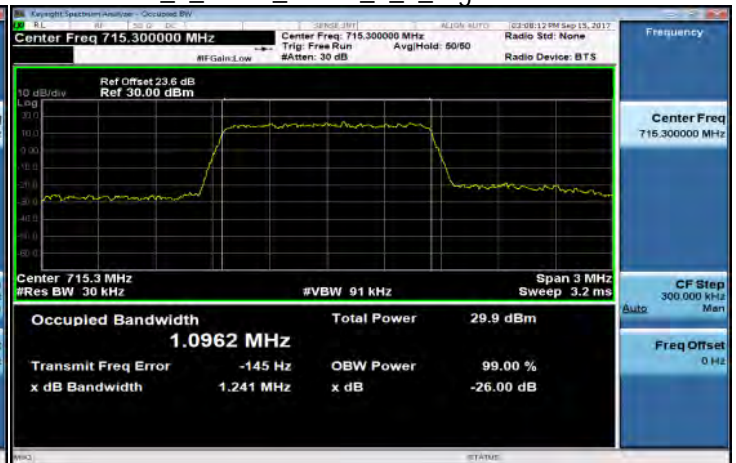
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Band7_20MHz_64QAM_100_0_HighCH21350-2560



Band12_1_4MHz_QPSK_6_0_HighCH23173-715.3



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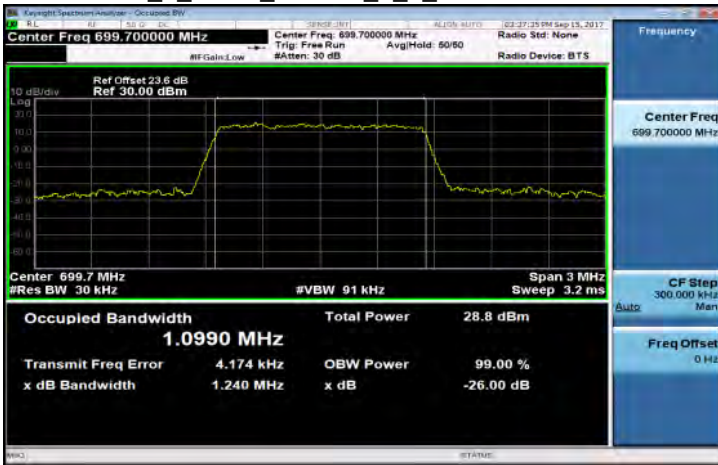
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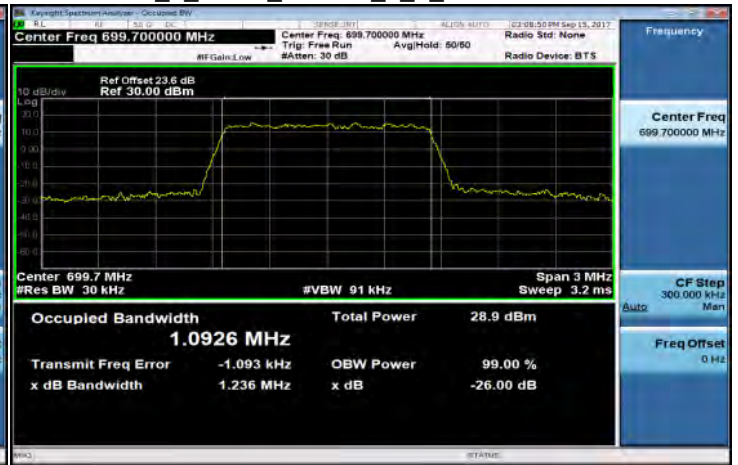
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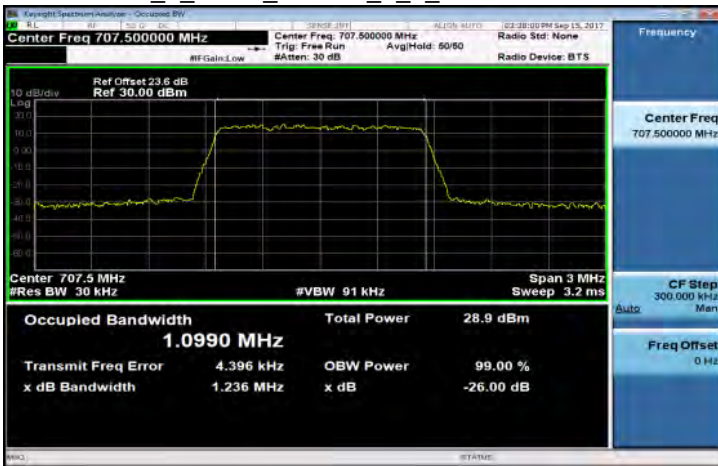
