

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO

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

OF

Product Name:	ASUS Phone
Brand Name:	ASUS
Model No.:	ASUS_Z01FD
Model Difference:	N/A
FCC ID:	MSQZ01FD
IC:	3568A-Z01FD
Report No.:	E2/2016/60122
Issue Date:	Aug. 10, 2016
FCC Rule Part:	2 , 22H & 24E & 27B, C & L & 90S
IC Rule Part:	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 199 Issue 2 Oct. 2014
Prepared for:	ASUSTek COMPUTER INC. 4F, No. 150, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN
Prepared by:	SGS Taiwan Ltd. Electronics & Communication Laboratory No.2, Keji 1st Rd., Guishan District, Taoyuan City, Tai- wan 333

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VERIFICATION OF COMPLIANCE

Applicant: ASUSTek COMPUTER INC.
4F, No. 150, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN

Product Name: ASUS Phone

Brand Name: ASUS

Model No.: ASUS_Z01FD

Model Difference: N/A

FCC ID: MSQZ01FD

IC: 3568A-Z01FD

File Number: E2/2016/60122

Date of test: Jun. 30, 2016 ~ Aug. 10, 2016

Date of EUT Received: Jun. 30, 2016

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 TIA/EIA-603-D-2010 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.

Test By:

Marcus Tseng

Date:

Aug. 10, 2016

Marcus Tseng / Sr. Engineer

Prepared By:

Karen Huang

Date:

Aug. 10, 2016

Karen Huang / Clerk

Approved By:

Jim Chang

Date:

Aug. 10, 2016

Jim Chang / Asst. Manager

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Revision History

Report Number	Revision	Description	Issue Date
E2/2016/60122	Rev.00	Initial creation of document	Aug. 10, 2016

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1. GENERAL PRODUCT INFORMATION

1.1. Product Description

General:

Product Name:	ASUS Phone	
Brand Name:	ASUS	
Model No.:	ASUS_Z01FD	
Model Difference:	N/A	
Product SW/HW version:	1.1.10.95 / R1.0D	
Radio SW/HW version:	N/A / N/A	
Test SW Version:	N/A	
RF power setting in TEST SW:	N/A	
Headset:	Model No.: AR-101, Supplier: 1MORE	
USB Cable:	1. Model No.: CUDU01B-AJ009-DF, Supplier: FOXCONN 2. Model No.: LA05US025-AN, Supplier: ASAP	
Power Supply:	3.85Vdc from Rechargeable Li-polymer Battery or 5V / 9V from AC/DC Adapter	
	Battery:	Model No.: C11P1605, Supplier: CELXPART ENERGY CORP
	Adapter:	1. Model No.: AS0202, Supplier: SALCOMP 2. Model No.: AD2068320, Supplier: PI

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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	27dBm
	GSM/GPRS 1900	1850.2MHz – 1909.8MHz	30dBm
	EDGE 1900	1850.2MHz – 1909.8MHz	26dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band II	1852.4MHz – 1907.6MHz	24dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band IV	1712.4MHz – 1752.6MHz	24dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band V	826.4MHz - 846.6MHz	24dBm
	LTE-Band 2 (Bandwidth 1.4MHz)	1850.7MHz– 1909.3MHz	23dBm
	LTE-Band 2 (Bandwidth 3MHz)	1851.5MHz – 1908.5MHz	23dBm
	LTE-Band 2 (Bandwidth 5MHz)	1852.5MHz – 1907.5MHz	23dBm
	LTE-Band 2 (Bandwidth 10MHz)	1855.0MHz – 1905.0MHz	23dBm
	LTE-Band 2 (Bandwidth 15MHz)	1857.5MHz – 1902.5MHz	23dBm
	LTE-Band 2 (Bandwidth 20MHz)	1860.0MHz – 1900.0MHz	23dBm
	LTE-Band 4 (Bandwidth 1.4MHz)	1710.7MHz– 1754.3MHz	23dBm
	LTE-Band 4 (Bandwidth 3MHz)	1711.5MHz – 1753.5MHz	23dBm
	LTE-Band 4 (Bandwidth 5MHz)	1712.5MHz – 1752.5MHz	23dBm
	LTE-Band 4 (Bandwidth 10MHz)	1715MHz – 1750MHz	23dBm
	LTE-Band 4 (Bandwidth 15MHz)	1717.5MHz – 1747.5MHz	23dBm
	LTE-Band 4 (Bandwidth 20MHz)	1720MHz – 1745MHz	23dBm

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Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
	LTE-Band 5 (Bandwidth 1.4MHz)	824.7MHz – 848.3MHz	23dBm
	LTE-Band 5 (Bandwidth 3MHz)	825.5MHz – 847.5MHz	23dBm
	LTE-Band 5 (Bandwidth 5MHz)	826.5MHz – 846.5MHz	23dBm
	LTE-Band 5 (Bandwidth 10MHz)	829.0MHz – 844.0MHz	23dBm
	LTE-Band 7 (Bandwidth 5MHz)	2502.5MHz – 2567.5MHz	23dBm
	LTE-Band 7 (Bandwidth 10MHz)	2505.0MHz – 2565.0MHz	23dBm
	LTE-Band 7 (Bandwidth 15MHz)	2507.5MHz – 2562.5MHz	23dBm
	LTE-Band 7 (Bandwidth 20MHz)	2510.0MHz – 2560MHz	23dBm
	LTE-Band 12 (Bandwidth 1.4MHz)	699.7MHz– 715.3MHz	23dBm
	LTE-Band 12 (Bandwidth 3MHz)	700.5MHz – 714.5MHz	23dBm
	LTE-Band 12 (Bandwidth 5MHz)	701.5MHz – 713.5MHz	23dBm
	LTE-Band 12 (Bandwidth 10MHz)	704.0MHz – 711.0MHz	23dBm
	LTE-Band 17 (Bandwidth 5MHz)	706.5MHz – 713.5MHz	23dBm
	LTE-Band 17 (Bandwidth 10MHz)	709.0MHz – 711.0MHz	23dBm
	LTE-Band 26 (Bandwidth 1.4MHz)	814.7 MHz– 823.3 MHz	23dBm
	LTE-Band 26 (Bandwidth 3MHz)	815.5 MHz– 822.5 MHz	23dBm
	LTE-Band 26 (Bandwidth 5MHz)	816.5 MHz– 822.5 MHz	23dBm
	LTE-Band 26 (Bandwidth 10MHz)	819.0 MHz– 819.0 MHz	23dBm
	LTE-Band 26 (Bandwidth 1.4MHz)	824.7 MHz– 848.3 MHz	23dBm
	LTE-Band 26 (Bandwidth 3MHz)	825.5 MHz– 847.5 MHz	23dBm
	LTE-Band 26 (Bandwidth 5MHz)	826.5 MHz– 846.5 MHz	23dBm
	LTE-Band 26 (Bandwidth 10MHz)	829.0 MHz– 844.0 MHz	23dBm
	LTE-Band 26 (Bandwidth 15MHz)	831.5 MHz– 841.5 MHz	23dBm

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Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
	LTE-Band 38 (Bandwidth 5MHz)	2572.5MHz – 2617.5MHz	23dBm
	LTE-Band 38 (Bandwidth 10MHz)	2575MHz – 2615MHz	23dBm
	LTE-Band 38 (Bandwidth 15MHz)	2577.5MHz – 2612.5MHz	23dBm
	LTE-Band 38 (Bandwidth 20MHz)	2580MHz – 2610MHz	23dBm
	LTE-Band 41 (Bandwidth 5MHz)	2547.5MHz – 2652.5MHz	23dBm
	LTE-Band 41 (Bandwidth 10MHz)	2550.0MHz – 2650.0MHz	23dBm
	LTE-Band 41 (Bandwidth 15MHz)	2552.5MHz – 2647.5MHz	23dBm
	LTE-Band 41 (Bandwidth 20MHz)	2555.0MHz – 2645.0MHz	23dBm
IMEI:	351589080041822 / 351589080041830		

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Type of Emission:

Frequency Band	Type of Emission:
GSM 850	249KGXW
GPRS 850	246KGXW
EDGE 850	247KG7W
GSM 1900	246KGXW
GPRS 1900	246KGXW
EDGE 1900	243KG7W
WCDMA Band II	4M12F9W
WCDMA Band IV	4M12F9W
WCDMA Band V	4M12F9W
HSDPA Band II	4M12F9W
HSDPA Band IV	4M12F9W
HSDPA Band V	4M11F9W
HSUPA Band II	4M11F9W
HSUPA Band IV	4M12F9W
HSUPA Band V	4M12F9W

LTE Band	BW (MHz)	Modulation	Type of Emission
LTE Band 2	1.4MHz	QPSK	1M10G7D
LTE Band 2	1.4MHz	16QAM	1M10D7W
LTE Band 2	3MHz	QPSK	2M70G7D
LTE Band 2	3MHz	16QAM	2M70D7W
LTE Band 2	5MHz	QPSK	4M50G7D
LTE Band 2	5MHz	16QAM	4M50D7W
LTE Band 2	10MHz	QPSK	9M01G7D
LTE Band 2	10MHz	16QAM	8M97D7W
LTE Band 2	15MHz	QPSK	13M5G7D
LTE Band 2	15MHz	16QAM	13M5D7W
LTE Band 2	20MHz	QPSK	18M0G7D
LTE Band 2	20MHz	16QAM	18M0D7W
LTE Band 4	1.4MHz	QPSK	1M10G7D
LTE Band 4	1.4MHz	16QAM	1M10D7W
LTE Band 4	3MHz	QPSK	2M72G7D
LTE Band 4	3MHz	16QAM	2M70D7W
LTE Band 4	5MHz	QPSK	4M50G7D
LTE Band 4	5MHz	16QAM	4M50D7W
LTE Band 4	10MHz	QPSK	9M01G7D
LTE Band 4	10MHz	16QAM	8M96D7W
LTE Band 4	15MHz	QPSK	13M4G7D
LTE Band 4	15MHz	16QAM	13M4D7W
LTE Band 4	20MHz	QPSK	18M0G7D
LTE Band 4	20MHz	16QAM	18M0D7W

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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	3MHz	QPSK	2M70G7D
LTE Band 5	3MHz	16QAM	2M70D7W
LTE Band 5	5MHz	QPSK	4M50G7D
LTE Band 5	5MHz	16QAM	4M49D7W
LTE Band 5	10MHz	QPSK	9M00G7D
LTE Band 5	10MHz	16QAM	8M96D7W
LTE Band 7	5MHz	QPSK	4M50G7D
LTE Band 7	5MHz	16QAM	4M49D7W
LTE Band 7	10MHz	QPSK	8M98G7D
LTE Band 7	10MHz	16QAM	8M97D7W
LTE Band 7	15MHz	QPSK	13M5G7D
LTE Band 7	15MHz	16QAM	13M4D7W
LTE Band 7	20MHz	QPSK	17M9G7D
LTE Band 7	20MHz	16QAM	18M0D7W
LTE Band 12	1.4MHz	QPSK	1M10G7D
LTE Band 12	1.4MHz	16QAM	1M10D7W
LTE Band 12	3MHz	QPSK	2M70G7D
LTE Band 12	3MHz	16QAM	2M70D7W
LTE Band 12	5MHz	QPSK	4M50G7D
LTE Band 12	5MHz	16QAM	4M50D7W
LTE Band 12	10MHz	QPSK	9M00G7D
LTE Band 12	10MHz	16QAM	8M96D7W
LTE Band 17	5MHz	QPSK	4M49G7D
LTE Band 17	5MHz	16QAM	4M49D7W
LTE Band 17	10MHz	QPSK	8M99G7D
LTE Band 17	10MHz	16QAM	8M97D7W
LTE Band 26	1.4MHz	QPSK	1M09G7D
LTE Band 26	1.4MHz	16QAM	1M10D7W
LTE Band 26	3MHz	QPSK	2M70G7D
LTE Band 26	3MHz	16QAM	2M70D7W
LTE Band 26	5MHz	QPSK	4M49G7D
LTE Band 26	5MHz	16QAM	4M49D7W
LTE Band 26	10MHz	QPSK	8M98G7D
LTE Band 26	10MHz	16QAM	8M99D7W
LTE Band 26	15MHz	QPSK	13M5G7W
LTE Band 26	15MHz	16QAM	13M5D7W

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LTE Band 38	5MHz	QPSK	4M51G7D
LTE Band 38	5MHz	16QAM	4M50D7W
LTE Band 38	10MHz	QPSK	8M98G7D
LTE Band 38	10MHz	16QAM	8M97D7W
LTE Band 38	15MHz	QPSK	13M5G7D
LTE Band 38	15MHz	16QAM	13M5D7W
LTE Band 38	20MHz	QPSK	18M0G7D
LTE Band 38	20MHz	16QAM	18M0D7W
LTE Band 41	5MHz	QPSK	4M51G7D
LTE Band 41	5MHz	16QAM	4M50D7W
LTE Band 41	10MHz	QPSK	8M97G7D
LTE Band 41	10MHz	16QAM	8M96D7W
LTE Band 41	15MHz	QPSK	13M4G7D
LTE Band 41	15MHz	16QAM	13M5D7W
LTE Band 41	20MHz	QPSK	17M9G7D
LTE Band 41	20MHz	16QAM	18M0D7W

LTE Band 26 for Part 90S

LTE Band 26	1.4MHz	QPSK	1M10G7D
LTE Band 26	1.4MHz	16QAM	1M10D7W
LTE Band 26	3MHz	QPSK	2M69G7D
LTE Band 26	3MHz	16QAM	2M70D7W
LTE Band 26	5MHz	QPSK	4M50G7D
LTE Band 26	5MHz	16QAM	4M50D7W
LTE Band 26	10MHz	QPSK	8M97G7D
LTE Band 26	10MHz	16QAM	8M95D7W

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Max ERP/EIRP Power Measurement Result:

	dBm		W
GSM 850	24.72	ERP	0.296
GPRS 850	24.71	ERP	0.296
EDGE 850	19.44	ERP	0.088
GSM 1900	30.88	EIRP	1.225
GPRS 1900	20.91	EIRP	0.123
EDGE 1900	28.83	EIRP	0.764
WCDMA Band II	28.1	EIRP	0.646
WCDMA Band IV	18.72	EIRP	0.074
WCDMA Band V	17.06	ERP	0.051
HSDPA Band II	27.04	EIRP	0.506
HSDPA Band IV	18.68	EIRP	0.074
HSDPA Band V	16.33	ERP	0.043
HSUPA Band II	26.51	EIRP	0.448
HSUPA Band IV	18.6	EIRP	0.072
HSUPA Band V	15.34	ERP	0.034
LTE-Band 2 (Bandwidth 1.4MHz) QPSK	29.56	EIRP	0.904
LTE-Band 2 (Bandwidth 1.4MHz) 16QAM	29.5	EIRP	0.891
LTE-Band 2 (Bandwidth 3MHz) QPSK	29.57	EIRP	0.906
LTE-Band 2 (Bandwidth 3MHz) 16QAM	29.17	EIRP	0.826
LTE-Band 2 (Bandwidth 5MHz) QPSK	22.05	EIRP	0.160
LTE-Band 2 (Bandwidth 5MHz) 16QAM	21.86	EIRP	0.153
LTE-Band 2 (Bandwidth 10MHz) QPSK	29.27	EIRP	0.845
LTE-Band 2 (Bandwidth 10MHz) 16QAM	29.9	EIRP	0.977
LTE-Band 2 (Bandwidth 15MHz) QPSK	28.16	EIRP	0.655
LTE-Band 2 (Bandwidth 15MHz) 16QAM	28.55	EIRP	0.716
LTE-Band 2 (Bandwidth 20MHz) QPSK	27.68	EIRP	0.586
LTE-Band 2 (Bandwidth 20MHz) 16QAM	27.36	EIRP	0.545

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	dBm		W
LTE-Band 4 (Bandwidth 1.4MHz) QPSK	23.49	EIRP	0.223
LTE-Band 4 (Bandwidth 1.4MHz) 16QAM	23.48	EIRP	0.223
LTE-Band 4 (Bandwidth 3MHz) QPSK	23.44	EIRP	0.221
LTE-Band 4 (Bandwidth 3MHz) 16QAM	23.39	EIRP	0.218
LTE-Band 4 (Bandwidth 5MHz) QPSK	23.27	EIRP	0.212
LTE-Band 4 (Bandwidth 5MHz) 16QAM	23.38	EIRP	0.218
LTE-Band 4 (Bandwidth 10MHz) QPSK	23.47	EIRP	0.222
LTE-Band 4 (Bandwidth 10MHz) 16QAM	23.09	EIRP	0.204
LTE-Band 4 (Bandwidth 15MHz) QPSK	23.08	EIRP	0.203
LTE-Band 4 (Bandwidth 15MHz) 16QAM	22.95	EIRP	0.197
LTE-Band 4 (Bandwidth 20MHz) QPSK	23.54	EIRP	0.226
LTE-Band 4 (Bandwidth 20MHz) 16QAM	23.42	EIRP	0.220
LTE-Band 5 (Bandwidth 1.4MHz) QPSK	14.99	ERP	0.032
LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	14.76	ERP	0.030
LTE-Band 5 (Bandwidth 3MHz) QPSK	14.12	ERP	0.026
LTE-Band 5 (Bandwidth 3MHz) 16QAM	14.06	ERP	0.025
LTE-Band 5 (Bandwidth 5MHz) QPSK	14.63	ERP	0.029
LTE-Band 5 (Bandwidth 5MHz) 16QAM	14.49	ERP	0.028
LTE-Band 5 (Bandwidth 10MHz) QPSK	14.76	ERP	0.030
LTE-Band 5 (Bandwidth 10MHz) 16QAM	14.12	ERP	0.026
LTE-Band 7 (Bandwidth 5MHz) QPSK	25.07	EIRP	0.321
LTE-Band 7 (Bandwidth 5MHz) 16QAM	24.91	EIRP	0.310
LTE-Band 7 (Bandwidth 10MHz) QPSK	24.72	EIRP	0.296
LTE-Band 7 (Bandwidth 10MHz) 16QAM	24.71	EIRP	0.296
LTE-Band 7 (Bandwidth 15MHz) QPSK	24.47	EIRP	0.280
LTE-Band 7 (Bandwidth 15MHz) 16QAM	24.84	EIRP	0.305
LTE-Band 7 (Bandwidth 20MHz) QPSK	24.68	EIRP	0.294
LTE-Band 7 (Bandwidth 20MHz) 16QAM	24.68	EIRP	0.294

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	dBm		W
LTE-Band 12 (Bandwidth 1.4MHz) QPSK	12.71	ERP	0.019
LTE-Band 12 (Bandwidth 1.4MHz) 16QAM	12.31	ERP	0.017
LTE-Band 12 (Bandwidth 3MHz) QPSK	12.64	ERP	0.018
LTE-Band 12 (Bandwidth 3MHz) 16QAM	12.24	ERP	0.017
LTE-Band 12 (Bandwidth 5MHz) QPSK	13.03	ERP	0.020
LTE-Band 12 (Bandwidth 5MHz) 16QAM	12.66	ERP	0.018
LTE-Band 12 (Bandwidth 10MHz) QPSK	12.90	ERP	0.019
LTE-Band 12 (Bandwidth 10MHz) 16QAM	12.73	ERP	0.019
LTE-Band 17 (Bandwidth 5MHz) QPSK	16.76	ERP	0.047
LTE-Band 17 (Bandwidth 5MHz) 16QAM	16.24	ERP	0.042
LTE-Band 17 (Bandwidth 10MHz) QPSK	14.59	ERP	0.029
LTE-Band 17 (Bandwidth 10MHz) 16QAM	14.59	ERP	0.029
LTE-Band 26 (Bandwidth 1.4MHz) QPSK	14.57	ERP	0.029
LTE-Band 26 (Bandwidth 1.4MHz) 16QAM	14.12	ERP	0.026
LTE-Band 26 (Bandwidth 3MHz) QPSK	14.93	ERP	0.031
LTE-Band 26 (Bandwidth 3MHz) 16QAM	14.35	ERP	0.027
LTE-Band 26 (Bandwidth 5MHz) QPSK	14.82	ERP	0.030
LTE-Band 26 (Bandwidth 5MHz) 16QAM	14.32	ERP	0.027
LTE-Band 26 (Bandwidth 10MHz) QPSK	14.22	ERP	0.026
LTE-Band 26 (Bandwidth 10MHz) 16QAM	13.84	ERP	0.024
LTE-Band 26 (Bandwidth 15MHz) QPSK	14.31	ERP	0.027
LTE-Band 26 (Bandwidth 15MHz) 16QAM	13.69	ERP	0.023
LTE-Band 38 (Bandwidth 5MHz) QPSK	29.49	EIRP	0.889
LTE-Band 38 (Bandwidth 5MHz) 16QAM	29.19	EIRP	0.830
LTE-Band 38 (Bandwidth 10MHz) QPSK	29.55	EIRP	0.902
LTE-Band 38 (Bandwidth 10MHz) 16QAM	29.29	EIRP	0.849
LTE-Band 38 (Bandwidth 15MHz) QPSK	28.69	EIRP	0.740
LTE-Band 38 (Bandwidth 15MHz) 16QAM	29.14	EIRP	0.820
LTE-Band 38 (Bandwidth 20MHz) QPSK	27.40	EIRP	0.550
LTE-Band 38 (Bandwidth 20MHz) 16QAM	29.16	EIRP	0.824

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	dBm		W
LTE-Band 41 (Bandwidth 5MHz) QPSK	29.91	EIRP	0.979
LTE-Band 41 (Bandwidth 5MHz) 16QAM	29.42	EIRP	0.875
LTE-Band 41 (Bandwidth 10MHz) QPSK	29.88	EIRP	0.973
LTE-Band 41 (Bandwidth 10MHz) 16QAM	29.71	EIRP	0.935
LTE-Band 41 (Bandwidth 15MHz) QPSK	30.66	EIRP	1.164
LTE-Band 41 (Bandwidth 15MHz) 16QAM	30.07	EIRP	1.016
LTE-Band 41 (Bandwidth 20MHz) QPSK	30.38	EIRP	1.091
LTE-Band 41 (Bandwidth 20MHz) 16QAM	29.73	EIRP	0.940

LTE Band 26 for Part 90S

	dBm		W
LTE-Band 26 (Bandwidth 1.4MHz) QPSK	16.02	ERP	0.040
LTE-Band 26 (Bandwidth 1.4MHz) 16QAM	15.11	ERP	0.032
LTE-Band 26 (Bandwidth 3MHz) QPSK	15.90	ERP	0.039
LTE-Band 26 (Bandwidth 3MHz) 16QAM	15.41	ERP	0.035
LTE-Band 26 (Bandwidth 5MHz) QPSK	15.83	ERP	0.038
LTE-Band 26 (Bandwidth 5MHz) 16QAM	15.44	ERP	0.035
LTE-Band 26 (Bandwidth 10MHz) QPSK	17.23	ERP	0.053
LTE-Band 26 (Bandwidth 10MHz) 16QAM	15.34	ERP	0.034

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1.2. Product Feature of Equipment Under Test

The equipment under Test (Hereafter Called: EUT) is ASUS Phone, supporting GSM / WCDMA / LTE, Wi-Fi 802.11a/b/g/n/ac, Bluetooth, NFC features, and below is details of information.

Product Feature	
Product Name:	ASUS Phone
Brand Name:	ASUS
Model No.:	ASUS_Z01FD
Model Difference:	N/A
FCC ID	MSQZ01FD
IC ID	3568A-Z01FD
GSM Operating Band(s)	GSM 850/1900MHz
GPRS / EGPRS Multi Slot Class	GPRS Class 10
WCDMA Operating Band(s)	FDD Band II / IV / V
WCDMA Rel. Version	Rel.9
LTE Operating Band(s)	FCC Band 5: Part 22. / FCC Band 2: Part 24. FCC Band 4 / 7 / 12 / 17 / 38 / 41: Part 27. FCC Band 26 : Part22, Part 90
LTE Rel. Version	Rel.10
Bluetooth Version	V4.2 dual mode
Wi-Fi- Specification	802.11a/b/g/n/ac
NFC Specification	NFC

Note: The above EUT information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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1.3. Test Methodology of Applied Standards

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

ANSI / TIA / EIA 603-D-2010

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-199 Issue 2 Oct. 2014.

Note:

1. All test items have been performed and record as per the above standards.
2. The composite system is compliance with FCC Subpart B is authorized under the certification procedure.

1.4. Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan. (TAF code 0513)

FCC Registration Numbers are: 735305

Canada Registration Number: 4620A-4.

1.5. Special Accessories

No special accessories were used during testing.

1.6. 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 TIA/EIA 603C, 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 TIA/EIA 603C, The EUT is placed on a turn table which is 0.8 m above ground plane. 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.

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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 1 dB for low band and 1 for high band with 10 dB attenuator and 3.2 splitter.

Low Band: Offset = RF cable loss (dB)+ attenuation factor(dB) =1+10+3.3=14.3(dB)

High Band: Offset = RF cable loss (dB)+ attenuation factor(dB) =1+10+3.2=14.2(dB)

2.5. Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
GSM 850	3.85 Vdc	316
GSM 1900	3.85 Vdc	206
GPRS 850	3.85 Vdc	325
GPRS 1900	3.85 Vdc	222
EDGE 850	3.85 Vdc	337
EDGE 1900	3.85 Vdc	207
WCDMA B2	3.85 Vdc	332
WCDMA B4	3.85 Vdc	206
WCDMA B5	3.85 Vdc	325
HSUPA B2	3.85 Vdc	226
HSUPA B4	3.85 Vdc	343
HSUPA B5	3.85 Vdc	231

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HSDPA B2	3.85 Vdc	333
HSDPA B4	3.85 Vdc	239
HSDPA B5	3.85 Vdc	348

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 2_1.4M QPSK	3.85 Vdc	729
LTE Band 2_1.4M 16QAM	3.85 Vdc	641
LTE Band 2_3M QPSK	3.85 Vdc	736
LTE Band 2_3M 16QAM	3.85 Vdc	658
LTE Band 2_5M QPSK	3.85 Vdc	736
LTE Band 2_5M 16QAM	3.85 Vdc	664
LTE Band 2_10M QPSK	3.85 Vdc	720
LTE Band 2_10M 16QAM	3.85 Vdc	651
LTE Band 2_15M QPSK	3.85 Vdc	732
LTE Band 2_15M 16QAM	3.85 Vdc	660
LTE Band 2_20M QPSK	3.85 Vdc	708
LTE Band 2_20M 16QAM	3.85 Vdc	640

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Test Mode	DC voltage (V)	DC current (mA)
LTE Band 4_1.4M QPSK	3.85 Vdc	656
LTE Band 4_1.4M 16QAM	3.85 Vdc	605
LTE Band 4_3M QPSK	3.85 Vdc	660
LTE Band 4_3M 16QAM	3.85 Vdc	615
LTE Band 4_5M QPSK	3.85 Vdc	641
LTE Band 4_5M 16QAM	3.85 Vdc	588
LTE Band 4_10M QPSK	3.85 Vdc	639
LTE Band 4_10M 16QAM	3.85 Vdc	608
LTE Band 4_15M QPSK	3.85 Vdc	628
LTE Band 4_15M 16QAM	3.85 Vdc	579
LTE Band 4_20M QPSK	3.85 Vdc	635
LTE Band 4_20M 16QAM	3.85 Vdc	594

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 5_1.4M QPSK	3.85 Vdc	550
LTE Band 5_1.4M 16QAM	3.85 Vdc	494
LTE Band 5_3M QPSK	3.85 Vdc	523
LTE Band 5_3M 16QAM	3.85 Vdc	494
LTE Band 5_5M QPSK	3.85 Vdc	550
LTE Band 5_5M 16QAM	3.85 Vdc	504
LTE Band 5_10M QPSK	3.85 Vdc	534
LTE Band 5_10M 16QAM	3.85 Vdc	485

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Test Mode	DC voltage (V)	DC current (mA)
LTE Band 7_5M QPSK	3.85 Vdc	743
LTE Band 7_5M 16QAM	3.85 Vdc	665
LTE Band 7_10M QPSK	3.85 Vdc	755
LTE Band 7_10M 16QAM	3.85 Vdc	650
LTE Band 7_15M QPSK	3.85 Vdc	754
LTE Band 7_15M 16QAM	3.85 Vdc	667
LTE Band 7_20M QPSK	3.85 Vdc	728
LTE Band 7_20M 16QAM	3.85 Vdc	649

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 12_1.4M QPSK	3.85 Vdc	462
LTE Band 12_1.4M 16QAM	3.85 Vdc	431
LTE Band 12_3M QPSK	3.85 Vdc	486
LTE Band 12_3M 16QAM	3.85 Vdc	448
LTE Band 12_5M QPSK	3.85 Vdc	474
LTE Band 12_5M 16QAM	3.85 Vdc	444
LTE Band 12_10M QPSK	3.85 Vdc	458
LTE Band 12_10M 16QAM	3.85 Vdc	419

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Test Mode	DC voltage (V)	DC current (mA)
LTE Band 17_5M QPSK	3.85 Vdc	28
LTE Band 17_5M 16QAM	3.85 Vdc	402
LTE Band 17_10M QPSK	3.85 Vdc	449
LTE Band 17_10M 16QAM	3.85 Vdc	414

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 26_1.4M QPSK	3.85 Vdc	605
LTE Band 26_1.4M 16QAM	3.85 Vdc	554
LTE Band 26_3M QPSK	3.85 Vdc	599
LTE Band 26_3M 16QAM	3.85 Vdc	558
LTE Band 26_5M QPSK	3.85 Vdc	603
LTE Band 26_5M 16QAM	3.85 Vdc	562
LTE Band 26_10M QPSK	3.85 Vdc	617
LTE Band 26_10M 16QAM	3.85 Vdc	571
LTE Band 26_15M QPSK	3.85 Vdc	653
LTE Band 26_15M 16QAM	3.85 Vdc	568

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Test Mode	DC voltage (V)	DC current (mA)
LTE Band 38_5M QPSK	3.85 Vdc	335
LTE Band 38_5M 16QAM	3.85 Vdc	291
LTE Band 38_10M QPSK	3.85 Vdc	314
LTE Band 38_10M 16QAM	3.85 Vdc	277
LTE Band 38_15M QPSK	3.85 Vdc	316
LTE Band 38_15M 16QAM	3.85 Vdc	281
LTE Band 38_20M QPSK	3.85 Vdc	305
LTE Band 38_20M 16QAM	3.85 Vdc	276

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 41_5M QPSK	3.85 Vdc	316
LTE Band 41_5M 16QAM	3.85 Vdc	284
LTE Band 41_10M QPSK	3.85 Vdc	320
LTE Band 41_10M 16QAM	3.85 Vdc	286
LTE Band 41_15M QPSK	3.85 Vdc	313
LTE Band 41_15M 16QAM	3.85 Vdc	291
LTE Band 41_20M QPSK	3.85 Vdc	305
LTE Band 41_20M 16QAM	3.85 Vdc	276

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LTE Band 26 for Part 90S

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 26_1.4M QPSK	3.85 Vdc	658
LTE Band 26_1.4M 16QAM	3.85 Vdc	613
LTE Band 26_3M QPSK	3.85 Vdc	658
LTE Band 26_3M 16QAM	3.85 Vdc	599
LTE Band 26_5M QPSK	3.85 Vdc	642
LTE Band 26_5M 16QAM	3.85 Vdc	598
LTE Band 26_10M QPSK	3.85 Vdc	641
LTE Band 26_10M 16QAM	3.85 Vdc	592

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2.6. Configuration of Tested System

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

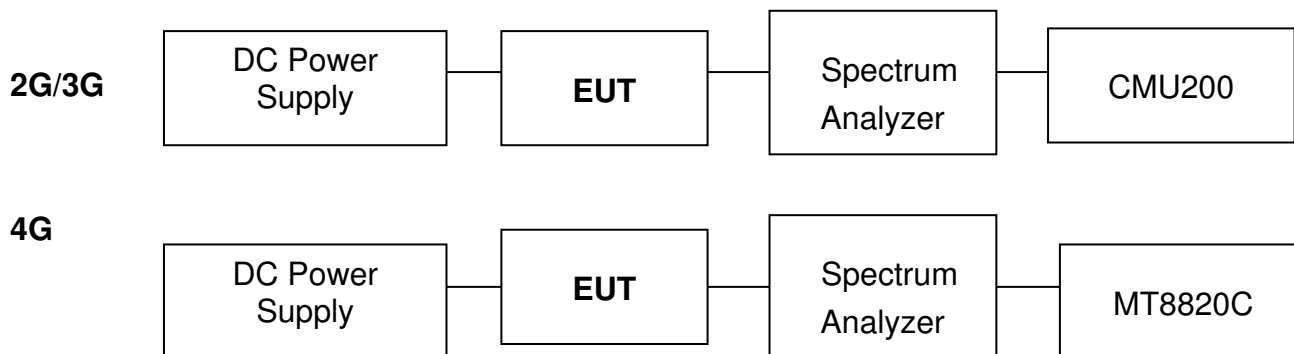


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)

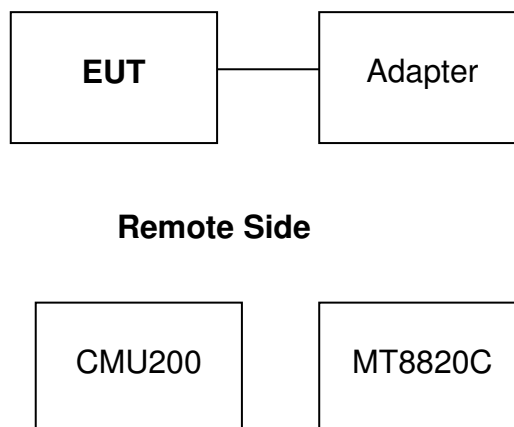


Table 2-1 Equipment Used in

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)(2) §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) §6.4 (RSS-139) §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) §4.6 (RSS-199)	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements	Compliant

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§2.1053 §22.917(a) §24.238(a) §27.53(c)(2),(4) §27.50(c)(5) §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) §6.5 (RSS-139) §4.6 (RSS-199)	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.53(d) (5) §27.50(i) (B)	§4.4 (RSS-130) §5.4 (RSS-132) §6.4 (RSS-133) §6.4 (RSS-139) §5.4 (RSS-132)	Peak to Average Ratio	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) §6.3 (RSS-139) §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 and Wireless charging Cover
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	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 26	E2-plan	E2-plan
LTE Bnad 38	E2-plan	E2-plan
LTE Band 41	E2-plan	E2-plan
LTE Band 26 for Part 90S	E2-plan	E2-plan

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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	GSM 850 GPRS 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	4183 1413 9400	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, 4183, 4233 1312, 1413, 1513 9262, 9400, 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	HSDPA 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	1 RB/ 0,5 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	16QAM	Full RB
BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	18625 to 19175	18625, 19175	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	18650 to 19150	18650, 19150	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
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	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB, 0 RB Offest

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LTE Band 4 MODE

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

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LTE Band 5 MODE

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

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LTE Band 7 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20800 to 21400	21100	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	20775 to 21425	20775, 21100, 21425	5MHz	16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	16QAM	Full RB
BAND EDGE	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
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	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB, 0 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	1 RB/ 0,5 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23060 to 23130	23095	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	23017 to 23173	23017, 23095, 23173	1.4MHz	16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	16QAM	Full RB
BAND EDGE	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
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	5MHz	16QAM	1 RB, 24 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	1 RB/ 0,24 RB Offest
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23780 to 23800	23790	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	23755 to 23825	23755, 23790, 23825	5MHz	16QAM	Full RB
	23780 to 23800	23780, 23790, 23800	10MHz	16QAM	Full RB
BAND EDGE	23755 to 23825	23755, 23825	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	23780 to 23800	23780, 23800	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
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	23755 to 23825	23755, 23790, 23825	5MHz	16QAM	1 RB, 0 RB Offest

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LTE Band 26 MODE

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

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LTE Band 38 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	37775 to 38225	37775, 38000, 38225	5MHz	16QAM	Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	16QAM	Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	16QAM	Full RB
BAND EDGE	37775 to 38225	37775, 38000, 38225	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
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	1 RB/ 0,24 RB Offest
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK, 16QAM	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	Full RB
	40190 to 41190	40190 , 40690, 41190	10MHz	QPSK, 16QAM	Full RB
	40215 to 41165	40215 , 40690, 41165	15MHz	QPSK, 16QAM	Full RB
	40240 to 41140	40240 , 40690, 41140	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	40165 to 41215	40165, 40690, 41215	5MHz	16QAM	Full RB
	40190 to 41190	40190 , 40690, 41190	10MHz	16QAM	Full RB
	40215 to 41165	40215 , 40690, 41165	15MHz	16QAM	Full RB
	40240 to 41140	40240 , 40690, 41140	20MHz	16QAM	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	40165 to 41215	40165, 40690, 41215	5MHz	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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LTE Band 26 for 90S MODE

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

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5. MEASUREMENT UNCERTAINTY

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

Radiated Spurious Emission:

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

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

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

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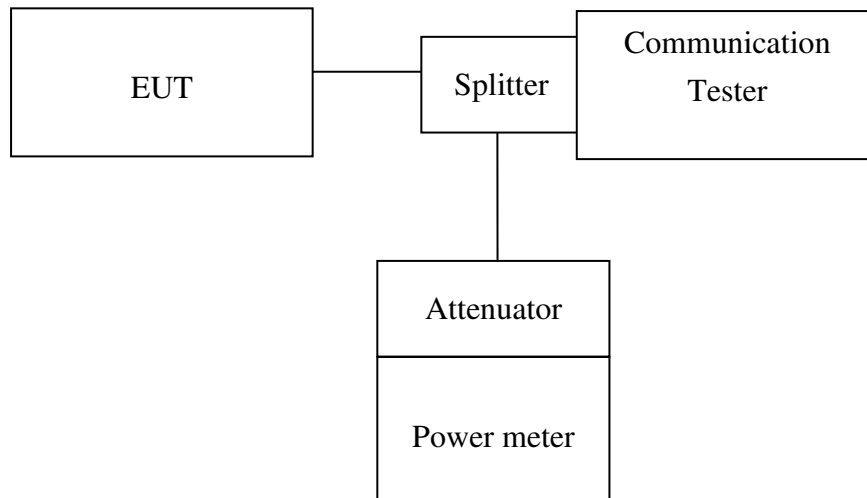
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6. RF CONDUCTED OUTPUT POWER MEASUREMENT

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.
Power Meter	Anritsu	ML2495A	1005007	12/09/2015	12/08/2016
Power Sensor	Anritsu	MA2411B	917032	12/09/2015	12/08/2016
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017
Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016
Radio Communication Analyzer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

6.5. Measurement Result

RF Conducted Output Power

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

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Averager Burst Power (dBm)
GSM 850	824.2	128	33.50	33.20
	836.6	190	33.40	33.20
	848.8	251	33.60	33.40
GSM 1900	1850.2	512	30.60	30.50
	1880.0	661	30.60	30.40
	1909.8	810	30.50	30.30

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EUT Mode	Frequency (MHz)	CH	Peak Power (1DN 1UP) Class 8 (dBm)	Average Burst Power (1DN 1UP) Class 8 (dBm)	Peak Power (1DN 2UP) Class 10 (dBm)	Average Burst Power (1DN 2UP) Class 10 (dBm)
GPRS 850	824.2	128	33.50	33.20	33.30	33.10
	836.6	190	33.40	33.20	33.30	33.00
	848.8	251	33.60	33.40	33.40	33.20
GPRS 1900	1850.2	512	30.60	30.50	30.50	30.40
	1880.0	661	30.60	30.40	30.50	30.30
	1909.8	810	30.50	30.30	30.40	30.20
EDGE 850	824.2	128	30.20	27.00	29.90	26.80
	836.6	190	30.30	27.10	30.10	26.90
	848.8	251	30.40	27.20	30.20	27.00
EDGE 1900	1850.2	512	28.90	25.80	28.90	25.80
	1880.0	661	29.00	25.80	28.80	25.60
	1909.8	810	29.00	25.70	28.90	25.70

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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:

EUT Mode		WCDMA Band II		HSDPA Band II		HSUPA Band II	
Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)	Peak Power (dBm)	Avg. Power (dBm)	Peak Power (dBm)	Avg. Power (dBm)
1852.4	9262	26.76	23.26	26.05	22.08	25.61	21.55
1880.0	9400	26.81	23.23	26.01	22.11	25.44	21.58
1907.6	9538	26.54	23.28	25.87	22.05	25.47	21.53

EUT Mode		WCDMA Band IV		HSDPA Band IV		HSUPA Band IV	
Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)	Peak Power (dBm)	Avg. Power (dBm)	Peak Power (dBm)	Avg. Power (dBm)
1712.4	1312	26.71	23.61	25.96	22.33	25.48	21.84
1732.6	1412	26.85	23.64	26.06	22.41	25.63	21.92
1752.6	1513	26.95	23.57	26.13	22.32	25.62	21.83

EUT Mode		WCDMA Band V		HSDPA Band V		HSUPA Band V	
Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)	Peak Power (dBm)	Avg. Power (dBm)	Peak Power (dBm)	Avg. Power (dBm)
826.4	4132	27.45	23.85	26.48	22.64	26.12	22.18
836.6	4183	26.73	23.52	25.96	22.25	25.32	21.74
846.6	4233	27.24	23.72	26.31	22.53	25.87	22.02

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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	22.96	22.92	23.21	22.31	21.67	22
	1	5	22.99	22.94	23.16	22	22.06	22.03
	3	2	23.13	23.02	23.13	22	22.05	22.2
	6	0	21.98	21.92	22.08	21.04	21.05	21.02

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	22.78	22.85	23	22.01	21.94	21.71
	1	14	22.59	22.92	23.14	21.63	21.7	21.84
	8	4	21.98	21.92	22.06	21.17	21.07	21.08
	15	0	22	21.83	22.03	20.65	20.92	21.11

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	22.78	22.88	22.62	21.76	21.54	21.68
	1	24	22.78	22.74	22.75	21.71	21.47	22.07
	12	6	21.92	21.81	22.15	21.13	21.06	21.08
	25	0	21.82	21.79	22.04	20.82	20.89	21.06

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18650	Channel (Mid) 18900	Channel (High) 19150	Channel (Low) 18650	Channel (Mid) 18900	Channel (High) 19150
10	1	0	22.75	22.76	22.72	21.17	21.53	21.82
	1	49	22.61	22.95	23.18	21.32	21.88	21.46
	25	12	21.79	21.9	22.04	20.78	20.97	21.1
	50	0	21.83	21.96	22	20.95	21.09	21.1

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	23.1	22.93	23	22.07	21.95	21.67
	1	74	22.74	23.15	23.06	21.28	21.6	22.17
	36	19	21.81	21.87	22.03	20.75	20.87	21.01
	75	0	21.9	21.89	22	20.95	20.95	20.94

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	22.72	22.8	22.62	21.94	21.65	21.62
	1	99	22.58	23.05	22.73	21.55	21.64	21.52
	50	25	21.79	21.8	21.96	20.84	20.83	20.95
	100	0	21.91	21.8	21.97	20.92	20.96	20.96

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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) 19957	Channel (Mid) 20175	Channel (High) 20393	Channel (Low) 19957	Channel (Mid) 20175	Channel (High) 20393
1.4	1	0	22.9	22.85	22.8	22.31	21.73	21.72
	1	5	23.04	23.13	23	22.09	21.63	21.86
	3	2	23.03	23.33	23.03	22.29	22.32	22.07
	6	0	22.02	21.89	21.84	20.84	21.18	20.84

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 19965	Channel (Mid) 20175	Channel (High) 20385	Channel (Low) 19965	Channel (Mid) 20175	Channel (High) 20385
3	1	0	22.79	22.61	22.54	22.12	22.18	22
	1	14	23.09	22.99	22.88	21.83	21.5	21.72
	8	4	22.04	22.03	21.99	21.05	21.19	20.89
	15	0	21.96	21.95	21.93	20.99	21.07	20.9

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 19975	Channel (Mid) 20175	Channel (High) 20375	Channel (Low) 19975	Channel (Mid) 20175	Channel (High) 20375
5	1	0	22.75	22.79	22.66	21.74	21.76	21.5
	1	24	22.81	22.95	22.87	21.55	21.56	21.59
	12	6	21.94	22	22.22	21.15	21.12	21.23
	25	0	22.03	22.01	22.06	21.1	21.08	21.21

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LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20000	Channel (Mid) 20175	Channel (High) 20350	Channel (Low) 20000	Channel (Mid) 20175	Channel (High) 20350
10	1	0	22.84	22.8	22.77	22.06	21.97	21.75
	1	49	22.67	22.7	23.01	21.97	21.86	21.39
	25	12	21.94	22	22.05	21.13	21.19	21.38
	50	0	22.1	22.04	22.11	20.98	21.14	21.18