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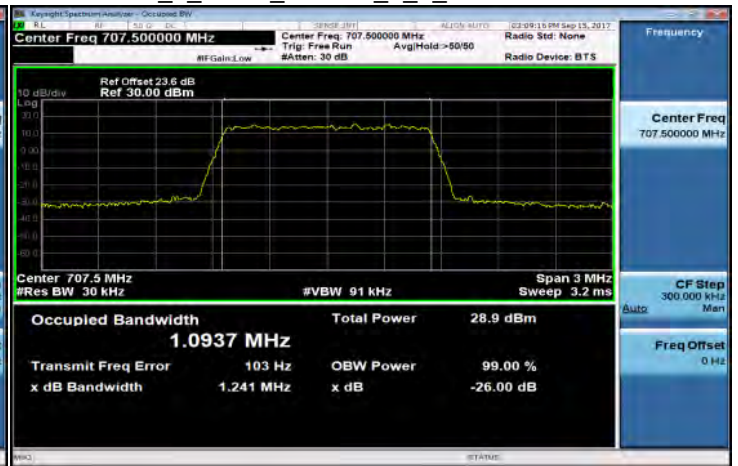
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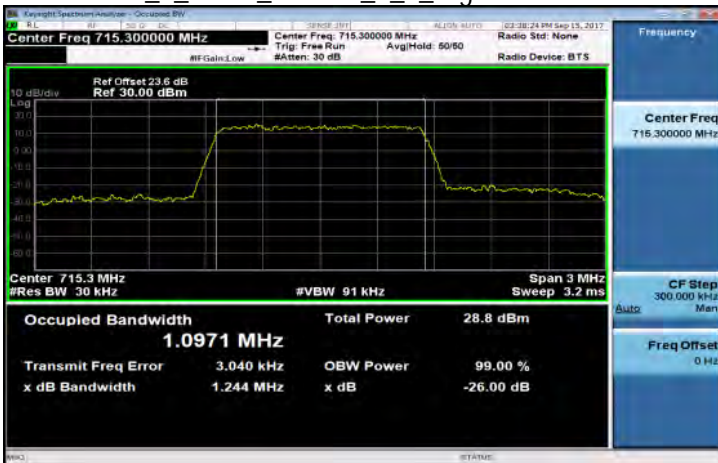
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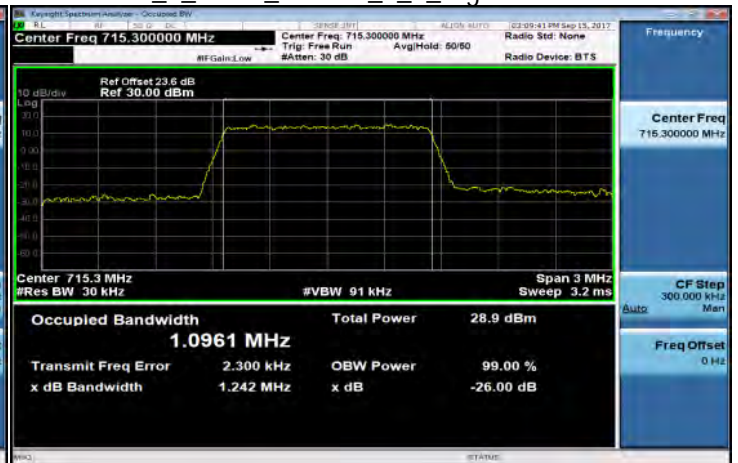
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Band12_1_4MHz_16QAM_6_0_HighCH23173-715.3



Band12_1_4MHz_64QAM_6_0_HighCH23173-715.3



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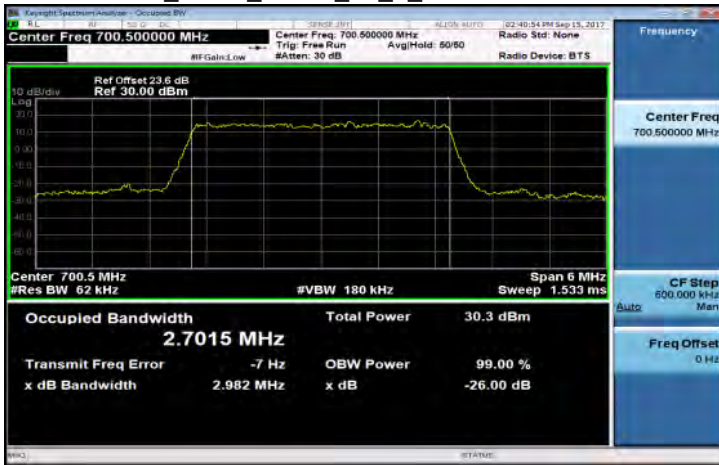
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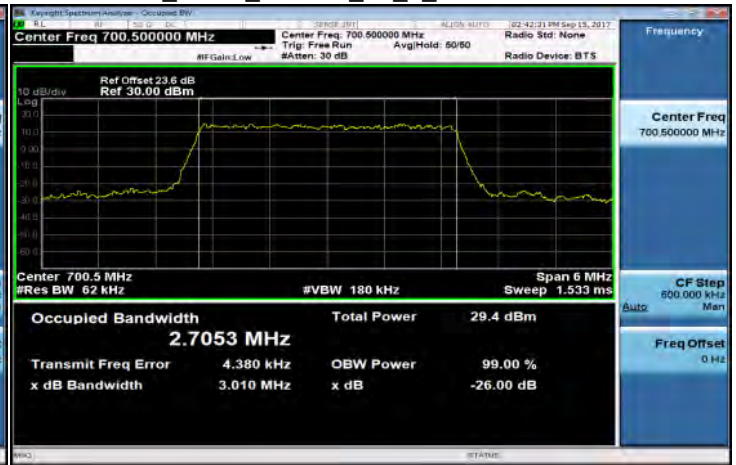
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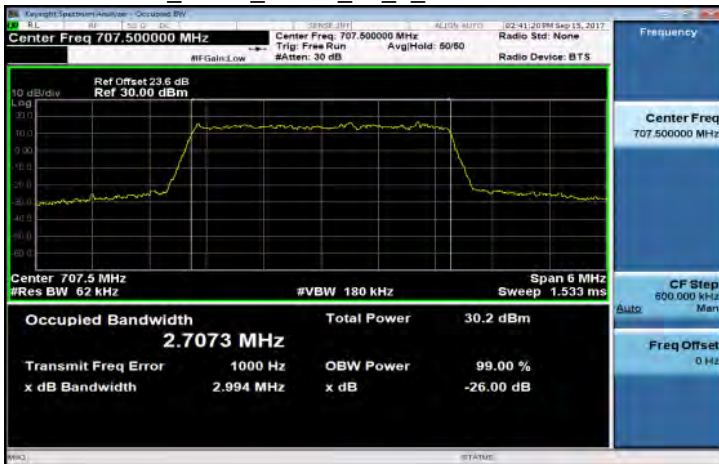
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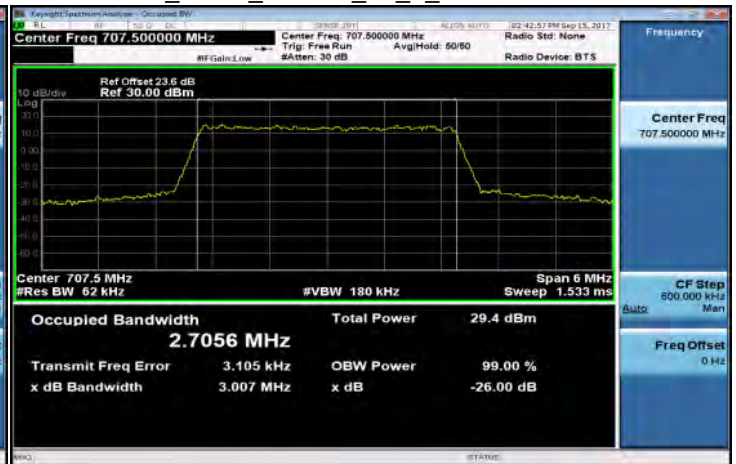