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20025	Channel (Mid) 20175	Channel (High) 20325	Channel (Low) 20025	Channel (Mid) 20175	Channel (High) 20325
15	1	0	23.03	22.8	23.04	21.41	21.73	22.14
	1	74	22.96	22.9	22.97	21.7	21.63	22.04
	36	19	21.92	21.98	22.04	20.99	21.06	21.11
	75	0	22.15	21.92	22.07	21.19	21.11	21.11

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20050	Channel (Mid) 20175	Channel (High) 20300	Channel (Low) 20050	Channel (Mid) 20175	Channel (High) 20300
20	1	0	22.58	22.68	22.77	21.49	21.74	21.82
	1	99	22.76	22.7	22.83	21.95	21.95	21.94
	50	25	21.95	21.96	22.07	21.21	21.08	21.22
	100	0	22.04	21.88	22.08	21.04	21.03	21.15

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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) 20407	Channel (Mid) 20525	Channel (High) 20643	Channel (Low) 20407	Channel (Mid) 20525	Channel (High) 20643
1.4	1	0	22.89	22.94	23.12	22.31	21.91	21.59
	1	5	22.95	23.07	23.1	21.44	21.71	21.84
	3	2	23.46	23.21	23.19	22	21.88	22.38
	6	0	22.14	21.88	22.16	21.05	20.88	21.11

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20415	Channel (Mid) 20525	Channel (High) 20635	Channel (Low) 20415	Channel (Mid) 20525	Channel (High) 20635
3	1	0	23	22.91	22.93	21.53	22.2	22.56
	1	14	22.96	22.76	22.72	21.8	21.97	21.86
	8	4	21.96	22.07	22.16	21.17	21.19	21.14
	15	0	22.12	21.93	22.18	21.18	21.16	21.21

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LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20425	Channel (Mid) 20525	Channel (High) 20625	Channel (Low) 20425	Channel (Mid) 20525	Channel (High) 20625
5	1	0	22.56	22.81	22.8	21.47	21.66	22.12
	1	24	22.89	22.69	22.73	21.56	21.85	21.86
	12	6	22.05	22.06	21.98	21.23	21.22	21.25
	25	0	21.97	22.02	22	21.36	21.09	21.43

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20450	Channel (Mid) 20525	Channel (High) 20600	Channel (Low) 20450	Channel (Mid) 20525	Channel (High) 20600
10	1	0	22.72	22.69	22.91	21.63	21.86	21.58
	1	49	23.14	22.65	22.97	22.26	22	21.76
	25	12	21.95	21.99	22.08	21.18	21.39	21.31
	50	0	22.07	21.98	22.1	21.24	20.91	21.14

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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) 20775	Channel (Mid) 21100	Channel (High) 21425	Channel (Low) 20775	Channel (Mid) 21100	Channel (High) 21425
5	1	0	23.08	22.95	23.19	22.23	21.71	21.86
	1	24	22.88	22.72	22.89	21.97	22.33	22.09
	12	6	22.4	22.13	22.18	21.15	21.13	21.12
	25	0	21.84	21.94	21.94	21.46	21.17	21.55

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20800	Channel (Mid) 21100	Channel (High) 21400	Channel (Low) 20800	Channel (Mid) 21100	Channel (High) 21400
10	1	0	23.14	22.84	23.43	22.27	21.84	22.16
	1	49	22.92	22.96	22.93	22.31	21.94	22.43
	25	12	21.91	22.04	22.07	21.51	21.33	21.69
	50	0	22.15	22.01	22.25	21.39	21.05	21.35

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LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20825	Channel (Mid) 21100	Channel (High) 21375	Channel (Low) 20825	Channel (Mid) 21100	Channel (High) 21375
15	1	0	21.66	21.44	21.72	20.75	20.96	21.18
	1	74	21.42	21.55	21.29	20.71	20.85	20.68
	36	19	20.51	20.63	20.39	19.45	19.36	19.38
	75	0	20.54	20.57	20.44	19.45	19.58	19.48

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20850	Channel (Mid) 21100	Channel (High) 21350	Channel (Low) 20850	Channel (Mid) 21100	Channel (High) 21350
20	1	0	23.28	23.13	22.47	22.03	21.48	22.01
	1	99	23.31	23.23	23.2	21.4	21.74	22.72
	50	25	21.93	22.05	22.23	21.51	21.15	21.39
	100	0	22.21	22.03	22.24	20.97	21.16	21.28

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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) 23017	Channel (Mid) 23095	Channel (High) 23173	Channel (Low) 23017	Channel (Mid) 23095	Channel (High) 23173
1.4	1	0	23	23.02	23.06	21.54	22.19	21.95
	1	5	22.95	23.25	22.88	21.58	22.07	22.11
	3	2	22.98	23.1	22.99	21.93	21.89	22.22
	6	0	21.94	21.97	22.03	20.98	20.93	20.87

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23025	Channel (Mid) 23095	Channel (High) 23165	Channel (Low) 23025	Channel (Mid) 23095	Channel (High) 23165
3	1	0	22.86	22.95	22.96	21.61	22.13	21.96
	1	14	23.11	22.7	22.74	21.63	21.62	21.91
	8	4	21.91	22.03	22.1	21.15	21.09	21.13
	15	0	21.92	22.04	22.17	20.91	21.18	21.32

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23035	Channel (Mid) 23095	Channel (High) 23155	Channel (Low) 23035	Channel (Mid) 23095	Channel (High) 23155
5	1	0	22.64	22.67	22.82	21.54	21.79	21.89
	1	24	23.06	22.79	22.62	22.01	21.63	21.34
	12	6	22.1	22.13	22.1	21.22	20.87	21.19
	25	0	22	22.04	21.99	21.16	21	21.27

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LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23060	Channel (Mid) 23095	Channel (High) 23130	Channel (Low) 23060	Channel (Mid) 23095	Channel (High) 23130
10	1	0	22.27	22.72	22.74	21.01	22.24	21.96
	1	49	22.78	22.75	22.68	21.44	21.66	21.78
	25	12	21.94	21.98	22.02	20.94	21.22	21.27
	50	0	21.98	22.05	22.03	20.85	21	21.12

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	22.59	22.41	22.51	21.82	21.55	21.6
	1	24	22.41	22.6	22.8	21.45	21.92	21.93
	12	6	21.85	21.88	22.05	20.94	20.84	21.16
	25	0	21.89	21.83	22.04	21.05	21.07	21.09

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	22.92	22.72	22.56	21.82	21.62	21.52
	1	49	22.83	22.8	22.76	21.68	21.62	21.26
	25	12	22.01	21.87	21.97	21.16	20.89	20.85
	50	0	21.94	21.95	21.84	20.93	20.87	20.83

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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	22.78	22.74	22.74	21.92	21.71	21.36
	1	5	22.96	22.62	22.78	21.51	21.99	21.46
	3	2	22.98	22.94	22.94	21.88	21.89	21.86
	6	0	21.92	21.84	21.86	20.79	20.68	20.35

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26805	Channel (Mid) 26915	Channel (High) 27025	Channel (Low) 26805	Channel (Mid) 26915	Channel (High) 27025
3	1	0	22.84	22.92	22.57	21.81	21.41	21.83
	1	14	22.93	22.77	22.6	21.91	21.63	21.04
	8	4	21.95	21.93	21.94	21.22	20.99	20.66
	15	0	21.97	21.94	21.79	20.87	20.93	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) 26815	Channel (Mid) 26915	Channel (High) 27015	Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015
5	1	0	22.44	22.46	22.49	21.8	21.44	21.69
	1	24	22.43	22.75	22.61	21.24	21.58	21.45
	12	6	21.93	21.88	21.89	21.15	21.01	21.05
	25	0	21.82	21.85	21.76	21.09	20.9	20.78

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LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26840	Channel (Mid) 26915	Channel (High) 26990	Channel (Low) 26840	Channel (Mid) 26915	Channel (High) 26990
10	1	0	22.67	22.62	22.63	21.6	21.51	21.74
	1	49	22.9	22.98	22.92	21.57	21.59	21.92
	25	12	21.92	21.86	21.83	21.02	20.92	20.93
	50	0	21.91	21.79	21.81	20.95	20.95	20.81

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	22.74	22.68	22.56	21.81	21.79	21.84
	1	74	22.94	22.75	22.68	21.64	21.24	21.15
	36	19	21.8	21.67	21.66	20.84	20.76	20.71
	75	0	21.78	21.69	21.72	20.84	20.86	20.86

LTE Band 38

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 37775	Channel (Mid) 38000	Channel (High) 38225	Channel (Low) 37775	Channel (Mid) 38000	Channel (High) 38225
5	1	0	22.83	22.99	22.91	21.59	21.79	21.56
	1	24	23.07	23.1	22.9	21.75	21.77	21.68
	12	6	22.26	22.33	22.15	21.41	21.38	21
	25	0	22.25	22.3	22.18	21.21	21.46	21.36

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LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 37800	Channel (Mid) 38000	Channel (High) 38200	Channel (Low) 37800	Channel (Mid) 38000	Channel (High) 38200
10	1	0	23.1	23.13	23.19	21.85	21.98	21.88
	1	49	22.96	23.05	22.95	21.86	21.94	21.72
	25	12	22.4	22.38	22.23	21.45	21.35	21.01
	50	0	22.27	22.32	22.18	21.1	21.28	20.96

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 37825	Channel (Mid) 38000	Channel (High) 38175	Channel (Low) 37825	Channel (Mid) 38000	Channel (High) 38175
15	1	0	23.17	23.28	23.31	21.75	21.93	22.04
	1	74	23.24	23.28	23.22	21.88	22.09	21.7
	36	19	22.2	22.38	22.21	21.17	21.47	21.22
	75	0	22.34	22.39	22.23	21.27	21.32	21.18

LTE Band 38_Uplink frequency band : 2570 to 2620 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 37850	Channel (Mid) 38000	Channel (High) 38150	Channel (Low) 37850	Channel (Mid) 38000	Channel (High) 38150
20	1	0	22.97	23.13	23.27	21.81	21.84	22.13
	1	99	23.1	23.16	22.7	21.78	21.83	21.67
	50	25	22.26	22.32	22.29	21.29	21.38	21.16
	100	0	22.31	22.33	22.26	21.23	21.38	21.22

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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) 40165	Channel (Mid) 40690	Channel (High) 41215	Channel (Low) 40165	Channel (Mid) 40690	Channel (High) 41215
5	1	0	22.97	23.17	23.16	21.74	21.78	21.92
	1	24	23.18	23.1	23.2	21.78	21.88	21.99
	12	6	22.26	22.36	22.36	21.19	21.43	21.67
	25	0	22.33	22.33	22.46	21.59	21.62	21.23

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 40190	Channel (Mid) 40690	Channel (High) 41190	Channel (Low) 40190	Channel (Mid) 40690	Channel (High) 41190
10	1	0	23.08	23.16	23.25	21.91	21.9	21.91
	1	49	23.11	23.35	23.15	21.82	21.84	22.08
	25	12	22.32	22.36	22.39	21.25	21.26	21.35
	50	0	22.36	22.42	22.39	21.31	21.35	21.47

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LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 40215	Channel (Mid) 40690	Channel (High) 41165	Channel (Low) 40215	Channel (Mid) 40690	Channel (High) 41165
15	1	0	23.29	23.26	23.14	21.88	21.9	21.89
	1	74	23.29	23.38	23.63	22.01	21.88	22.09
	36	19	22.4	22.37	22.36	21.23	21.21	21.24
	75	0	22.37	22.35	22.39	21.42	21.31	21.36

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 40240	Channel (Mid) 40690	Channel (High) 41140	Channel (Low) 40240	Channel (Mid) 40690	Channel (High) 41140
20	1	0	23.13	23.04	23.15	21.96	21.8	22.38
	1	99	23.03	23.16	23.1	21.79	21.69	22.04
	50	25	22.39	22.33	22.24	21.28	21.4	21.32
	100	0	22.34	22.29	22.37	21.29	21.35	21.35

LTE Band 26 for Part 90S

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26697	Channel (Mid) 26740	Channel (High) 26783	Channel (Low) 26697	Channel (Mid) 26740	Channel (High) 26783
1.4	1	0	22.75	22.72	22.69	21.91	21.68	21.34
	1	5	22.91	22.6	22.72	21.48	21.95	21.4
	3	2	22.95	22.92	22.92	21.84	21.84	21.8
	6	0	21.89	21.8	21.83	20.73	20.66	20.27

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LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26705	Channel (Mid) 26740	Channel (High) 26775	Channel (Low) 26705	Channel (Mid) 26740	Channel (High) 26775
3	1	0	22.74	22.9	22.49	21.74	21.35	21.8
	1	14	22.86	22.72	22.54	21.86	21.56	20.98
	8	4	21.9	21.83	21.87	21.19	20.94	20.63
	15	0	21.91	21.87	21.75	20.8	20.89	20.95

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26715	Channel (Mid) 26740	Channel (High) 26765	Channel (Low) 26715	Channel (Mid) 26740	Channel (High) 26765
5	1	0	22.39	22.4	22.42	21.76	21.4	21.64
	1	24	22.38	22.67	22.5	21.17	21.5	21.41
	12	6	21.84	21.81	21.81	21.04	20.96	21.03
	25	0	21.72	21.79	21.71	21	20.83	20.74

LTE Band 26_Uplink frequency band : 814 to 824 MHz				
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	
			QPSK	16QAM
			Channel (Mid) 26740	Channel (Mid) 26740
10	1	0	22.58	21.5
	1	49	22.92	21.53
	25	12	21.81	20.89
	50	0	21.77	20.91

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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 Lim- itation (dBm)	Comments
		9262	9400	9538		
HSDPA (B2)	1	23.43	23.12	23.14	20.3dBm – 25.7dBm	Pass
	2	23.14	23.09	23.13	20.3dBm – 25.7dBm	Pass
	3	22.95	22.67	22.61	19.8dBm – 25.7dBm	Pass
	4	23.02	22.68	22.73	19.8dBm – 25.7dBm	Pass

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Lim- itation (dBm)	Comments
		1312	1413	1513		
HSDPA (B4)	1	23.32	23.74	23.41	20.3dBm – 25.7dBm	Pass
	2	23.49	23.50	23.42	20.3dBm – 25.7dBm	Pass
	3	22.84	23.29	22.88	19.8dBm – 25.7dBm	Pass
	4	22.91	22.88	23.00	19.8dBm – 25.7dBm	Pass

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Lim- itation (dBm)	Comments
		4132	4183	4233		
HSDPA (B5)	1	23.64	23.38	23.84	20.3dBm – 25.7dBm	Pass
	2	23.78	23.41	23.59	20.3dBm – 25.7dBm	Pass
	3	23.18	22.9	23.35	19.8dBm – 25.7dBm	Pass
	4	23.23	22.94	23.41	19.8dBm – 25.7dBm	Pass

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HSPA (HSDPA & HSUPA) Release 6 MODE

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

HSPA SUB-TEST Setting

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

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (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.

Results:

Mode	Sub-test	Avg. Power (dBm)			Power Class 3 Limitation (dBm)	Comments
		9262	9400	9538		
HSUPA(B2)	1	23.18	23.21	23.22	18.8dBm – 25.7dBm	Pass
	2	21.23	21.28	21.26	16.8dBm – 25.7dBm	Pass
	3	22.24	22.23	22.3	17.8dBm – 25.7dBm	Pass
	4	21.36	21.33	21.3	16.8dBm – 25.7dBm	Pass
	5	23.07	23.07	23.13	18.8dBm – 25.7dBm	Pass

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Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Lim- itation (dBm)	Comments
		1312	1413	1513		
HSDPA (B4)	1	23.53	23.62	23.51	20.3dBm – 25.7dBm	Pass
	2	21.58	21.69	21.55	20.3dBm – 25.7dBm	Pass
	3	22.59	22.64	22.59	19.8dBm – 25.7dBm	Pass
	4	21.71	21.74	21.59	19.8dBm – 25.7dBm	Pass
	5	23.42	23.48	23.42	19.8dBm – 25.7dBm	Pass

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Lim- itation (dBm)	Comments
		4132	4183	4233		
HSUPA(B5)	1	23.81	23.45	23.64	18.8dBm – 25.7dBm	Pass
	2	21.87	21.53	21.68	16.8dBm – 25.7dBm	Pass
	3	22.85	22.51	22.72	17.8dBm – 25.7dBm	Pass
	4	21.92	21.59	21.76	16.8dBm – 25.7dBm	Pass
	5	23.67	23.28	23.53	18.8dBm – 25.7dBm	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)	30.5	28.71	26.82	24.69	22.84	20.89	18.91	16.9	14.59

PCL	9	10	11	12	13	14	15
Output power (dBm)	12.71	10.63	8.76	6.86	4.83	3.15	0.98

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 3W 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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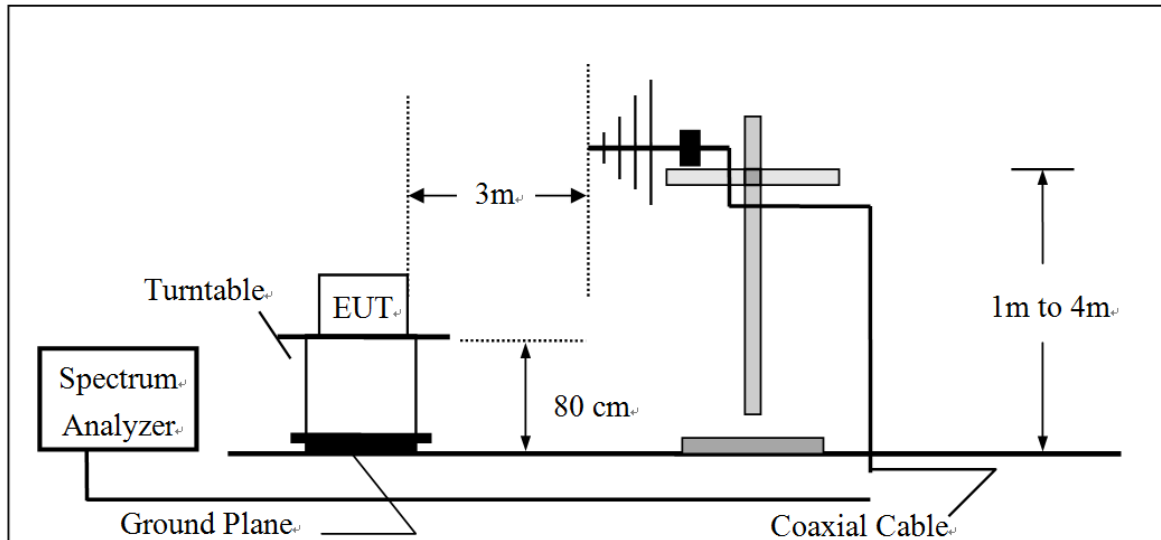
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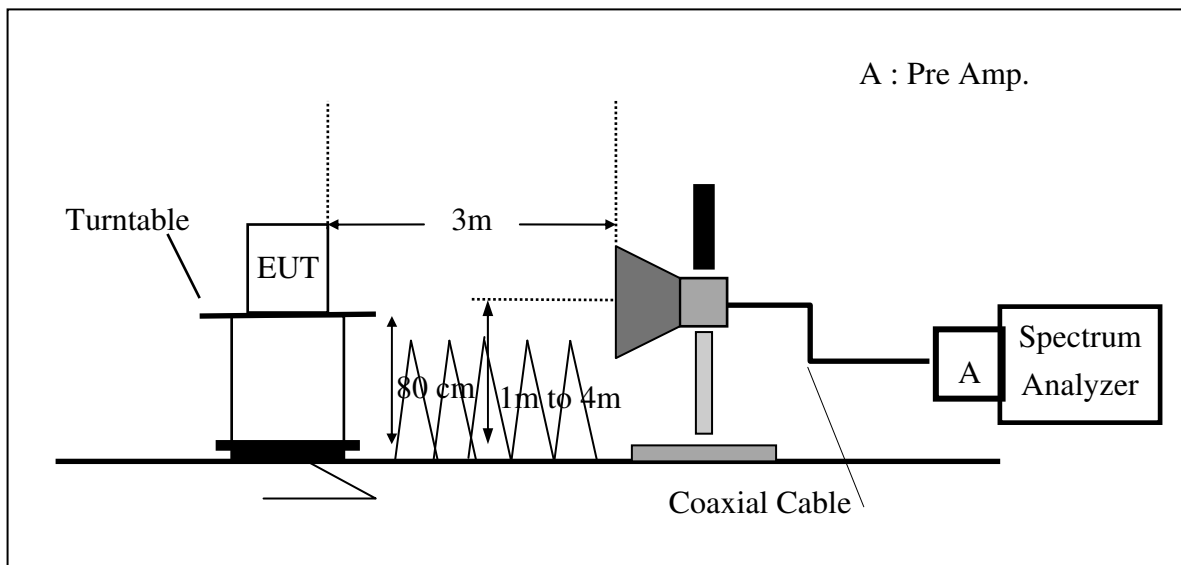
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7.2. Test SET-UP

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



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



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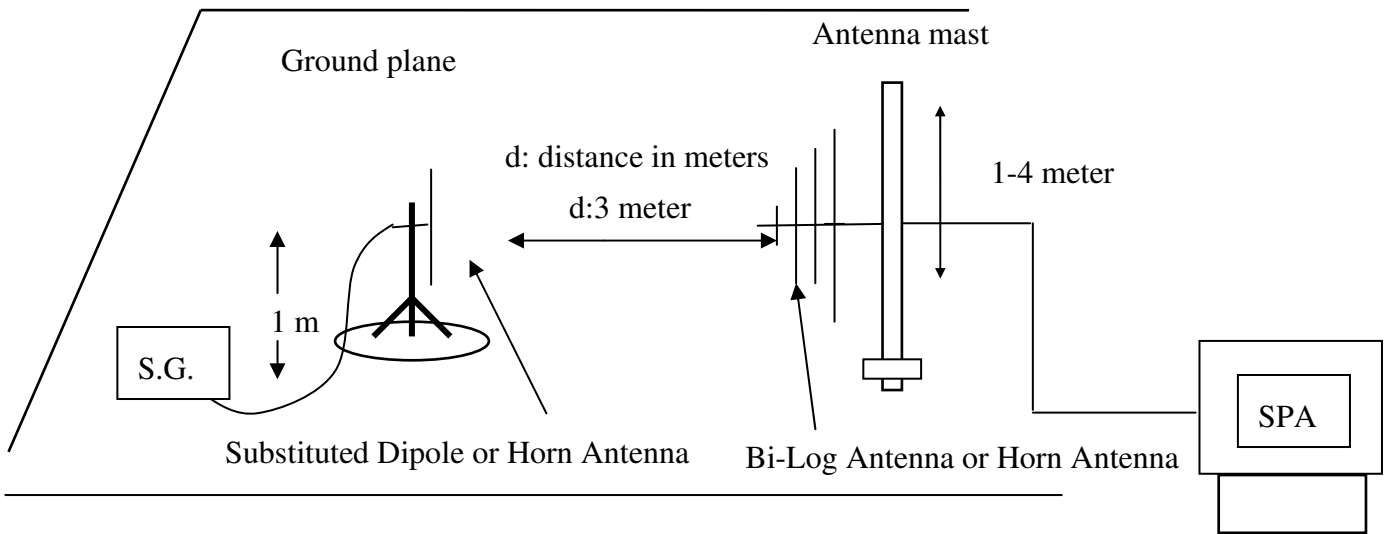
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(C) Substituted Method Test Set-UP



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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 $\approx 1 \sim 5\%$ 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	ESCI7	100760	05/10/2016	05/09/2017
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/29/2016	01/28/2017
Loop Antenna	ETS.LINDGREN	6502	148045	09/07/2015	09/06/2016
Bilog Antenna	SCHWAZBECK	VULB9168	378	12/14/2015	12/13/2016
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/10/2015	08/09/2016
Pre-Amplifier	Agilent	8447D	2944A07676	01/02/2016	01/01/2017
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/02/2016	01/01/2017
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	ChamPro	AM-BS-4500-B	060776-ABS	N.C.R	N.C.R
Controller	ChamPro	EM1000	60776	N.C.R	N.C.R
Low Loss Cable	Huber Suhner	966_RX	9	01/02/2016	01/01/2017
3m Site NSA	SGS	966 chamber	N/A	07/01/2016	06/30/2017
Low Loss Cable	Huber Suhner	966 TX	1	01/02/2016	01/01/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

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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	15.4	7.63	-3.37	19.66	38.45
			H	20.46	7.63	-3.37	24.72	38.45
	836.6	190	V	13.46	7.61	-3.29	17.78	38.45
			H	18.89	7.61	-3.29	23.21	38.45
	848.8	251	V	11.25	7.6	-3.09	15.76	38.45
			H	16.94	7.6	-3.09	21.45	38.45

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
GPRS 850	824.2	128	V	14.64	7.63	-3.37	18.9	38.45
			H	20.45	7.63	-3.37	24.71	38.45
	836.6	190	V	12.63	7.61	-3.29	16.95	38.45
			H	18.46	7.61	-3.29	22.78	38.45
	848.8	251	V	10.97	7.6	-3.09	15.48	38.45
			H	17.08	7.6	-3.09	21.59	38.45

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
EDGE 850	824.2	128	V	6.76	7.63	-3.36	11.03	38.45
			H	14.04	7.63	-3.36	18.31	38.45
	836.6	190	V	8.49	7.61	-3.29	12.81	38.45
			H	15.04	7.61	-3.29	19.36	38.45
	848.8	251	V	7.92	7.6	-3.1	12.42	38.45
			H	14.94	7.6	-3.1	19.44	38.45

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
GSM 1900	1850.2	512	V	19.87	9.59	-5.05	24.41	33.01
			H	25.19	9.59	-5.05	29.73	33.01
	1880.0	661	V	21.68	9.7	-5.15	26.23	33.01
			H	26.33	9.7	-5.15	30.88	33.01
	1909.8	810	V	19.65	9.79	-5.13	24.31	33.01
			H	25.69	9.79	-5.13	30.35	33.01

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
GPRS 1900	1850.2	512	V	7.04	9.59	-5.05	11.58	33.01
			H	14.39	9.59	-5.05	18.93	33.01
	1880.0	661	V	8.29	9.69	-5.15	12.83	33.01
			H	13.83	9.69	-5.15	18.37	33.01
	1909.8	810	V	9.11	9.79	-5.13	13.77	33.01
			H	16.25	9.79	-5.13	20.91	33.01

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
EDGE 1900	1850.2	512	V	16.03	9.6	-5.05	20.58	33.01
			H	24.28	9.6	-5.05	28.83	33.01
	1880.0	661	V	17.24	9.69	-5.15	21.78	33.01
			H	23.44	9.69	-5.15	27.98	33.01
	1909.8	810	V	17.62	9.79	-5.13	22.28	33.01
			H	23.62	9.79	-5.13	28.28	33.01

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
WCDMA B2	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	22.05	9.6	-5.05	26.6	33.01
			H	23.55	9.6	-5.05	28.1	33.01
	1880.0	9400	V	15.89	9.69	-5.16	20.42	33.01
			H	23.06	9.69	-5.16	27.59	33.01
	1907.6	9538	V	14.52	9.79	-5.12	19.19	33.01
			H	23.06	9.79	-5.12	27.73	33.01

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
HSDPA B2	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	20.66	9.6	-5.05	25.21	33.01
			H	22.16	9.6	-5.05	26.71	33.01
	1880.0	9400	V	16.22	9.69	-5.15	20.76	33.01
			H	22.5	9.69	-5.15	27.04	33.01
	1907.6	9538	V	16.07	9.79	-5.12	20.74	33.01
			H	22.08	9.79	-5.12	26.75	33.01

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
HSUPA B2	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	17.32	9.6	-5.05	21.87	33.01
			H	21.55	9.6	-5.05	26.1	33.01
	1880.0	9400	V	16.84	9.69	-5.15	21.38	33.01
			H	21.86	9.69	-5.15	26.4	33.01
	1907.6	9538	V	15.47	9.78	-5.12	20.13	33.01
			H	21.85	9.78	-5.12	26.51	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
WCDMA B4	1712.4	1312	V	5.97	9.12	-4.82	10.27	33.01
			H	11.31	9.12	-4.82	15.61	33.01
	1732.6	1413	V	9.45	9.19	-4.85	13.79	33.01
			H	13.61	9.19	-4.85	17.95	33.01
	1752.6	1513	V	8.28	9.25	-4.9	12.63	33.01
			H	14.37	9.25	-4.9	18.72	33.01

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
HSDPA B4	1712.4	1312	V	6.1	9.12	-4.82	10.4	33.01
			H	11.53	9.12	-4.82	15.83	33.01
	1732.6	1413	V	9.17	9.19	-4.85	13.51	33.01
			H	14.3	9.19	-4.85	18.64	33.01
	1752.6	1513	V	8.18	9.25	-4.9	12.53	33.01
			H	14.33	9.25	-4.9	18.68	33.01

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
HSUPA B4	1712.4	1312	V	6.23	9.12	-4.82	10.53	33.01
			H	11.37	9.12	-4.82	15.67	33.01
	1732.6	1413	V	9.42	9.19	-4.85	13.76	33.01
			H	14.16	9.19	-4.85	18.5	33.01
	1752.6	1513	V	8.38	9.26	-4.9	12.74	33.01
			H	14.25	9.25	-4.9	18.6	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
WCDMA B5	826.4	4132	V	9.59	5.48	-3.21	11.86	38.45
			H	14.79	5.48	-3.21	17.06	38.45
	836.6	4183	V	6.6	5.47	-3.3	8.77	38.45
			H	12.17	5.47	-3.3	14.34	38.45
	846.6	4233	V	6.03	5.45	-3.31	8.17	38.45
			H	12.36	5.45	-3.31	14.5	38.45

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
HSDPA B5	826.4	4132	V	9.92	5.48	-3.21	12.19	38.45
			H	14.06	5.48	-3.21	16.33	38.45
	836.6	4183	V	7.72	5.47	-3.32	9.87	38.45
			H	12.46	5.47	-3.32	14.61	38.45
	846.6	4233	V	7.18	5.45	-3.27	9.36	38.45
			H	13	5.45	-3.27	15.18	38.45

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
HSUPA B5	826.4	4132	V	9.52	5.48	-3.2	11.8	38.45
			H	12.54	5.48	-3.2	14.82	38.45
	836.6	4183	V	7.53	5.47	-3.31	9.69	38.45
			H	11.73	5.47	-3.31	13.89	38.45
	846.6	4233	V	6.77	5.45	-3.23	8.99	38.45
			H	13.12	5.45	-3.23	15.34	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 1.4M QPSK RB: 1,0	1850.7	18607	V	17.2	9.59	-5.05	21.74	33.01
			H	24.94	9.59	-5.05	29.48	33.01
	1880.0	18900	V	15.19	9.69	-5.15	19.73	33.01
			H	22.53	9.69	-5.15	27.07	33.01
	1909.3	19193	V	16.17	9.79	-5.13	20.83	33.01
			H	21.87	9.79	-5.13	26.53	33.01
BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	17.04	9.6	-5.05	21.59	33.01
			H	25.01	9.6	-5.05	29.56	33.01
	1880.0	18900	V	15.4	9.7	-5.16	19.94	33.01
			H	22.63	9.7	-5.16	27.17	33.01
	1909.3	19193	V	15.53	9.79	-5.13	20.19	33.01
			H	20.99	9.79	-5.13	25.65	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	16.9	9.59	-5.05	21.44	33.01
			H	24.96	9.59	-5.05	29.5	33.01
	1880.0	18900	V	15.23	9.69	-5.16	19.76	33.01
			H	22.66	9.69	-5.16	27.19	33.01
	1909.3	19193	V	16.18	9.79	-5.13	20.84	33.01
			H	21.73	9.79	-5.13	26.39	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	16.87	9.6	-5.05	21.42	33.01
			H	24.66	9.6	-5.05	29.21	33.01
	1880.0	18900	V	15.47	9.7	-5.16	20.01	33.01
			H	22.93	9.7	-5.16	27.47	33.01
	1909.3	19193	V	15.63	9.79	-5.13	20.29	33.01
			H	21.24	9.79	-5.13	25.9	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 3M QPSK RB: 1,0	1851.5	18615	V	17.28	9.59	-5.05	21.82	33.01
			H	24.92	9.59	-5.05	29.46	33.01
	1880.0	18900	V	14.91	9.69	-5.15	19.45	33.01
			H	22.36	9.69	-5.15	26.9	33.01
	1908.5	19185	V	16.81	9.79	-5.12	21.48	33.01
			H	22.69	9.79	-5.12	27.36	33.01
BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	16.92	9.6	-5.05	21.47	33.01
			H	25.02	9.6	-5.05	29.57	33.01
	1880.0	18900	V	15.69	9.7	-5.17	20.22	33.01
			H	22.88	9.7	-5.17	27.41	33.01
	1908.5	19185	V	16.23	9.8	-5.13	20.9	33.01
			H	21.01	9.8	-5.13	25.68	33.01
BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	16.94	9.59	-5.05	21.48	33.01
			H	24.63	9.59	-5.05	29.17	33.01
	1880.0	18900	V	14.94	9.69	-5.15	19.48	33.01
			H	22.41	9.69	-5.15	26.95	33.01
	1908.5	19185	V	16.95	9.79	-5.12	21.62	33.01
			H	23.11	9.79	-5.12	27.78	33.01
BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	17.07	9.6	-5.05	21.62	33.01
			H	24.47	9.6	-5.05	29.02	33.01
	1880.0	18900	V	15.84	9.7	-5.16	20.38	33.01
			H	23.04	9.7	-5.16	27.58	33.01
	1908.5	19185	V	15.45	9.8	-5.13	20.12	33.01
			H	21.15	9.8	-5.13	25.82	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 5M QPSK RB: 1,0	1852.5	18625	V	10.98	9.59	-5.05	15.52	33.01
			H	17.51	9.59	-5.05	22.05	33.01
	1880.0	18900	V	12.46	9.69	-5.14	17.01	33.01
			H	16.39	9.69	-5.14	20.94	33.01
	1907.5	19175	V	13.87	9.78	-5.12	18.53	33.01
			H	16.53	9.78	-5.12	21.19	33.01
BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	10.82	9.61	-5.53	14.9	33.01
			H	16.83	9.61	-5.53	20.91	33.01
	1880.0	18900	V	13.15	9.7	-5.17	17.68	33.01
			H	17.33	9.7	-5.17	21.86	33.01
	1907.5	19175	V	13.39	9.79	-5.13	18.05	33.01
			H	15.18	9.79	-5.13	19.84	33.01
BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	10.87	9.59	-5.05	15.41	33.01
			H	17.32	9.59	-5.05	21.86	33.01
	1880.0	18900	V	11.69	9.69	-5.15	16.23	33.01
			H	16.57	9.69	-5.15	21.11	33.01
	1907.5	19175	V	13.49	9.78	-5.12	18.15	33.01
			H	16.02	9.78	-5.12	20.68	33.01
BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	10.35	9.6	-5.05	14.9	33.01
			H	17.05	9.6	-5.05	21.6	33.01
	1880.0	18900	V	12.83	9.7	-5.17	17.36	33.01
			H	16.91	9.7	-5.17	21.44	33.01
	1907.5	19175	V	13.48	9.8	-5.13	18.15	33.01
			H	15.23	9.8	-5.13	19.9	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 10M QPSK RB: 1,0	1855.0	18650	V	16.84	9.59	-5.05	21.38	33.01
			H	24.73	9.59	-5.05	29.27	33.01
	1880.0	18900	V	14.77	9.68	-5.13	19.32	33.01
			H	21.95	9.68	-5.13	26.5	33.01
	1905.0	19150	V	15.99	9.76	-5.11	20.64	33.01
			H	22.15	9.76	-5.11	26.8	33.01
BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	16.26	9.62	-5.06	20.82	33.01
			H	23.59	9.62	-5.06	28.15	33.01
	1880.0	18900	V	16.56	9.71	-5.17	21.1	33.01
			H	23.69	9.71	-5.17	28.23	33.01
	1905.0	19150	V	15.73	9.79	-5.13	20.39	33.01
			H	21.54	9.79	-5.13	26.2	33.01
BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	16.48	9.59	-5.05	21.02	33.01
			H	25.36	9.59	-5.05	29.9	33.01
	1880.0	18900	V	14.9	9.68	-5.13	19.45	33.01
			H	22.22	9.68	-5.13	26.77	33.01
	1905.0	19150	V	16.06	9.76	-5.11	20.71	33.01
			H	22.22	9.76	-5.11	26.87	33.01
BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	16.03	9.62	-5.06	20.59	33.01
			H	23.81	9.62	-5.06	28.37	33.01
	1880.0	18900	V	16.88	9.71	-5.17	21.42	33.01
			H	23.63	9.71	-5.17	28.17	33.01
	1905.0	19150	V	16.57	9.79	-5.13	21.23	33.01
			H	21.62	9.79	-5.13	26.28	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 15M QPSK RB: 1,0	1857.5	18675	V	15.71	9.6	-5.05	20.26	33.01
			H	23.61	9.6	-5.05	28.16	33.01
	1880.0	18900	V	16.03	9.67	-5.11	20.59	33.01
			H	21.18	9.67	-5.11	25.74	33.01
	1902.5	19125	V	17.49	9.75	-5.13	22.11	33.01
			H	21.4	9.75	-5.13	26.02	33.01
BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	16.73	9.64	-5.07	21.3	33.01
			H	21.82	9.64	-5.07	26.39	33.01
	1880.0	18900	V	17.67	9.72	-5.17	22.22	33.01
			H	22.94	9.72	-5.17	27.49	33.01
	1902.5	19125	V	17.59	9.79	-5.13	22.25	33.01
			H	20.99	9.79	-5.13	25.65	33.01
BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	17.83	9.59	-5.05	22.37	33.01
			H	24.01	9.59	-5.05	28.55	33.01
	1880.0	18900	V	16.29	9.67	-5.12	20.84	33.01
			H	21.4	9.67	-5.12	25.95	33.01
	1902.5	19125	V	17.15	9.75	-5.13	21.77	33.01
			H	21.21	9.75	-5.13	25.83	33.01
BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	16.91	9.64	-5.07	21.48	33.01
			H	21.96	9.64	-5.07	26.53	33.01
	1880.0	18900	V	16.91	9.71	-5.17	21.45	33.01
			H	22.22	9.71	-5.17	26.76	33.01
	1902.5	19125	V	17.22	9.79	-5.13	21.88	33.01
			H	20.8	9.79	-5.13	25.46	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 20M QPSK RB: 1,0	1860.0	18700	V	15.8	9.6	-5.05	20.35	33.01
			H	23.13	9.6	-5.05	27.68	33.01
	1880.0	18900	V	18.08	9.66	-5.1	22.64	33.01
			H	21.44	9.66	-5.1	26	33.01
	1900.0	19100	V	15.99	9.7	-5.15	20.54	33.01
			H	21.8	9.7	-5.15	26.35	33.01
BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	14.51	9.66	-5.09	19.08	33.01
			H	20.7	9.66	-5.09	25.27	33.01
	1880.0	18900	V	22.47	9.72	-5.16	27.03	33.01
			H	15.66	9.72	-5.16	20.22	33.01
	1900.0	19100	V	15.43	9.79	-5.13	20.09	33.01
			H	20.87	9.79	-5.13	25.53	33.01
BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	15.45	9.59	-5.05	19.99	33.01
			H	22.82	9.59	-5.05	27.36	33.01
	1880.0	18900	V	20.8	9.66	-5.1	25.36	33.01
			H	14.19	9.66	-5.1	18.75	33.01
	1900.0	19100	V	16	9.73	-5.15	20.58	33.01
			H	21.92	9.73	-5.15	26.5	33.01
BAND 2 BW: 20M 16QAM RB: 1,99	1860.0	18700	V	14.59	9.66	-5.09	19.16	33.01
			H	20.75	9.66	-5.09	25.32	33.01
	1880.0	18900	V	15.53	9.72	-5.16	20.09	33.01
			H	22.12	9.72	-5.16	26.68	33.01
	1900.0	19100	V	15.65	9.79	-5.13	20.31	33.01
			H	20.87	9.79	-5.13	25.53	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 1.4M/ QPSK RB: 1,0	1710.7	19957	V	13.85	9.11	-4.82	18.14	30.00
			H	17.34	9.11	-4.82	21.63	30.00
	1732.5	20175	V	15.62	9.19	-4.85	19.96	30.00
			H	19.15	9.19	-4.85	23.49	30.00
	1754.3	20393	V	14.21	9.26	-4.91	18.56	30.00
			H	17.83	9.26	-4.91	22.18	30.00
BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	13.12	9.12	-4.82	17.42	30.00
			H	16.57	9.12	-4.82	20.87	30.00
	1732.5	20175	V	14.44	9.19	-4.86	18.77	30.00
			H	18.17	9.19	-4.86	22.5	30.00
	1754.3	20393	V	14.11	9.27	-4.91	18.47	30.00
			H	17.25	9.27	-4.91	21.61	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	12.96	9.11	-4.82	17.25	30.00
			H	17.26	9.11	-4.82	21.55	30.00
	1732.5	20175	V	14.25	9.19	-4.85	18.59	30.00
			H	19.14	9.19	-4.85	23.48	30.00
	1754.3	20393	V	14.51	9.26	-4.91	18.86	30.00
			H	18.09	9.26	-4.91	22.44	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	13.71	9.12	-4.82	18.01	30.00
			H	16.68	9.12	-4.82	20.98	30.00
	1732.5	20175	V	14.62	9.2	-4.86	18.96	30.00
			H	18.36	9.2	-4.86	22.7	30.00
	1754.3	20393	V	14.34	9.68	-4.91	19.11	30.00
			H	17.68	9.68	-4.91	22.45	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 3M QPSK RB: 1,0	1711.5	19965	V	13.1	9.11	-4.82	17.39	30.00
			H	16.89	9.11	-4.82	21.18	30.00
	1732.5	20175	V	15.01	9.19	-4.85	19.35	30.00
			H	18.77	9.19	-4.85	23.11	30.00
	1753.5	20385	V	14.54	9.25	-4.91	18.88	30.00
			H	17.93	9.25	-4.91	22.27	30.00
BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	13.03	9.12	-4.82	17.33	30.00
			H	17.29	9.12	-4.82	21.59	30.00
	1732.5	20175	V	14.8	9.19	-4.86	19.13	30.00
			H	19.11	9.19	-4.86	23.44	30.00
	1753.5	20385	V	13.64	9.27	-4.91	18	30.00
			H	17.34	9.27	-4.91	21.7	30.00
BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	13	9.12	-4.82	17.3	30.00
			H	17.01	9.12	-4.82	21.31	30.00
	1732.5	20175	V	14.22	9.19	-4.85	18.56	30.00
			H	18.76	9.19	-4.85	23.1	30.00
	1753.5	20385	V	14.24	9.26	-4.9	18.6	30.00
			H	17.97	9.26	-4.9	22.33	30.00
BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	13.91	9.12	-4.82	18.21	30.00
			H	17.32	9.12	-4.82	21.62	30.00
	1732.5	20175	V	14.8	9.19	-4.86	19.13	30.00
			H	19.06	9.19	-4.86	23.39	30.00
	1753.5	20385	V	14.21	9.27	-4.91	18.57	30.00
			H	17.89	9.27	-4.91	22.25	30.00

Remark :