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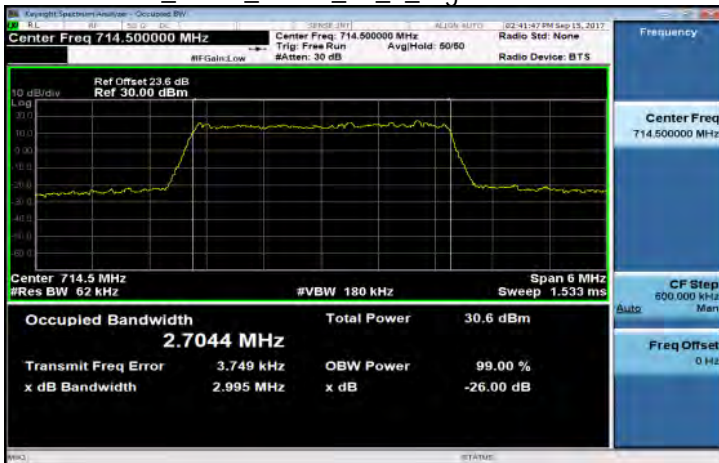
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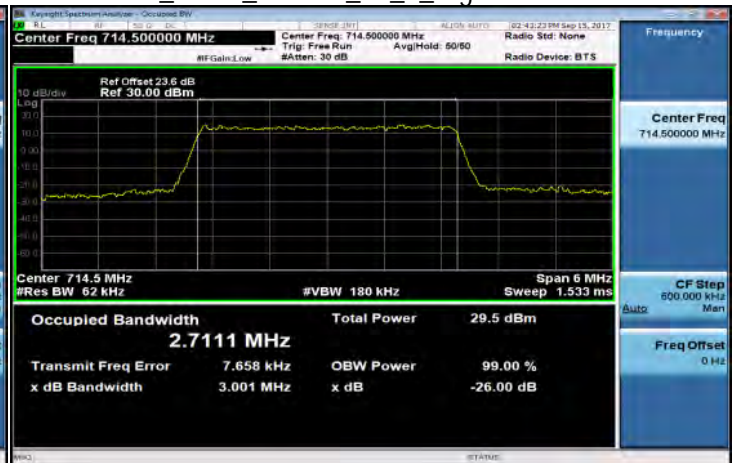
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Band12_3MHz_16QAM_15_0_HighCH23165-714.5



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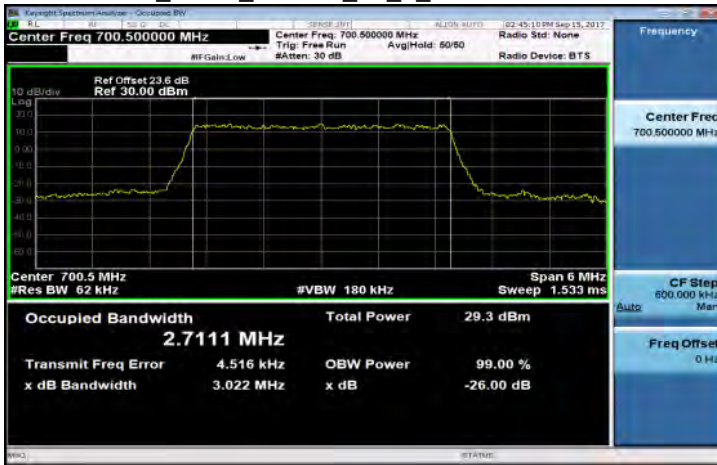
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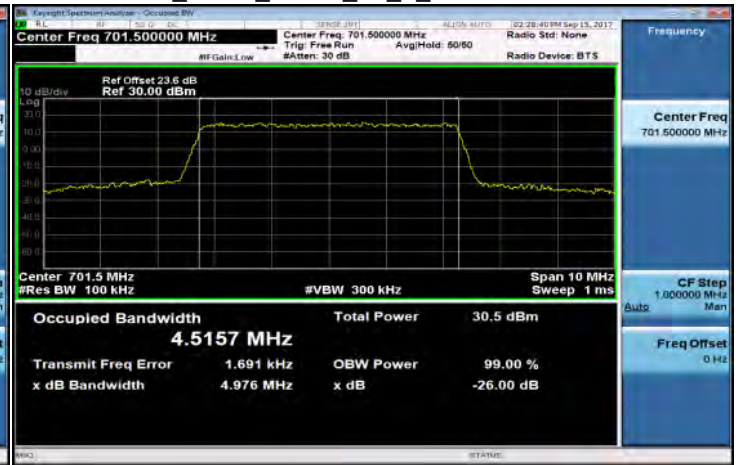