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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	12.99	9.12	-4.82	17.29	30.00
			H	17.12	9.12	-4.82	21.42	30.00
	1732.5	20175	V	15.68	9.18	-4.85	20.01	30.00
			H	18.94	9.18	-4.85	23.27	30.00
	1752.5	20375	V	13.76	9.25	-4.91	18.1	30.00
			H	17.91	9.25	-4.91	22.25	30.00
BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	13.88	9.13	-4.83	18.18	30.00
			H	16.89	9.13	-4.83	21.19	30.00
	1732.5	20175	V	14.5	9.2	-4.86	18.84	30.00
			H	18.88	9.2	-4.86	23.22	30.00
	1752.5	20375	V	13.33	9.27	-4.91	17.69	30.00
			H	17.23	9.27	-4.91	21.59	30.00
BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	13.68	9.12	-4.82	17.98	30.00
			H	17.58	9.12	-4.82	21.88	30.00
	1732.5	20175	V	15.09	9.18	-4.85	19.42	30.00
			H	19.05	9.18	-4.85	23.38	30.00
	1752.5	20375	V	13.15	9.25	-4.91	17.49	30.00
			H	17.82	9.25	-4.91	22.16	30.00
BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	13.44	9.13	-4.83	17.74	30.00
			H	16.82	9.13	-4.83	21.12	30.00
	1732.5	20175	V	14.49	9.2	-4.86	18.83	30.00
			H	18.65	9.2	-4.86	22.99	30.00
	1752.5	20375	V	14.5	9.27	-4.91	18.86	30.00
			H	17.93	9.27	-4.91	22.29	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 10M QPSK RB: 1,0	1715.0	20000	V	13.83	9.12	-4.82	18.13	30.00
			H	17.76	9.12	-4.82	22.06	30.00
	1732.5	20175	V	14.73	9.18	-4.84	19.07	30.00
			H	19.13	9.18	-4.84	23.47	30.00
	1750.0	20350	V	14.45	9.24	-4.9	18.79	30.00
			H	18.25	9.24	-4.9	22.59	30.00
BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	13.52	9.15	-4.83	17.84	30.00
			H	17.48	9.15	-4.83	21.8	30.00
	1732.5	20175	V	14.27	9.2	-4.87	18.6	30.00
			H	18.93	9.2	-4.87	23.26	30.00
	1750.0	20350	V	14.15	9.26	-4.91	18.5	30.00
			H	17.71	9.26	-4.91	22.06	30.00
BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	13.85	9.12	-4.82	18.15	30.00
			H	17.42	9.12	-4.82	21.72	30.00
	1732.5	20175	V	14.55	9.18	-4.85	18.88	30.00
			H	18.66	9.18	-4.85	22.99	30.00
	1750.0	20350	V	14.48	9.23	-4.9	18.81	30.00
			H	18.03	9.23	-4.9	22.36	30.00
BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	13.54	9.15	-4.83	17.86	30.00
			H	17.69	9.15	-4.83	22.01	30.00
	1732.5	20175	V	14.03	9.2	-4.87	18.36	30.00
			H	18.76	9.2	-4.87	23.09	30.00
	1750.0	20350	V	14.43	9.27	-4.91	18.79	30.00
			H	18.13	9.27	-4.91	22.49	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 15M QPSK RB: 1,0	1717.5	20025	V	13.99	9.12	-4.82	18.29	30.00
			H	17.94	9.12	-4.82	22.24	30.00
	1732.5	20175	V	13.9	9.17	-4.84	18.23	30.00
			H	18.75	9.17	-4.84	23.08	30.00
	1747.5	20325	V	14.67	9.22	-4.88	19.01	30.00
			H	18.64	9.22	-4.88	22.98	30.00
BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	14.61	9.16	-4.84	18.93	30.00
			H	18.12	9.16	-4.84	22.44	30.00
	1732.5	20175	V	14.15	9.21	-4.88	18.48	30.00
			H	18.66	9.21	-4.88	22.99	30.00
	1747.5	20325	V	14.09	9.26	-4.91	18.44	30.00
			H	17.8	9.26	-4.91	22.15	30.00
BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	13.67	9.12	-4.82	17.97	30.00
			H	17.46	9.12	-4.82	21.76	30.00
	1732.5	20175	V	13.86	9.17	-4.84	18.19	30.00
			H	18.49	9.17	-4.84	22.82	30.00
	1747.5	20325	V	14.06	9.22	-4.88	18.4	30.00
			H	18.61	9.22	-4.88	22.95	30.00
BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	14.4	9.16	-4.84	18.72	30.00
			H	18.19	9.16	-4.84	22.51	30.00
	1732.5	20175	V	13.95	9.21	-4.88	18.28	30.00
			H	18.53	9.21	-4.88	22.86	30.00
	1747.5	20325	V	14.24	9.26	-4.91	18.59	30.00
			H	17.96	9.26	-4.91	22.31	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 20M QPSK RB: 1,0	1720.0	20050	V	14.47	9.12	-4.82	18.77	30.00
			H	18.35	9.12	-4.82	22.65	30.00
	1732.5	20175	V	14.29	9.16	-4.84	18.61	30.00
			H	18.15	9.16	-4.84	22.47	30.00
	1745.0	20300	V	15.05	9.2	-4.87	19.38	30.00
			H	19.21	9.2	-4.87	23.54	30.00
BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	15.25	9.18	-4.85	19.58	30.00
			H	18.84	9.18	-4.85	23.17	30.00
	1732.5	20175	V	13.79	9.22	-4.88	18.13	30.00
			H	18.26	9.22	-4.88	22.6	30.00
	1745.0	20300	V	14.19	9.26	-4.91	18.54	30.00
			H	17.82	9.26	-4.91	22.17	30.00
BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	13.71	9.12	-4.82	18.01	30.00
			H	17.63	9.12	-4.82	21.93	30.00
	1732.5	20175	V	13.25	9.16	-4.84	17.57	30.00
			H	17.96	9.16	-4.84	22.28	30.00
	1745.0	20300	V	14.92	9.2	-4.87	19.25	30.00
			H	18.99	9.2	-4.84	23.35	30.00
BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	14.58	9.18	-4.85	18.91	30.00
			H	19.09	9.18	-4.85	23.42	30.00
	1732.5	20175	V	14.46	9.22	-4.88	18.8	30.00
			H	18.35	9.22	-4.88	22.69	30.00
	1745.0	20300	V	14.58	9.26	-4.91	18.93	30.00
			H	18.4	9.26	-4.91	22.75	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 1.4M QPSK RB: 1,0	824.7	20407	V	9.21	5.49	-3.32	11.38	38.45
			H	12.82	5.49	-3.32	14.99	38.45
	836.5	20525	V	8.25	5.47	-3.36	10.36	38.45
			H	12.21	5.47	-3.36	14.32	38.45
	848.3	20643	V	8.02	5.45	-3.07	10.4	38.45
			H	11.97	5.45	-3.07	14.35	38.45
BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	9.14	5.49	-3.31	11.32	38.45
			H	9.71	5.49	-3.31	11.89	38.45
	836.5	20525	V	12.43	5.47	-3.27	14.63	38.45
			H	12.06	5.47	-3.27	14.26	38.45
	848.3	20643	V	7.91	5.45	-3.1	10.26	38.45
			H	11.79	5.45	-3.1	14.14	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	8.64	5.49	-3.32	10.81	38.45
			H	12.08	5.49	-3.32	14.25	38.45
	836.5	20525	V	7.65	5.47	-3.36	9.76	38.45
			H	11.48	5.47	-3.36	13.59	38.45
	848.3	20643	V	7.51	5.45	-3.07	9.89	38.45
			H	11.39	5.45	-3.07	13.77	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	8.68	5.48	-3.25	10.91	38.45
			H	11.88	5.48	-3.25	14.11	38.45
	836.5	20525	V	7.7	5.47	-3.35	9.82	38.45
			H	11.48	5.47	-3.35	13.6	38.45
	848.3	20643	V	7.56	5.45	-3.11	9.9	38.45
			H	11.15	5.45	-3.11	13.49	38.45

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 3M QPSK RB: 1,0	825.5	20415	V	9.36	5.49	-3.37	11.48	38.45
			H	12.34	5.49	-3.37	14.46	38.45
	836.5	20525	V	8.43	5.47	-3.37	10.53	38.45
			H	12.09	5.47	-3.37	14.19	38.45
	847.5	20635	V	7.95	5.45	-3.37	10.03	38.45
			H	11.88	5.45	-3.37	13.96	38.45
BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	9.2	5.48	-3.22	11.46	38.45
			H	12.21	5.48	-3.22	14.47	38.45
	836.5	20525	V	8.01	5.47	-3.18	10.3	38.45
			H	11.79	5.47	-3.18	14.08	38.45
	847.5	20635	V	7.89	5.45	-3.1	10.24	38.45
			H	11.89	5.45	-3.1	14.24	38.45
BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	8.83	5.49	-3.41	10.91	38.45
			H	11.72	5.49	-3.41	13.8	38.45
	836.5	20525	V	7.79	5.47	-3.35	9.91	38.45
			H	11.57	5.47	-3.35	13.69	38.45
	847.5	20635	V	7.56	5.45	-3.37	9.64	38.45
			H	11.27	5.45	-3.37	13.35	38.45
BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	8.59	5.48	-3.22	10.85	38.45
			H	11.8	5.48	-3.22	14.06	38.45
	836.5	20525	V	7.56	5.47	-3.28	9.75	38.45
			H	11.39	5.47	-3.28	13.58	38.45
	847.5	20635	V	7.52	5.45	-3.14	9.83	38.45
			H	11.43	5.45	-3.14	13.74	38.45

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 5M QPSK RB: 1,0	826.5	20425	V	9.22	5.49	-3.4	11.31	38.45
			H	12.54	5.49	-3.4	14.63	38.45
	836.5	20525	V	8.3	5.47	-3.4	10.37	38.45
			H	12.19	5.47	-3.4	14.26	38.45
	846.5	20625	V	7.78	5.46	-3.45	9.79	38.45
			H	11.66	5.46	-3.45	13.67	38.45
BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	8.82	5.48	-3.16	11.14	38.45
			H	11.97	5.48	-3.16	14.29	38.45
	836.5	20525	V	7.86	5.47	-3.18	10.15	38.45
			H	11.83	5.47	-3.18	14.12	38.45
	846.5	20625	V	7.85	5.45	-3.08	10.22	38.45
			H	11.62	5.45	-3.08	13.99	38.45
BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	8.48	5.49	-3.38	10.59	38.45
			H	12.38	5.49	-3.38	14.49	38.45
	836.5	20525	V	7.73	5.47	-3.37	9.83	38.45
			H	11.61	5.47	-3.37	13.71	38.45
	846.5	20625	V	7.36	5.46	-3.44	9.38	38.45
			H	11.18	5.46	-3.44	13.2	38.45
BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	8.31	5.48	-3.17	10.62	38.45
			H	11.48	5.48	-3.17	13.79	38.45
	836.5	20525	V	7.17	5.47	-3.13	9.51	38.45
			H	11.22	5.47	-3.13	13.56	38.45
	846.5	20625	V	7.37	5.45	-3.07	9.75	38.45
			H	11.22	5.45	-3.07	13.6	38.45

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 10M QPSK RB: 1,0	829.0	20450	V	9.63	5.48	-3.25	11.86	38.45
			H	12.53	5.48	-3.25	14.76	38.45
	836.5	20525	V	8.7	5.47	-3.4	10.77	38.45
			H	12.08	5.47	-3.4	14.15	38.45
	844.0	20600	V	7.85	5.47	-3.13	10.19	38.45
			H	11.62	5.47	-3.13	13.96	38.45
BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	8.81	5.47	-3.48	10.8	38.45
			H	12.49	5.47	-3.48	14.48	38.45
	836.5	20525	V	8.45	5.47	-3.46	10.46	38.45
			H	12.32	5.47	-3.46	14.33	38.45
	844.0	20600	V	8.06	5.47	-3.13	10.4	38.45
			H	7.17	5.47	-3.13	9.51	38.45
BAND 5 BW: 10M 16QAM RB: 1,0	829.0	20450	V	8.61	5.48	-3.24	10.85	38.45
			H	11.88	5.48	-3.24	14.12	38.45
	836.5	20525	V	8.25	5.48	-3.43	10.3	38.45
			H	11.85	5.48	-3.43	13.9	38.45
	844.0	20600	V	7.46	5.47	-3.14	9.79	38.45
			H	11.32	5.47	-3.14	13.65	38.45
BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	8.06	5.47	-3.49	10.04	38.45
			H	11.86	5.47	-3.49	13.84	38.45
	836.5	20525	V	7.6	5.46	-3.46	9.6	38.45
			H	11.7	5.46	-3.46	13.7	38.45
	844.0	20600	V	7.75	5.45	-3.11	10.09	38.45
			H	11.56	5.45	-3.11	13.9	38.45

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 5M QPSK RB: 1,0	2502.5	20775	V	14.23	10.4	-5.88	18.75	33.01
			H	17.62	10.4	-5.88	22.14	33.01
	2535.0	21100	V	16.16	10.46	-5.9	20.72	33.01
			H	18.82	10.46	-5.9	23.38	33.01
	2567.5	21425	V	16.11	10.52	-5.97	20.66	33.01
			H	20.13	10.52	-5.97	24.68	33.01
BAND 7 BW: 5M QPSK RB: 1,24	2502.5	20775	V	15.02	10.41	-5.89	19.54	33.01
			H	18.18	10.41	-5.89	22.7	33.01
	2535.0	21100	V	16.35	10.47	-5.9	20.92	33.01
			H	18.92	10.47	-5.9	23.49	33.01
	2567.5	21425	V	16.35	10.52	-5.88	20.99	33.01
			H	20.43	10.52	-5.88	25.07	33.01
BAND 7 BW: 5M 16QAM RB: 1,0	2502.5	20775	V	15.79	10.46	-5.9	20.35	33.01
			H	17.34	10.46	-5.9	21.9	33.01
	2535.0	21100	V	16.03	10.46	-5.9	20.59	33.01
			H	18.63	10.46	-5.9	23.19	33.01
	2567.5	21425	V	14.62	10.41	-5.89	19.14	33.01
			H	20.04	10.41	-5.89	24.56	33.01
BAND 7 BW: 5M 16QAM RB: 1,24	2502.5	20775	V	14.62	10.41	-5.89	19.14	33.01
			H	17.91	10.41	-5.89	22.43	33.01
	2535.0	21100	V	16.26	10.47	-5.9	20.83	33.01
			H	18.82	10.47	-5.9	23.39	33.01
	2567.5	21425	V	16.25	10.53	-5.98	20.8	33.01
			H	20.36	10.53	-5.98	24.91	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 10M QPSK RB: 1,0	2505.0	20800	V	14.28	10.4	-5.88	18.8	33.01
			H	17.74	10.4	-5.88	22.26	33.01
	2535.0	21100	V	16.16	10.45	-5.89	20.72	33.01
			H	18.97	10.45	-5.89	23.53	33.01
	2565.0	21400	V	16.68	10.51	-5.96	21.23	33.01
			H	20.17	10.51	-5.96	24.72	33.01
BAND 7 BW: 10M QPSK RB: 1,49	2505.0	20800	V	15.72	10.42	-5.89	20.25	33.01
			H	18.54	10.42	-5.89	23.07	33.01
	2535.0	21100	V	16.81	10.47	-5.9	21.38	33.01
			H	19.19	10.47	-5.9	23.76	33.01
	2565.0	21400	V	15.94	10.52	-5.98	20.48	33.01
			H	19.86	10.52	-5.98	24.4	33.01
BAND 7 BW: 10M 16QAM RB: 1,0	2505.0	20800	V	14.15	10.4	-5.88	18.67	33.01
			H	17.65	10.4	-5.88	22.17	33.01
	2535.0	21100	V	16	10.45	-5.89	20.56	33.01
			H	19.02	10.45	-5.89	23.58	33.01
	2565.0	21400	V	16.41	10.51	-5.96	20.96	33.01
			H	20.07	10.51	-5.96	24.62	33.01
BAND 7 BW: 10M 16QAM RB: 1,49	2505.0	20800	V	15.36	10.42	-5.89	19.89	33.01
			H	18.23	10.42	-5.89	22.76	33.01
	2535.0	21100	V	16.52	10.47	-5.9	21.09	33.01
			H	18.91	10.47	-5.9	23.48	33.01
	2565.0	21400	V	16.01	10.52	-5.98	20.55	33.01
			H	20.17	10.52	-5.98	24.71	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 15M QPSK RB: 1,0	2507.5	20825	V	14.4	10.4	-5.88	18.92	33.01
			H	17.8	10.4	-5.88	22.32	33.01
	2535.0	21100	V	15.94	10.45	-5.89	20.5	33.01
			H	19.09	10.45	-5.89	23.65	33.01
	2562.5	21375	V	17.04	10.5	-5.94	21.6	33.01
			H	19.82	10.5	-5.94	24.38	33.01
BAND 7 BW: 15M QPSK RB: 1,74	2507.5	20825	V	15.89	10.43	-5.89	20.43	33.01
			H	18.98	10.43	-5.89	23.52	33.01
	2535.0	21100	V	16.9	10.47	-5.91	21.46	33.01
			H	19.36	10.47	-5.91	23.92	33.01
	2562.5	21375	V	15.92	10.52	-5.98	20.46	33.01
			H	19.93	10.52	-5.98	24.47	33.01
BAND 7 BW: 15M 16QAM RB: 1,0	2507.5	20825	V	14.21	10.4	-5.88	18.73	33.01
			H	17.67	10.4	-5.88	22.19	33.01
	2535.0	21100	V	15.97	10.45	-5.89	20.53	33.01
			H	19	10.45	-5.89	23.56	33.01
	2562.5	21375	V	17.14	10.5	-5.94	21.7	33.01
			H	19.78	10.5	-5.94	24.34	33.01
BAND 7 BW: 15M 16QAM RB: 1,74	2507.5	20825	V	15.77	10.43	-5.89	20.31	33.01
			H	18.93	10.43	-5.89	23.47	33.01
	2535.0	21100	V	16.55	10.48	-5.91	21.12	33.01
			H	19.19	10.48	-5.91	23.76	33.01
	2562.5	21375	V	16.03	10.52	-5.98	20.57	33.01
			H	20.3	10.52	-5.98	24.84	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 20M QPSK RB: 1,0	2510.0	20850	V	14.38	10.4	-5.88	18.9	33.01
			H	17.84	10.4	-5.88	22.36	33.01
	2535.0	21100	V	15.69	10.45	-5.89	20.25	33.01
			H	18.71	10.45	-5.89	23.27	33.01
	2560.0	21350	V	16.92	10.49	-5.93	21.48	33.01
			H	19.29	10.49	-5.93	23.85	33.01
BAND 7 BW: 20M QPSK RB: 1,99	2510.0	20850	V	15.52	10.44	-5.89	20.07	33.01
			H	18.8	10.44	-5.89	23.35	33.01
	2535.0	21100	V	16.96	10.48	-5.91	21.53	33.01
			H	19.49	10.48	-5.91	24.06	33.01
	2560.0	21350	V	15.87	10.52	-5.98	20.41	33.01
			H	20.14	10.52	-5.98	24.68	33.01
BAND 7 BW: 20M 16QAM RB: 1,0	2510.0	20850	V	14.25	10.4	-5.88	18.77	33.01
			H	17.5	10.4	-5.88	22.02	33.01
	2535.0	21100	V	15.59	10.45	-5.89	20.15	33.01
			H	18.81	10.45	-5.89	23.37	33.01
	2560.0	21350	V	16.99	10.49	-5.93	21.55	33.01
			H	19.47	10.49	-5.93	24.03	33.01
BAND 7 BW: 20M 16QAM RB: 1,99	2510.0	20850	V	15.52	10.43	-5.89	20.06	33.01
			H	18.94	10.43	-5.89	23.48	33.01
	2535.0	21100	V	16.85	10.45	-5.9	21.4	33.01
			H	19.35	10.48	-5.9	23.93	33.01
	2560.0	21350	V	15.96	10.52	-5.98	20.5	33.01
			H	20.14	10.52	-5.98	24.68	33.01

Remark :

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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	9.44	5.45	-3.12	11.77	34.77
			H	10.38	5.45	-3.12	12.71	34.77
	707.5	23095	V	6.71	5.46	-3.22	8.95	34.77
			H	8.49	5.46	-3.22	10.73	34.77
	715.3	23173	V	5.03	5.46	-3.11	7.38	34.77
			H	8.11	5.46	-3.11	10.46	34.77
BAND 12 BW: 1.4M QPSK RB: 1,5	699.7	23017	V	9.41	5.46	-3.03	11.84	34.77
			H	10.19	5.46	-3.03	12.62	34.77
	707.5	23095	V	7.5	5.46	-3.2	9.76	34.77
			H	9.33	5.46	-3.2	11.59	34.77
	715.3	23173	V	4.84	5.46	-3.17	7.13	34.77
			H	8.36	5.46	-3.17	10.65	34.77
BAND 12 BW: 1.4M 16QAM RB: 1,0	699.7	23017	V	9.27	5.45	-3.13	11.59	34.77
			H	9.98	5.45	-3.13	12.3	34.77
	707.5	23095	V	6.28	5.46	-3.22	8.52	34.77
			H	8.2	5.46	-3.22	10.44	34.77
	715.3	23173	V	4.91	5.46	-3.09	7.28	34.77
			H	7.77	5.46	-3.09	10.14	34.77
BAND 12 BW: 1.4M 16QAM RB: 1,5	699.7	23017	V	8.89	5.46	-3	11.35	34.77
			H	9.85	5.46	-3	12.31	34.77
	707.5	23095	V	6.96	5.46	-3.23	9.19	34.77
			H	9.05	5.46	-3.23	11.28	34.77
	715.3	23173	V	4.96	5.46	-3.13	7.29	34.77
			H	8.09	5.46	-3.13	10.42	34.77

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 3M QPSK RB: 1,0	700.5	23025	V	9.44	5.45	-3.05	11.84	34.77
			H	10.23	5.46	-3.05	12.64	34.77
	707.5	23095	V	5.96	5.46	-3.12	8.3	34.77
			H	7.87	5.46	-3.12	10.21	34.77
	714.5	23165	V	6.01	5.46	-2.89	8.58	34.77
			H	8.77	5.46	-2.89	11.34	34.77
BAND 12 BW: 3M QPSK RB: 1,14	700.5	23025	V	7.39	5.46	-3.01	9.84	34.77
			H	8.79	5.46	-3.01	11.24	34.77
	707.5	23095	V	8.08	5.46	-3.14	10.4	34.77
			H	10.11	5.46	-3.14	12.43	34.77
	714.5	23165	V	5.42	5.46	-3.15	7.73	34.77
			H	8.52	5.46	-3.15	10.83	34.77
BAND 12 BW: 3M 16QAM RB: 1,0	700.5	23025	V	9.04	5.45	-3.13	11.36	34.77
			H	9.92	5.45	-3.13	12.24	34.77
	707.5	23095	V	5.76	5.46	-3.17	8.05	34.77
			H	7.54	5.46	-3.17	9.83	34.77
	714.5	23165	V	6.02	5.46	-2.88	8.6	34.77
			H	8.79	5.46	-2.88	11.37	34.77
BAND 12 BW: 3M 16QAM RB: 1,14	700.5	23025	V	7.43	5.46	-3.03	9.86	34.77
			H	8.7	5.46	-3.03	11.13	34.77
	707.5	23095	V	7.72	5.46	-3.15	10.03	34.77
			H	9.71	5.46	-3.15	12.02	34.77
	714.5	23165	V	5.31	5.46	-3.18	7.59	34.77
			H	8.27	5.46	-3.18	10.55	34.77

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 5M QPSK RB: 1,0	701.5	23035	V	8.93	5.46	-3.11	11.28	34.77
			H	10.54	5.45	-3.11	12.88	34.77
	707.5	23095	V	5.65	5.46	-3.06	8.05	34.77
			H	7.35	5.46	-3.06	9.75	34.77
	713.5	23155	V	8.24	5.46	-3.06	10.64	34.77
			H	10.63	5.46	-3.06	13.03	34.77
BAND 12 BW: 5M QPSK RB: 1,24	701.5	23035	V	5.95	5.46	-3.02	8.39	34.77
			H	7.45	5.46	-3.02	9.89	34.77
	707.5	23095	V	8.57	5.46	-3.09	10.94	34.77
			H	10.64	5.46	-3.09	13.01	34.77
	713.5	23155	V	5.2	5.46	-3.14	7.52	34.77
			H	8.05	5.46	-3.14	10.37	34.77
BAND 12 BW: 5M 16QAM RB: 1,0	701.5	23035	V	8.56	5.46	-3.17	10.85	34.77
			H	9.8	5.45	-3.17	12.08	34.77
	707.5	23095	V	5.56	5.46	-3.02	8	34.77
			H	7.35	5.46	-3.02	9.79	34.77
	713.5	23155	V	7.85	5.46	-3.07	10.24	34.77
			H	10.27	5.46	-3.07	12.66	34.77
BAND 12 BW: 5M 16QAM RB: 1,24	701.5	23035	V	5.84	5.46	-3.02	8.28	34.77
			H	7.36	5.46	-3.02	9.8	34.77
	707.5	23095	V	8.01	5.46	-3.11	10.36	34.77
			H	10.28	5.46	-3.11	12.63	34.77
	713.5	23155	V	4.87	5.46	-3.12	7.21	34.77
			H	7.7	5.46	-3.12	10.04	34.77

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 10M QPSK RB: 1,0	704.0	23060	V	9.31	5.46	-3.05	11.72	34.77
			H	10.18	5.46	-3.05	12.59	34.77
	707.5	23095	V	6.77	5.46	-3.03	9.2	34.77
			H	7.74	5.46	-3.03	10.17	34.77
	711.0	23130	V	6	5.46	-3.22	8.24	34.77
			H	7.98	5.46	-3.22	10.22	34.77
BAND 12 BW: 10M QPSK RB: 1,49	704.0	23060	V	7.18	5.46	-3.21	9.43	34.77
			H	9.73	5.46	-3.21	11.98	34.77
	707.5	23095	V	8.45	5.46	-3.04	10.87	34.77
			H	10.48	5.46	-3.04	12.9	34.77
	711.0	23130	V	5.19	5.46	-3.12	7.53	34.77
			H	8.32	5.46	-3.12	10.66	34.77
BAND 12 BW: 10M 16QAM RB: 1,0	704.0	23060	V	8.44	5.46	-3.04	10.86	34.77
			H	9.58	5.46	-3.04	12	34.77
	707.5	23095	V	6.44	5.46	-3.03	8.87	34.77
			H	7.68	5.46	-3.03	10.11	34.77
	711.0	23130	V	5.61	5.46	-3.15	7.92	34.77
			H	7.93	5.46	-3.15	10.24	34.77
BAND 12 BW: 10M 16QAM RB: 1,49	704.0	23060	V	6.85	5.46	-3.18	9.13	34.77
			H	9.31	5.46	-3.18	11.59	34.77
	707.5	23095	V	8.11	5.46	-3.02	10.55	34.77
			H	10.29	5.46	-3.02	12.73	34.77
	711.0	23130	V	4.95	5.46	-3.1	7.31	34.77
			H	8.12	5.46	-3.1	10.48	34.77

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 17 BW: 5M QPSK RB: 1,0	706.5	23755	V	4.26	5.46	-3.22	6.5	34.77
			H	11.44	5.46	-3.22	13.68	34.77
	710.0	23790	V	3.69	5.46	-3.19	5.96	34.77
			H	12.87	5.46	-3.19	15.14	34.77
	713.5	23825	V	6.42	5.46	-3.06	8.82	34.77
			H	14.36	5.46	-3.06	16.76	34.77
BAND 17 BW: 5M QPSK RB: 1,24	706.5	23755	V	6.53	5.46	-3.07	8.92	34.77
			H	13.47	5.46	-3.07	15.86	34.77
	710.0	23790	V	6.55	5.46	-3.09	8.92	34.77
			H	13.83	5.46	-3.09	16.2	34.77
	713.5	23825	V	3.15	5.46	-3.15	5.46	34.77
			H	11.47	5.46	-3.13	13.8	34.77
BAND 17 BW: 5M 16QAM RB: 1,0	706.5	23755	V	4.1	5.46	-2.99	6.57	34.77
			H	11.31	5.46	-2.99	13.78	34.77
	710.0	23790	V	3.57	5.46	-3	6.03	34.77
			H	12.48	5.46	-3	14.94	34.77
	713.5	23825	V	5.85	5.46	-3.07	8.24	34.77
			H	13.85	5.46	-3.07	16.24	34.77
BAND 17 BW: 5M 16QAM RB: 1,24	706.5	23755	V	5.86	5.46	-3.07	8.25	34.77
			H	13.1	5.46	-3.07	15.49	34.77
	710.0	23790	V	5.87	5.46	-3.1	8.23	34.77
			H	13.48	5.46	-3.1	15.84	34.77
	713.5	23825	V	2.92	5.46	-3.15	5.23	34.77
			H	11.25	5.46	-3.15	13.56	34.77

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 17 BW: 10M QPSK RB: 1,0	709.0	23780	V	3.68	5.46	-3	6.14	34.77
			H	11.38	5.46	-3	13.84	34.77
	710.0	23790	V	4.97	5.46	-3.07	7.36	34.77
			H	11.39	5.46	-3.07	13.78	34.77
	711.0	23800	V	3.99	5.46	-3.18	6.27	34.77
			H	11.79	5.46	-3.18	14.07	34.77
BAND 17 BW: 10M QPSK RB: 1,49	709.0	23780	V	4.18	5.46	-2.94	6.7	34.77
			H	12.07	5.46	-2.94	14.59	34.77
	710.0	23790	V	5.83	5.46	-2.94	8.35	34.77
			H	11.32	5.46	-2.94	13.84	34.77
	711.0	23800	V	3.06	5.46	-3.06	5.46	34.77
			H	11.44	5.46	-3.06	13.84	34.77
BAND 17 BW: 10M 16QAM RB: 1,0	709.0	23780	V	3.63	5.46	-2.99	6.1	34.77
			H	11.23	5.46	-2.99	13.7	34.77
	710.0	23790	V	4.19	5.46	-3.08	6.57	34.77
			H	11.11	5.46	-3.08	13.49	34.77
	711.0	23800	V	3.87	5.46	-3.16	6.17	34.77
			H	11.6	5.46	-3.16	13.9	34.77
BAND 17 BW: 10M 16QAM RB: 1,49	709.0	23780	V	4.06	5.46	-2.9	6.62	34.77
			H	12.03	5.46	-2.9	14.59	34.77
	710.0	23790	V	6.03	5.46	-2.92	8.57	34.77
			H	11.18	5.46	-2.92	13.72	34.77
	711.0	23800	V	2.97	5.46	-3.11	5.32	34.77
			H	11.19	5.46	-3.11	13.54	34.77

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 1.4M QPSK RB: 1,0	824.7	26797	V	8.73	5.49	-3.3	10.92	38.50
			H	12.16	5.49	-3.3	14.35	38.50
	836.5	26915	V	8.06	5.47	-3.33	10.2	38.50
			H	11.45	5.47	-3.33	13.59	38.50
	848.3	27033	V	7.7	5.45	-3.08	10.07	38.50
			H	10.29	5.45	-3.08	12.66	38.50
BAND 26 BW: 1.4M QPSK RB: 1,5	824.7	26797	V	8.93	5.48	-3.25	11.16	38.50
			H	12.34	5.48	-3.25	14.57	38.50
	836.5	26915	V	8.09	5.47	-3.28	10.28	38.50
			H	11.41	5.47	-3.28	13.6	38.50
	848.3	27033	V	7.8	5.45	-3.1	10.15	38.50
			H	10.54	5.45	-3.1	12.89	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,0	824.7	26797	V	8.4	5.49	-3.39	10.5	38.50
			H	12.02	5.49	-3.39	14.12	38.50
	836.5	26915	V	7.8	5.47	-3.35	9.92	38.50
			H	11.33	5.47	-3.35	13.45	38.50
	848.3	27033	V	7.5	5.45	-3.19	9.76	38.50
			H	9.91	5.45	-3.19	12.17	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,5	824.7	26797	V	8.27	5.48	-3.25	10.5	38.50
			H	7.54	5.48	-3.25	9.77	38.50
	836.5	26915	V	7.41	5.45	-3.08	9.78	38.50
			H	10.04	5.45	-3.08	12.41	38.50
	848.3	27033	V	11.06	5.47	-3.24	13.29	38.50
			H	11.8	5.47	-3.24	14.03	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 3M QPSK RB: 1,0	825.5	26805	V	9.07	5.49	-3.35	11.21	38.50
			H	12.79	5.49	-3.35	14.93	38.50
	836.5	26915	V	8.83	5.47	-3.36	10.94	38.50
			H	12.41	5.47	-3.36	14.52	38.50
	847.5	27025	V	8.53	5.45	-3.35	10.63	38.50
			H	11.04	5.45	-3.35	13.14	38.50
BAND 26 BW: 3M QPSK RB: 1,14	825.5	26805	V	9.1	5.48	-3.22	11.36	38.50
			H	12.56	5.48	-3.22	14.82	38.50
	836.5	26915	V	8.47	5.47	-3.34	10.6	38.50
			H	11.61	5.47	-3.34	13.74	38.50
	847.5	27025	V	8.53	5.45	-3.1	10.88	38.50
			H	10.89	5.45	-3.1	13.24	38.50
BAND 26 BW: 3M 16QAM RB: 1,0	825.5	26805	V	8.57	5.49	-3.44	10.62	38.50
			H	12.28	5.49	-3.44	14.33	38.50
	836.5	26915	V	8.16	5.47	-3.37	10.26	38.50
			H	11.64	5.47	-3.37	13.74	38.50
	847.5	27025	V	8.03	5.45	-3.37	10.11	38.50
			H	10.61	5.45	-3.37	12.69	38.50
BAND 26 BW: 3M 16QAM RB: 1,14	825.5	26805	V	8.42	5.48	-3.2	10.7	38.50
			H	12.07	5.48	-3.2	14.35	38.50
	836.5	26915	V	7.99	5.47	-3.22	10.24	38.50
			H	11.22	5.47	-3.22	13.47	38.50
	847.5	27025	V	8.24	5.45	-3.11	10.58	38.50
			H	10.52	5.45	-3.11	12.86	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 5M QPSK RB: 1,0	826.5	26815	V	8.61	5.49	-3.38	10.72	38.50
			H	12.56	5.49	-3.38	14.67	38.50
	836.5	26915	V	7.84	5.47	-3.37	9.94	38.50
			H	11.82	5.47	-3.37	13.92	38.50
	846.5	27015	V	8.06	5.46	-3.44	10.08	38.50
			H	10.51	5.46	-3.44	12.53	38.50
BAND 26 BW: 5M QPSK RB: 1,24	826.5	26815	V	8.18	5.48	-3.17	10.49	38.50
			H	12.51	5.48	-3.17	14.82	38.50
	836.5	26915	V	8.35	5.47	-3.18	10.64	38.50
			H	11.35	5.47	-3.18	13.64	38.50
	846.5	27015	V	8.6	5.45	-3.13	10.92	38.50
			H	10.52	5.45	-3.13	12.84	38.50
BAND 26 BW: 5M 16QAM RB: 1,0	826.5	26815	V	8.11	5.49	-3.3	10.3	38.50
			H	12.13	5.49	-3.3	14.32	38.50
	836.5	26915	V	7.95	5.47	-3.38	10.04	38.50
			H	11.58	5.47	-3.38	13.67	38.50
	846.5	27015	V	7.59	5.46	-3.47	9.58	38.50
			H	10.48	5.46	-3.47	12.47	38.50
BAND 26 BW: 5M 16QAM RB: 1,24	826.5	26815	V	8.41	5.48	-3.16	10.73	38.50
			H	11.98	5.48	-3.16	14.3	38.50
	836.5	26915	V	7.48	5.47	-3.12	9.83	38.50
			H	11.07	5.47	-3.12	13.42	38.50
	846.5	27015	V	7.99	5.45	-3.12	10.32	38.50
			H	10.2	5.45	-3.12	12.53	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 10M QPSK RB: 1,0	829.0	26840	V	4.82	5.49	-3.45	6.86	38.50
			H	12.18	5.49	-3.45	14.22	38.50
	836.5	26915	V	3.3	5.48	-3.36	5.42	38.50
			H	12.1	5.48	-3.36	14.22	38.50
	844.0	26990	V	0.74	5.46	-3.15	3.05	38.50
			H	10.72	5.46	-3.15	13.03	38.50
BAND 26 BW: 10M QPSK RB: 1,49	829.0	26840	V	8.5	5.47	-3.44	10.53	38.50
			H	11.99	5.47	-3.44	14.02	38.50
	836.5	26915	V	7.88	5.46	-3.47	9.87	38.50
			H	10.21	5.46	-3.47	12.2	38.50
	844.0	26990	V	5.82	5.49	-3.35	7.96	38.50
			H	11.76	5.49	-3.35	13.9	38.50
BAND 26 BW: 10M 16QAM RB: 1,0	829.0	26840	V	5.82	5.48	-3.37	7.93	38.50
			H	11.76	5.45	-3.37	13.84	38.50
	836.5	26915	V	5.03	5.48	-3.34	7.17	38.50
			H	11.43	5.48	-3.34	13.57	38.50
	844.0	26990	V	4.29	5.46	-3.17	6.58	38.50
			H	10.24	5.46	-3.17	12.53	38.50
BAND 26 BW: 10M 16QAM RB: 1,49	829.0	26840	V	7.95	5.47	-3.51	9.91	38.50
			H	9.68	5.47	-3.51	11.64	38.50
	836.5	26915	V	7.05	5.46	-3.47	9.04	38.50
			H	8.78	5.46	-3.47	10.77	38.50
	844.0	26990	V	7.06	5.45	-3.07	9.44	38.50
			H	7.97	5.45	-3.07	10.35	38.50

Remark :

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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	9.19	5.49	-3.33	11.35	38.50
			H	12.15	5.49	-3.33	14.31	38.50
	836.5	26915	V	7.75	5.48	-3.24	9.99	38.50
			H	11.87	5.48	-3.24	14.11	38.50
	841.5	26965	V	6.5	5.47	-3.37	8.6	38.50
			H	11.55	5.47	-3.37	13.65	38.50
BAND 26 BW: 15M QPSK RB: 1,74	831.5	26865	V	5.68	5.47	-3.3	7.85	38.50
			H	10.89	5.47	-3.3	13.06	38.50
	836.5	26915	V	4.84	5.46	-3.44	6.86	38.50
			H	11.11	5.46	-3.44	13.13	38.50
	841.5	26965	V	6.6	5.45	-3.07	8.98	38.50
			H	10.53	5.45	-3.07	12.91	38.50
BAND 26 BW: 15M 16QAM RB: 1,0	831.5	26865	V	7.7	5.49	-3.39	9.8	38.50
			H	11.43	5.49	-3.39	13.53	38.50
	836.5	26915	V	7.25	5.48	-3.18	9.55	38.50
			H	11.39	5.48	-3.18	13.69	38.50
	841.5	26965	V	6.22	5.47	-3.39	8.3	38.50
			H	11.47	5.47	-3.39	13.55	38.50
BAND 26 BW: 15M 16QAM RB: 1,74	831.5	26865	V	5.77	5.47	-3.13	8.11	38.50
			H	10.49	5.47	-3.13	12.83	38.50
	836.5	26915	V	6.28	5.46	-3.44	8.3	38.50
			H	10.4	5.46	-3.44	12.42	38.50
	841.5	26965	V	6.16	5.45	-3.07	8.54	38.50
			H	10.1	5.45	-3.07	12.48	38.50

Remark :

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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 38 BW: 5M QPSK RB: 1,0	2572.5	37775	V	21.32	10.53	-5.98	25.87	33.01
			H	22.17	10.53	-5.98	26.72	33.01
	2595.0	38000	V	21.12	10.57	-6.01	25.68	33.01
			H	23.22	10.57	-6.01	27.78	33.01
	2617.5	38225	V	22.89	10.61	-6.02	27.48	33.01
			H	24.54	10.61	-6.02	29.13	33.01
BAND 38 BW: 5M QPSK RB: 1,24	2572.5	37775	V	21.77	10.53	-5.98	26.32	33.01
			H	22.82	10.53	-5.98	27.37	33.01
	2595.0	38000	V	22.24	10.57	-6.01	26.8	33.01
			H	23.45	10.57	-6.01	28.01	33.01
	2617.5	38225	V	23.32	10.62	-6.03	27.91	33.01
			H	24.9	10.62	-6.03	29.49	33.01
BAND 38 BW: 5M 16QAM RB: 1,0	2572.5	37775	V	20.76	10.53	-5.98	25.31	33.01
			H	21.88	10.53	-5.98	26.43	33.01
	2595.0	38000	V	22.27	10.57	-6	26.84	33.01
			H	22.93	10.57	-6	27.5	33.01
	2617.5	38225	V	22.28	10.6	-6.02	26.86	33.01
			H	24.14	10.6	-6.02	28.72	33.01
BAND 38 BW: 5M 16QAM RB: 1,24	2572.5	37775	V	21.12	10.53	-5.98	25.67	33.01
			H	22.51	10.53	-5.98	27.06	33.01
	2595.0	38000	V	21.7	10.58	-6.01	26.27	33.01
			H	23.27	10.58	-6.01	27.84	33.01
	2617.5	38225	V	22.47	10.62	-6.03	27.06	33.01
			H	24.6	10.62	-6.03	29.19	33.01

Remark :

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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 38 BW: 10M QPSK RB: 1,0	2575.0	37800	V	21.27	10.53	-5.98	25.82	33.01
			H	22.57	10.53	-5.98	27.12	33.01
	2595.0	38000	V	22.04	10.56	-6	26.6	33.01
			H	23.72	10.56	-6	28.28	33.01
	2615.0	38200	V	22.48	10.6	-6.02	27.06	33.01
			H	24.52	10.6	-6.02	29.1	33.01
BAND 38 BW: 10M QPSK RB: 1,49	2575.0	37800	V	21.6	10.54	-5.99	26.15	33.01
			H	23.48	10.54	-5.99	28.03	33.01
	2595.0	38000	V	20.24	10.58	-6.02	24.8	33.01
			H	23.66	10.58	-6.02	28.22	33.01
	2615.0	38200	V	22.6	10.62	-6.03	27.19	33.01
			H	24.96	10.62	-6.03	29.55	33.01
BAND 38 BW: 10M 16QAM RB: 1,0	2575.0	37800	V	20.93	10.53	-5.98	25.48	33.01
			H	22.41	10.53	-5.98	26.96	33.01
	2595.0	38000	V	21.73	10.56	-6	26.29	33.01
			H	23.32	10.56	-6	27.88	33.01
	2615.0	38200	V	22.2	10.6	-6.02	26.78	33.01
			H	24.07	10.6	-6.02	28.65	33.01
BAND 38 BW: 10M 16QAM RB: 1,49	2575.0	37800	V	21.41	10.54	-5.98	25.97	33.01
			H	23.21	10.54	-5.98	27.77	33.01
	2595.0	38000	V	20.67	10.58	-6.02	25.23	33.01
			H	23.53	10.58	-6.02	28.09	33.01
	2615.0	38200	V	22.52	10.61	-6.02	27.11	33.01
			H	24.7	10.61	-6.02	29.29	33.01

Remark :

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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 38 BW: 15M QPSK RB: 1,0	2577.5	37825	V	21.37	10.53	-5.98	25.92	33.01
			H	22.7	10.53	-5.98	27.25	33.01
	2595.0	38000	V	22.53	10.56	-6	27.09	33.01
			H	23.79	10.56	-6	28.35	33.01
	2612.5	38175	V	21.96	10.59	-6.01	26.54	33.01
			H	24.11	10.59	-6.01	28.69	33.01
BAND 38 BW: 15M QPSK RB: 1,74	2577.5	37825	V	22.03	10.55	-5.99	26.59	33.01
			H	20.42	10.55	-5.99	24.98	33.01
	2595.0	38000	V	22.03	10.58	-6.02	26.59	33.01
			H	20.29	10.58	-6.02	24.85	33.01
	2612.5	38175	V	22.8	10.61	-6.03	27.38	33.01
			H	21.02	10.61	-6.03	25.6	33.01
BAND 38 BW: 15M 16QAM RB: 1,0	2577.5	37825	V	20.98	10.53	-5.98	25.53	33.01
			H	19.02	10.53	-5.98	23.57	33.01
	2595.0	38000	V	22.19	10.56	-6	26.75	33.01
			H	20.31	10.56	-6	24.87	33.01
	2612.5	38175	V	21.86	10.59	-6.02	26.43	33.01
			H	19.9	10.59	-6.02	24.47	33.01
BAND 38 BW: 15M 16QAM RB: 1,74	2577.5	37825	V	21.47	10.55	-5.99	26.03	33.01
			H	23.1	10.55	-5.99	27.66	33.01
	2595.0	38000	V	21.88	10.58	-6.02	26.44	33.01
			H	23.21	10.58	-6.02	27.77	33.01
	2612.5	38175	V	22.85	10.61	-6.03	27.43	33.01
			H	24.56	10.61	-6.03	29.14	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 38 BW: 20M QPSK RB: 1,0	2580.0	37850	V	21.08	10.53	-5.98	25.63	33.01
			H	19.07	10.53	-5.98	23.62	33.01
	2595.0	38000	V	22.61	10.55	-6	27.16	33.01
			H	20.83	10.55	-6	25.38	33.01
	2610.0	38150	V	21.88	10.58	-6.02	26.44	33.01
			H	20.1	10.58	-6.02	24.66	33.01
BAND 38 BW: 20M QPSK RB: 1,99	2580.0	37850	V	21.83	10.56	-6	26.39	33.01
			H	20.23	10.56	-6	24.79	33.01
	2595.0	38000	V	21.8	10.59	-6	26.39	33.01
			H	19.39	10.59	-6	23.98	33.01
	2610.0	38150	V	22.81	10.61	-6.02	27.4	33.01
			H	20.94	10.61	-6.02	25.53	33.01
BAND 38 BW: 20M 16QAM RB: 1,0	2580.0	37850	V	21.13	10.53	-5.98	25.68	33.01
			H	18.71	10.53	-5.98	23.26	33.01
	2595.0	38000	V	22.03	10.56	-6	26.59	33.01
			H	19.82	10.56	-6	24.38	33.01
	2610.0	38150	V	21.66	10.58	-6.01	26.23	33.01
			H	19.88	10.58	-6.01	24.45	33.01
BAND 38 BW: 20M 16QAM RB: 1,99	2580.0	37850	V	21.49	10.56	-6	26.05	33.01
			H	23.1	10.56	-6	27.66	33.01
	2595.0	38000	V	21.57	10.59	-6.01	26.15	33.01
			H	23.4	10.59	-6.01	27.98	33.01
	2610.0	38150	V	22.46	10.62	-6.03	27.05	33.01
			H	24.57	10.62	-6.03	29.16	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 41 BW: 5M QPSK RB: 1,0	2547.5	40165	V	18.85	10.48	-5.9	23.43	33.01
			H	20.26	10.48	-5.9	24.84	33.01
	2600.0	40690	V	20.74	10.58	-6.02	25.3	33.01
			H	23.4	10.58	-6.02	27.96	33.01
	2652.5	41215	V	22.19	10.67	-6.09	26.77	33.01
			H	25.33	10.67	-6.09	29.91	33.01
BAND 41 BW: 5M QPSK RB: 1,24	2547.5	40165	V	18.3	10.49	-5.92	22.87	33.01
			H	19.14	10.49	-5.92	23.71	33.01
	2600.0	40690	V	20.2	10.58	-6.02	24.76	33.01
			H	22.8	10.58	-6.02	27.36	33.01
	2652.5	41215	V	22.79	10.68	-6.09	27.38	33.01
			H	24.46	10.68	-6.09	29.05	33.01
BAND 41 BW: 5M 16QAM RB: 1,0	2547.5	40165	V	18.68	10.48	-5.91	23.25	33.01
			H	19.16	10.48	-5.91	23.73	33.01
	2600.0	40690	V	20.16	10.58	-6.01	24.73	33.01
			H	22.05	10.58	-6.01	26.62	33.01
	2652.5	41215	V	21.9	10.67	-6.09	26.48	33.01
			H	24.84	10.67	-6.09	29.42	33.01
BAND 41 BW: 5M 16QAM RB: 1,24	2547.5	40165	V	18.09	10.49	-5.92	22.66	33.01
			H	19.76	10.49	-5.92	24.33	33.01
	2600.0	40690	V	19.91	10.59	-6.02	24.48	33.01
			H	23.15	10.59	-6.02	27.72	33.01
	2652.5	41215	V	22.84	10.68	-6.09	27.43	33.01
			H	24.63	10.68	-6.09	29.22	33.01

Remark :

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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	18.18	10.48	-5.91	22.75	33.01
			H	19.79	10.48	-5.91	24.36	33.01
	2600.0	40690	V	21.59	10.57	-6.01	26.15	33.01
			H	23.13	10.57	-6.01	27.69	33.01
	2650.0	41190	V	23.5	10.66	-6.08	28.08	33.01
			H	25.3	10.66	-6.08	29.88	33.01
BAND 41 BW: 10M QPSK RB: 1,49	2550.0	40190	V	18.59	10.5	-5.94	23.15	33.01
			H	20.36	10.5	-5.94	24.92	33.01
	2600.0	40690	V	20.78	10.59	-6.02	25.35	33.01
			H	23.65	10.59	-6.02	28.22	33.01
	2650.0	41190	V	22.12	10.68	-6.09	26.71	33.01
			H	24.97	10.68	-6.09	29.56	33.01
BAND 41 BW: 10M 16QAM RB: 1,0	2550.0	40190	V	17.93	10.48	-5.91	22.5	33.01
			H	19.74	10.48	-5.91	24.31	33.01
	2600.0	40690	V	21.43	10.57	-6.01	25.99	33.01
			H	22.76	10.57	-6.01	27.32	33.01
	2650.0	41190	V	23.53	10.66	-6.08	28.11	33.01
			H	25.13	10.66	-6.08	29.71	33.01
BAND 41 BW: 10M 16QAM RB: 1,49	2550.0	40190	V	18.34	10.5	-5.94	22.9	33.01
			H	20.34	10.5	-5.94	24.9	33.01
	2600.0	40690	V	20.49	10.59	-6.02	25.06	33.01
			H	23.52	10.59	-6.02	28.09	33.01
	2650.0	41190	V	22.49	10.68	-6.09	27.08	33.01
			H	24.77	10.68	-6.09	29.36	33.01

Remark :

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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	17.89	10.48	-5.91	22.46	33.01
			H	20.51	10.48	-5.91	25.08	33.01
	2600.0	40690	V	21.67	10.57	-6.01	26.23	33.01
			H	23.79	10.57	-6.01	28.35	33.01
	2647.5	41165	V	24.05	10.65	-6.07	28.63	33.01
			H	26.08	10.65	-6.07	30.66	33.01
BAND 41 BW: 15M QPSK RB: 1,74	2552.5	40215	V	18.74	10.51	-5.96	23.29	33.01
			H	21.27	10.51	-5.96	25.82	33.01
	2600.0	40690	V	21.08	10.59	-6.02	25.65	33.01
			H	24.15	10.59	-6.02	28.72	33.01
	2647.5	41165	V	22.82	10.68	-6.09	27.41	33.01
			H	25.1	10.68	-6.09	29.69	33.01
BAND 41 BW: 15M 16QAM RB: 1,0	2552.5	40215	V	17.67	10.48	-5.91	22.24	33.01
			H	19.87	10.48	-5.91	24.44	33.01
	2600.0	40690	V	21.41	10.57	-6.01	25.97	33.01
			H	23.2	10.57	-6.01	27.76	33.01
	2647.5	41165	V	23.84	10.65	-6.07	28.42	33.01
			H	25.49	10.65	-6.07	30.07	33.01
BAND 41 BW: 15M 16QAM RB: 1,74	2552.5	40215	V	18.42	10.59	-6.02	22.99	33.01
			H	23.09	10.59	-6.02	27.66	33.01
	2600.0	40690	V	20.83	10.5	-5.95	25.38	33.01
			H	20.16	10.5	-5.95	24.71	33.01
	2647.5	41165	V	22.72	10.67	-6.09	27.3	33.01
			H	24.87	10.67	-6.09	29.45	33.01

Remark :

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	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 41 BW: 20M QPSK RB: 1,0	2555.0	40240	V	19.47	10.48	-5.91	24.04	33.01
			H	20.22	10.48	-5.91	24.79	33.01
	2600.0	40690	V	22.34	10.56	-6.01	26.89	33.01
			H	23.74	10.56	-6.01	28.29	33.01
	2645.0	41140	V	23.61	10.65	-6.06	28.2	33.01
			H	25.79	10.65	-6.06	30.38	33.01
BAND 41 BW: 20M QPSK RB: 1,99	2555.0	40240	V	19.46	10.52	-5.97	24.01	33.01
			H	21.84	10.52	-5.97	26.39	33.01
	2600.0	40690	V	21.45	10.6	-6.02	26.03	33.01
			H	24.08	10.6	-6.02	28.66	33.01
	2645.0	41140	V	22.57	10.68	-6.09	27.16	33.01
			H	25.13	10.68	-6.09	29.72	33.01
BAND 41 BW: 20M 16QAM RB: 1,0	2555.0	40240	V	18.94	10.48	-5.91	23.51	33.01
			H	19.81	10.48	-5.91	24.38	33.01
	2600.0	40690	V	22.03	10.56	-6.01	26.58	33.01
			H	23.09	10.56	-6.01	27.64	33.01
	2645.0	41140	V	23.13	10.65	-6.06	27.72	33.01
			H	25.14	10.65	-6.06	29.73	33.01
BAND 41 BW: 20M 16QAM RB: 1,99	2555.0	40240	V	19.2	10.52	-5.97	23.75	33.01
			H	21.46	10.52	-5.97	26.01	33.01
	2600.0	40690	V	21.04	10.6	-6.02	25.62	33.01
			H	23.69	10.6	-6.02	28.27	33.01
	2645.0	41140	V	22.63	10.68	-6.09	27.22	33.01
			H	24.71	10.68	-6.09	29.3	33.01

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LTE Band 26 for Part 90S

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	814.7	26697	V	7.78	5.5	-3.36	9.92	50.00
			H	13.88	5.5	-3.36	16.02	50.00
	819.0	26740	V	7.9	5.49	-3.25	10.14	50.00
			H	13.46	5.49	-3.25	15.7	50.00
	823.3	26783	V	8.13	5.49	-3.53	10.09	50.00
			H	13.47	5.49	-3.53	15.43	50.00
BAND 26 BW: 1.4M QPSK RB: 1,5	814.7	26697	V	7.9	5.5	-3.26	10.14	50.00
			H	13.71	5.5	-3.26	15.95	50.00
	819.0	26740	V	8.14	5.49	-3.25	10.38	50.00
			H	13.53	5.49	-3.25	15.77	50.00
	823.3	26783	V	8.13	5.49	-3.49	10.13	50.00
			H	13.21	5.49	-3.49	15.21	50.00
BAND 26 BW: 1.4M 16QAM RB: 1,0	814.7	26697	V	7.23	5.5	-3.48	9.25	50.00
			H	13.66	5.5	-3.48	15.68	50.00
	819.0	26740	V	7.48	5.49	-3.25	9.72	50.00
			H	13.19	5.49	-3.25	15.43	50.00
	823.3	26783	V	7.58	5.49	-3.54	9.53	50.00
			H	12.92	5.49	-3.54	14.87	50.00
BAND 26 BW: 1.4M 16QAM RB: 1,5	814.7	26697	V	7.28	5.5	-3.36	9.42	50.00
			H	12.97	5.5	-3.36	15.11	50.00
	819.0	26740	V	7.57	5.49	-3.26	9.8	50.00
			H	12.73	5.45	-3.26	14.92	50.00
	823.3	26783	V	7.64	5.49	-3.4	9.73	50.00
			H	12.81	5.49	-3.4	14.9	50.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 3M QPSK RB: 1,0	815.5	26705	V	8.7	5.5	-3.47	10.73	50.00
			H	13.87	5.5	-3.47	15.9	50.00
	819.0	26740	V	8.74	5.5	-3.23	11.01	50.00
			H	13.32	5.5	-3.23	15.59	50.00
	822.5	26775	V	9.03	5.49	-3.48	11.04	50.00
			H	13.52	5.49	-3.48	15.53	50.00
BAND 26 BW: 3M QPSK RB: 1,14	815.5	26705	V	8.04	5.5	-3.19	10.35	50.00
			H	13.42	5.5	-3.19	15.73	50.00
	819.0	26740	V	8.32	5.5	-3.3	10.52	50.00
			H	13.25	5.5	-3.3	15.45	50.00
	822.5	26775	V	8.56	5.49	-3.4	10.65	50.00
			H	12.96	5.49	-3.4	15.05	50.00
BAND 26 BW: 3M 16QAM RB: 1,0	815.5	26705	V	8.29	5.5	-3.44	10.35	50.00
			H	13.35	5.5	-3.44	15.41	50.00
	819.0	26740	V	7.49	5.5	-3.23	9.76	50.00
			H	12.71	5.5	-3.23	14.98	50.00
	822.5	26775	V	7.88	5.49	-3.41	9.96	50.00
			H	12.87	5.49	-3.41	14.95	50.00
BAND 26 BW: 3M 16QAM RB: 1,14	815.5	26705	V	7.58	5.5	-3.2	9.88	50.00
			H	13	5.5	-3.2	15.3	50.00
	819.0	26740	V	7.78	5.49	-3.28	9.99	50.00
			H	12.75	5.49	-3.28	14.96	50.00
	822.5	26775	V	7.8	5.49	-3.49	9.8	50.00
			H	12.66	5.49	-3.49	14.66	50.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 5M QPSK RB: 1,0	816.5	26715	V	8.42	5.5	-3.39	10.53	50.00
			H	13.72	5.5	-3.39	15.83	50.00
	819.0	26740	V	8.49	5.5	-3.21	10.78	50.00
			H	13.29	5.5	-3.21	15.58	50.00
	821.5	26765	V	8.72	5.49	-3.25	10.96	50.00
			H	13.18	5.49	-3.25	15.42	50.00
BAND 26 BW: 5M QPSK RB: 1,24	816.5	26715	V	8.62	5.49	-3.25	10.86	50.00
			H	13.37	5.49	-3.25	15.61	50.00
	819.0	26740	V	8.74	5.49	-3.44	10.79	50.00
			H	13.31	5.49	-3.44	15.36	50.00
	821.5	26765	V	8.9	5.49	-3.45	10.94	50.00
			H	13.2	5.49	-3.45	15.24	50.00
BAND 26 BW: 5M 16QAM RB: 1,0	816.5	26715	V	7.97	5.5	-3.49	9.98	50.00
			H	13.43	5.5	-3.49	15.44	50.00
	819.0	26740	V	8.07	5.5	-3.21	10.36	50.00
			H	12.96	5.5	-3.21	15.25	50.00
	821.5	26765	V	8.22	5.49	-3.25	10.46	50.00
			H	12.81	5.49	-3.25	15.05	50.00
BAND 26 BW: 5M 16QAM RB: 1,24	816.5	26715	V	8.08	5.5	-3.25	10.33	50.00
			H	12.89	5.5	-3.25	15.14	50.00
	819.0	26740	V	8.33	5.49	-3.4	10.42	50.00
			H	12.85	5.49	-3.4	14.94	50.00
	821.5	26765	V	8.14	5.49	-3.5	10.13	50.00
			H	12.65	5.49	-3.5	14.64	50.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 10M QPSK RB: 1,0	819.0	26740	V	8.49	5.5	-3.3	10.69	50.00
			H	15.03	5.5	-3.3	17.23	50.00
BAND 26 BW: 10M QPSK RB: 1,49	819.0	26740	V	8.66	5.49	-3.52	10.63	50.00
			H	13.2	5.49	-3.52	15.17	50.00
BAND 26 BW: 10M 16QAM RB: 1,0	819.0	26740	V	8.23	5.5	-3.43	10.3	50.00
			H	13.27	5.5	-3.43	15.34	50.00
BAND 26 BW: 10M 16QAM RB: 1,49	819.0	26740	V	8.15	5.49	-3.49	10.15	50.00
			H	12.61	5.49	-3.49	14.61	50.00

Remark :

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

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7.6. Measurement Result: (Average) –using option of average 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	11.96	7.63	-3.37	16.22	40.60
			H	17.38	7.63	-3.37	21.64	40.60
	836.6	190	V	10.12	7.61	-3.29	14.44	40.60
			H	15.86	7.61	-3.29	20.18	40.60
	848.8	251	V	8.21	7.6	-3.09	12.72	40.60
			H	13.67	7.6	-3.09	18.18	40.60

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
GPRS 850	824.2	128	V	11.52	7.63	-3.37	15.78	40.60
			H	17.23	7.63	-3.37	21.49	40.60
	836.6	190	V	9.23	7.61	-3.29	13.55	40.60
			H	15.41	7.61	-3.29	19.73	40.60
	848.8	251	V	7.33	7.6	-3.09	11.84	40.60
			H	13.84	7.6	-3.09	18.35	40.60

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
EDGE 850	824.2	128	V	3.2	7.63	-3.36	7.47	40.60
			H	10.73	7.63	-3.36	15	40.60
	836.6	190	V	4.79	7.61	-3.29	9.11	40.60
			H	11.13	7.61	-3.29	15.45	40.60
	848.8	251	V	4.87	7.6	-3.1	9.37	40.60
			H	11.78	7.6	-3.1	16.28	40.60

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
GSM 1900	1850.2	512	V	16.25	9.59	-5.05	20.79	33.01
			H	21.68	9.59	-5.05	26.22	33.01
	1880.0	661	V	18	9.7	-5.15	22.55	33.01
			H	22.67	9.7	-5.15	27.22	33.01
	1909.8	810	V	16.43	9.79	-5.13	21.09	33.01
			H	21.8	9.79	-5.13	26.46	33.01

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
GPRS 1900	1850.2	512	V	3.59	9.59	-5.05	8.13	33.01
			H	10.78	9.59	-5.05	15.32	33.01
	1880.0	661	V	4.59	9.69	-5.15	9.13	33.01
			H	10.74	9.69	-5.15	15.28	33.01
	1909.8	810	V	5.29	9.79	-5.13	9.95	33.01
			H	12.91	9.79	-5.13	17.57	33.01

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
EDGE 1900	1850.2	512	V	12.17	9.6	-5.05	16.72	33.01
			H	21.22	9.6	-5.05	25.77	33.01
	1880.0	661	V	14.15	9.69	-5.15	18.69	33.01
			H	19.47	9.69	-5.15	24.01	33.01
	1909.8	810	V	14.15	9.79	-5.13	18.81	33.01
			H	20.39	9.79	-5.13	25.05	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW=300K, VBW=1MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
WCDMA B2	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	18.49	9.6	-5.05	23.04	33.01
			H	20.07	9.6	-5.05	24.62	33.01
	1880.0	9400	V	12.12	9.69	-5.16	16.65	33.01
			H	19.45	9.69	-5.16	23.98	33.01
	1907.6	9538	V	11.14	9.79	-5.12	15.81	33.01
			H	19.56	9.79	-5.12	24.23	33.01

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
HSDPA B2	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	16.99	9.6	-5.05	21.54	33.01
			H	18.89	9.6	-5.05	23.44	33.01
	1880.0	9400	V	12.37	9.69	-5.15	16.91	33.01
			H	19.41	9.69	-5.15	23.95	33.01
	1907.6	9538	V	12.68	9.79	-5.12	17.35	33.01
			H	18.65	9.79	-5.12	23.32	33.01

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
HSUPA B2	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	13.57	9.6	-5.05	18.12	33.01
			H	18.23	9.6	-5.05	22.78	33.01
	1880.0	9400	V	13.77	9.69	-5.15	18.31	33.01
			H	18.2	9.69	-5.15	22.74	33.01
	1907.6	9538	V	11.77	9.78	-5.12	16.43	33.01
			H	18.16	9.78	-5.12	22.82	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
WCDMA B4	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1712.4	1312	V	2.78	9.12	-4.82	7.08	30.00
			H	7.54	9.12	-4.82	11.84	30.00
	1732.6	1413	V	5.99	9.19	-4.85	10.33	30.00
			H	9.86	9.19	-4.85	14.2	30.00
	1752.6	1513	V	4.44	9.25	-4.9	8.79	30.00
			H	11.27	9.25	-4.9	15.62	30.00

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
HSDPA B4	1712.4	1312	V	3.03	9.12	-4.82	7.33	30.00
			H	8.44	9.12	-4.82	12.74	30.00
	1732.6	1413	V	5.96	9.19	-4.85	10.3	30.00
			H	10.62	9.19	-4.85	14.96	30.00
	1752.6	1513	V	4.28	9.25	-4.9	8.63	30.00
			H	10.6	9.25	-4.9	14.95	30.00

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
HSUPA B4	1712.4	1312	V	2.35	9.12	-4.82	6.65	30.00
			H	7.5	9.12	-4.82	11.8	30.00
	1732.6	1413	V	5.67	9.19	-4.85	10.01	30.00
			H	10.29	9.19	-4.85	14.63	30.00
	1752.6	1513	V	5.34	9.26	-4.9	9.7	30.00
			H	11.24	9.25	-4.9	15.59	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
WCDMA B5	826.4	4132	V	5.61	5.48	-3.21	7.88	40.60
			H	10.86	5.48	-3.21	13.13	40.60
	836.6	4183	V	3.38	5.47	-3.3	5.55	40.60
			H	8.43	5.47	-3.3	10.6	40.60
	846.6	4233	V	2.78	5.45	-3.31	4.92	40.60
			H	8.5	5.45	-3.31	10.64	40.60

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
HSDPA B5	826.4	4132	V	6.43	5.48	-3.21	8.7	40.60
			H	10.16	5.48	-3.21	12.43	40.60
	836.6	4183	V	3.83	5.47	-3.32	5.98	40.60
			H	9.2	5.47	-3.32	11.35	40.60
	846.6	4233	V	3.53	5.45	-3.27	5.71	40.60
			H	9.99	5.45	-3.27	12.17	40.60

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
HSUPA B5	826.4	4132	V	5.8	5.48	-3.2	8.08	40.60
			H	8.84	5.48	-3.2	11.12	40.60
	836.6	4183	V	4.02	5.47	-3.31	6.18	40.60
			H	7.9	5.47	-3.31	10.06	40.60
	846.6	4233	V	3.31	5.45	-3.23	5.53	40.60
			H	9.93	5.45	-3.23	12.15	40.60

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 1.4M QPSK RB: 1,0	1850.7	18607	V	13.36	9.59	-5.05	17.9	33.01
			H	21.92	9.59	-5.05	26.46	33.01
	1880.0	18900	V	11.57	9.69	-5.15	16.11	33.01
			H	18.9	9.69	-5.15	23.44	33.01
	1909.3	19193	V	12.89	9.79	-5.13	17.55	33.01
			H	18.42	9.79	-5.13	23.08	33.01
BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	13.11	9.6	-5.05	17.66	33.01
			H	21.72	9.6	-5.05	26.27	33.01
	1880.0	18900	V	12.28	9.7	-5.16	16.82	33.01
			H	19.17	9.7	-5.16	23.71	33.01
	1909.3	19193	V	11.59	9.79	-5.13	16.25	33.01
			H	17.68	9.79	-5.13	22.34	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	13.16	9.59	-5.05	17.7	33.01
			H	21.02	9.59	-5.05	25.56	33.01
	1880.0	18900	V	11.24	9.69	-5.16	15.77	33.01
			H	19.52	9.69	-5.16	24.05	33.01
	1909.3	19193	V	13.18	9.79	-5.13	17.84	33.01
			H	18.49	9.79	-5.13	23.15	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	13.3	9.6	-5.05	17.85	33.01
			H	20.72	9.6	-5.05	25.27	33.01
	1880.0	18900	V	12.05	9.7	-5.16	16.59	33.01
			H	19.53	9.7	-5.16	24.07	33.01
	1909.3	19193	V	11.98	9.79	-5.13	16.64	33.01
			H	18.14	9.79	-5.13	22.8	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 3M QPSK RB: 1,0	1851.5	18615	V	13.66	9.59	-5.05	18.2	33.01
			H	21.58	9.59	-5.05	26.12	33.01
	1880.0	18900	V	11.39	9.69	-5.15	15.93	33.01
			H	18.82	9.69	-5.15	23.36	33.01
	1908.5	19185	V	12.94	9.79	-5.12	17.61	33.01
			H	19.61	9.79	-5.12	24.28	33.01
BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	13.23	9.6	-5.05	17.78	33.01
			H	21.78	9.6	-5.05	26.33	33.01
	1880.0	18900	V	12.23	9.7	-5.17	16.76	33.01
			H	19.82	9.7	-5.17	24.35	33.01
	1908.5	19185	V	12.67	9.8	-5.13	17.34	33.01
			H	17.4	9.8	-5.13	22.07	33.01
BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	13.55	9.59	-5.05	18.09	33.01
			H	20.95	9.59	-5.05	25.49	33.01
	1880.0	18900	V	11.41	9.69	-5.15	15.95	33.01
			H	18.82	9.69	-5.15	23.36	33.01
	1908.5	19185	V	13.91	9.79	-5.12	18.58	33.01
			H	19.97	9.79	-5.12	24.64	33.01
BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	14.03	9.6	-5.05	18.58	33.01
			H	21.44	9.6	-5.05	25.99	33.01
	1880.0	18900	V	12.08	9.7	-5.16	16.62	33.01
			H	19.34	9.7	-5.16	23.88	33.01
	1908.5	19185	V	12.03	9.8	-5.13	16.7	33.01
			H	17.54	9.8	-5.13	22.21	33.01

Remark :

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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 2 BW: 5M QPSK RB: 1,0	1852.5	18625	V	7.29	9.59	-5.05	11.83	33.01
			H	14.42	9.59	-5.05	18.96	33.01
	1880.0	18900	V	8.99	9.69	-5.14	13.54	33.01
			H	13.09	9.69	-5.14	17.64	33.01
	1907.5	19175	V	10.5	9.78	-5.12	15.16	33.01
			H	12.67	9.78	-5.12	17.33	33.01
BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	7.3	9.61	-5.53	11.38	33.01
			H	13.5	9.61	-5.53	17.58	33.01
	1880.0	18900	V	9.95	9.7	-5.17	14.48	33.01
			H	13.57	9.7	-5.17	18.1	33.01
	1907.5	19175	V	9.91	9.79	-5.13	14.57	33.01
			H	11.23	9.79	-5.13	15.89	33.01
BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	7	9.59	-5.05	11.54	33.01
			H	13.45	9.59	-5.05	17.99	33.01
	1880.0	18900	V	8.53	9.69	-5.15	13.07	33.01
			H	12.82	9.69	-5.15	17.36	33.01
	1907.5	19175	V	10.33	9.78	-5.12	14.99	33.01
			H	12.74	9.78	-5.12	17.4	33.01
BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	7.24	9.6	-5.05	11.79	33.01
			H	13.84	9.6	-5.05	18.39	33.01
	1880.0	18900	V	8.97	9.7	-5.17	13.5	33.01
			H	13.85	9.7	-5.17	18.38	33.01
	1907.5	19175	V	9.65	9.8	-5.13	14.32	33.01
			H	11.86	9.8	-5.13	16.53	33.01

Remark :

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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	13.46	9.59	-5.05	18	33.01
			H	21.72	9.59	-5.05	26.26	33.01
	1880.0	18900	V	11.32	9.68	-5.13	15.87	33.01
			H	18.8	9.68	-5.13	23.35	33.01
	1905.0	19150	V	12.53	9.76	-5.11	17.18	33.01
			H	19.15	9.76	-5.11	23.8	33.01
BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	12.48	9.62	-5.06	17.04	33.01
			H	19.99	9.62	-5.06	24.55	33.01
	1880.0	18900	V	12.77	9.71	-5.17	17.31	33.01
			H	20.33	9.71	-5.17	24.87	33.01
	1905.0	19150	V	11.84	9.79	-5.13	16.5	33.01
			H	17.98	9.79	-5.13	22.64	33.01
BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	13	9.59	-5.05	17.54	33.01
			H	22	9.59	-5.05	26.54	33.01
	1880.0	18900	V	11.76	9.68	-5.13	16.31	33.01
			H	18.64	9.68	-5.13	23.19	33.01
	1905.0	19150	V	12.65	9.76	-5.11	17.3	33.01
			H	18.52	9.76	-5.11	23.17	33.01
BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	12.26	9.62	-5.06	16.82	33.01
			H	20.08	9.62	-5.06	24.64	33.01
	1880.0	18900	V	13.23	9.71	-5.17	17.77	33.01
			H	20.45	9.71	-5.17	24.99	33.01
	1905.0	19150	V	13.5	9.79	-5.13	18.16	33.01
			H	18.19	9.79	-5.13	22.85	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 15M QPSK RB: 1,0	1857.5	18675	V	12.41	9.6	-5.05	16.96	33.01
			H	20.28	9.6	-5.05	24.83	33.01
	1880.0	18900	V	12.15	9.67	-5.11	16.71	33.01
			H	18.13	9.67	-5.11	22.69	33.01
	1902.5	19125	V	13.86	9.75	-5.13	18.48	33.01
			H	18.02	9.75	-5.13	22.64	33.01
BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	13.49	9.64	-5.07	18.06	33.01
			H	18.68	9.64	-5.07	23.25	33.01
	1880.0	18900	V	14.63	9.72	-5.17	19.18	33.01
			H	19.72	9.72	-5.17	24.27	33.01
	1902.5	19125	V	13.86	9.79	-5.13	18.52	33.01
			H	17.3	9.79	-5.13	21.96	33.01
BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	13.96	9.59	-5.05	18.5	33.01
			H	20.38	9.59	-5.05	24.92	33.01
	1880.0	18900	V	13.04	9.67	-5.12	17.59	33.01
			H	17.71	9.67	-5.12	22.26	33.01
	1902.5	19125	V	13.75	9.75	-5.13	18.37	33.01
			H	17.29	9.75	-5.13	21.91	33.01
BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	13.59	9.64	-5.07	18.16	33.01
			H	18.83	9.64	-5.07	23.4	33.01
	1880.0	18900	V	13.53	9.71	-5.17	18.07	33.01
			H	18.71	9.71	-5.17	23.25	33.01
	1902.5	19125	V	14.15	9.79	-5.13	18.81	33.01
			H	17.14	9.79	-5.13	21.8	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 20M QPSK RB: 1,0	1860.0	18700	V	12.64	9.6	-5.05	17.19	33.01
			H	20.05	9.6	-5.05	24.6	33.01
	1880.0	18900	V	14.49	9.66	-5.1	19.05	33.01
			H	18.14	9.66	-5.1	22.7	33.01
	1900.0	19100	V	12.63	9.7	-5.15	17.18	33.01
			H	18.55	9.7	-5.15	23.1	33.01
BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	11.1	9.66	-5.09	15.67	33.01
			H	17.22	9.66	-5.09	21.79	33.01
	1880.0	18900	V	19.17	9.72	-5.16	23.73	33.01
			H	12.46	9.72	-5.16	17.02	33.01
	1900.0	19100	V	12.38	9.79	-5.13	17.04	33.01
			H	17.66	9.79	-5.13	22.32	33.01
BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	11.48	9.59	-5.05	16.02	33.01
			H	19.81	9.59	-5.05	24.35	33.01
	1880.0	18900	V	16.86	9.66	-5.1	21.42	33.01
			H	10.52	9.66	-5.1	15.08	33.01
	1900.0	19100	V	12.36	9.73	-5.15	16.94	33.01
			H	18.52	9.73	-5.15	23.1	33.01
BAND 2 BW: 20M 16QAM RB: 1,99	1860.0	18700	V	10.62	9.66	-5.09	15.19	33.01
			H	17.39	9.66	-5.09	21.96	33.01
	1880.0	18900	V	12.4	9.72	-5.16	16.96	33.01
			H	18.96	9.72	-5.16	23.52	33.01
	1900.0	19100	V	12.29	9.79	-5.13	16.95	33.01
			H	17.75	9.79	-5.13	22.41	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 1.4M/ QPSK RB: 1,0	1710.7	19957	V	10.82	9.11	-4.82	15.11	30.00
			H	13.6	9.11	-4.82	17.89	30.00
	1732.5	20175	V	12.19	9.19	-4.85	16.53	30.00
			H	15.57	9.19	-4.85	19.91	30.00
	1754.3	20393	V	10.4	9.26	-4.91	14.75	30.00
			H	14.39	9.26	-4.91	18.74	30.00
BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	10.07	9.12	-4.82	14.37	30.00
			H	13.06	9.12	-4.82	17.36	30.00
	1732.5	20175	V	10.48	9.19	-4.86	14.81	30.00
			H	14.23	9.19	-4.86	18.56	30.00
	1754.3	20393	V	10.44	9.27	-4.91	14.8	30.00
			H	13.47	9.27	-4.91	17.83	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	9.74	9.11	-4.82	14.03	30.00
			H	13.49	9.11	-4.82	17.78	30.00
	1732.5	20175	V	10.85	9.19	-4.85	15.19	30.00
			H	15.81	9.19	-4.85	20.15	30.00
	1754.3	20393	V	10.86	9.26	-4.91	15.21	30.00
			H	14.47	9.26	-4.91	18.82	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	10.34	9.12	-4.82	14.64	30.00
			H	13.17	9.12	-4.82	17.47	30.00
	1732.5	20175	V	11.05	9.2	-4.86	15.39	30.00
			H	15.02	9.2	-4.86	19.36	30.00
	1754.3	20393	V	10.82	9.68	-4.91	15.59	30.00
			H	13.8	9.68	-4.91	18.57	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 3M QPSK RB: 1,0	1711.5	19965	V	9.83	9.11	-4.82	14.12	30.00
			H	13.83	9.11	-4.82	18.12	30.00
	1732.5	20175	V	11.63	9.19	-4.85	15.97	30.00
			H	15.2	9.19	-4.85	19.54	30.00
	1753.5	20385	V	11.08	9.25	-4.91	15.42	30.00
			H	14.61	9.25	-4.91	18.95	30.00
BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	9.31	9.12	-4.82	13.61	30.00
			H	13.56	9.12	-4.82	17.86	30.00
	1732.5	20175	V	11.26	9.19	-4.86	15.59	30.00
			H	15.93	9.19	-4.86	20.26	30.00
	1753.5	20385	V	10.5	9.27	-4.91	14.86	30.00
			H	13.44	9.27	-4.91	17.8	30.00
BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	9.38	9.12	-4.82	13.68	30.00
			H	13.04	9.12	-4.82	17.34	30.00
	1732.5	20175	V	10.29	9.19	-4.85	14.63	30.00
			H	15.42	9.19	-4.85	19.76	30.00
	1753.5	20385	V	11.08	9.26	-4.9	15.44	30.00
			H	14.88	9.26	-4.9	19.24	30.00
BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	10.9	9.12	-4.82	15.2	30.00
			H	13.93	9.12	-4.82	18.23	30.00
	1732.5	20175	V	11.38	9.19	-4.86	15.71	30.00
			H	15.4	9.19	-4.86	19.73	30.00
	1753.5	20385	V	10.51	9.27	-4.91	14.87	30.00
			H	14.85	9.27	-4.91	19.21	30.00

Remark :

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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	9.57	9.12	-4.82	13.87	30.00
			H	13.34	9.12	-4.82	17.64	30.00
	1732.5	20175	V	11.86	9.18	-4.85	16.19	30.00
			H	15.43	9.18	-4.85	19.76	30.00
	1752.5	20375	V	10.06	9.25	-4.91	14.4	30.00
			H	14.7	9.25	-4.91	19.04	30.00
BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	10.79	9.13	-4.83	15.09	30.00
			H	13.56	9.13	-4.83	17.86	30.00
	1732.5	20175	V	11.49	9.2	-4.86	15.83	30.00
			H	15.22	9.2	-4.86	19.56	30.00
	1752.5	20375	V	9.38	9.27	-4.91	13.74	30.00
			H	13.59	9.27	-4.91	17.95	30.00
BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	10.5	9.12	-4.82	14.8	30.00
			H	14.51	9.12	-4.82	18.81	30.00
	1732.5	20175	V	11.87	9.18	-4.85	16.2	30.00
			H	15.25	9.18	-4.85	19.58	30.00
	1752.5	20375	V	9.48	9.25	-4.91	13.82	30.00
			H	13.85	9.25	-4.91	18.19	30.00
BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	10.1	9.13	-4.83	14.4	30.00
			H	13.29	9.13	-4.83	17.59	30.00
	1732.5	20175	V	10.8	9.2	-4.86	15.14	30.00
			H	15.03	9.2	-4.86	19.37	30.00
	1752.5	20375	V	10.93	9.27	-4.91	15.29	30.00
			H	14.86	9.27	-4.91	19.22	30.00

Remark :

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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	10.61	9.12	-4.82	14.91	30.00
			H	14.66	9.12	-4.82	18.96	30.00
	1732.5	20175	V	10.99	9.18	-4.84	15.33	30.00
			H	15.47	9.18	-4.84	19.81	30.00
	1750.0	20350	V	10.71	9.24	-4.9	15.05	30.00
			H	15.05	9.24	-4.9	19.39	30.00
BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	9.53	9.15	-4.83	13.85	30.00
			H	14.13	9.15	-4.83	18.45	30.00
	1732.5	20175	V	11.06	9.2	-4.87	15.39	30.00
			H	15.23	9.2	-4.87	19.56	30.00
	1750.0	20350	V	10.29	9.26	-4.91	14.64	30.00
			H	13.87	9.26	-4.91	18.22	30.00
BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	10.07	9.12	-4.82	14.37	30.00
			H	14.02	9.12	-4.82	18.32	30.00
	1732.5	20175	V	11.04	9.18	-4.85	15.37	30.00
			H	14.9	9.18	-4.85	19.23	30.00
	1750.0	20350	V	11.41	9.23	-4.9	15.74	30.00
			H	14.22	9.23	-4.9	18.55	30.00
BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	9.97	9.15	-4.83	14.29	30.00
			H	14.12	9.15	-4.83	18.44	30.00
	1732.5	20175	V	10.39	9.2	-4.87	14.72	30.00
			H	15.1	9.2	-4.87	19.43	30.00
	1750.0	20350	V	11.09	9.27	-4.91	15.45	30.00
			H	15.07	9.27	-4.91	19.43	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 15M QPSK RB: 1,0	1717.5	20025	V	10.79	9.12	-4.82	15.09	30.00
			H	14.26	9.12	-4.82	18.56	30.00
	1732.5	20175	V	10.47	9.17	-4.84	14.8	30.00
			H	15.73	9.17	-4.84	20.06	30.00
	1747.5	20325	V	11.61	9.22	-4.88	15.95	30.00
			H	14.92	9.22	-4.88	19.26	30.00
BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	10.19	9.12	-4.82	14.49	30.00
			H	14.69	9.12	-4.82	18.99	30.00
	1732.5	20175	V	10.85	9.17	-4.84	15.18	30.00
			H	15.53	9.17	-4.84	19.86	30.00
	1747.5	20325	V	11.12	9.22	-4.88	15.46	30.00
			H	14.67	9.22	-4.88	19.01	30.00
BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	10.15	9.12	-4.82	14.45	30.00
			H	14.28	9.12	-4.82	18.58	30.00
	1732.5	20175	V	10.4	9.17	-4.84	14.73	30.00
			H	15.48	9.17	-4.84	19.81	30.00
	1747.5	20325	V	10.14	9.22	-4.88	14.48	30.00
			H	15.23	9.22	-4.88	19.57	30.00
BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	11.23	9.16	-4.84	15.55	30.00
			H	15.14	9.16	-4.84	19.46	30.00
	1732.5	20175	V	10.72	9.21	-4.88	15.05	30.00
			H	15.2	9.21	-4.88	19.53	30.00
	1747.5	20325	V	10.3	9.26	-4.91	14.65	30.00
			H	14.2	9.26	-4.91	18.55	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 20M QPSK RB: 1,0	1720.0	20050	V	11.34	9.12	-4.82	15.64	30.00
			H	14.47	9.12	-4.82	18.77	30.00
	1732.5	20175	V	10.79	9.16	-4.84	15.11	30.00
			H	14.19	9.16	-4.84	18.51	30.00
	1745.0	20300	V	11.3	9.2	-4.87	15.63	30.00
			H	15.98	9.2	-4.87	20.31	30.00
BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	11.61	9.18	-4.85	15.94	30.00
			H	15.27	9.18	-4.85	19.6	30.00
	1732.5	20175	V	10.27	9.22	-4.88	14.61	30.00
			H	14.46	9.22	-4.88	18.8	30.00
	1745.0	20300	V	10.26	9.26	-4.91	14.61	30.00
			H	14.44	9.26	-4.91	18.79	30.00
BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	10.41	9.12	-4.82	14.71	30.00
			H	13.95	9.12	-4.82	18.25	30.00
	1732.5	20175	V	9.87	9.16	-4.84	14.19	30.00
			H	14.29	9.16	-4.84	18.61	30.00
	1745.0	20300	V	11.37	9.2	-4.87	15.7	30.00
			H	15.25	9.2	-4.84	19.61	30.00
BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	11.47	9.18	-4.85	15.8	30.00
			H	16.07	9.18	-4.85	20.4	30.00
	1732.5	20175	V	11.21	9.22	-4.88	15.55	30.00
			H	14.79	9.22	-4.88	19.13	30.00
	1745.0	20300	V	11.48	9.26	-4.91	15.83	30.00
			H	14.98	9.26	-4.91	19.33	30.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 1.4M QPSK RB: 1,0	824.7	20407	V	6.04	5.49	-3.32	8.21	40.60
			H	9.81	5.49	-3.32	11.98	40.60
	836.5	20525	V	4.45	5.47	-3.36	6.56	40.60
			H	8.44	5.47	-3.36	10.55	40.60
	848.3	20643	V	4.31	5.45	-3.07	6.69	40.60
			H	8.28	5.45	-3.07	10.66	40.60
BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	5.62	5.49	-3.31	7.8	40.60
			H	6.57	5.49	-3.31	8.75	40.60
	836.5	20525	V	8.85	5.47	-3.27	11.05	40.60
			H	8.08	5.47	-3.27	10.28	40.60
	848.3	20643	V	4.85	5.45	-3.1	7.2	40.60
			H	8.38	5.45	-3.1	10.73	40.60
BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	4.65	5.49	-3.32	6.82	40.60
			H	8.75	5.49	-3.32	10.92	40.60
	836.5	20525	V	4.36	5.47	-3.36	6.47	40.60
			H	7.76	5.47	-3.36	9.87	40.60
	848.3	20643	V	4.23	5.45	-3.07	6.61	40.60
			H	8.1	5.45	-3.07	10.48	40.60
BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	5.53	5.48	-3.25	7.76	40.60
			H	8.17	5.48	-3.25	10.4	40.60
	836.5	20525	V	4.58	5.47	-3.35	6.7	40.60
			H	7.54	5.47	-3.35	9.66	40.60
	848.3	20643	V	3.76	5.45	-3.11	6.1	40.60
			H	7.24	5.45	-3.11	9.58	40.60

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 3M QPSK RB: 1,0	825.5	20415	V	5.67	5.49	-3.37	7.79	40.60
			H	9.21	5.49	-3.37	11.33	40.60
	836.5	20525	V	4.62	5.47	-3.37	6.72	40.60
			H	9.08	5.47	-3.37	11.18	40.60
	847.5	20635	V	4.1	5.45	-3.37	6.18	40.60
			H	7.93	5.45	-3.37	10.01	40.60
BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	6.08	5.48	-3.22	8.34	40.60
			H	8.37	5.48	-3.22	10.63	40.60
	836.5	20525	V	4.73	5.47	-3.18	7.02	40.60
			H	7.88	5.47	-3.18	10.17	40.60
	847.5	20635	V	4.86	5.45	-3.1	7.21	40.60
			H	8.4	5.45	-3.1	10.75	40.60
BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	5.13	5.49	-3.41	7.21	40.60
			H	8.65	5.49	-3.41	10.73	40.60
	836.5	20525	V	4.78	5.47	-3.35	6.9	40.60
			H	8.11	5.47	-3.35	10.23	40.60
	847.5	20635	V	3.95	5.45	-3.37	6.03	40.60
			H	7.92	5.45	-3.37	10	40.60
BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	4.99	5.48	-3.22	7.25	40.60
			H	8.64	5.48	-3.22	10.9	40.60
	836.5	20525	V	4.19	5.47	-3.28	6.38	40.60
			H	8.17	5.47	-3.28	10.36	40.60
	847.5	20635	V	4.46	5.45	-3.14	6.77	40.60
			H	7.54	5.45	-3.14	9.85	40.60

Remark :

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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	5.62	5.49	-3.4	7.71	40.60
			H	8.79	5.49	-3.4	10.88	40.60
	836.5	20525	V	5.29	5.47	-3.4	7.36	40.60
			H	8.89	5.47	-3.4	10.96	40.60
	846.5	20625	V	3.83	5.46	-3.45	5.84	40.60
			H	8.43	5.46	-3.45	10.44	40.60
BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	5.17	5.48	-3.16	7.49	40.60
			H	8.13	5.48	-3.16	10.45	40.60
	836.5	20525	V	4.5	5.47	-3.18	6.79	40.60
			H	8.7	5.47	-3.18	10.99	40.60
	846.5	20625	V	4.61	5.45	-3.08	6.98	40.60
			H	7.72	5.45	-3.08	10.09	40.60
BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	5.03	5.49	-3.38	7.14	40.60
			H	8.83	5.49	-3.38	10.94	40.60
	836.5	20525	V	4.58	5.47	-3.37	6.68	40.60
			H	7.76	5.47	-3.37	9.86	40.60
	846.5	20625	V	4.31	5.46	-3.44	6.33	40.60
			H	7.39	5.46	-3.44	9.41	40.60
BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	5.06	5.48	-3.17	7.37	40.60
			H	8.42	5.48	-3.17	10.73	40.60
	836.5	20525	V	3.94	5.47	-3.13	6.28	40.60
			H	8.16	5.47	-3.13	10.5	40.60
	846.5	20625	V	3.84	5.45	-3.07	6.22	40.60
			H	7.62	5.45	-3.07	10	40.60

Remark :