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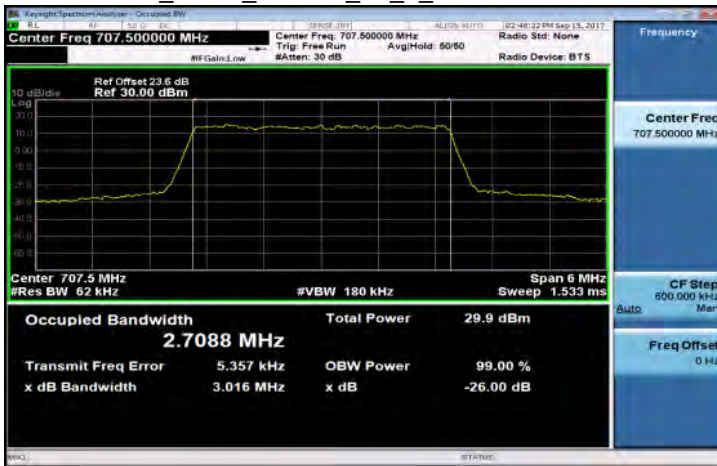
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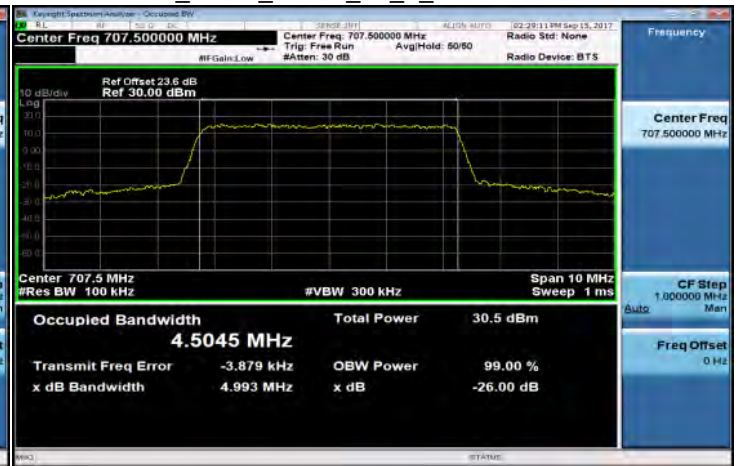
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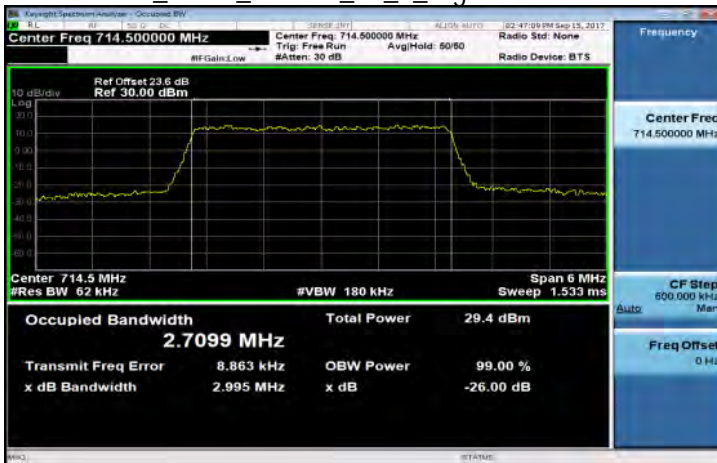
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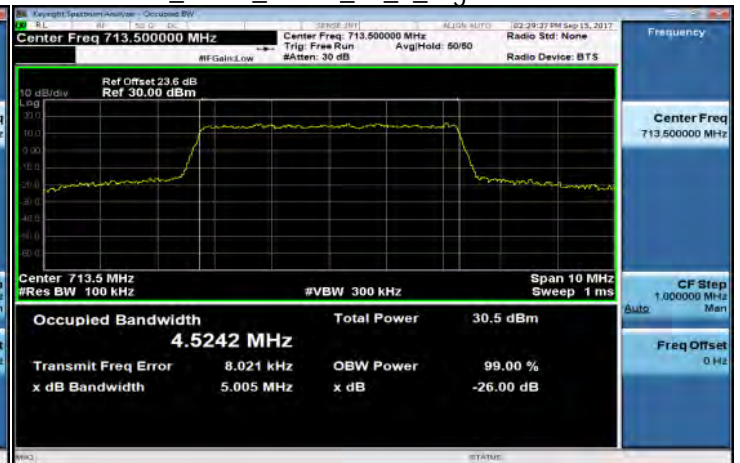