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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	6.58	5.48	-3.25	8.81	40.60
			H	9.15	5.48	-3.25	11.38	40.60
	836.5	20525	V	5.48	5.47	-3.4	7.55	40.60
			H	8.11	5.47	-3.4	10.18	40.60
	844.0	20600	V	3.91	5.47	-3.13	6.25	40.60
			H	7.87	5.47	-3.13	10.21	40.60
BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	5.28	5.47	-3.48	7.27	40.60
			H	8.98	5.47	-3.48	10.97	40.60
	836.5	20525	V	5.39	5.47	-3.46	7.4	40.60
			H	9.07	5.47	-3.46	11.08	40.60
	844.0	20600	V	4.82	5.47	-3.13	7.16	40.60
			H	3.91	5.47	-3.13	6.25	40.60
BAND 5 BW: 10M 16QAM RB: 1,0	829.0	20450	V	4.63	5.48	-3.24	6.87	40.60
			H	8.43	5.48	-3.24	10.67	40.60
	836.5	20525	V	4.51	5.48	-3.43	6.56	40.60
			H	8.55	5.48	-3.43	10.6	40.60
	844.0	20600	V	4.2	5.47	-3.14	6.53	40.60
			H	8.05	5.47	-3.14	10.38	40.60
BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	4.97	5.47	-3.49	6.95	40.60
			H	8.25	5.47	-3.49	10.23	40.60
	836.5	20525	V	3.8	5.46	-3.46	5.8	40.60
			H	8.59	5.46	-3.46	10.59	40.60
	844.0	20600	V	4.37	5.45	-3.11	6.71	40.60
			H	8.05	5.45	-3.11	10.39	40.60

Remark :

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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	10.76	10.4	-5.88	15.28	33.01
			H	14.41	10.4	-5.88	18.93	33.01
	2535.0	21100	V	13.16	10.46	-5.9	17.72	33.01
			H	15.81	10.46	-5.9	20.37	33.01
	2567.5	21425	V	12.76	10.52	-5.97	17.31	33.01
			H	16.75	10.52	-5.97	21.3	33.01
BAND 7 BW: 5M QPSK RB: 1,24	2502.5	20775	V	11.58	10.41	-5.89	16.1	33.01
			H	14.44	10.41	-5.89	18.96	33.01
	2535.0	21100	V	12.46	10.47	-5.9	17.03	33.01
			H	15.42	10.47	-5.9	19.99	33.01
	2567.5	21425	V	13.07	10.52	-5.88	17.71	33.01
			H	17.02	10.52	-5.88	21.66	33.01
BAND 7 BW: 5M 16QAM RB: 1,0	2502.5	20775	V	12.63	10.46	-5.9	17.19	33.01
			H	13.45	10.46	-5.9	18.01	33.01
	2535.0	21100	V	12.32	10.46	-5.9	16.88	33.01
			H	15.22	10.46	-5.9	19.78	33.01
	2567.5	21425	V	10.82	10.41	-5.89	15.34	33.01
			H	16.84	10.41	-5.89	21.36	33.01
BAND 7 BW: 5M 16QAM RB: 1,24	2502.5	20775	V	11.4	10.41	-5.89	15.92	33.01
			H	14.42	10.41	-5.89	18.94	33.01
	2535.0	21100	V	12.84	10.47	-5.9	17.41	33.01
			H	15.67	10.47	-5.9	20.24	33.01
	2567.5	21425	V	12.56	10.53	-5.98	17.11	33.01
			H	16.86	10.53	-5.98	21.41	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 10M QPSK RB: 1,0	2505.0	20800	V	10.81	10.4	-5.88	15.33	33.01
			H	13.79	10.4	-5.88	18.31	33.01
	2535.0	21100	V	12.42	10.45	-5.89	16.98	33.01
			H	15.8	10.45	-5.89	20.36	33.01
	2565.0	21400	V	13.13	10.51	-5.96	17.68	33.01
			H	16.77	10.51	-5.96	21.32	33.01
BAND 7 BW: 10M QPSK RB: 1,49	2505.0	20800	V	11.86	10.42	-5.89	16.39	33.01
			H	15.37	10.42	-5.89	19.9	33.01
	2535.0	21100	V	12.98	10.47	-5.9	17.55	33.01
			H	15.99	10.47	-5.9	20.56	33.01
	2565.0	21400	V	12.11	10.52	-5.98	16.65	33.01
			H	16	10.52	-5.98	20.54	33.01
BAND 7 BW: 10M 16QAM RB: 1,0	2505.0	20800	V	10.38	10.4	-5.88	14.9	33.01
			H	14.52	10.4	-5.88	19.04	33.01
	2535.0	21100	V	12.71	10.45	-5.89	17.27	33.01
			H	15.57	10.45	-5.89	20.13	33.01
	2565.0	21400	V	12.77	10.51	-5.96	17.32	33.01
			H	16.99	10.51	-5.96	21.54	33.01
BAND 7 BW: 10M 16QAM RB: 1,49	2505.0	20800	V	11.79	10.42	-5.89	16.32	33.01
			H	14.75	10.42	-5.89	19.28	33.01
	2535.0	21100	V	12.88	10.47	-5.9	17.45	33.01
			H	15.28	10.47	-5.9	19.85	33.01
	2565.0	21400	V	12.1	10.52	-5.98	16.64	33.01
			H	16.26	10.52	-5.98	20.8	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 15M QPSK RB: 1,0	2507.5	20825	V	10.49	10.4	-5.88	15.01	33.01
			H	14.29	10.4	-5.88	18.81	33.01
	2535.0	21100	V	12.02	10.45	-5.89	16.58	33.01
			H	15.29	10.45	-5.89	19.85	33.01
	2562.5	21375	V	13.51	10.5	-5.94	18.07	33.01
			H	16.72	10.5	-5.94	21.28	33.01
BAND 7 BW: 15M QPSK RB: 1,74	2507.5	20825	V	12.36	10.43	-5.89	16.9	33.01
			H	15.51	10.43	-5.89	20.05	33.01
	2535.0	21100	V	13.62	10.47	-5.91	18.18	33.01
			H	15.94	10.47	-5.91	20.5	33.01
	2562.5	21375	V	12.05	10.52	-5.98	16.59	33.01
			H	16.83	10.52	-5.98	21.37	33.01
BAND 7 BW: 15M 16QAM RB: 1,0	2507.5	20825	V	10.91	10.4	-5.88	15.43	33.01
			H	14.48	10.4	-5.88	19	33.01
	2535.0	21100	V	12.77	10.45	-5.89	17.33	33.01
			H	15.32	10.45	-5.89	19.88	33.01
	2562.5	21375	V	13.93	10.5	-5.94	18.49	33.01
			H	15.79	10.5	-5.94	20.35	33.01
BAND 7 BW: 15M 16QAM RB: 1,74	2507.5	20825	V	12.7	10.43	-5.89	17.24	33.01
			H	15.12	10.43	-5.89	19.66	33.01
	2535.0	21100	V	12.56	10.48	-5.91	17.13	33.01
			H	15.37	10.48	-5.91	19.94	33.01
	2562.5	21375	V	12.65	10.52	-5.98	17.19	33.01
			H	17.11	10.52	-5.98	21.65	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 7 BW: 20M QPSK RB: 1,0	2510.0	20850	V	10.76	10.4	-5.88	15.28	33.01
			H	14.23	10.4	-5.88	18.75	33.01
	2535.0	21100	V	11.77	10.45	-5.89	16.33	33.01
			H	14.81	10.45	-5.89	19.37	33.01
	2560.0	21350	V	13.45	10.49	-5.93	18.01	33.01
			H	15.72	10.49	-5.93	20.28	33.01
BAND 7 BW: 20M QPSK RB: 1,99	2510.0	20850	V	12.14	10.44	-5.89	16.69	33.01
			H	14.81	10.44	-5.89	19.36	33.01
	2535.0	21100	V	13.03	10.48	-5.91	17.6	33.01
			H	16.15	10.48	-5.91	20.72	33.01
	2560.0	21350	V	12.43	10.52	-5.98	16.97	33.01
			H	16.85	10.52	-5.98	21.39	33.01
BAND 7 BW: 20M 16QAM RB: 1,0	2510.0	20850	V	10.7	10.4	-5.88	15.22	33.01
			H	14.4	10.4	-5.88	18.92	33.01
	2535.0	21100	V	11.7	10.45	-5.89	16.26	33.01
			H	14.89	10.45	-5.89	19.45	33.01
	2560.0	21350	V	13.77	10.49	-5.93	18.33	33.01
			H	16.01	10.49	-5.93	20.57	33.01
BAND 7 BW: 20M 16QAM RB: 1,99	2510.0	20850	V	12.24	10.43	-5.89	16.78	33.01
			H	15.81	10.43	-5.89	20.35	33.01
	2535.0	21100	V	12.94	10.45	-5.9	17.49	33.01
			H	16.09	10.48	-5.9	20.67	33.01
	2560.0	21350	V	12.42	10.52	-5.98	16.96	33.01
			H	16.66	10.52	-5.98	21.2	33.01

Remark :

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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	5.54	5.45	-3.12	7.87	37.00
			H	6.78	5.45	-3.12	9.11	37.00
	707.5	23095	V	3.08	5.46	-3.22	5.32	37.00
			H	4.8	5.46	-3.22	7.04	37.00
	715.3	23173	V	1.61	5.46	-3.11	3.96	37.00
			H	4.86	5.46	-3.11	7.21	37.00
BAND 12 BW: 1.4M QPSK RB: 1,5	699.7	23017	V	6.37	5.46	-3.03	8.8	37.00
			H	6.52	5.46	-3.03	8.95	37.00
	707.5	23095	V	4.35	5.46	-3.2	6.61	37.00
			H	5.65	5.46	-3.2	7.91	37.00
	715.3	23173	V	1.59	5.46	-3.17	3.88	37.00
			H	4.41	5.46	-3.17	6.7	37.00
BAND 12 BW: 1.4M 16QAM RB: 1,0	699.7	23017	V	5.42	5.45	-3.13	7.74	37.00
			H	6.08	5.45	-3.13	8.4	37.00
	707.5	23095	V	3.03	5.46	-3.22	5.27	37.00
			H	4.54	5.46	-3.22	6.78	37.00
	715.3	23173	V	1.4	5.46	-3.09	3.77	37.00
			H	3.99	5.46	-3.09	6.36	37.00
BAND 12 BW: 1.4M 16QAM RB: 1,5	699.7	23017	V	5.84	5.46	-3	8.3	37.00
			H	6.33	5.46	-3	8.79	37.00
	707.5	23095	V	3.88	5.46	-3.23	6.11	37.00
			H	5.71	5.46	-3.23	7.94	37.00
	715.3	23173	V	1.3	5.46	-3.13	3.63	37.00
			H	4.22	5.46	-3.13	6.55	37.00

Remark :

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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	6.01	5.45	-3.05	8.41	37.00
			H	7.14	5.46	-3.05	9.55	37.00
	707.5	23095	V	2.44	5.46	-3.12	4.78	37.00
			H	4.63	5.46	-3.12	6.97	37.00
	714.5	23165	V	2.94	5.46	-2.89	5.51	37.00
			H	4.79	5.46	-2.89	7.36	37.00
BAND 12 BW: 3M QPSK RB: 1,14	700.5	23025	V	3.46	5.46	-3.01	5.91	37.00
			H	5.33	5.46	-3.01	7.78	37.00
	707.5	23095	V	4.68	5.46	-3.14	7	37.00
			H	6.8	5.46	-3.14	9.12	37.00
	714.5	23165	V	1.75	5.46	-3.15	4.06	37.00
			H	5.02	5.46	-3.15	7.33	37.00
BAND 12 BW: 3M 16QAM RB: 1,0	700.5	23025	V	5.86	5.45	-3.13	8.18	37.00
			H	6.36	5.45	-3.13	8.68	37.00
	707.5	23095	V	1.87	5.46	-3.17	4.16	37.00
			H	3.96	5.46	-3.17	6.25	37.00
	714.5	23165	V	2.68	5.46	-2.88	5.26	37.00
			H	4.94	5.46	-2.88	7.52	37.00
BAND 12 BW: 3M 16QAM RB: 1,14	700.5	23025	V	4.28	5.46	-3.03	6.71	37.00
			H	4.93	5.46	-3.03	7.36	37.00
	707.5	23095	V	3.82	5.46	-3.15	6.13	37.00
			H	5.86	5.46	-3.15	8.17	37.00
	714.5	23165	V	2.21	5.46	-3.18	4.49	37.00
			H	4.85	5.46	-3.18	7.13	37.00

Remark :

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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	5.71	5.46	-3.11	8.06	37.00
			H	6.82	5.45	-3.11	9.16	37.00
	707.5	23095	V	1.71	5.46	-3.06	4.11	37.00
			H	3.37	5.46	-3.06	5.77	37.00
	713.5	23155	V	4.36	5.46	-3.06	6.76	37.00
			H	6.74	5.46	-3.06	9.14	37.00
BAND 12 BW: 5M QPSK RB: 1,24	701.5	23035	V	2.52	5.46	-3.02	4.96	37.00
			H	4.38	5.46	-3.02	6.82	37.00
	707.5	23095	V	5.13	5.46	-3.09	7.5	37.00
			H	6.76	5.46	-3.09	9.13	37.00
	713.5	23155	V	1.35	5.46	-3.14	3.67	37.00
			H	4.25	5.46	-3.14	6.57	37.00
BAND 12 BW: 5M 16QAM RB: 1,0	701.5	23035	V	5.34	5.46	-3.17	7.63	37.00
			H	6.79	5.45	-3.17	9.07	37.00
	707.5	23095	V	2.38	5.46	-3.02	4.82	37.00
			H	4.17	5.46	-3.02	6.61	37.00
	713.5	23155	V	4.69	5.46	-3.07	7.08	37.00
			H	6.41	5.46	-3.07	8.8	37.00
BAND 12 BW: 5M 16QAM RB: 1,24	701.5	23035	V	2.8	5.46	-3.02	5.24	37.00
			H	3.71	5.46	-3.02	6.15	37.00
	707.5	23095	V	4.2	5.46	-3.11	6.55	37.00
			H	6.77	5.46	-3.11	9.12	37.00
	713.5	23155	V	0.93	5.46	-3.12	3.27	37.00
			H	4.29	5.46	-3.12	6.63	37.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 10M QPSK RB: 1,0	704.0	23060	V	5.98	5.46	-3.05	8.39	37.00
			H	6.26	5.46	-3.05	8.67	37.00
	707.5	23095	V	2.96	5.46	-3.03	5.39	37.00
			H	4.15	5.46	-3.03	6.58	37.00
	711.0	23130	V	2.75	5.46	-3.22	4.99	37.00
			H	4.27	5.46	-3.22	6.51	37.00
BAND 12 BW: 10M QPSK RB: 1,49	704.0	23060	V	3.83	5.46	-3.21	6.08	37.00
			H	5.98	5.46	-3.21	8.23	37.00
	707.5	23095	V	4.92	5.46	-3.04	7.34	37.00
			H	6.52	5.46	-3.04	8.94	37.00
	711.0	23130	V	1.78	5.46	-3.12	4.12	37.00
			H	4.86	5.46	-3.12	7.2	37.00
BAND 12 BW: 10M 16QAM RB: 1,0	704.0	23060	V	4.88	5.46	-3.04	7.3	37.00
			H	5.62	5.46	-3.04	8.04	37.00
	707.5	23095	V	3.31	5.46	-3.03	5.74	37.00
			H	4.14	5.46	-3.03	6.57	37.00
	711.0	23130	V	2.2	5.46	-3.15	4.51	37.00
			H	4.02	5.46	-3.15	6.33	37.00
BAND 12 BW: 10M 16QAM RB: 1,49	704.0	23060	V	3.15	5.46	-3.18	5.43	37.00
			H	6.02	5.46	-3.18	8.3	37.00
	707.5	23095	V	5.1	5.46	-3.02	7.54	37.00
			H	6.45	5.46	-3.02	8.89	37.00
	711.0	23130	V	1.39	5.46	-3.1	3.75	37.00
			H	4.64	5.46	-3.1	7	37.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 17 BW: 5M QPSK RB: 1,0	706.5	23755	V	0.42	5.46	-3.22	2.66	37.00
			H	8.31	5.46	-3.22	10.55	37.00
	710.0	23790	V	0.19	5.46	-3.19	2.46	37.00
			H	9.63	5.46	-3.19	11.9	37.00
	713.5	23825	V	3.05	5.46	-3.06	5.45	37.00
			H	11.12	5.46	-3.06	13.52	37.00
BAND 17 BW: 5M QPSK RB: 1,24	706.5	23755	V	3.46	5.46	-3.07	5.85	37.00
			H	9.51	5.46	-3.07	11.9	37.00
	710.0	23790	V	3.42	5.46	-3.09	5.79	37.00
			H	10.22	5.46	-3.09	12.59	37.00
	713.5	23825	V	-0.03	5.46	-3.15	2.28	37.00
			H	8.08	5.46	-3.13	10.41	37.00
BAND 17 BW: 5M 16QAM RB: 1,0	706.5	23755	V	1.02	5.46	-2.99	3.49	37.00
			H	7.78	5.46	-2.99	10.25	37.00
	710.0	23790	V	-0.16	5.46	-3	2.3	37.00
			H	9.28	5.46	-3	11.74	37.00
	713.5	23825	V	2.58	5.46	-3.07	4.97	37.00
			H	10.76	5.46	-3.07	13.15	37.00
BAND 17 BW: 5M 16QAM RB: 1,24	706.5	23755	V	2.71	5.46	-3.07	5.1	37.00
			H	9.89	5.46	-3.07	12.28	37.00
	710.0	23790	V	2.02	5.46	-3.1	4.38	37.00
			H	10.31	5.46	-3.1	12.67	37.00
	713.5	23825	V	-0.9	5.46	-3.15	1.41	37.00
			H	7.72	5.46	-3.15	10.03	37.00

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 17 BW: 10M QPSK RB: 1,0	709.0	23780	V	0.37	5.46	-3	2.83	37.00
			H	8.04	5.46	-3	10.5	37.00
	710.0	23790	V	1.4	5.46	-3.07	3.79	37.00
			H	7.93	5.46	-3.07	10.32	37.00
	711.0	23800	V	0.89	5.46	-3.18	3.17	37.00
			H	7.93	5.46	-3.18	10.21	37.00
BAND 17 BW: 10M QPSK RB: 1,49	709.0	23780	V	0.46	5.46	-2.94	2.98	37.00
			H	8.29	5.46	-2.94	10.81	37.00
	710.0	23790	V	2.33	5.46	-2.94	4.85	37.00
			H	7.92	5.46	-2.94	10.44	37.00
	711.0	23800	V	-0.01	5.46	-3.06	2.39	37.00
			H	7.68	5.46	-3.06	10.08	37.00
BAND 17 BW: 10M 16QAM RB: 1,0	709.0	23780	V	-0.27	5.46	-2.99	2.2	37.00
			H	8	5.46	-2.99	10.47	37.00
	710.0	23790	V	0.44	5.46	-3.08	2.82	37.00
			H	7.51	5.46	-3.08	9.89	37.00
	711.0	23800	V	0.12	5.46	-3.16	2.42	37.00
			H	7.63	5.46	-3.16	9.93	37.00
BAND 17 BW: 10M 16QAM RB: 1,49	709.0	23780	V	0.25	5.46	-2.9	2.81	37.00
			H	8.85	5.46	-2.9	11.41	37.00
	710.0	23790	V	2.22	5.46	-2.92	4.76	37.00
			H	7.23	5.46	-2.92	9.77	37.00
	711.0	23800	V	-0.78	5.46	-3.11	1.57	37.00
			H	8.13	5.46	-3.11	10.48	37.00

Remark :

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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	5.31	5.49	-3.3	7.5	38.50
			H	8.22	5.49	-3.3	10.41	38.50
	836.5	26915	V	4.81	5.47	-3.33	6.95	38.50
			H	8.41	5.47	-3.33	10.55	38.50
	848.3	27033	V	4.2	5.45	-3.08	6.57	38.50
			H	6.75	5.45	-3.08	9.12	38.50
BAND 26 BW: 1.4M QPSK RB: 1,5	824.7	26797	V	5.3	5.48	-3.25	7.53	38.50
			H	8.54	5.48	-3.25	10.77	38.50
	836.5	26915	V	4.92	5.47	-3.28	7.11	38.50
			H	7.59	5.47	-3.28	9.78	38.50
	848.3	27033	V	4.33	5.45	-3.1	6.68	38.50
			H	6.6	5.45	-3.1	8.95	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,0	824.7	26797	V	4.74	5.49	-3.39	6.84	38.50
			H	8.29	5.49	-3.39	10.39	38.50
	836.5	26915	V	4.47	5.47	-3.35	6.59	38.50
			H	8.2	5.47	-3.35	10.32	38.50
	848.3	27033	V	4.41	5.45	-3.19	6.67	38.50
			H	6.11	5.45	-3.19	8.37	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,5	824.7	26797	V	4.71	5.48	-3.25	6.94	38.50
			H	4.38	5.48	-3.25	6.61	38.50
	836.5	26915	V	3.95	5.45	-3.08	6.32	38.50
			H	6.92	5.45	-3.08	9.29	38.50
	848.3	27033	V	7.28	5.47	-3.24	9.51	38.50
			H	8.27	5.47	-3.24	10.5	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 3M QPSK RB: 1,0	825.5	26805	V	5.39	5.49	-3.35	7.53	38.50
			H	8.95	5.49	-3.35	11.09	38.50
	836.5	26915	V	5.24	5.47	-3.36	7.35	38.50
			H	9.38	5.47	-3.36	11.49	38.50
	847.5	27025	V	5.51	5.45	-3.35	7.61	38.50
			H	7.44	5.45	-3.35	9.54	38.50
BAND 26 BW: 3M QPSK RB: 1,14	825.5	26805	V	5.44	5.48	-3.22	7.7	38.50
			H	9.05	5.48	-3.22	11.31	38.50
	836.5	26915	V	5.34	5.47	-3.34	7.47	38.50
			H	8.4	5.47	-3.34	10.53	38.50
	847.5	27025	V	4.83	5.45	-3.1	7.18	38.50
			H	7.12	5.45	-3.1	9.47	38.50
BAND 26 BW: 3M 16QAM RB: 1,0	825.5	26805	V	5.54	5.49	-3.44	7.59	38.50
			H	9.01	5.49	-3.44	11.06	38.50
	836.5	26915	V	4.73	5.47	-3.37	6.83	38.50
			H	8.32	5.47	-3.37	10.42	38.50
	847.5	27025	V	4.86	5.45	-3.37	6.94	38.50
			H	7.3	5.45	-3.37	9.38	38.50
BAND 26 BW: 3M 16QAM RB: 1,14	825.5	26805	V	5.16	5.48	-3.2	7.44	38.50
			H	8.61	5.48	-3.2	10.89	38.50
	836.5	26915	V	4.89	5.47	-3.22	7.14	38.50
			H	7.52	5.47	-3.22	9.77	38.50
	847.5	27025	V	4.9	5.45	-3.11	7.24	38.50
			H	6.55	5.45	-3.11	8.89	38.50

Remark :

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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	4.97	5.49	-3.38	7.08	38.50
			H	8.57	5.49	-3.38	10.68	38.50
	836.5	26915	V	4.62	5.47	-3.37	6.72	38.50
			H	8.42	5.47	-3.37	10.52	38.50
	846.5	27015	V	4.24	5.46	-3.44	6.26	38.50
			H	6.9	5.46	-3.44	8.92	38.50
BAND 26 BW: 5M QPSK RB: 1,24	826.5	26815	V	4.61	5.48	-3.17	6.92	38.50
			H	8.94	5.48	-3.17	11.25	38.50
	836.5	26915	V	4.81	5.47	-3.18	7.1	38.50
			H	7.59	5.47	-3.18	9.88	38.50
	846.5	27015	V	5.3	5.45	-3.13	7.62	38.50
			H	6.76	5.45	-3.13	9.08	38.50
BAND 26 BW: 5M 16QAM RB: 1,0	826.5	26815	V	4.16	5.49	-3.3	6.35	38.50
			H	8.34	5.49	-3.3	10.53	38.50
	836.5	26915	V	3.99	5.47	-3.38	6.08	38.50
			H	8.07	5.47	-3.38	10.16	38.50
	846.5	27015	V	4.33	5.46	-3.47	6.32	38.50
			H	7.19	5.46	-3.47	9.18	38.50
BAND 26 BW: 5M 16QAM RB: 1,24	826.5	26815	V	5.24	5.48	-3.16	7.56	38.50
			H	8.73	5.48	-3.16	11.05	38.50
	836.5	26915	V	4.34	5.47	-3.12	6.69	38.50
			H	7.87	5.47	-3.12	10.22	38.50
	846.5	27015	V	4.89	5.45	-3.12	7.22	38.50
			H	7.04	5.45	-3.12	9.37	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 10M QPSK RB: 1,0	829.0	26840	V	1.67	5.49	-3.45	3.71	38.50
			H	8.55	5.49	-3.45	10.59	38.50
	836.5	26915	V	-0.06	5.48	-3.36	2.06	38.50
			H	8.99	5.48	-3.36	11.11	38.50
	844.0	26990	V	-2.68	5.46	-3.15	-0.37	38.50
			H	7.04	5.46	-3.15	9.35	38.50
BAND 26 BW: 10M QPSK RB: 1,49	829.0	26840	V	5.49	5.47	-3.44	7.52	38.50
			H	8.73	5.47	-3.44	10.76	38.50
	836.5	26915	V	4.22	5.46	-3.47	6.21	38.50
			H	6.52	5.46	-3.47	8.51	38.50
	844.0	26990	V	1.86	5.49	-3.35	4	38.50
			H	7.8	5.49	-3.35	9.94	38.50
BAND 26 BW: 10M 16QAM RB: 1,0	829.0	26840	V	2.1	5.48	-3.37	4.21	38.50
			H	8.64	5.45	-3.37	10.72	38.50
	836.5	26915	V	1.98	5.48	-3.34	4.12	38.50
			H	7.81	5.48	-3.34	9.95	38.50
	844.0	26990	V	0.53	5.46	-3.17	2.82	38.50
			H	6.81	5.46	-3.17	9.1	38.50
BAND 26 BW: 10M 16QAM RB: 1,49	829.0	26840	V	4.49	5.47	-3.51	6.45	38.50
			H	6.08	5.47	-3.51	8.04	38.50
	836.5	26915	V	3.8	5.46	-3.47	5.79	38.50
			H	5.6	5.46	-3.47	7.59	38.50
	844.0	26990	V	3.31	5.45	-3.07	5.69	38.50
			H	4.57	5.45	-3.07	6.95	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 15M QPSK RB: 1,0	831.5	26865	V	5.37	5.49	-3.33	7.53	38.50
			H	8.35	5.49	-3.33	10.51	38.50
	836.5	26915	V	4.35	5.48	-3.24	6.59	38.50
			H	8.26	5.48	-3.24	10.5	38.50
	841.5	26965	V	3.34	5.47	-3.37	5.44	38.50
			H	8.53	5.47	-3.37	10.63	38.50
BAND 26 BW: 15M QPSK RB: 1,74	831.5	26865	V	2.12	5.47	-3.3	4.29	38.50
			H	7	5.47	-3.3	9.17	38.50
	836.5	26915	V	1.14	5.46	-3.44	3.16	38.50
			H	7.77	5.46	-3.44	9.79	38.50
	841.5	26965	V	2.78	5.45	-3.07	5.16	38.50
			H	7.06	5.45	-3.07	9.44	38.50
BAND 26 BW: 15M 16QAM RB: 1,0	831.5	26865	V	4.23	5.49	-3.39	6.33	38.50
			H	8.38	5.49	-3.39	10.48	38.50
	836.5	26915	V	4.21	5.48	-3.18	6.51	38.50
			H	8.31	5.48	-3.18	10.61	38.50
	841.5	26965	V	3.2	5.47	-3.39	5.28	38.50
			H	7.71	5.47	-3.39	9.79	38.50
BAND 26 BW: 15M 16QAM RB: 1,74	831.5	26865	V	2.5	5.47	-3.13	4.84	38.50
			H	7.17	5.47	-3.13	9.51	38.50
	836.5	26915	V	2.33	5.46	-3.44	4.35	38.50
			H	7.35	5.46	-3.44	9.37	38.50
	841.5	26965	V	2.65	5.45	-3.07	5.03	38.50
			H	6.7	5.45	-3.07	9.08	38.50

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 38 BW: 5M QPSK RB: 1,0	2572.5	37775	V	18.22	10.53	-5.98	22.77	33.01
			H	18.66	10.53	-5.98	23.21	33.01
	2595.0	38000	V	17.21	10.57	-6.01	21.77	33.01
			H	19.77	10.57	-6.01	24.33	33.01
	2617.5	38225	V	19.74	10.61	-6.02	24.33	33.01
			H	21.38	10.61	-6.02	25.97	33.01
BAND 38 BW: 5M QPSK RB: 1,24	2572.5	37775	V	18.75	10.53	-5.98	23.3	33.01
			H	19.62	10.53	-5.98	24.17	33.01
	2595.0	38000	V	18.78	10.57	-6.01	23.34	33.01
			H	19.49	10.57	-6.01	24.05	33.01
	2617.5	38225	V	19.94	10.62	-6.03	24.53	33.01
			H	21.35	10.62	-6.03	25.94	33.01
BAND 38 BW: 5M 16QAM RB: 1,0	2572.5	37775	V	16.92	10.53	-5.98	21.47	33.01
			H	18.03	10.53	-5.98	22.58	33.01
	2595.0	38000	V	18.39	10.57	-6	22.96	33.01
			H	19.34	10.57	-6	23.91	33.01
	2617.5	38225	V	19.21	10.6	-6.02	23.79	33.01
			H	20.64	10.6	-6.02	25.22	33.01
BAND 38 BW: 5M 16QAM RB: 1,24	2572.5	37775	V	17.28	10.53	-5.98	21.83	33.01
			H	18.97	10.53	-5.98	23.52	33.01
	2595.0	38000	V	18.02	10.58	-6.01	22.59	33.01
			H	19.37	10.58	-6.01	23.94	33.01
	2617.5	38225	V	18.51	10.62	-6.03	23.1	33.01
			H	21.18	10.62	-6.03	25.77	33.01

Remark :

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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 38 BW: 10M QPSK RB: 1,0	2575.0	37800	V	18.02	10.53	-5.98	22.57	33.01
			H	19.53	10.53	-5.98	24.08	33.01
	2595.0	38000	V	18.72	10.56	-6	23.28	33.01
			H	20.61	10.56	-6	25.17	33.01
	2615.0	38200	V	19.43	10.6	-6.02	24.01	33.01
			H	20.65	10.6	-6.02	25.23	33.01
BAND 38 BW: 10M QPSK RB: 1,49	2575.0	37800	V	18.52	10.54	-5.99	23.07	33.01
			H	19.5	10.54	-5.99	24.05	33.01
	2595.0	38000	V	16.49	10.58	-6.02	21.05	33.01
			H	19.99	10.58	-6.02	24.55	33.01
	2615.0	38200	V	19.07	10.62	-6.03	23.66	33.01
			H	21.86	10.62	-6.03	26.45	33.01
BAND 38 BW: 10M 16QAM RB: 1,0	2575.0	37800	V	17.23	10.53	-5.98	21.78	33.01
			H	18.98	10.53	-5.98	23.53	33.01
	2595.0	38000	V	17.74	10.56	-6	22.3	33.01
			H	19.41	10.56	-6	23.97	33.01
	2615.0	38200	V	19.01	10.6	-6.02	23.59	33.01
			H	20.72	10.6	-6.02	25.3	33.01
BAND 38 BW: 10M 16QAM RB: 1,49	2575.0	37800	V	18.24	10.54	-5.98	22.8	33.01
			H	19.95	10.54	-5.98	24.51	33.01
	2595.0	38000	V	17.43	10.58	-6.02	21.99	33.01
			H	20.04	10.58	-6.02	24.6	33.01
	2615.0	38200	V	18.76	10.61	-6.02	23.35	33.01
			H	20.77	10.61	-6.02	25.36	33.01

Remark :

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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 38 BW: 15M QPSK RB: 1,0	2577.5	37825	V	17.94	10.53	-5.98	22.49	33.01
			H	19.31	10.53	-5.98	23.86	33.01
	2595.0	38000	V	19.25	10.56	-6	23.81	33.01
			H	20.75	10.56	-6	25.31	33.01
	2612.5	38175	V	18.04	10.59	-6.01	22.62	33.01
			H	20.78	10.59	-6.01	25.36	33.01
BAND 38 BW: 15M QPSK RB: 1,74	2577.5	37825	V	18.04	10.55	-5.99	22.6	33.01
			H	17.29	10.55	-5.99	21.85	33.01
	2595.0	38000	V	18.95	10.58	-6.02	23.51	33.01
			H	16.42	10.58	-6.02	20.98	33.01
	2612.5	38175	V	19.28	10.61	-6.03	23.86	33.01
			H	17.96	10.61	-6.03	22.54	33.01
BAND 38 BW: 15M 16QAM RB: 1,0	2577.5	37825	V	17.37	10.53	-5.98	21.92	33.01
			H	15.84	10.53	-5.98	20.39	33.01
	2595.0	38000	V	18.63	10.56	-6	23.19	33.01
			H	17.01	10.56	-6	21.57	33.01
	2612.5	38175	V	18.56	10.59	-6.02	23.13	33.01
			H	16.46	10.59	-6.02	21.03	33.01
BAND 38 BW: 15M 16QAM RB: 1,74	2577.5	37825	V	17.75	10.55	-5.99	22.31	33.01
			H	19.58	10.55	-5.99	24.14	33.01
	2595.0	38000	V	18.62	10.58	-6.02	23.18	33.01
			H	19.66	10.58	-6.02	24.22	33.01
	2612.5	38175	V	19.24	10.61	-6.03	23.82	33.01
			H	21.14	10.61	-6.03	25.72	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 38 BW: 20M QPSK RB: 1,0	2580.0	37850	V	17.8	10.53	-5.98	22.35	33.01
			H	15.7	10.53	-5.98	20.25	33.01
	2595.0	38000	V	19.04	10.55	-6	23.59	33.01
			H	17.26	10.55	-6	21.81	33.01
	2610.0	38150	V	18.12	10.58	-6.02	22.68	33.01
			H	16.42	10.58	-6.02	20.98	33.01
BAND 38 BW: 20M QPSK RB: 1,99	2580.0	37850	V	18.74	10.56	-6	23.3	33.01
			H	16.56	10.56	-6	21.12	33.01
	2595.0	38000	V	18.18	10.59	-6	22.77	33.01
			H	16.21	10.59	-6	20.8	33.01
	2610.0	38150	V	19.16	10.61	-6.02	23.75	33.01
			H	17.94	10.61	-6.02	22.53	33.01
BAND 38 BW: 20M 16QAM RB: 1,0	2580.0	37850	V	17.89	10.53	-5.98	22.44	33.01
			H	15.69	10.53	-5.98	20.24	33.01
	2595.0	38000	V	18.7	10.56	-6	23.26	33.01
			H	16.31	10.56	-6	20.87	33.01
	2610.0	38150	V	18.43	10.58	-6.01	23	33.01
			H	16.14	10.58	-6.01	20.71	33.01
BAND 38 BW: 20M 16QAM RB: 1,99	2580.0	37850	V	17.96	10.56	-6	22.52	33.01
			H	19.2	10.56	-6	23.76	33.01
	2595.0	38000	V	17.79	10.59	-6.01	22.37	33.01
			H	20.28	10.59	-6.01	24.86	33.01
	2610.0	38150	V	19.36	10.62	-6.03	23.95	33.01
			H	20.66	10.62	-6.03	25.25	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 41 BW: 5M QPSK RB: 1,0	2547.5	40165	V	15.74	10.48	-5.9	20.32	33.01
			H	16.93	10.48	-5.9	21.51	33.01
	2600.0	40690	V	16.75	10.58	-6.02	21.31	33.01
			H	20.1	10.58	-6.02	24.66	33.01
	2652.5	41215	V	18.2	10.67	-6.09	22.78	33.01
			H	22.01	10.67	-6.09	26.59	33.01
BAND 41 BW: 5M QPSK RB: 1,24	2547.5	40165	V	14.32	10.49	-5.92	18.89	33.01
			H	15.75	10.49	-5.92	20.32	33.01
	2600.0	40690	V	16.57	10.58	-6.02	21.13	33.01
			H	19.31	10.58	-6.02	23.87	33.01
	2652.5	41215	V	19.33	10.68	-6.09	23.92	33.01
			H	21.04	10.68	-6.09	25.63	33.01
BAND 41 BW: 5M 16QAM RB: 1,0	2547.5	40165	V	15.4	10.48	-5.91	19.97	33.01
			H	15.56	10.48	-5.91	20.13	33.01
	2600.0	40690	V	16.61	10.58	-6.01	21.18	33.01
			H	18.4	10.58	-6.01	22.97	33.01
	2652.5	41215	V	18.32	10.67	-6.09	22.9	33.01
			H	21.09	10.67	-6.09	25.67	33.01
BAND 41 BW: 5M 16QAM RB: 1,24	2547.5	40165	V	14.2	10.49	-5.92	18.77	33.01
			H	16.61	10.49	-5.92	21.18	33.01
	2600.0	40690	V	16.26	10.59	-6.02	20.83	33.01
			H	19.75	10.59	-6.02	24.32	33.01
	2652.5	41215	V	19.69	10.68	-6.09	24.28	33.01
			H	20.66	10.68	-6.09	25.25	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 41 BW: 10M QPSK RB: 1,0	2550.0	40190	V	14.46	10.48	-5.91	19.03	33.01
			H	16.43	10.48	-5.91	21	33.01
	2600.0	40690	V	17.84	10.57	-6.01	22.4	33.01
			H	19.69	10.57	-6.01	24.25	33.01
	2650.0	41190	V	19.55	10.66	-6.08	24.13	33.01
			H	21.95	10.66	-6.08	26.53	33.01
BAND 41 BW: 10M QPSK RB: 1,49	2550.0	40190	V	14.65	10.5	-5.94	19.21	33.01
			H	17.04	10.5	-5.94	21.6	33.01
	2600.0	40690	V	17.11	10.59	-6.02	21.68	33.01
			H	20.3	10.59	-6.02	24.87	33.01
	2650.0	41190	V	19	10.68	-6.09	23.59	33.01
			H	21.7	10.68	-6.09	26.29	33.01
BAND 41 BW: 10M 16QAM RB: 1,0	2550.0	40190	V	14.01	10.48	-5.91	18.58	33.01
			H	16.49	10.48	-5.91	21.06	33.01
	2600.0	40690	V	17.47	10.57	-6.01	22.03	33.01
			H	19.23	10.57	-6.01	23.79	33.01
	2650.0	41190	V	20.07	10.66	-6.08	24.65	33.01
			H	22.02	10.66	-6.08	26.6	33.01
BAND 41 BW: 10M 16QAM RB: 1,49	2550.0	40190	V	14.52	10.5	-5.94	19.08	33.01
			H	16.65	10.5	-5.94	21.21	33.01
	2600.0	40690	V	17.23	10.59	-6.02	21.8	33.01
			H	20.13	10.59	-6.02	24.7	33.01
	2650.0	41190	V	19.49	10.68	-6.09	24.08	33.01
			H	21.54	10.68	-6.09	26.13	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 41 BW: 15M QPSK RB: 1,0	2552.5	40215	V	14.01	10.48	-5.91	18.58	33.01
			H	17.37	10.48	-5.91	21.94	33.01
	2600.0	40690	V	18.57	10.57	-6.01	23.13	33.01
			H	20.19	10.57	-6.01	24.75	33.01
	2647.5	41165	V	20.8	10.65	-6.07	25.38	33.01
			H	22.51	10.65	-6.07	27.09	33.01
BAND 41 BW: 15M QPSK RB: 1,74	2552.5	40215	V	15.67	10.51	-5.96	20.22	33.01
			H	17.87	10.51	-5.96	22.42	33.01
	2600.0	40690	V	17.22	10.59	-6.02	21.79	33.01
			H	20.18	10.59	-6.02	24.75	33.01
	2647.5	41165	V	19.78	10.68	-6.09	24.37	33.01
			H	21.77	10.68	-6.09	26.36	33.01
BAND 41 BW: 15M 16QAM RB: 1,0	2552.5	40215	V	14.22	10.48	-5.91	18.79	33.01
			H	16.51	10.48	-5.91	21.08	33.01
	2600.0	40690	V	18.37	10.57	-6.01	22.93	33.01
			H	19.56	10.57	-6.01	24.12	33.01
	2647.5	41165	V	20.76	10.65	-6.07	25.34	33.01
			H	21.97	10.65	-6.07	26.55	33.01
BAND 41 BW: 15M 16QAM RB: 1,74	2552.5	40215	V	15.01	10.59	-6.02	19.58	33.01
			H	19.54	10.59	-6.02	24.11	33.01
	2600.0	40690	V	17.44	10.5	-5.95	21.99	33.01
			H	16.7	10.5	-5.95	21.25	33.01
	2647.5	41165	V	19.35	10.67	-6.09	23.93	33.01
			H	21.29	10.67	-6.09	25.87	33.01

Remark :

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

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 41 BW: 20M QPSK RB: 1,0	2555.0	40240	V	16.03	10.48	-5.91	20.6	33.01
			H	17.1	10.48	-5.91	21.67	33.01
	2600.0	40690	V	19.19	10.56	-6.01	23.74	33.01
			H	20.03	10.56	-6.01	24.58	33.01
	2645.0	41140	V	19.87	10.65	-6.06	24.46	33.01
			H	22.28	10.65	-6.06	26.87	33.01
BAND 41 BW: 20M QPSK RB: 1,99	2555.0	40240	V	15.55	10.52	-5.97	20.1	33.01
			H	17.93	10.52	-5.97	22.48	33.01
	2600.0	40690	V	18.12	10.6	-6.02	22.7	33.01
			H	20.88	10.6	-6.02	25.46	33.01
	2645.0	41140	V	19.57	10.68	-6.09	24.16	33.01
			H	21.84	10.68	-6.09	26.43	33.01
BAND 41 BW: 20M 16QAM RB: 1,0	2555.0	40240	V	15.62	10.48	-5.91	20.19	33.01
			H	16.46	10.48	-5.91	21.03	33.01
	2600.0	40690	V	18.38	10.56	-6.01	22.93	33.01
			H	19.64	10.56	-6.01	24.19	33.01
	2645.0	41140	V	19.67	10.65	-6.06	24.26	33.01
			H	21.25	10.65	-6.06	25.84	33.01
BAND 41 BW: 20M 16QAM RB: 1,99	2555.0	40240	V	16.09	10.52	-5.97	20.64	33.01
			H	17.74	10.52	-5.97	22.29	33.01
	2600.0	40690	V	17.66	10.6	-6.02	22.24	33.01
			H	20.4	10.6	-6.02	24.98	33.01
	2645.0	41140	V	19.18	10.68	-6.09	23.77	33.01
			H	21.58	10.68	-6.09	26.17	33.01

Remark :

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

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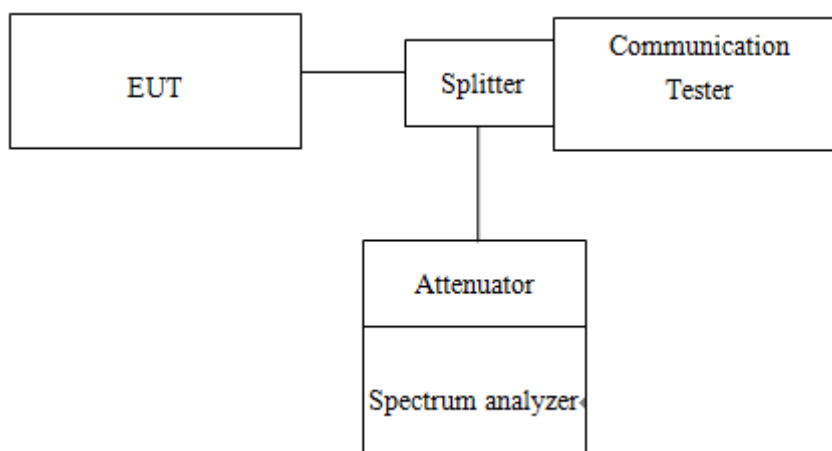
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8. OCCUPIED BANDWIDTH MEASUREMENT

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%.

NOTE: For the plot of bandwidth measurement, the marker of the 99% bandwidth is diamond-shape while the marker of the 20dB BW is arrow-mark

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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.
Power Meter	Anritsu	ML2495A	1005007	12/09/2015	12/08/2016
Power Sensor	Anritsu	MA2411B	917032	12/09/2015	12/08/2016
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	20/25/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017
Coaxial Cable	HUBER+SUHNE R	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

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8.5. Measurement Result

99% Bandwidth (*Detector Peak*)

Frequency (MHz)	CH	99% Bandwidth (KHz)	99% Bandwidth (KHz)	99% Bandwidth (KHz)
		GSM 850	GPRS 850	EDGE 850
824.20	128	239.92	241.35	244.69
836.60	190	248.94	246.35	245.39
848.80	251	244.54	243.65	247.20

Frequency (MHz)	CH	99% Bandwidth (KHz)	99% Bandwidth (KHz)	99% Bandwidth (KHz)
		GSM 1900	GPRS 1900	EDGE 1900
1850.20	512	244.98	243.28	237.96
1880.00	661	245.94	245.58	241.27
1909.80	810	241.41	244.44	242.97

Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		WCDMA II	HSDPA II	HSUPA II
1850.20	9262	4.1162	4.1048	4.0975
1880.00	9400	4.1183	4.1036	4.1104
1909.80	9538	4.1074	4.1174	4.1058

Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	4.1225	4.1093	4.1178
1732.6	1413	4.1063	4.1019	4.1103
1752.6	1513	4.1136	4.1153	4.1045

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Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		WCDMA V	HSDPA V	HSUPA V
826.40	4132	4.1194	4.1194	4.1239
836.60	4183	4.1090	4.1090	4.1056
846.60	4233	4.1095	4.1095	4.1187

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1850.7	18607	1.0973	1.0971	1851.5	18615	2.6973	2.6951
1880.0	18900	1.0979	1.0990	1880.0	18900	2.6873	2.6978
1909.3	19193	1.0950	1.0969	1908.5	19185	2.6927	2.6942

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1852.5	18625	4.4922	4.4912	1855.0	18650	8.9883	8.9346
1880.0	18900	4.4948	4.4994	1880.0	18900	8.9878	8.9587
1907.5	19175	4.4871	4.5030	1905.0	19150	9.0105	8.9669

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LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1857.5	18675	13.339	13.363	1860.0	18700	17.775	17.773
1880.0	18900	13.465	13.453	1880.0	18900	17.973	17.976
1902.5	19125	13.475	13.466	1900.0	19100	17.939	17.901

LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1710.7	19957	1.0986	1.0939	1711.5	19965	2.7060	2.6981
1732.5	20175	1.0961	1.0981	1732.5	20175	2.7191	2.6954
1754.3	20393	1.0954	1.0969	1753.5	20385	2.7025	2.6948

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1712.5	19957	4.4929	4.4927	1715.0	20000	9.0050	8.9506
1732.5	20175	4.4880	4.4955	1732.5	20175	8.9645	8.9463
1752.5	20375	4.4968	4.4849	1750.0	20350	8.9674	8.9634

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LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1717.5	20025	13.404	13.428	1720.0	20050	17.913	17.919
1732.5	20175	13.388	13.403	1732.5	20175	17.856	17.874
1747.5	20325	13.436	13.444	1745.0	20300	17.945	17.927

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	20407	1.0972	1.0988	825.5	20415	2.6939	2.6954
836.5	20525	1.0927	1.0974	836.5	20525	2.6974	2.6952
848.3	20643	1.0961	1.0957	847.5	20635	2.6965	2.6939

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	20425	4.4947	4.4895	829.0	20450	9.0006	8.9608
836.5	20525	4.4925	4.4908	836.5	20525	8.9548	8.9400
846.5	20625	4.4888	4.4890	844.0	20600	9.0016	8.9489

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LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2502.5	20775	4.4964	4.4889	2505.0	20800	8.9790	8.9665
2535.0	21100	4.4883	4.4891	2535.0	21100	8.9728	8.9587
2567.5	21425	4.4884	4.4914	2565.0	21400	8.9548	8.9350

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2507.5	20825	13.448	13.435	2510.0	20850	17.907	17.939
2535.0	21100	13.396	13.405	2535.0	21100	17.876	17.858
2562.5	21375	13.468	13.424	2560.0	21350	17.885	17.889

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
699.7	23017	1.0962	1.0955	700.5	23025	2.6977	2.6953
707.5	23095	1.0960	1.0978	707.5	23095	2.6962	2.6982
715.3	23173	1.0968	1.0937	714.5	23165	2.6947	2.6935

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LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
701.5	23035	4.4859	4.4883	704.0	23060	8.9698	8.9433
707.5	23095	4.4954	4.5000	707.5	23095	9.0004	8.9620
713.5	23155	4.4809	4.4857	711.0	23130	9.0027	8.9605

LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
706.5	23755	4.4890	4.4861	709.0	23780	8.9906	8.9678
710.0	23790	4.4942	4.4913	710.0	23790	8.9836	8.9615
713.5	23825	4.4806	4.4835	711.0	23780	8.9828	8.9587

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	26797	1.0946	1.0945	825.5	26805	2.6994	2.6936
836.5	26915	1.0963	1.0922	836.5	26915	2.6976	2.6971
848.3	27033	1.0939	1.0969	847.5	27025	2.6932	2.6980

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LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	26815	4.4852	4.4878	829.0	26840	8.9803	8.9770
836.5	26915	4.4826	4.4858	836.5	26915	8.9379	8.9933
846.5	27015	4.4924	4.4832	844.0	26990	8.9783	8.9452

LTE BAND 26							
Channel bandwidth: 15MHz							
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)				
		QPSK	16QAM				
831.5	26865	13.457	13.452				
836.5	26915	13.384	13.395				
841.5	26965	13.370	13.367				

LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2572.5	37775	4.5134	4.4906	2575.0	37800	8.9712	8.9641
2595.0	38000	4.4858	4.4914	2595.0	38000	8.9709	8.9502
2617.5	38225	4.5043	4.5007	2615.0	38200	8.9788	8.9662

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LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2577.5	37825	13.464	13.474	2580.0	37850	17.983	17.935
2595.0	38000	13.473	13.469	2595.0	38000	17.894	17.953
2612.5	38175	13.446	13.462	2610.0	38150	17.995	17.877

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2547.5	40165	4.5122	4.4961	2550.0	40190	8.9680	8.9545
2600.0	40690	4.5068	4.4991	2600.0	40690	8.9696	8.9453
2652.5	41215	4.5128	4.4927	2650.0	41190	8.9602	8.9582

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2552.5	40215	13.410	13.462	2555.0	40240	17.890	17.841
2600.0	40690	13.448	13.455	2600.0	40690	17.906	17.912
2647.5	41165	13.435	13.422	2645.0	41140	17.918	17.902

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LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
814.7	26697	1.0959	1.0956	815.5	26705	2.6936	2.6990
819.0	26740	1.0955	1.0960	819.0	26740	2.6938	2.6936
823.3	26783	1.0951	1.0985	822.5	26775	2.6937	2.6981

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
816.5	26715	4.4756	4.4839	819.0	26740	8.9740	8.9487
819.0	26740	4.4769	4.4878				
821.5	26765	4.4975	4.4969				

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26dB Bandwidth

Frequency (MHz)	CH	26dB Band-width (KHz)	26dB Band-width (KHz)	26dB Band-width (KHz)
		GSM 850	GPRS 850	EDGE 850
824.20	128	309.6	312.9	316.3
836.60	190	313.6	318.7	321.7
848.80	251	318.9	321.3	313.5

Frequency (MHz)	CH	26dB Band-width (KHz)	26dB Band-width (KHz)	26dB Band-width (KHz)
		GSM 1900	GPRS 1900	EDGE 1900
1850.20	512	319.1	320.2	311.5
1880.00	661	311.4	313.2	317.4
1909.80	810	317.2	323.7	307.8

Frequency (MHz)	CH	26dB Band-width (MHz)	26dB Band-width (MHz)	26dB Band-width (MHz)
		WCDMA II	HSDPA II	HSUPA II
1850.20	9262	4.665	4.652	4.653
1880.00	9400	4.657	4.675	4.668
1909.80	9538	4.645	4.637	4.664

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Frequency (MHz)	CH	26dB Band- width (MHz)	26dB Band- width (MHz)	26dB Band- width (MHz)
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	4.678	4.653	4.651
1732.6	1413	4.666	4.665	4.692
1752.6	1513	4.656	4.651	4.644

Frequency (MHz)	CH	26dB Band- width (MHz)	26dB Band- width (MHz)	26dB Band- width (MHz)
		WCDMA V	HSDPA V	HSUPA V
826.40	4132	4.664	4.664	4.674
836.60	4183	4.686	4.686	4.652
846.60	4233	4.673	4.673	4.643

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LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1850.7	18607	1.309	1.292	1851.5	18615	2.984	2.996
1880.0	18900	1.292	1.297	1880.0	18900	2.962	2.987
1909.3	19193	1.282	1.299	1908.5	19185	2.970	2.993

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1852.5	18625	4.998	5.014	1855.0	18650	9.842	9.700
1880.0	18900	5.021	5.010	1880.0	18900	9.891	9.803
1907.5	19175	4.989	5.008	1905.0	19150	9.875	9.756

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1857.5	18675	14.51	14.55	1860.0	18700	19.28	19.21
1880.0	18900	14.69	14.76	1880.0	18900	19.61	19.46
1902.5	19125	14.74	14.72	1900.0	19100	19.50	19.35

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1710.7	19957	1.319	1.299	1711.5	19965	2.983	2.990
1732.5	20175	1.288	1.290	1732.5	20175	2.998	2.996
1754.3	20393	1.289	1.295	1753.5	20385	2.983	2.986

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1712.5	19957	5.023	4.987	1715.0	20000	9.919	9.868
1732.5	20175	4.975	4.990	1732.5	20175	9.822	9.877
1752.5	20375	4.995	5.005	1750.0	20350	9.821	9.801

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1717.5	20025	14.64	14.74	1720.0	20050	19.35	19.51
1732.5	20175	14.66	14.56	1732.5	20175	19.30	19.45
1747.5	20325	14.68	14.61	1745.0	20300	19.40	19.41

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LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	20407	1.286	1.286	825.5	20415	2.975	2.978
836.5	20525	1.287	1.289	836.5	20525	2.972	2.996
848.3	20643	1.288	1.302	847.5	20635	2.978	2.986

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	20425	5.043	4.975	829.0	20450	9.849	9.799
836.5	20525	4.987	4.990	836.5	20525	9.835	9.796
846.5	20625	4.987	5.005	844.0	20600	9.869	9.816

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2502.5	20775	5.047	4.990	2505.0	20800	9.947	9.770
2535.0	21100	5.003	5.014	2535.0	21100	9.917	9.758
2567.5	21425	5.023	4.978	2565.0	21400	9.844	9.777

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LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2507.5	20825	14.59	14.56	2510.0	20850	19.52	19.41
2535.0	21100	14.43	14.71	2535.0	21100	19.30	19.41
2562.5	21375	14.56	14.66	2560.0	21350	19.35	19.40

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
699.7	23017	1.293	1.287	700.5	23025	2.998	2.984
707.5	23095	1.281	1.289	707.5	23095	2.979	2.993
715.3	23173	1.278	1.276	714.5	23165	2.989	2.982

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
701.5	23035	5.018	4.975	704.0	23060	9.767	9.795
707.5	23095	5.000	5.014	707.5	23095	9.861	9.889
713.5	23155	4.988	4.981	711.0	23130	9.877	9.881

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LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
706.5	23755	5.000	4.980	709.0	23780	9.900	9.823
710.0	23790	5.033	5.010	710.0	23790	9.913	9.748
713.5	23825	4.972	4.997	711.0	23780	9.852	9.735

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	26797	1.277	1.288	825.5	26805	2.981	2.880
836.5	26915	1.298	1.270	836.5	26915	2.964	2.965
848.3	27033	1.287	1.289	847.5	27025	2.974	3.001

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	26815	4.947	4.845	829.0	26840	9.894	9.834
836.5	26915	4.964	4.935	836.5	26915	9.820	9.852
846.5	27015	4.981	4.986	844.0	26990	9.803	9.802

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LTE BAND 26							
Channel bandwidth: 15MHz							
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)				
		QPSK	16QAM				
831.5	26865	14.63	14.56				
836.5	26915	14.48	14.54				
841.5	26965	14.50	14.58				

LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2572.5	37775	5.782	5.469	2575.0	37800	11.91	12.70
2595.0	38000	5.283	5.457	2595.0	38000	9.971	12.21
2617.5	38225	5.690	5.426	2615.0	38200	9.903	12.67

LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2577.5	37825	28.84	23.74	2580.0	37850	28.10	21.79
2595.0	38000	23.10	22.67	2595.0	38000	26.89	33.07
2612.5	38175	23.51	16.71	2610.0	38150	30.65	32.07

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LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2547.5	40165	5.730	5.392	2550.0	40190	10.16	10.18
2600.0	40690	6.040	5.499	2600.0	40690	9.764	10.24
2652.5	41215	5.556	5.356	2650.0	41190	10.54	10.26

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2552.5	40215	14.68	17.11	2555.0	40240	20.62	19.88
2600.0	40690	23.94	22.38	2600.0	40690	20.32	23.74
2647.5	41165	14.87	14.94	2645.0	41140	19.37	19.94

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LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
814.7	26697	1.280	1.286	815.5	26705	2.982	2.996
819.0	26740	1.279	1.294	819.0	26740	2.951	2.995
823.3	26783	1.283	1.284	822.5	26775	2.970	2.989

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
816.5	26715	4.963	4.928	819.0	26740	9.818	9.775
819.0	26740	4.990	4.988				
821.5	26765	4.987	5.044				

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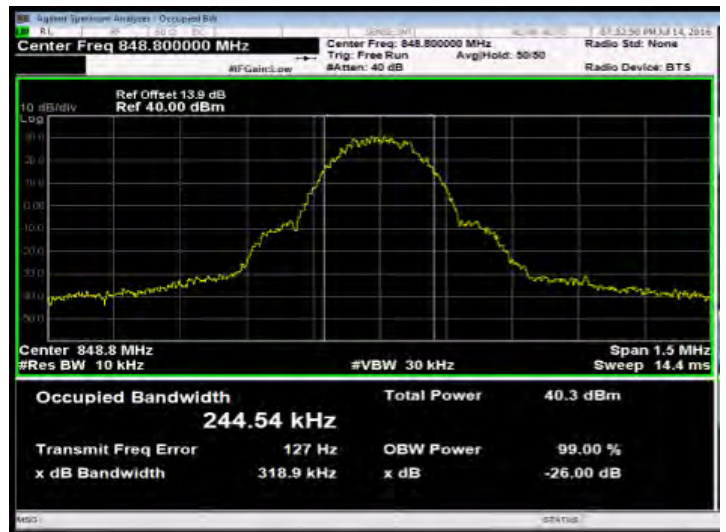
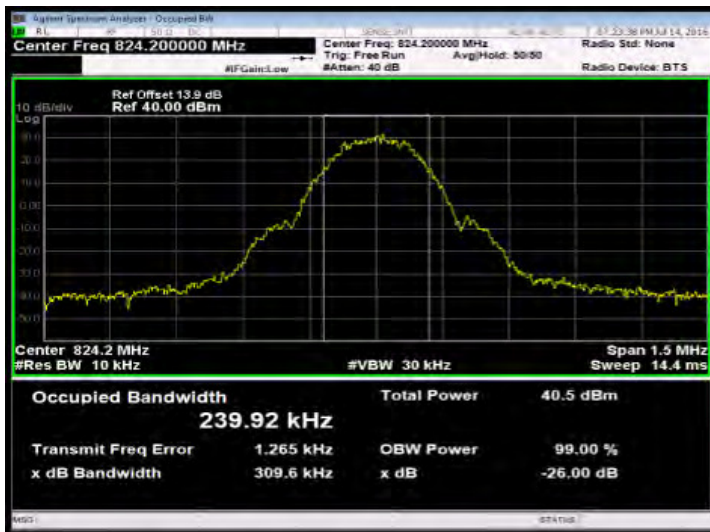
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99% & 26dB Bandwidth Test Data (Detector Peak)

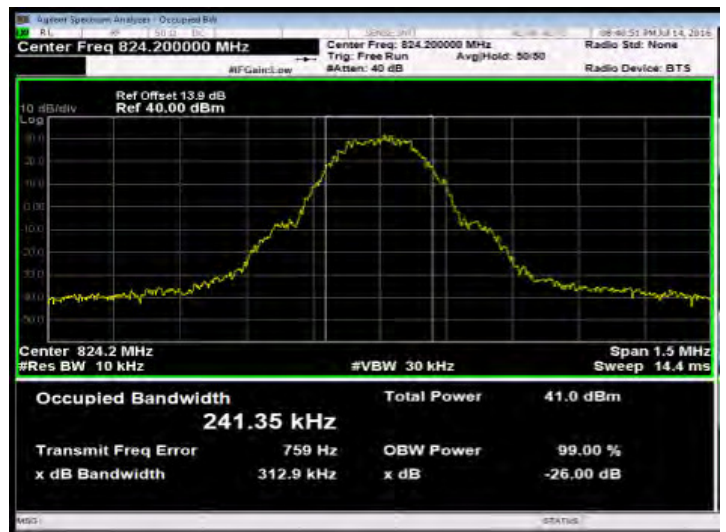
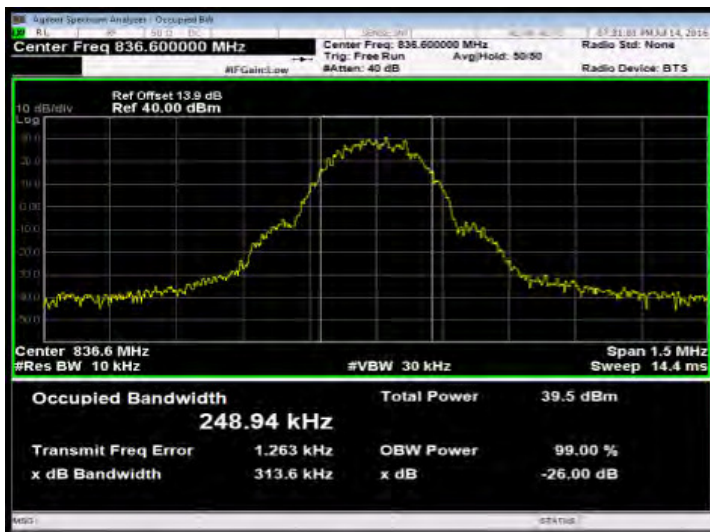
GSM_850MHz_LowCH128-824.2

GSM_850MHz_HighCH251-848.8



GSM_850MHz_MidCH190-836.6

GPRS_850MHz_LowCH128-824.2



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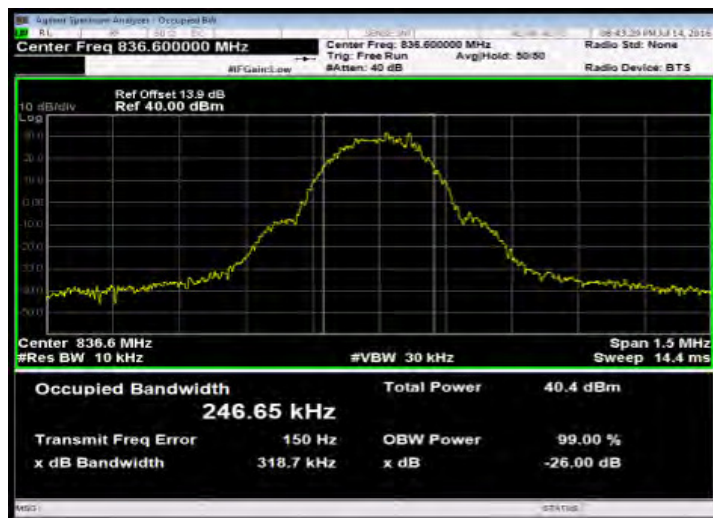
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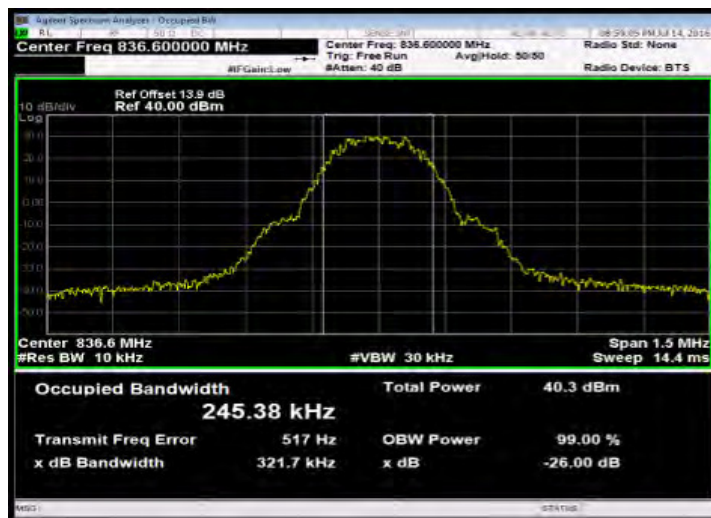
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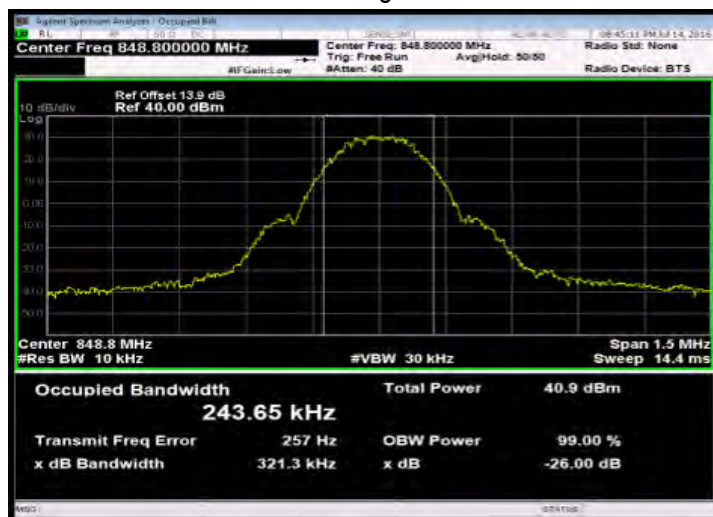
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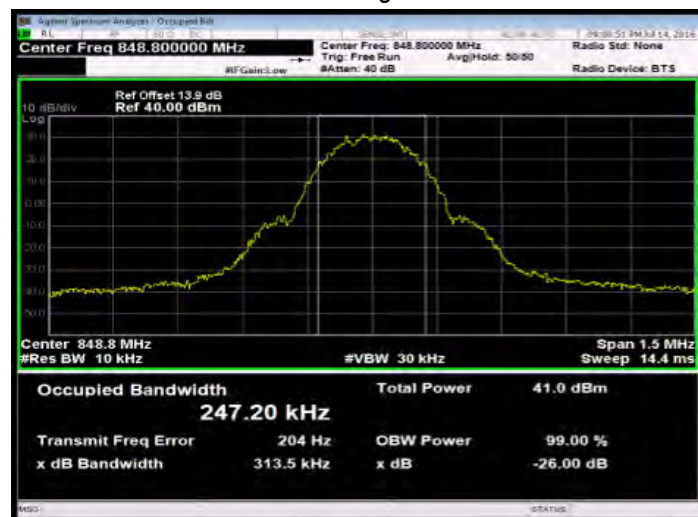
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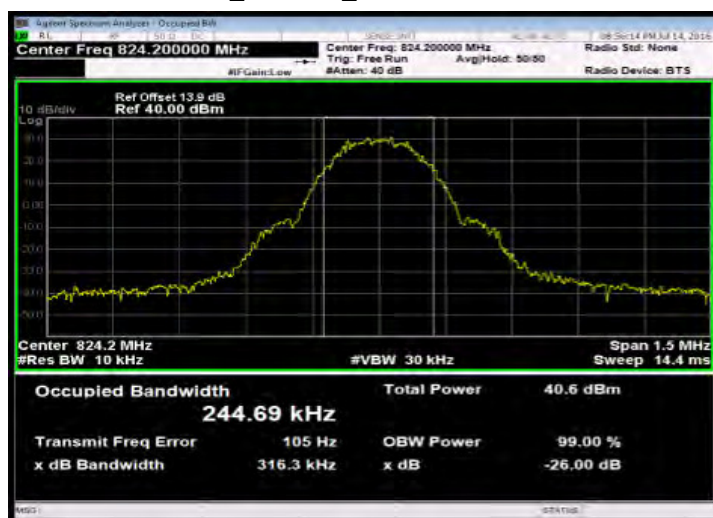
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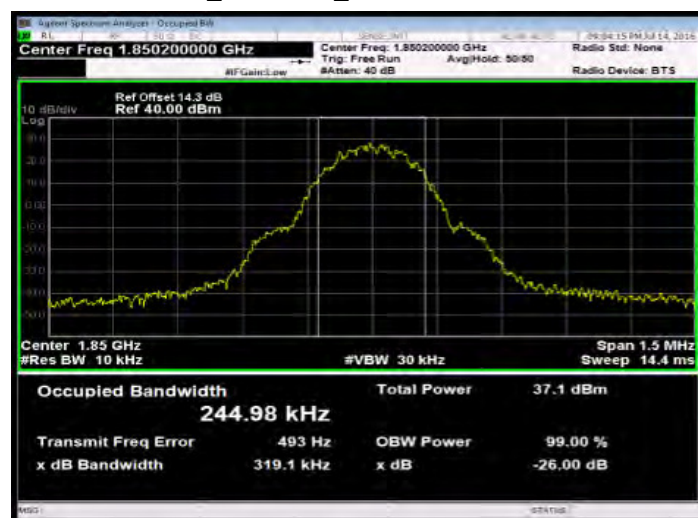
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EDGE_850MHz_LowCH128-824.2



GSM_1900MHz_LowCH512-1850.2



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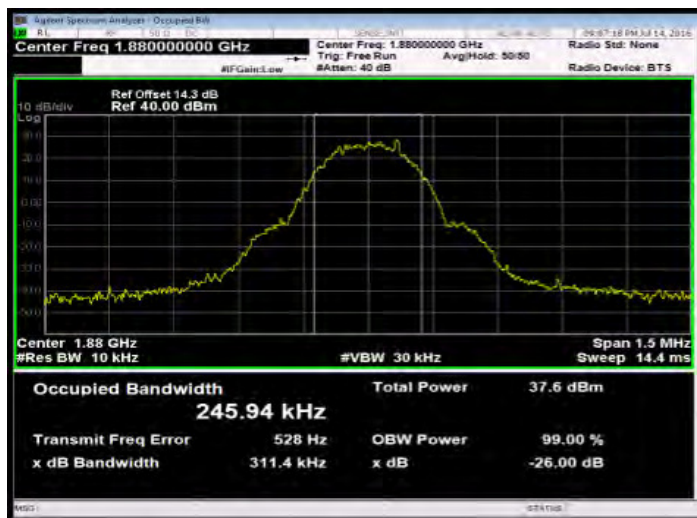
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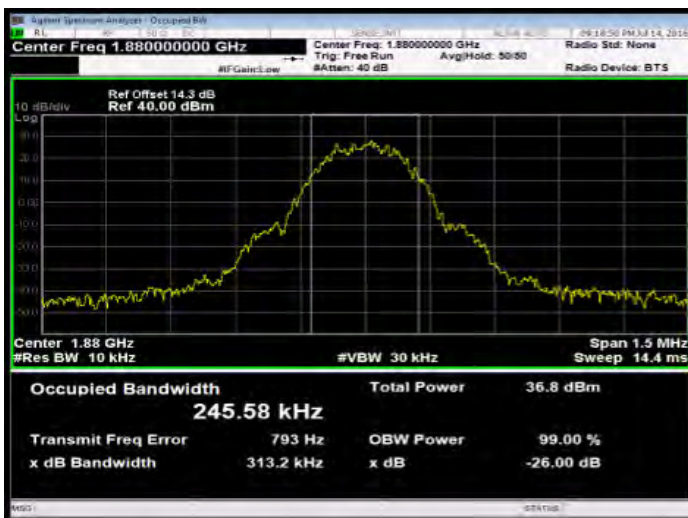
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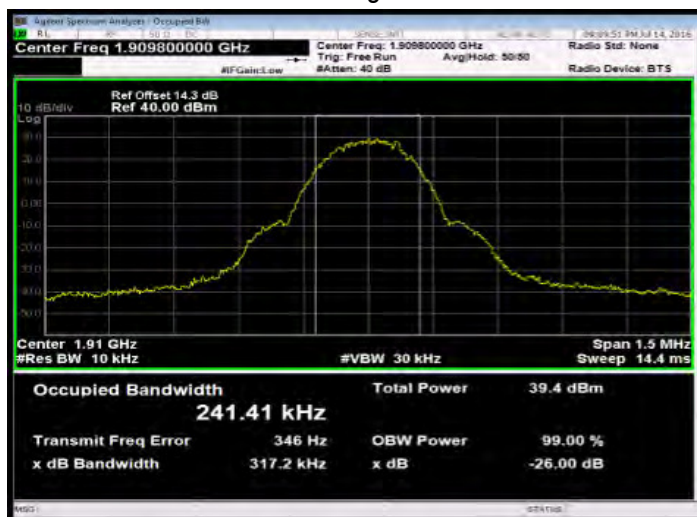
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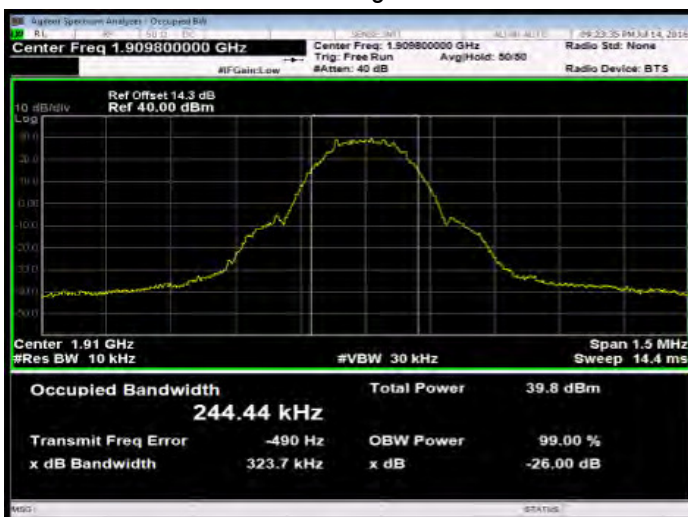
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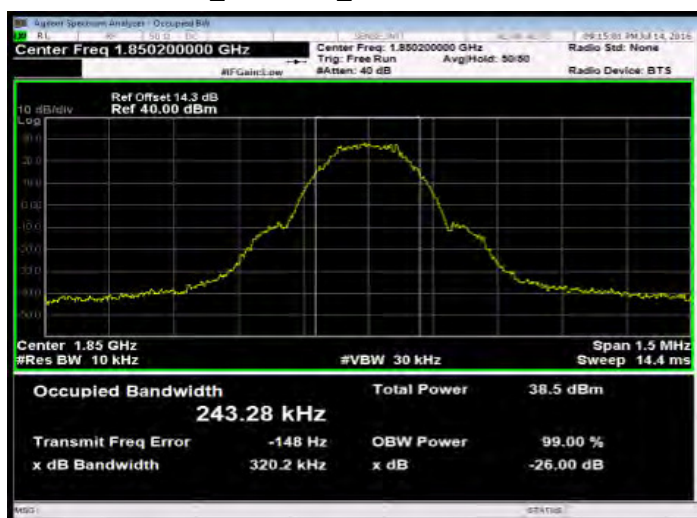
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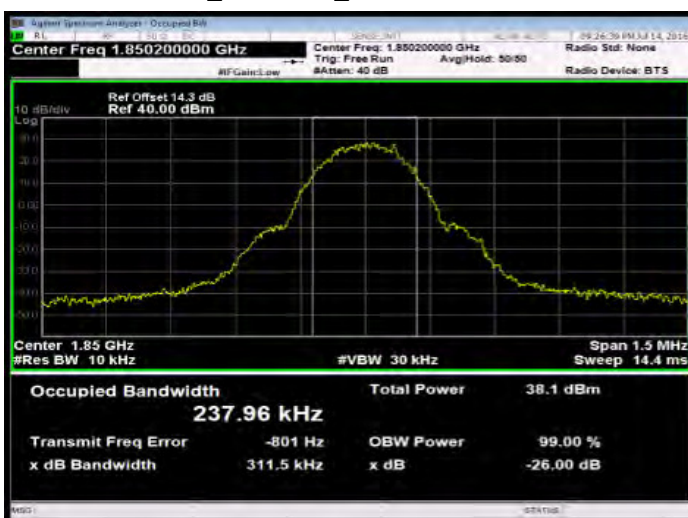
GPRS_1900MHz_HighCH810-1909.8



GPRS_1900MHz_LowCH512-1850.2



EDGE_1900MHz_LowCH512-1850.2



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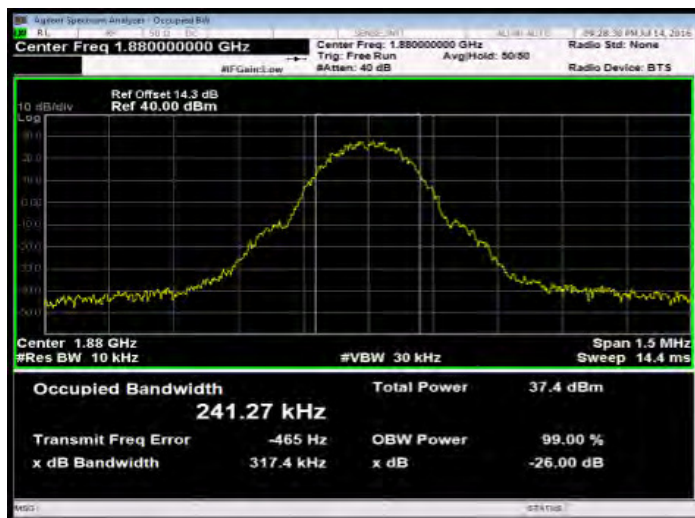
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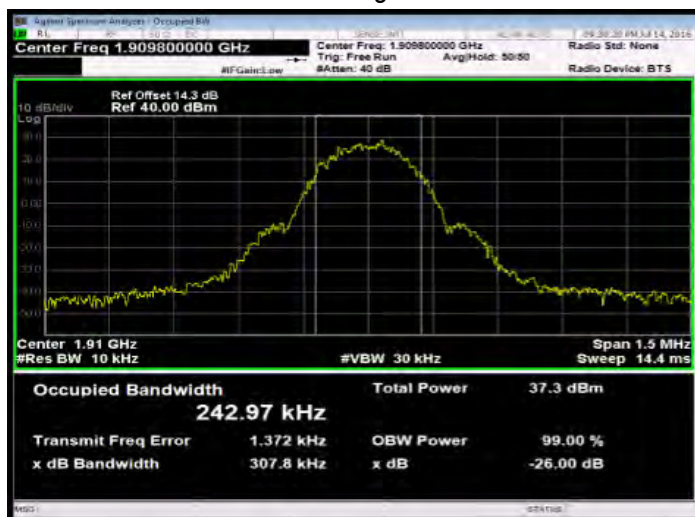
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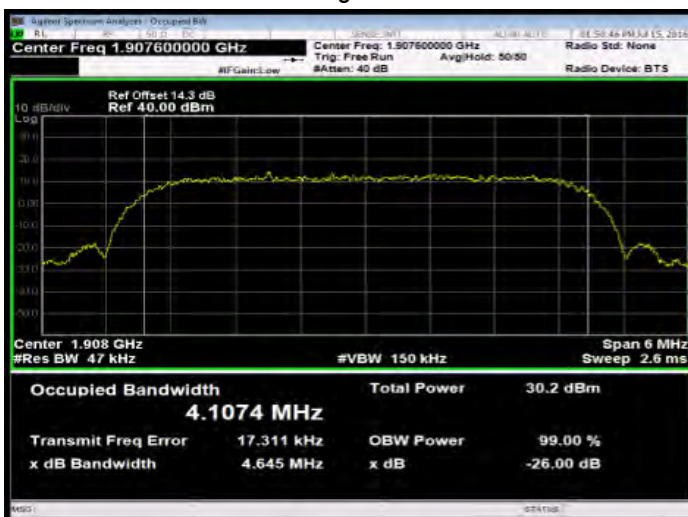
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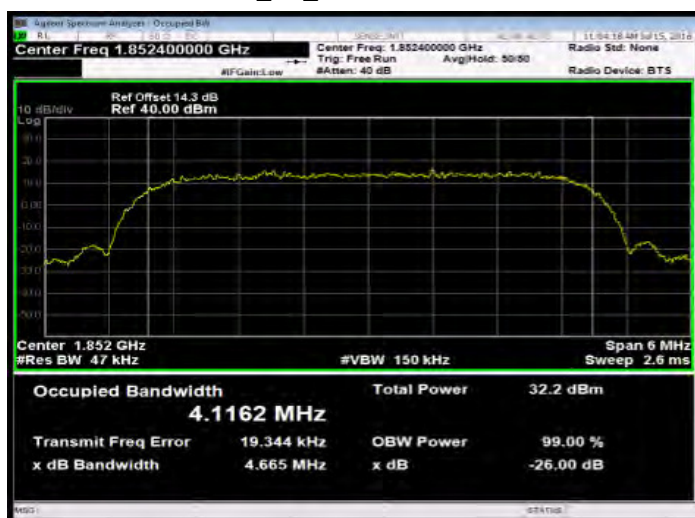
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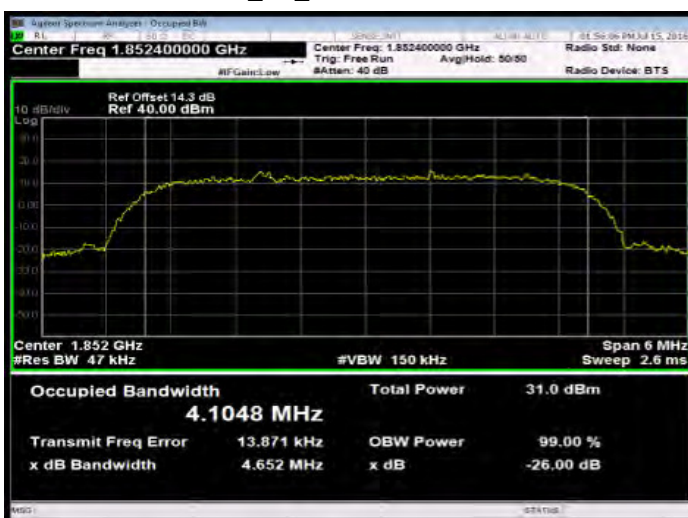
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WCDMA_B2_LowCH9262-1852.4



HSDPA_B2_LowCH9262-1852.4



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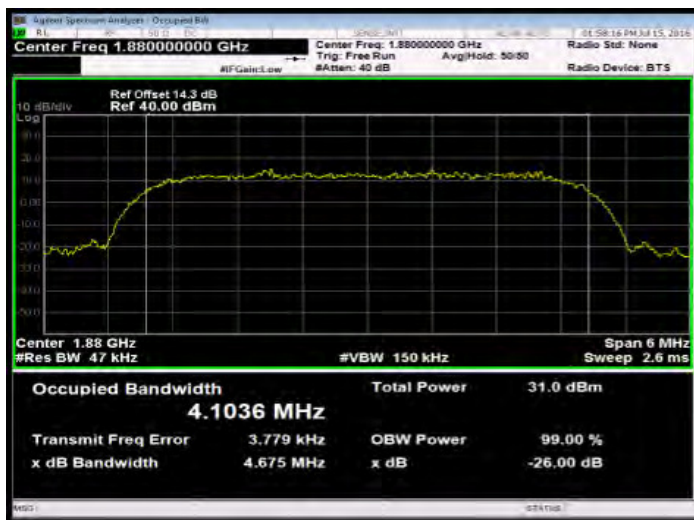
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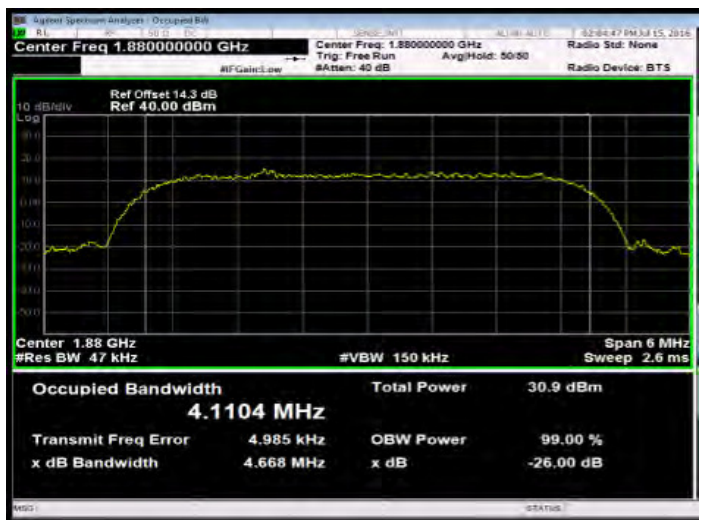
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HSDPA_B2_MidCH9400-1880



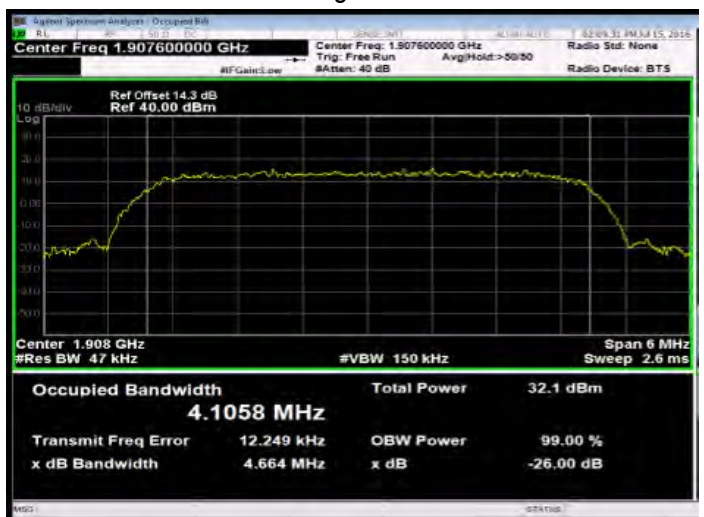
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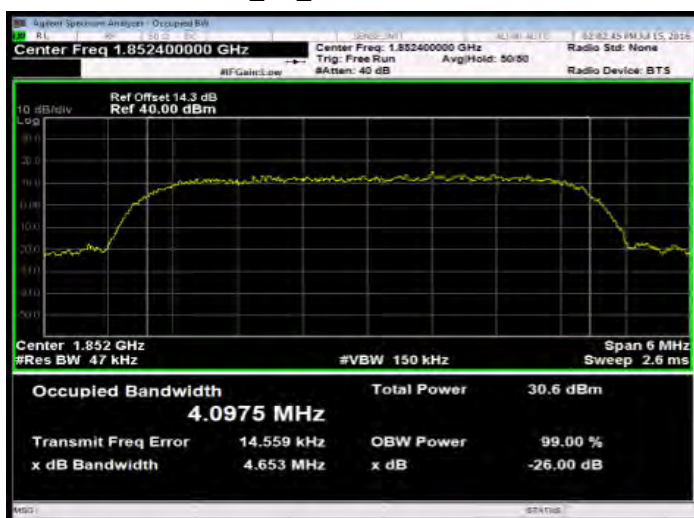
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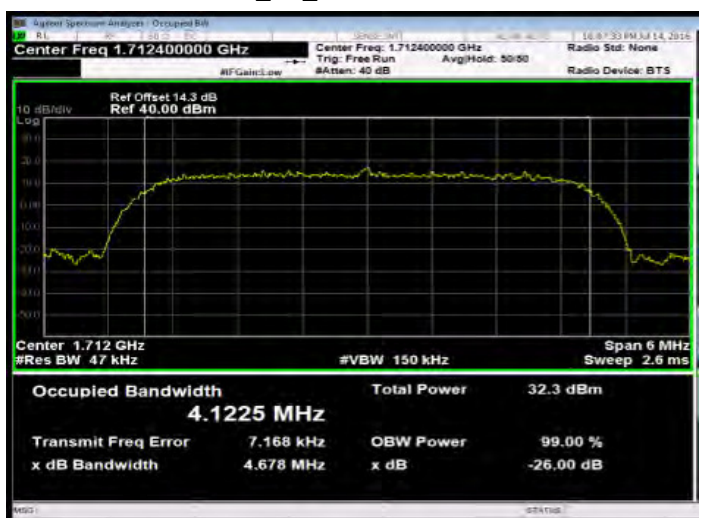
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HSUPA_B2_LowCH9262-1852.4



WCDMA_B4_LowCH1312-1712.4



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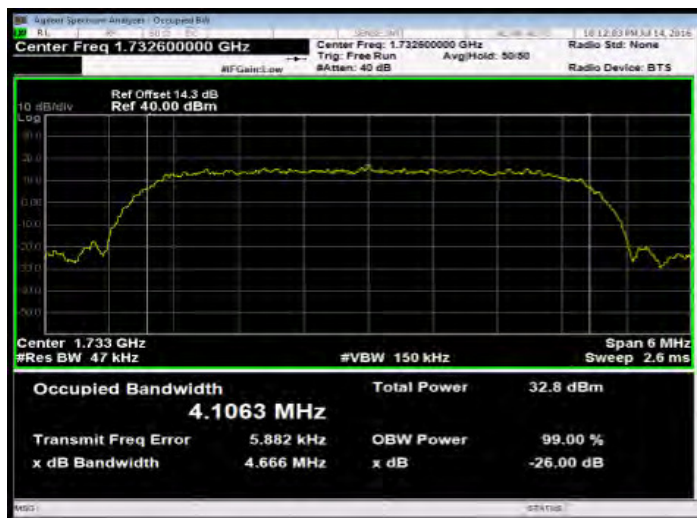
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WCDMA_B4_MidCH1413-1732.6