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Band12_3MHz_64QAM_15_0_HighCH23165-714.5



Band12_5MHz_QPSK_25_0_HighCH23155-713.5



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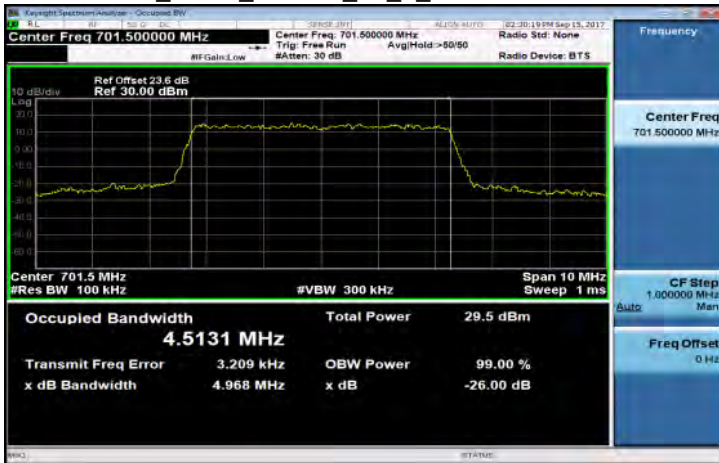
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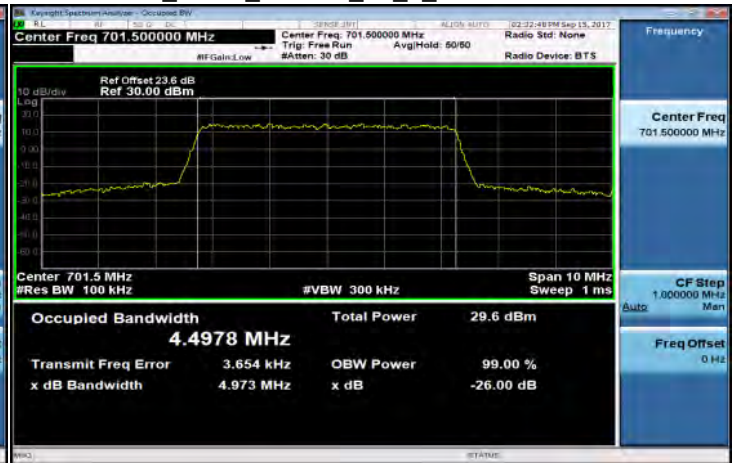
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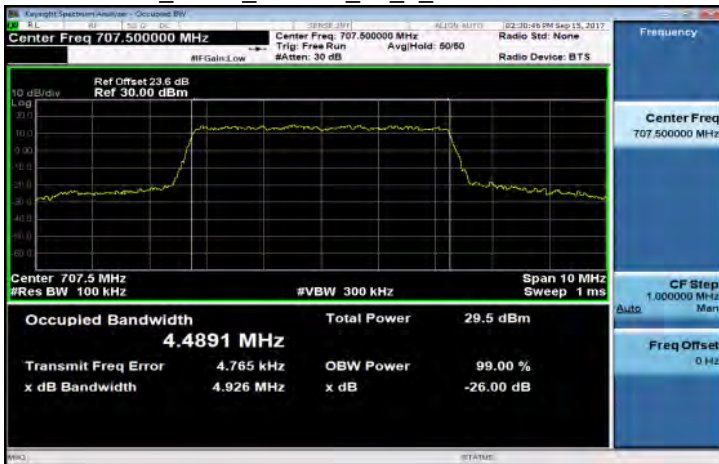