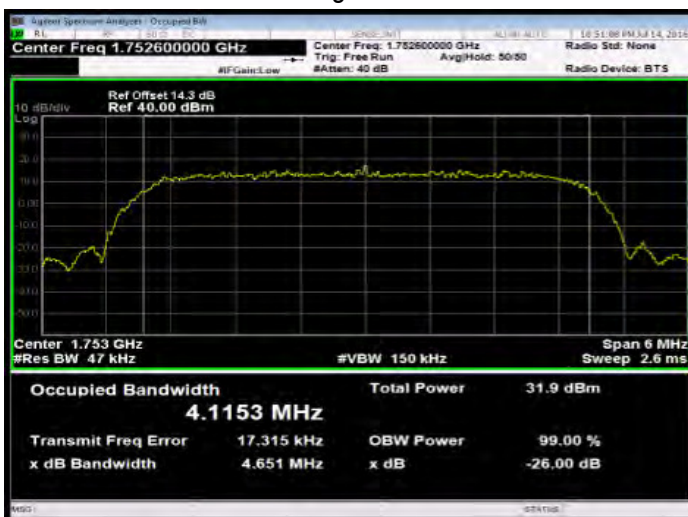
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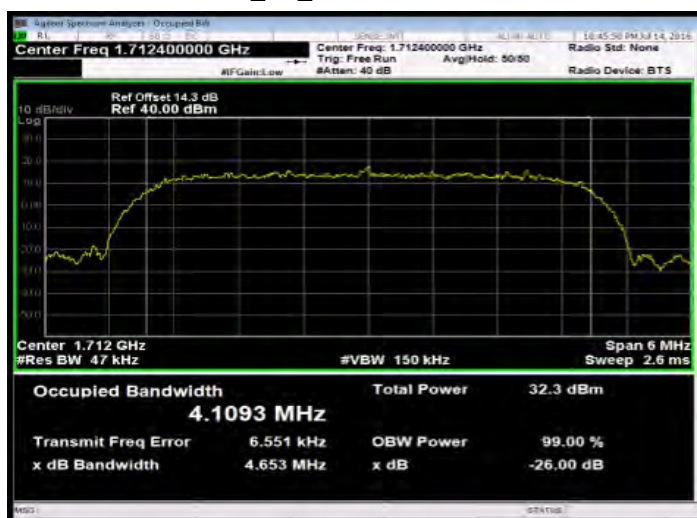
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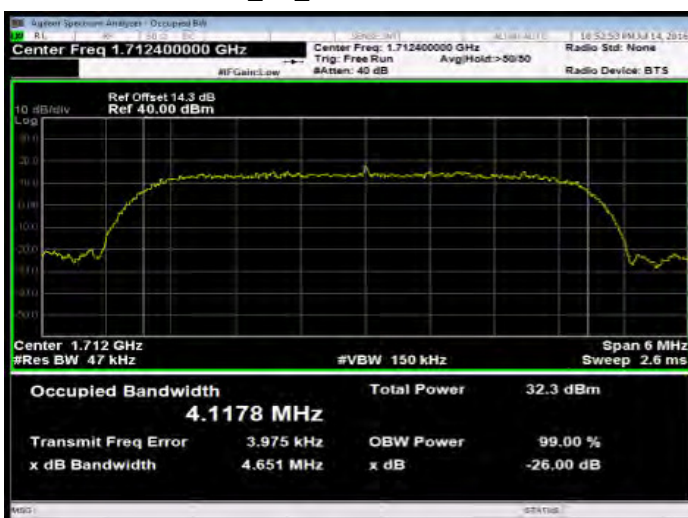
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HSDPA_B4_LowCH1312-1712.4



HSUPA_B4_LowCH1312-1712.4



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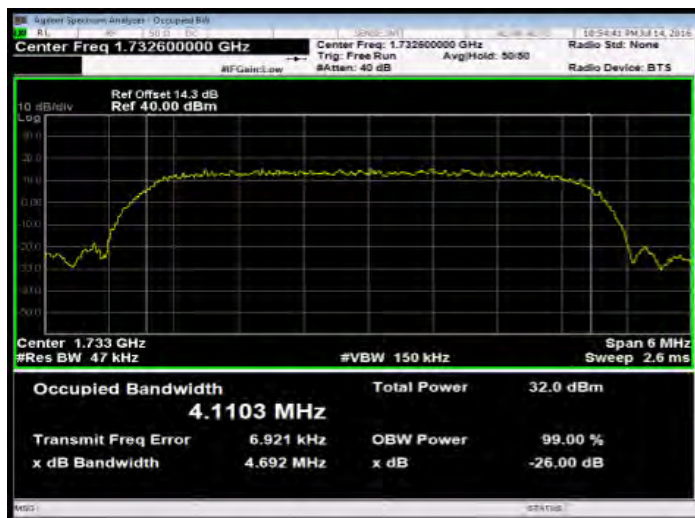
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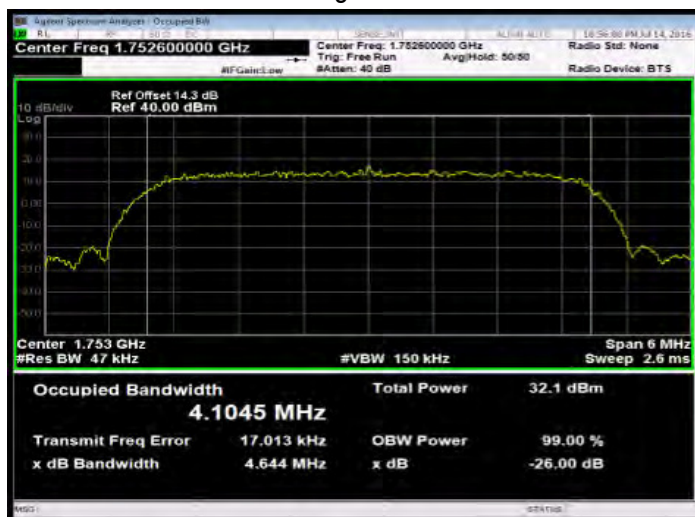
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WCDMA_B5_MidCH183-836.6



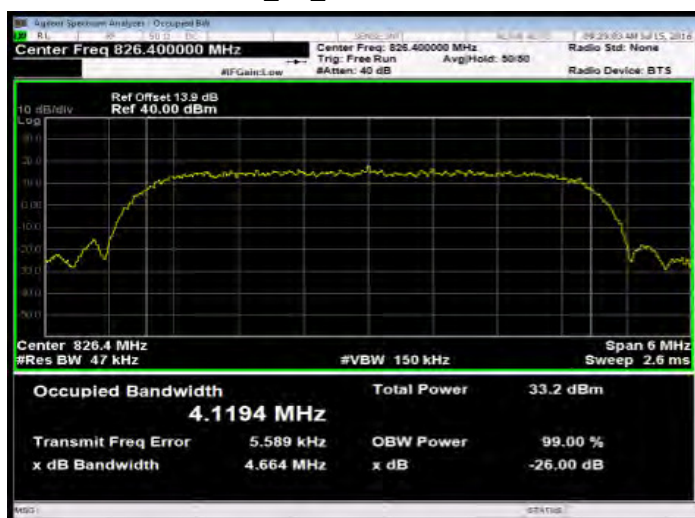
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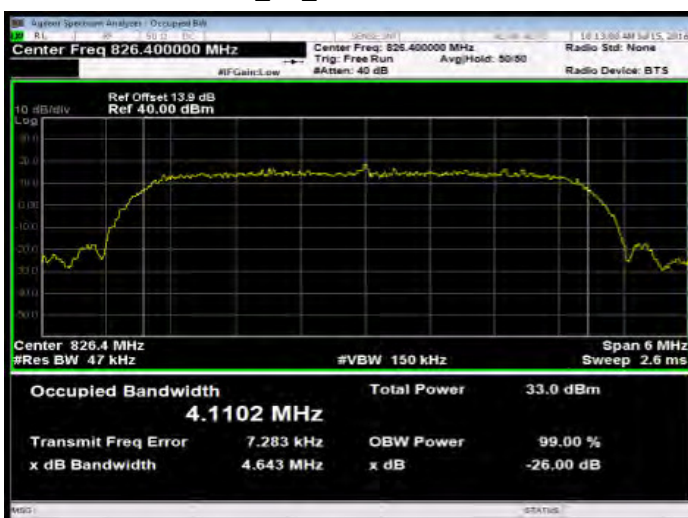
WCDMA_B5_HighCH4233-846.6



WCDMA_B5_LowCH4132-826.4



HSDPA_B5_LowCH4132-826.4



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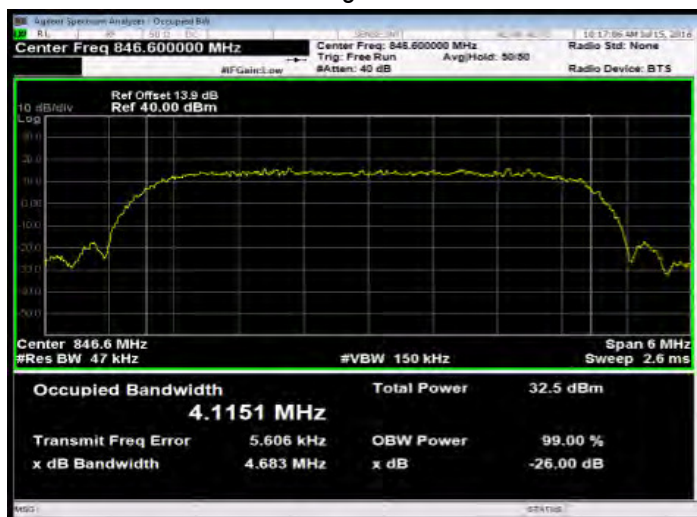
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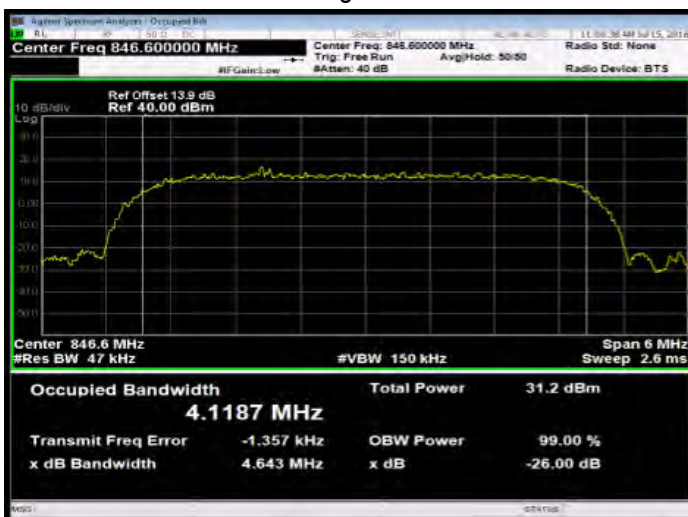
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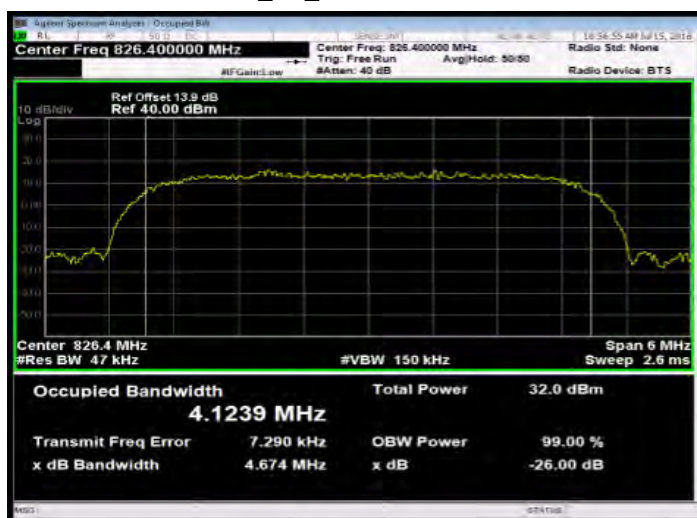
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HSUPA_B5_HighCH4233-846.6



HSUPA_B5_LowCH4132-826.4



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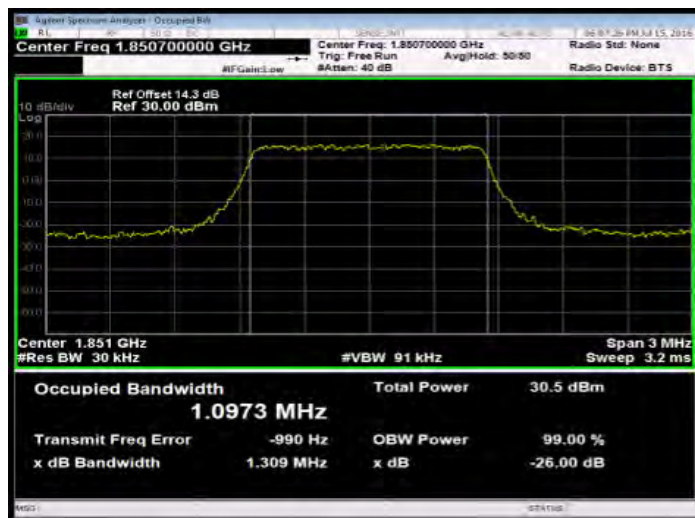
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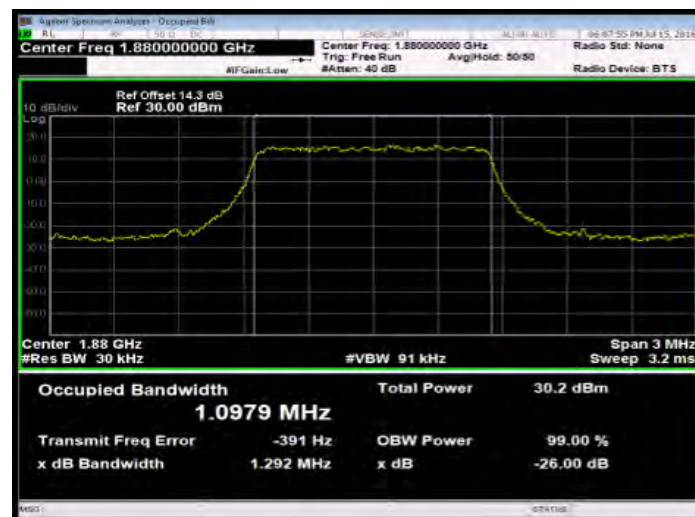
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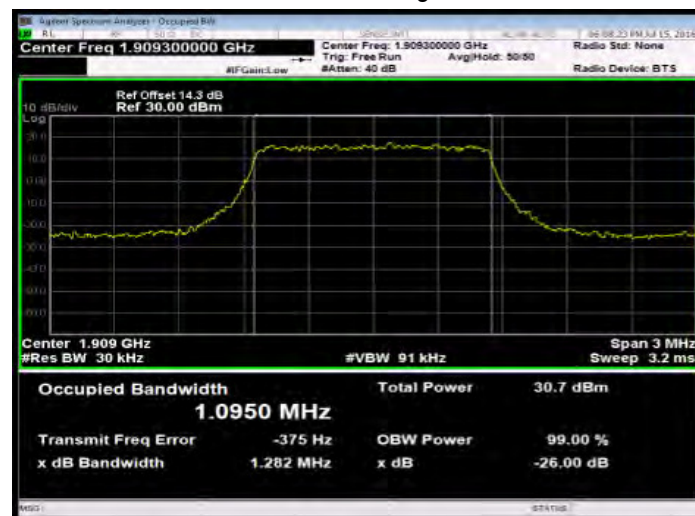
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Band2 1.4MHz_16-QAM 6 0_MidCH18900-1880



Band2 1.4MHz_QPSK 6 0_HighCH19193-1909.3



Band2 1.4MHz_16-QAM 6 0_HighCH19193-1909.3



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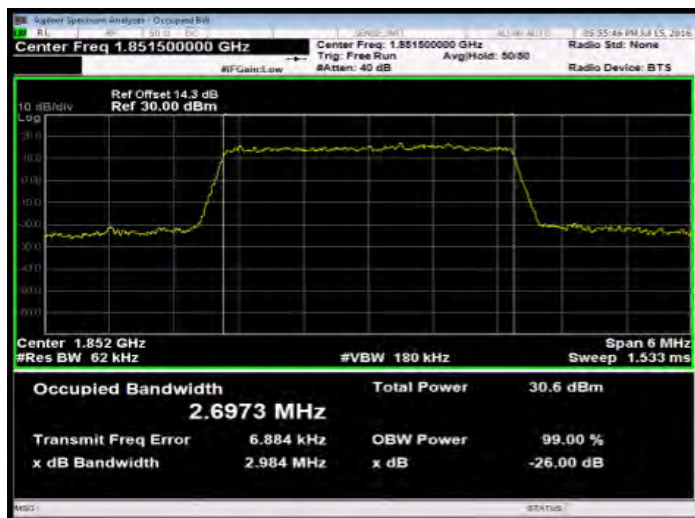
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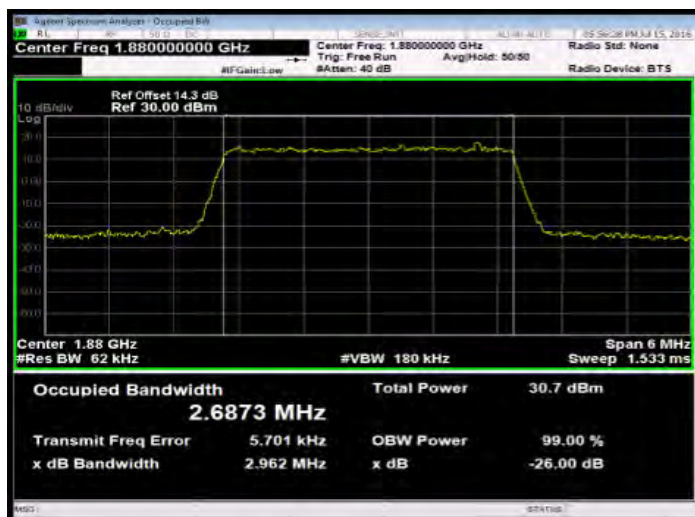
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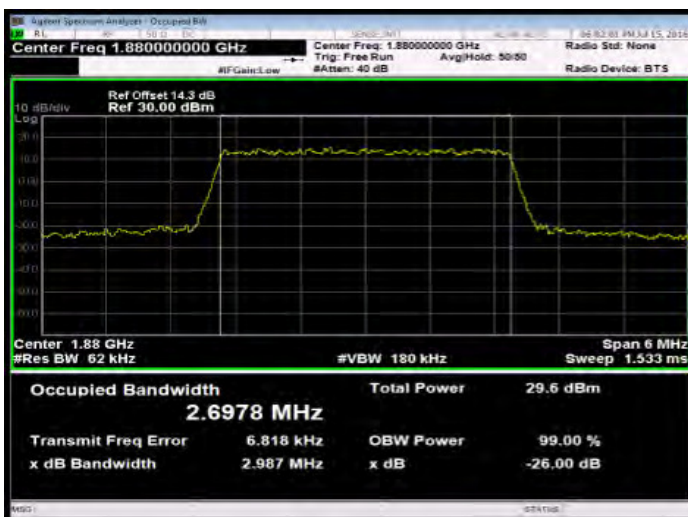
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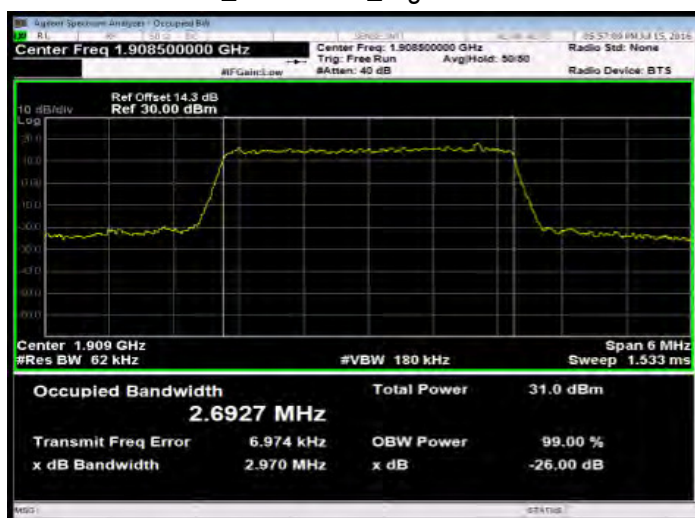
Band2 3MHz_QPSK 15 0_MidCH18900-1880



Band2 3MHz_16-QAM 15 0_MidCH18900-1880



Band2 3MHz_QPSK 15 0_HighCH19185-1908.5



Band2 3MHz_16-QAM 15 0_HighCH19185-1908.5



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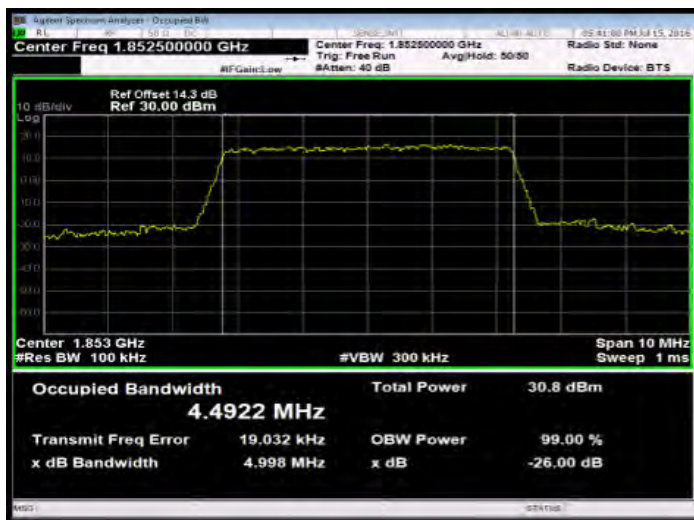
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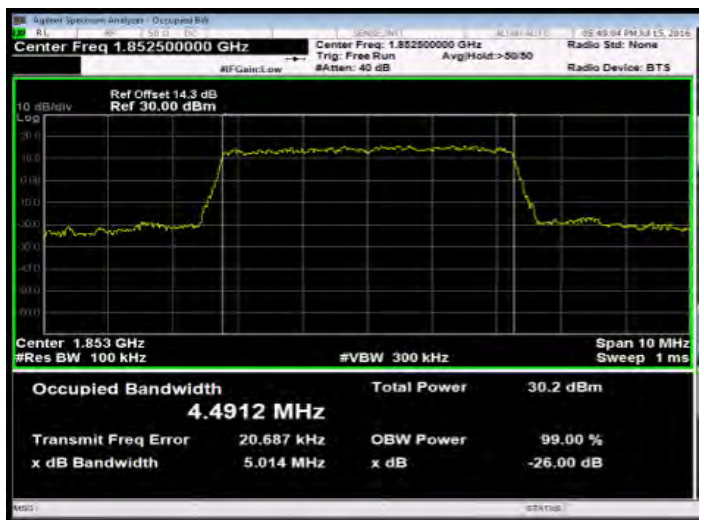
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Band2 5MHz_QPSK 25 0_LowCH18625-1852.5



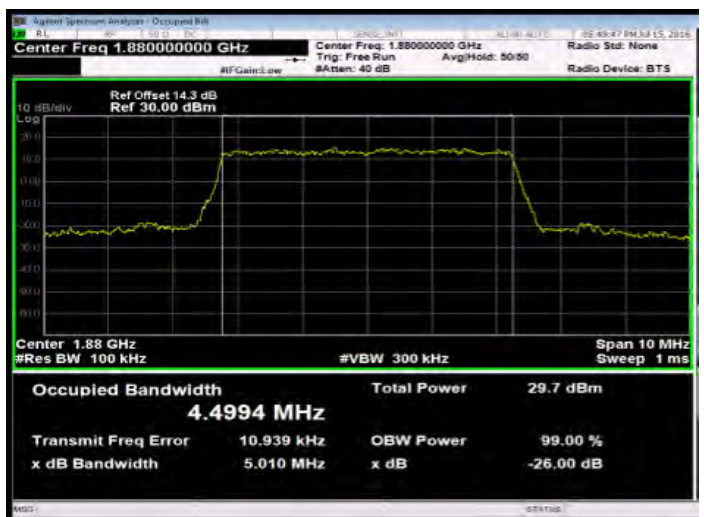
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Band2 5MHz_QPSK 25 0_MidCH18900-1880



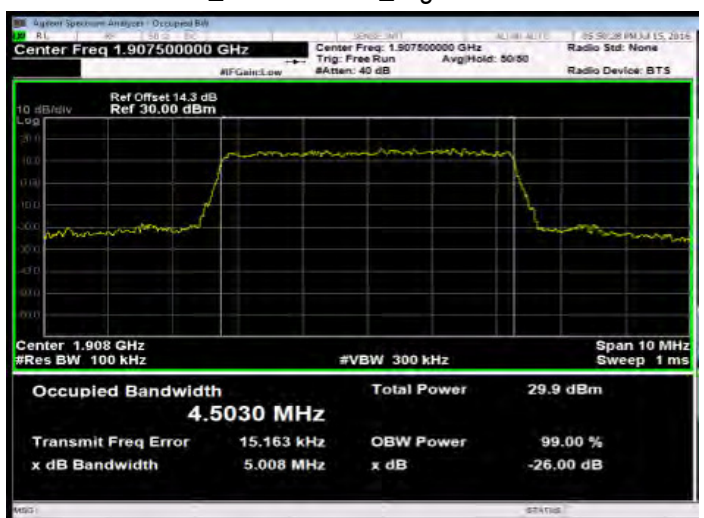
Band2 5MHz_16-QAM 25 0_MidCH18900-1880



Band2 5MHz_QPSK 25 0_HighCH19175-1907.5



Band2 5MHz_16-QAM 25 0_HighCH19175-1907.5



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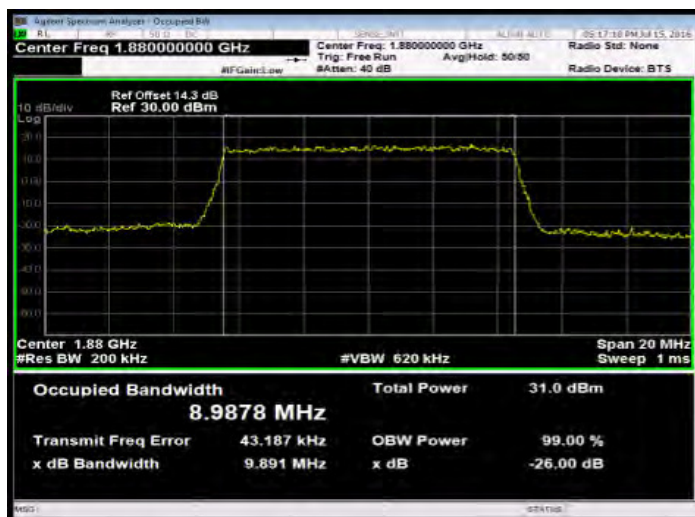
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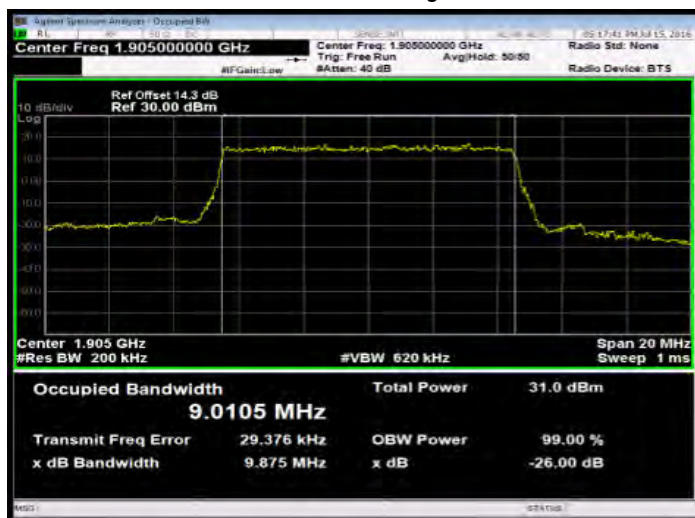
Band2 10MHz_QPSK 50 0_MidCH18900-1880



Band2 10MHz_16-QAM 50 0_MidCH18900-1880



Band2 10MHz_QPSK 50 0_HighCH19150-1905



Band2 10MHz_16-QAM 50 0_HighCH19150-1905



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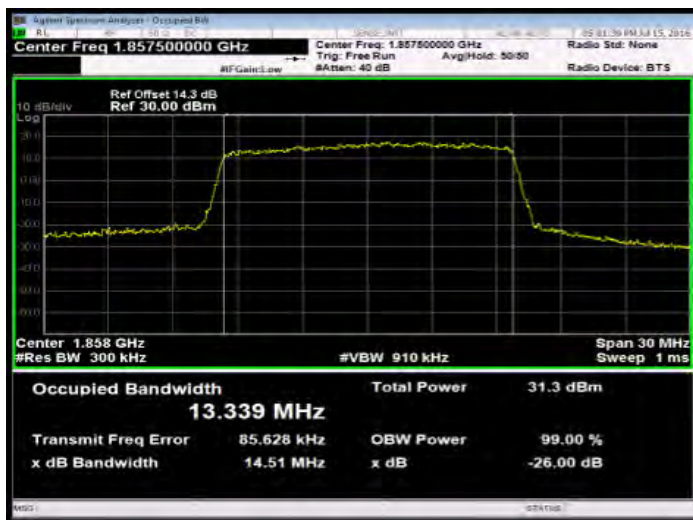
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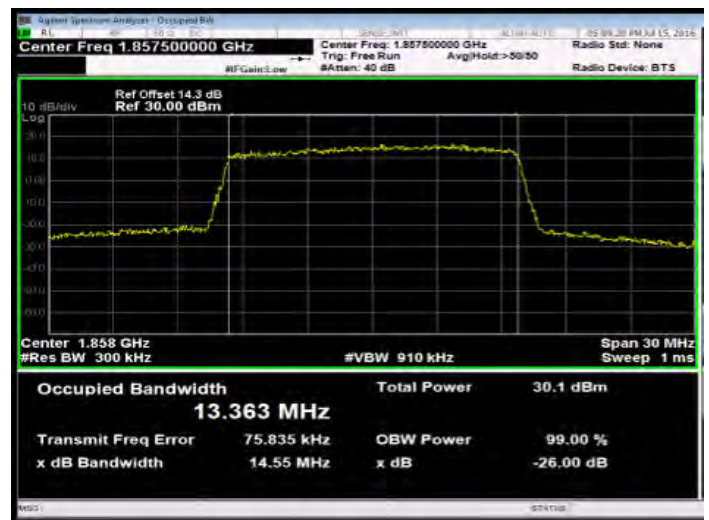
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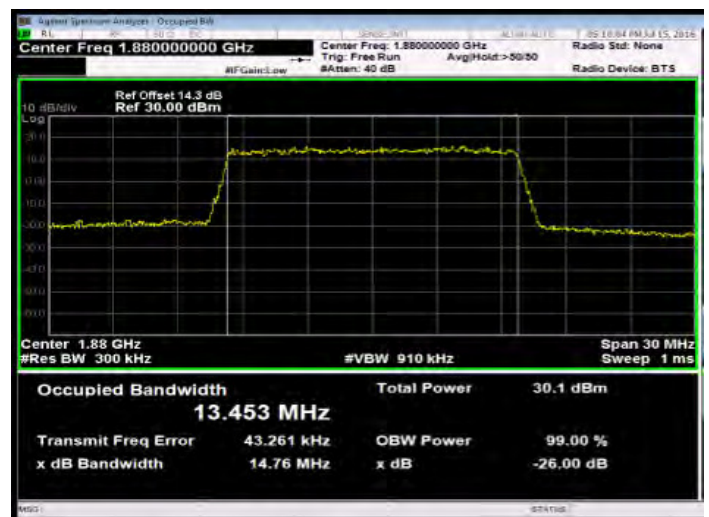
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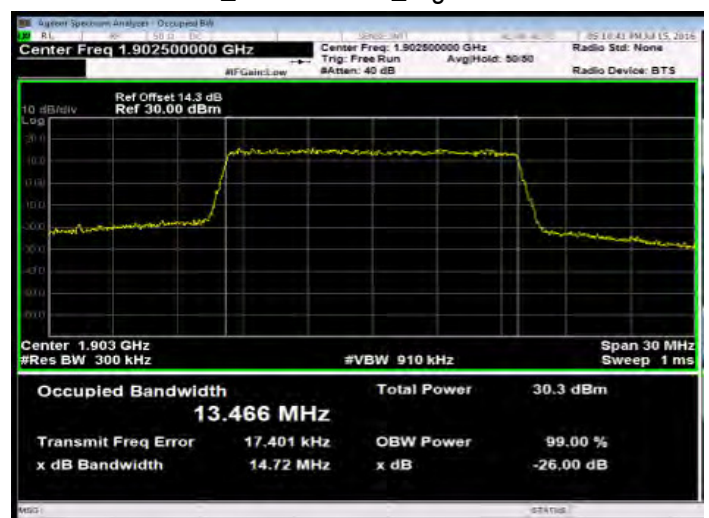
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Band2 15MHz_16-QAM 75 0_HighCH19125-1902.5



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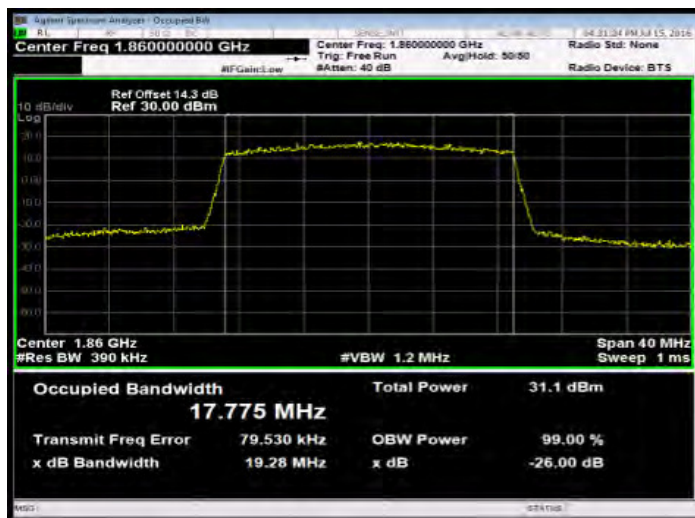
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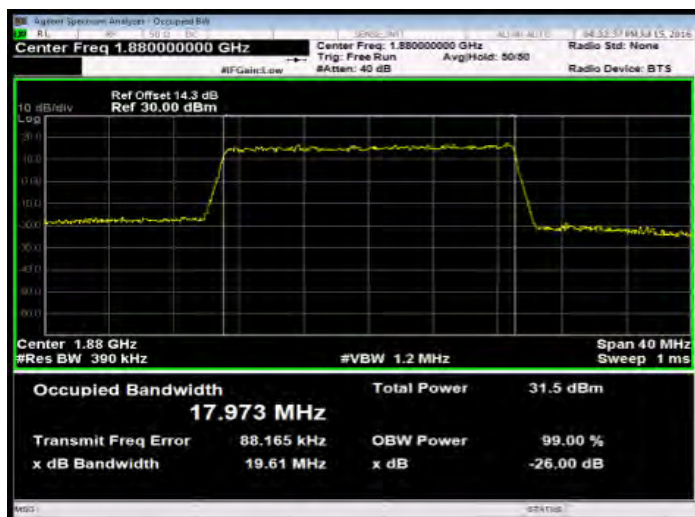
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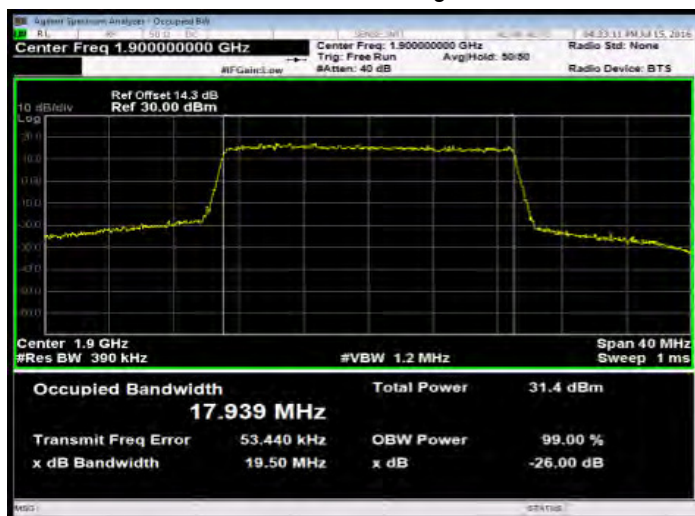
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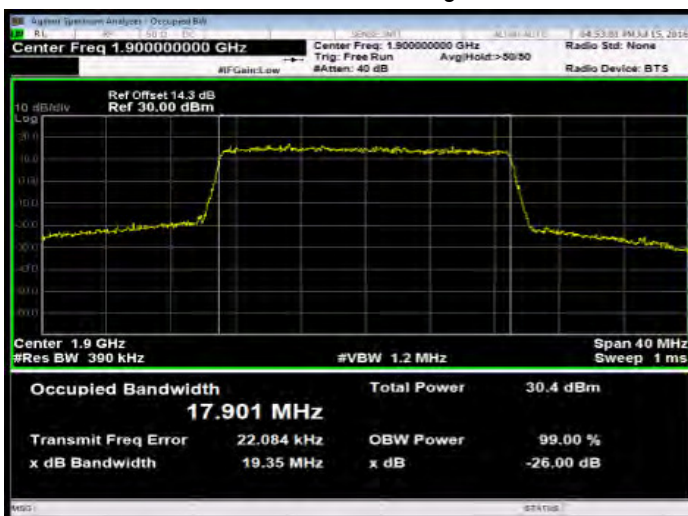
Band2 20MHz_16-QAM 100 0_MidCH18900-1880



Band2 20MHz_QPSK 100 0_HighCH19100-1900



Band2 20MHz_16-QAM 100 0_HighCH19100-1900



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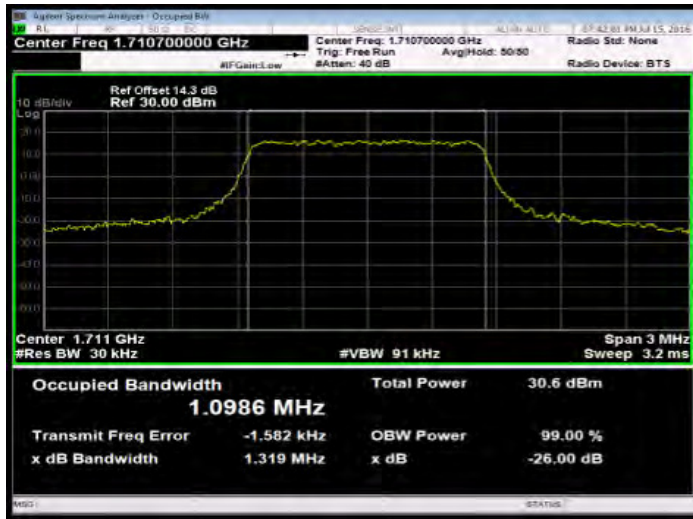
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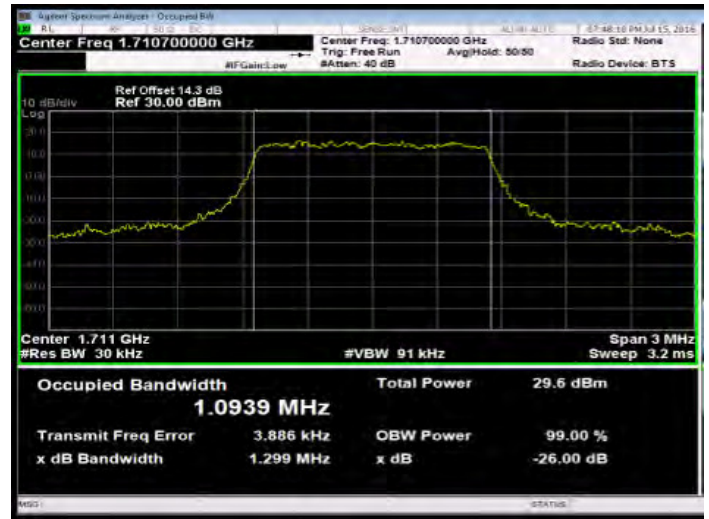
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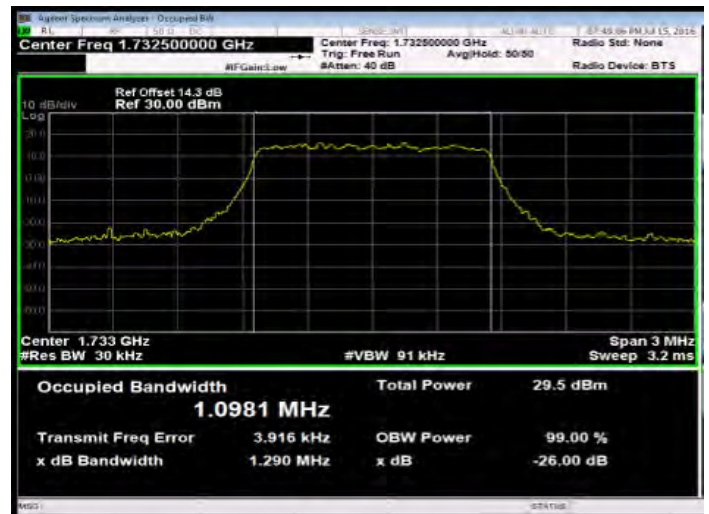
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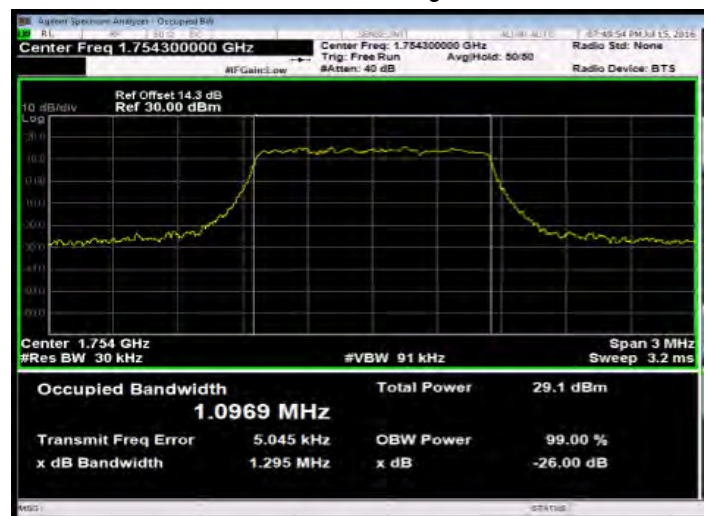
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Band4 1.4MHz_QPSK 6 0_HighCH20393-1754.3