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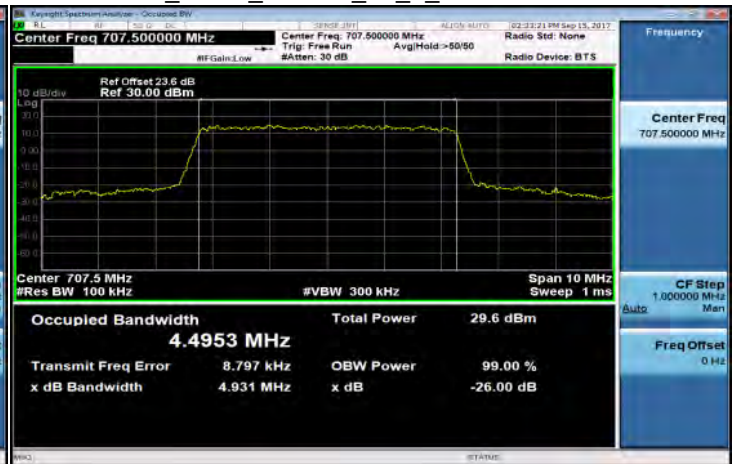
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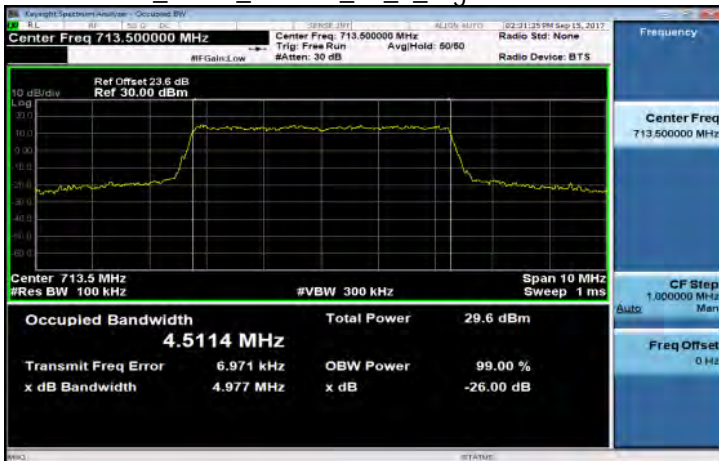
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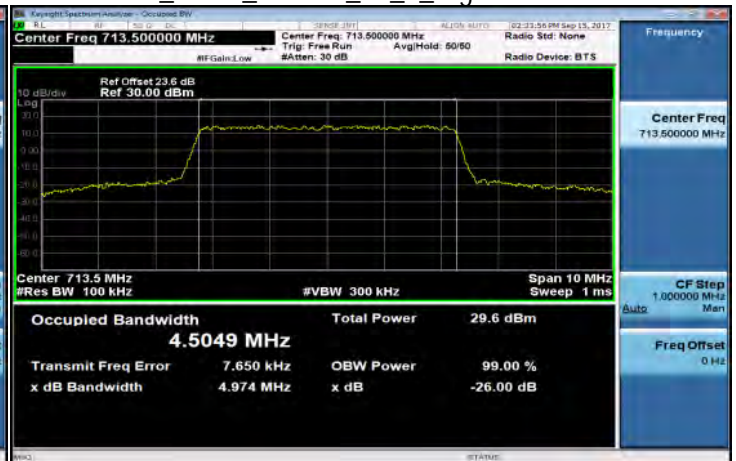
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Band12_5MHz_16QAM_25_0_HighCH23155-713.5



Band12_5MHz_64QAM_25_0_HighCH23155-713.5



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