Band4 1.4MHz_16-QAM 6 0_HighCH20393-1754.3



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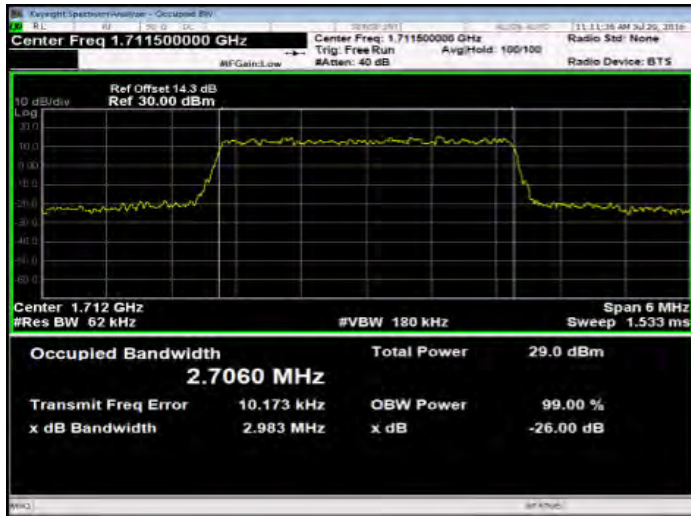
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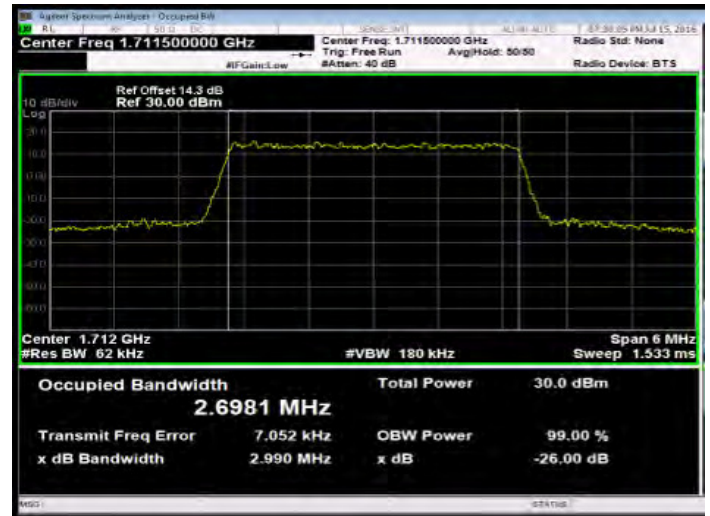
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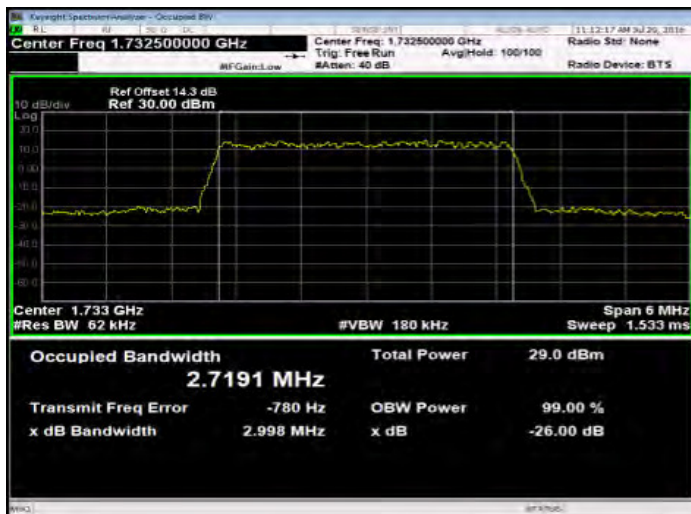
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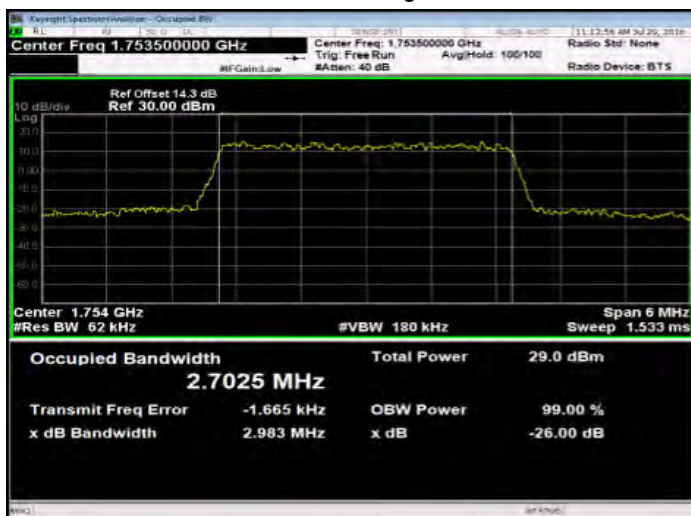
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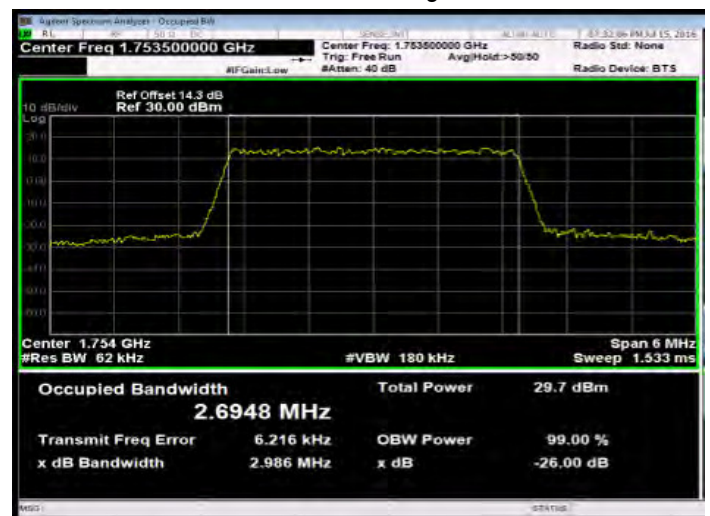
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Band4 3MHz_QPSK 15 0_High CH20385-1753.5



Band4 3MHz_16-QAM 15 0_HighCH20385-1753.5



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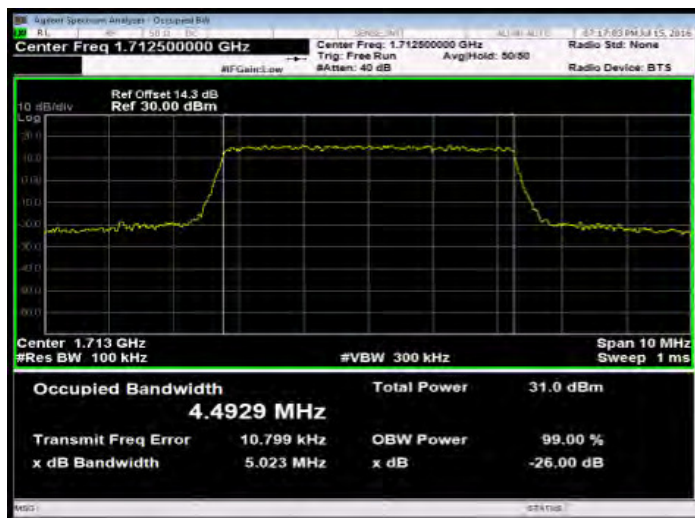
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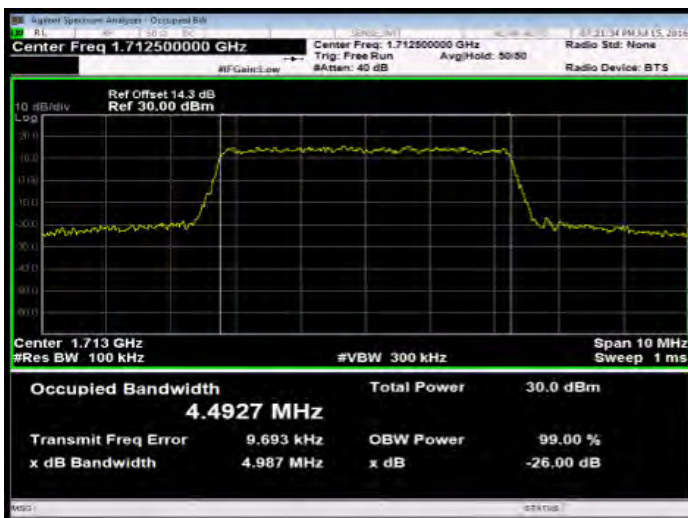
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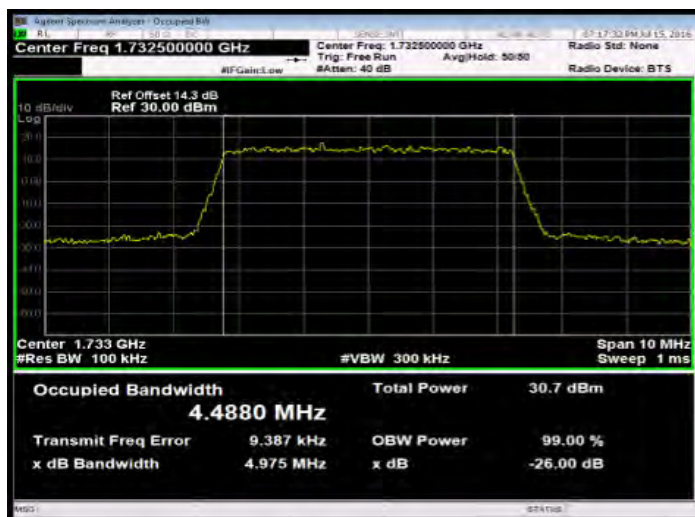
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Band4 5MHz_QPSK 25 0_MidCH20175-1732.5



Band4 5MHz_16-QAM 25 0_MidCH20175-1732.5



Band4 5MHz_QPSK 25 0_HighCH20375-1752.5



Band4 5MHz_16-QAM 25 0_HighCH20375-1752.5



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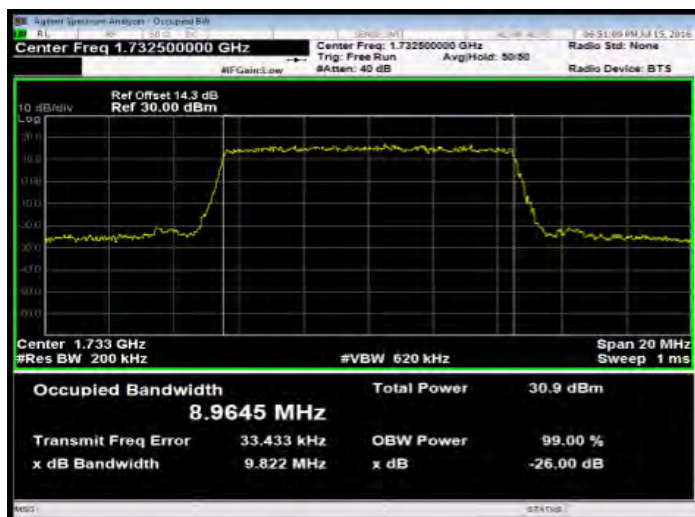
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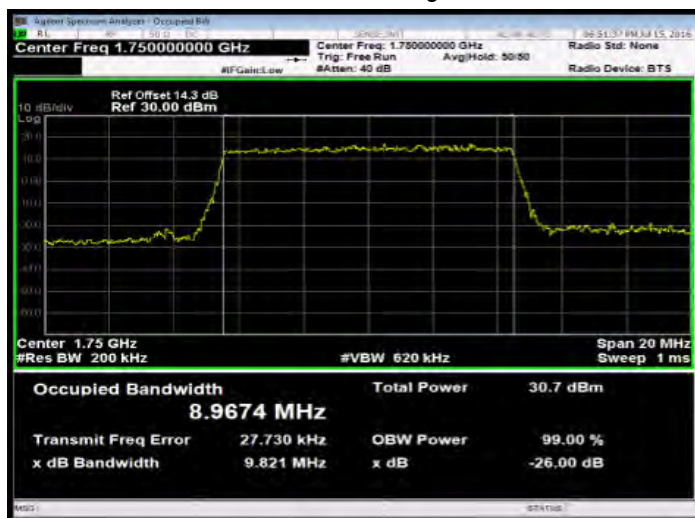
Band4 10MHz_QPSK 50 0_MidCH20175-1732.5



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Band4 10MHz_QPSK 50 0_HighCH20350-1750



Band4 10MHz_16-QAM 50 0_HighCH20350-1750



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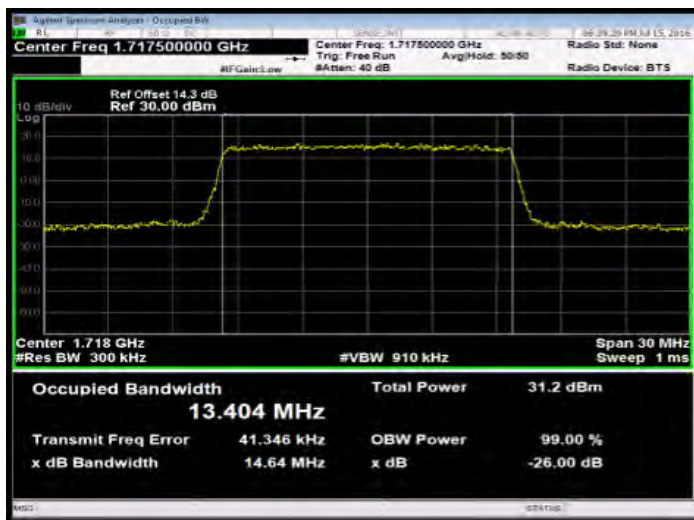
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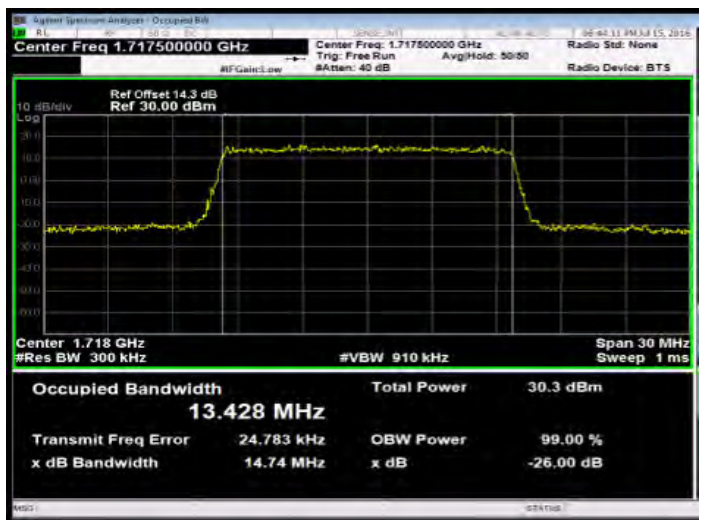
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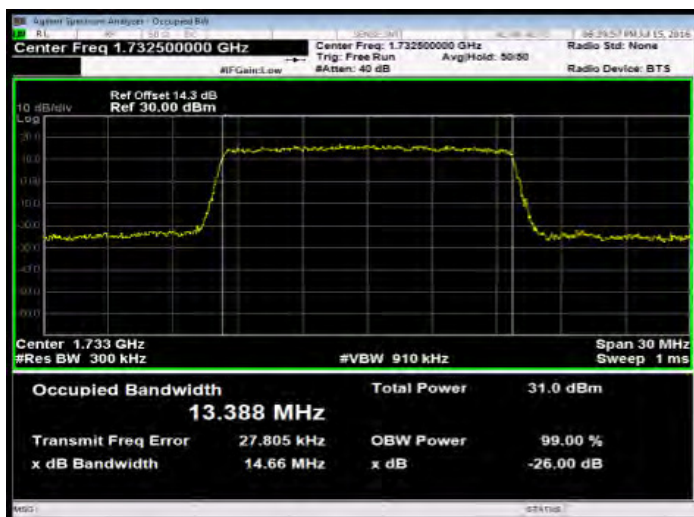
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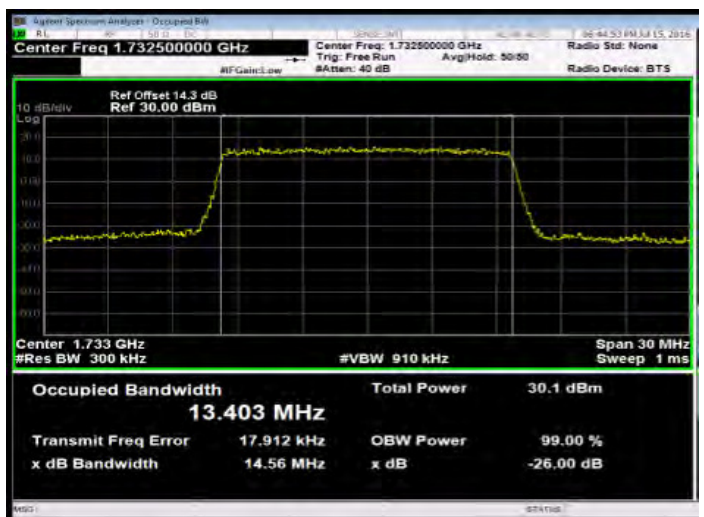
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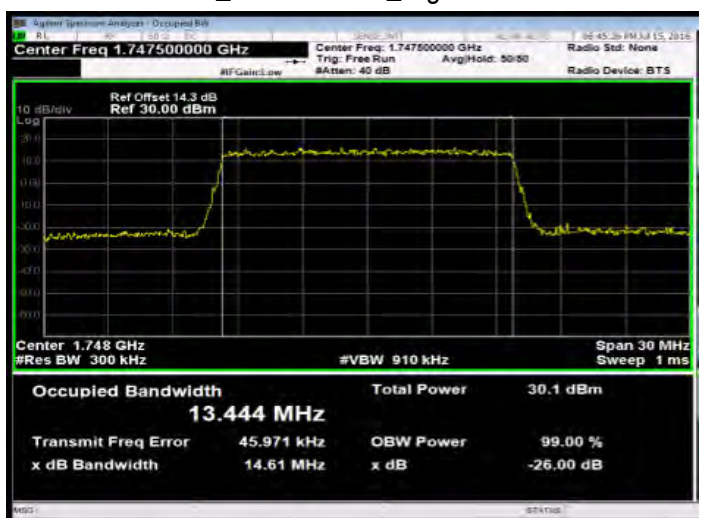
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Band4 15MHz_QPSK 75 0_HighCH20325-1747.5



Band4 15MHz_16-QAM 75 0_HighCH20325-1747.5



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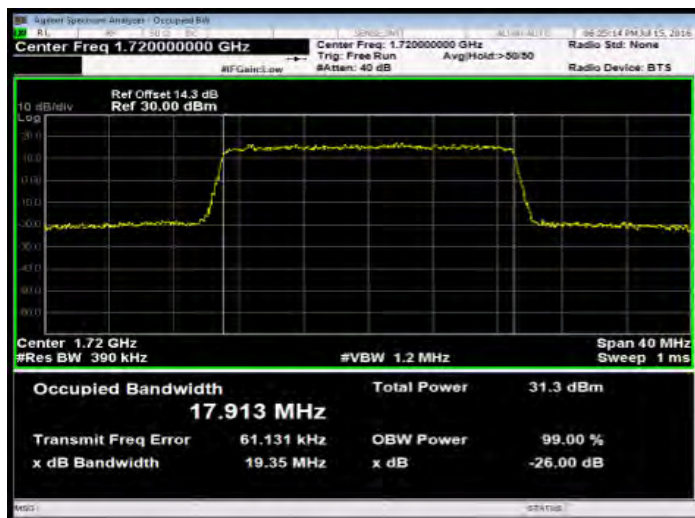
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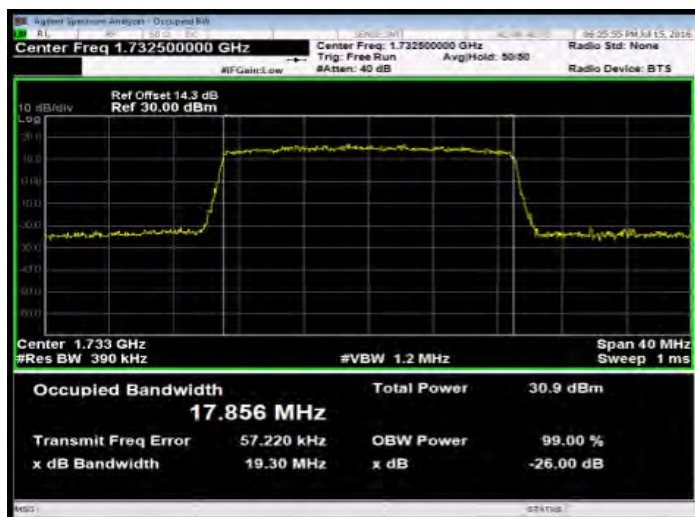
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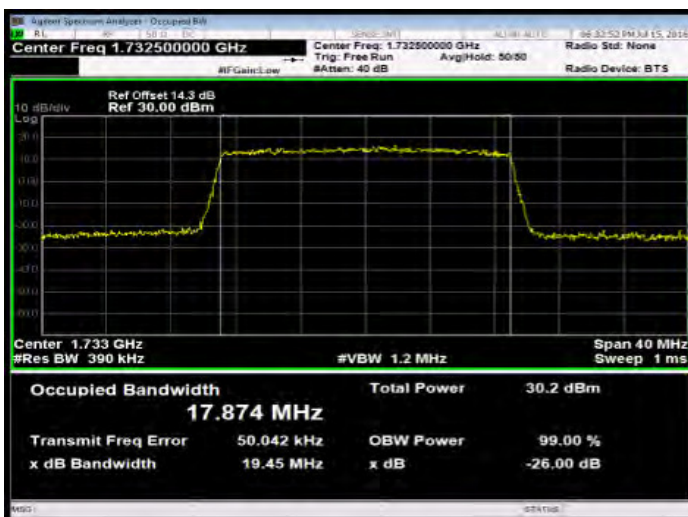
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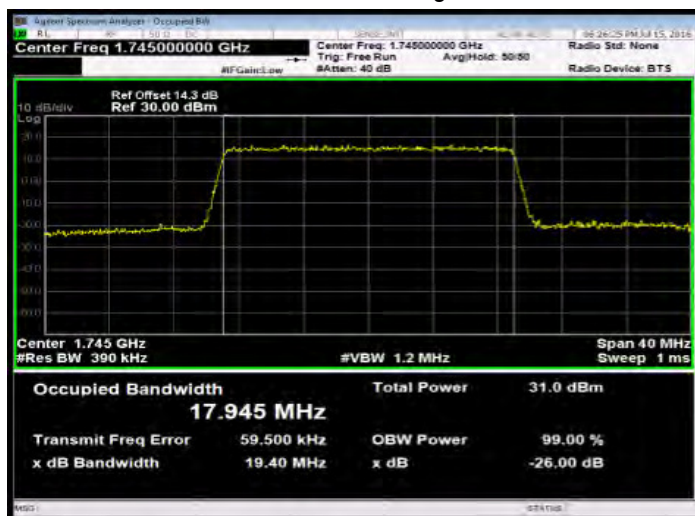
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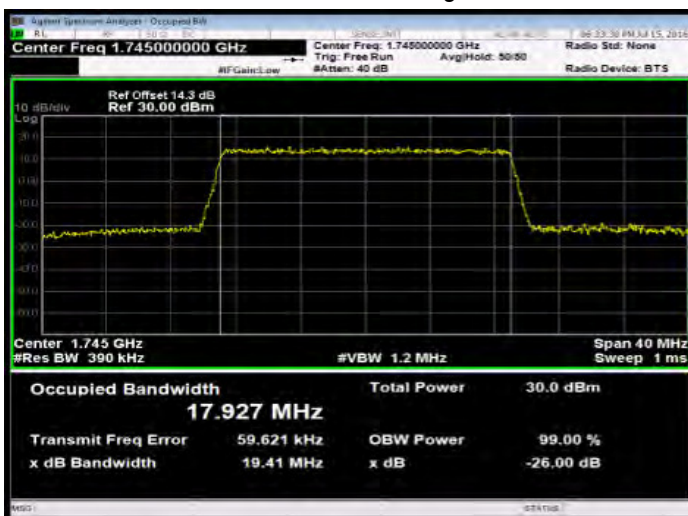
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Band4 20MHz_QPSK 100 0_HighCH20300-1745



Band4 20MHz_16-QAM 100 0_HighCH20300-1745



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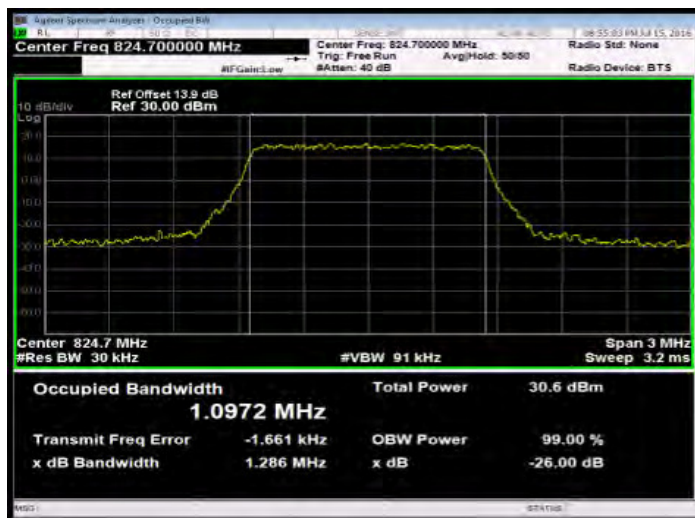
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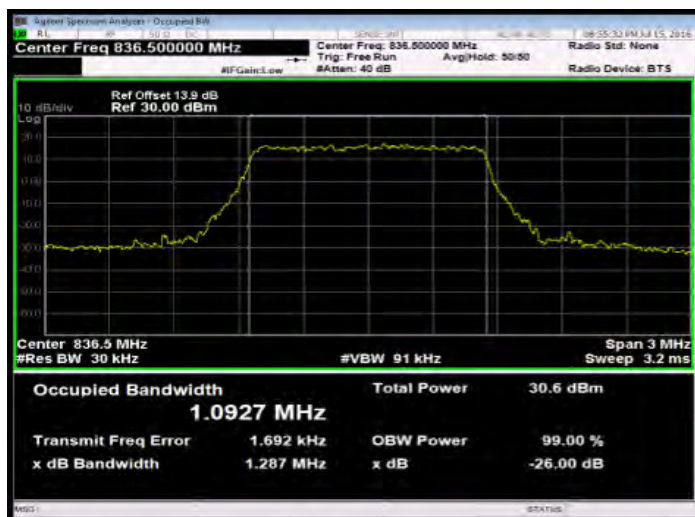
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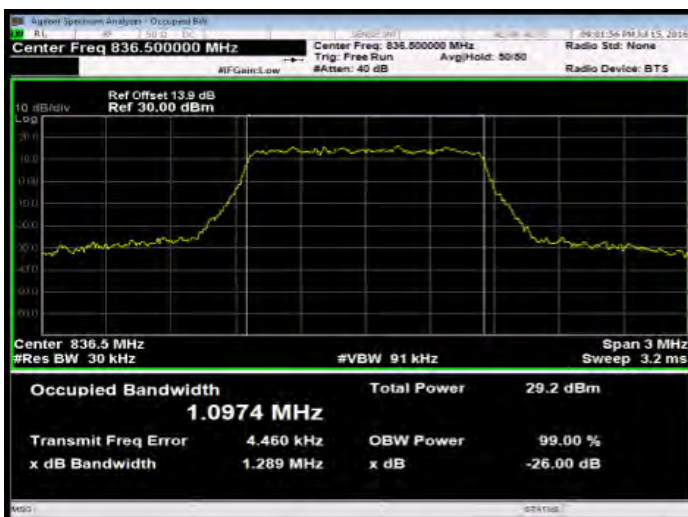
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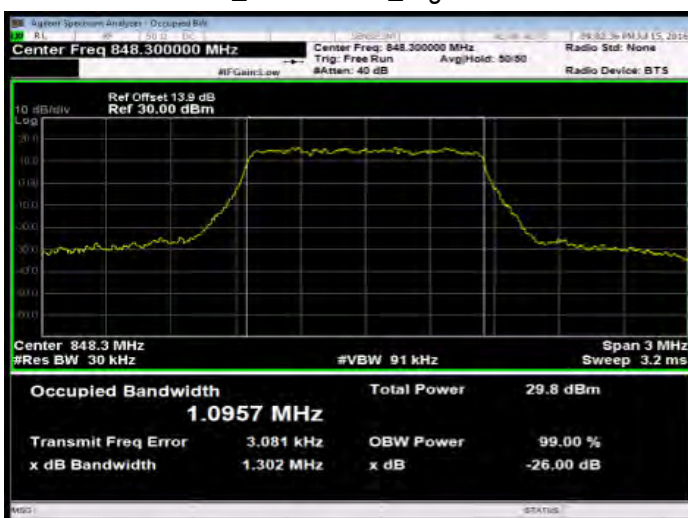
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Band5 1.4MHz_QPSK 6 0_HighCH20643-848.3



Band5 1.4MHz_16-QAM 6 0_HighCH20643-848.3



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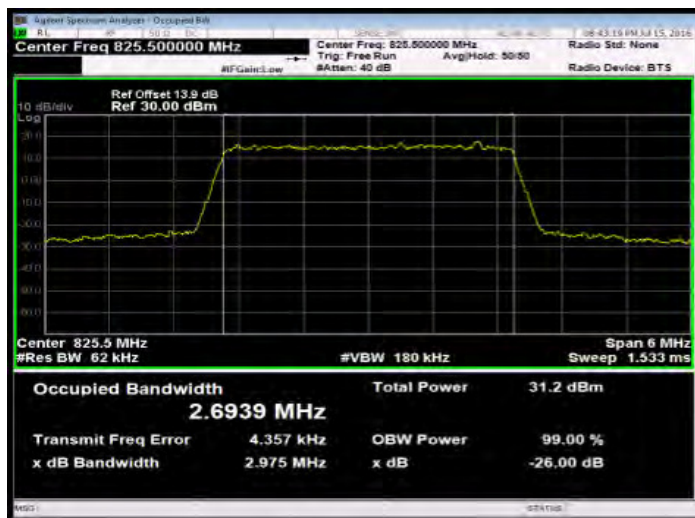
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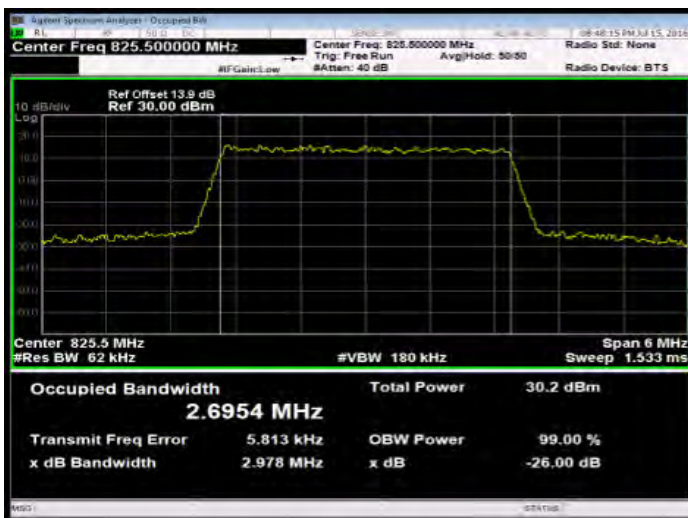
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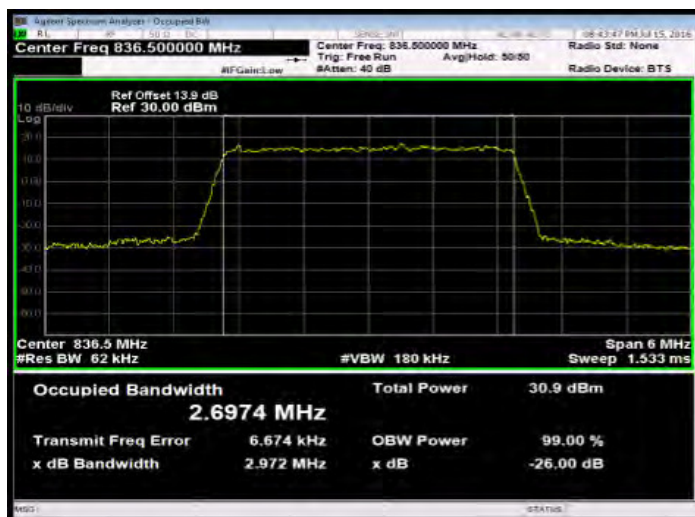
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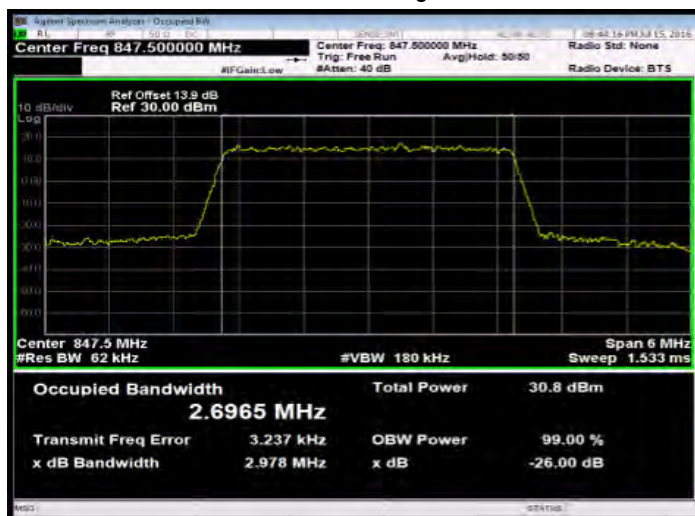
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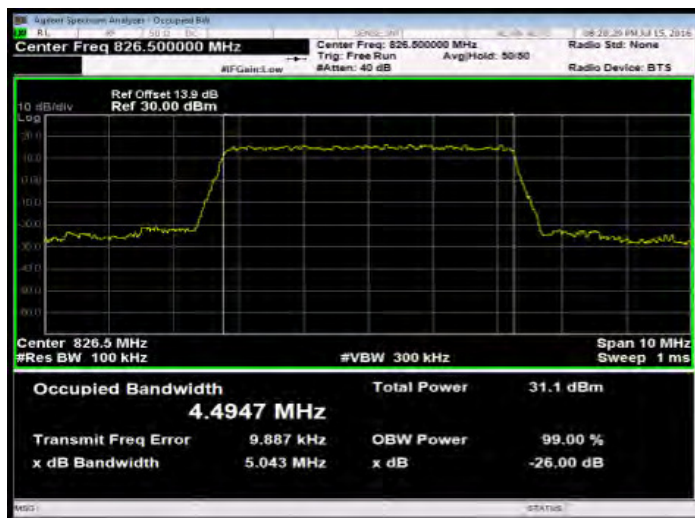
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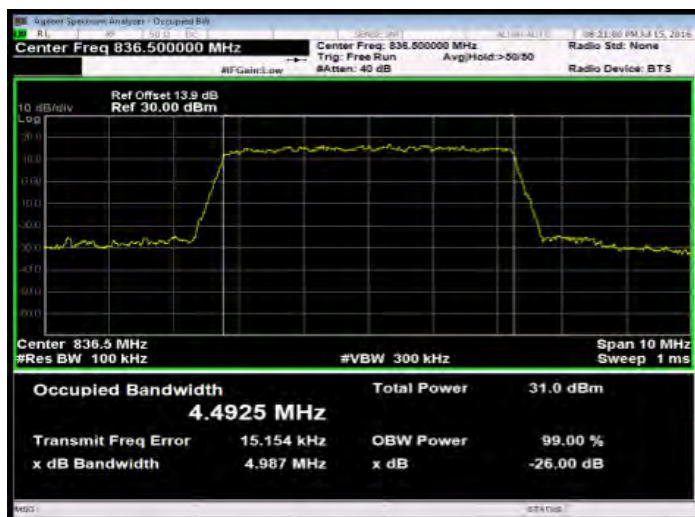
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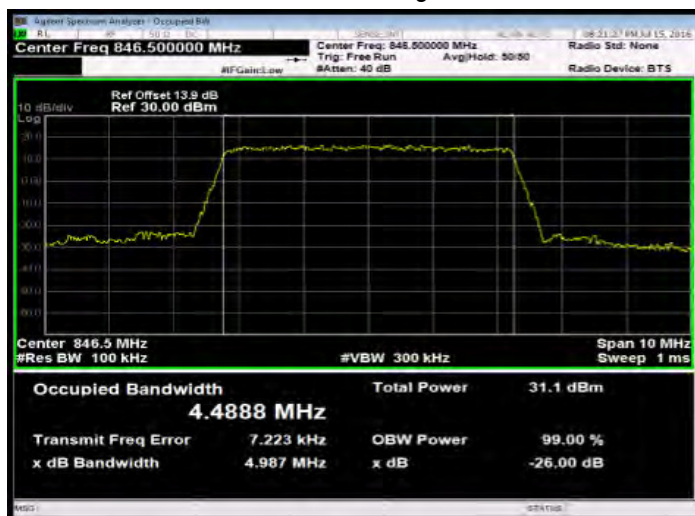
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Band5 5MHz_16-QAM 25 0_HighCH20625-846.5



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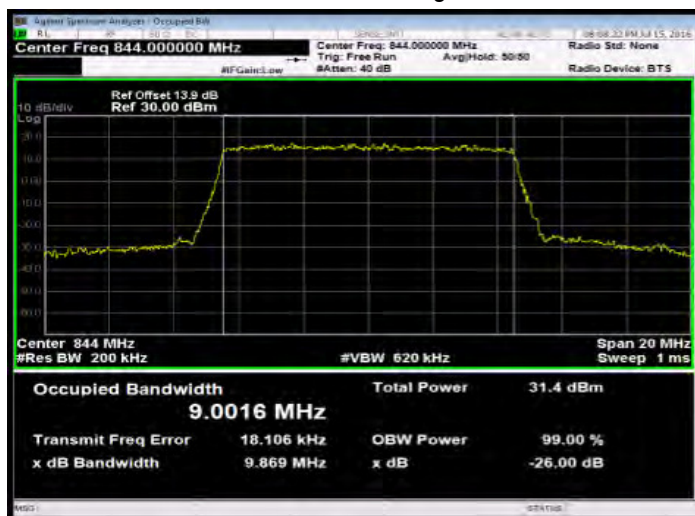
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Band5 10MHz_QPSK 50 0_HighCH20600-844



Band5 10MHz_16-QAM 50 0_HighCH20600-844



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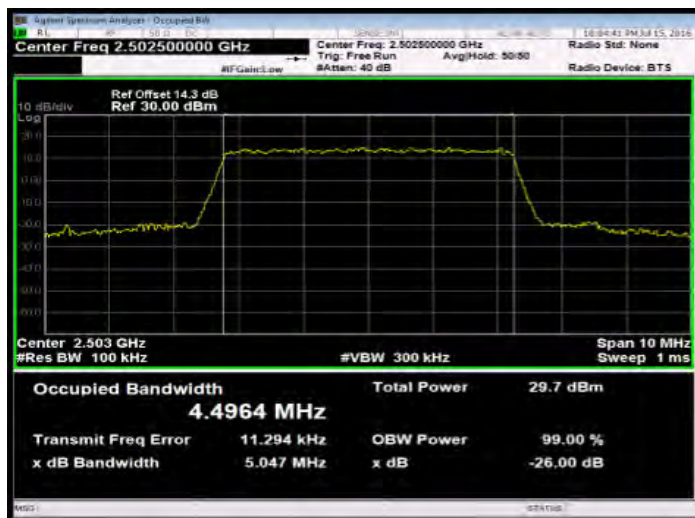
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Band7 5MHz_QPSK 25 0_LowCH20775-2502.5



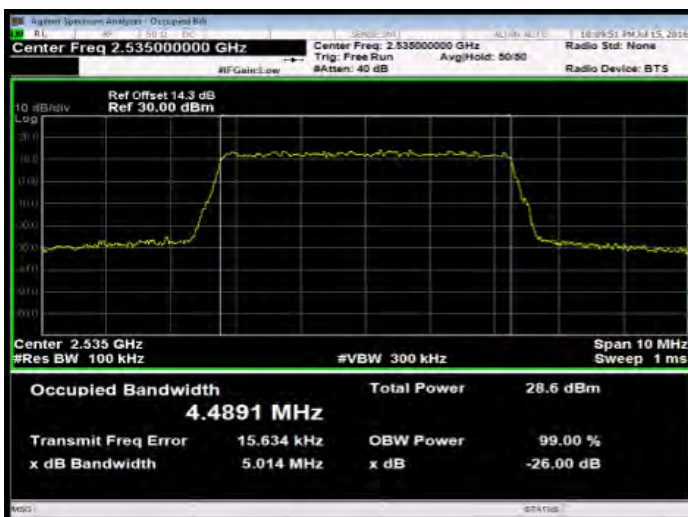
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Band7 5MHz_QPSK 25 0_MidCH21100-2535



Band7 5MHz_16-QAM 25 0_MidCH21100-2535



Band7 5MHz_QPSK 25 0_HighCH21425-2567.5



Band7 5MHz_16-QAM 25 0_HighCH21425-2567.5



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Band7 10MHz_QPSK 50 0_LowCH20800-2505



Band7 10MHz_16-QAM 50 0_LowCH20800-2505



Band7 10MHz_QPSK 50 0_MidCH21100-2535



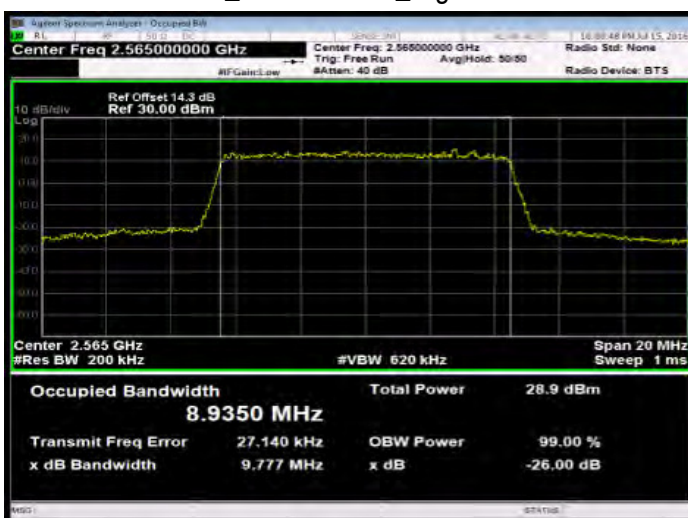
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Band7 10MHz_QPSK 50 0_HighCH21400-2565



Band7 10MHz_16-QAM 50 0_HighCH21400-2565



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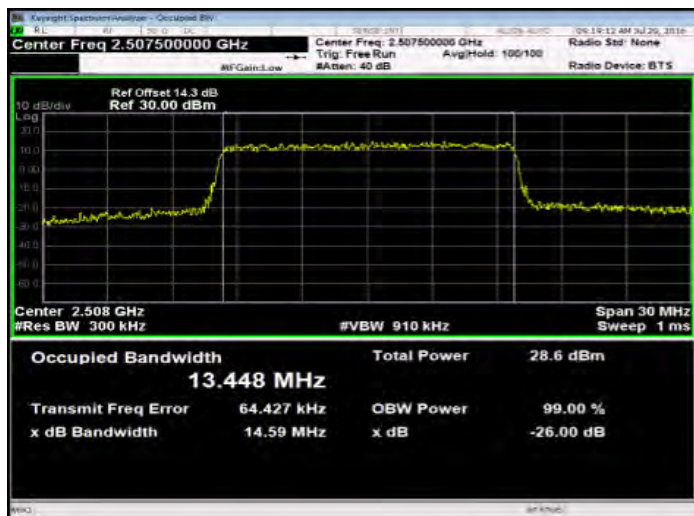
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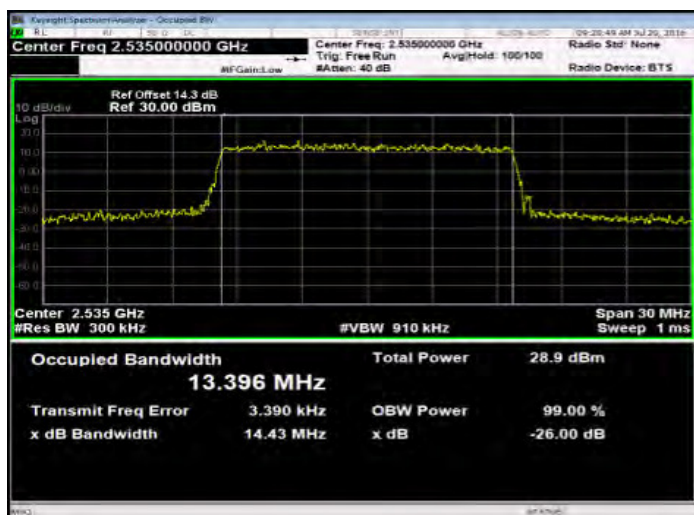
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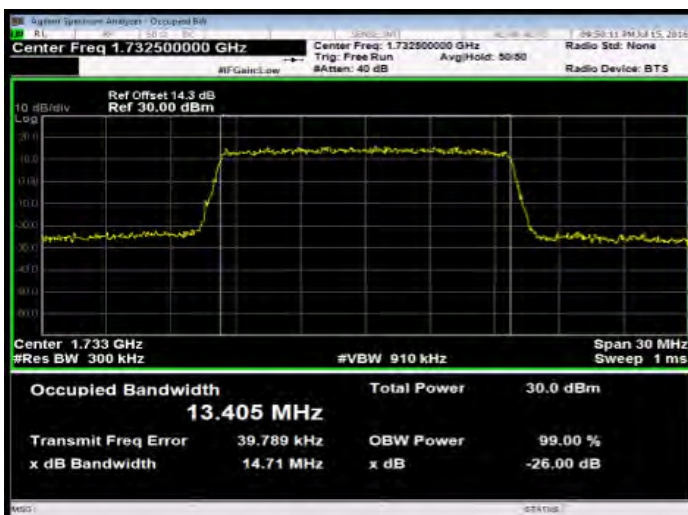
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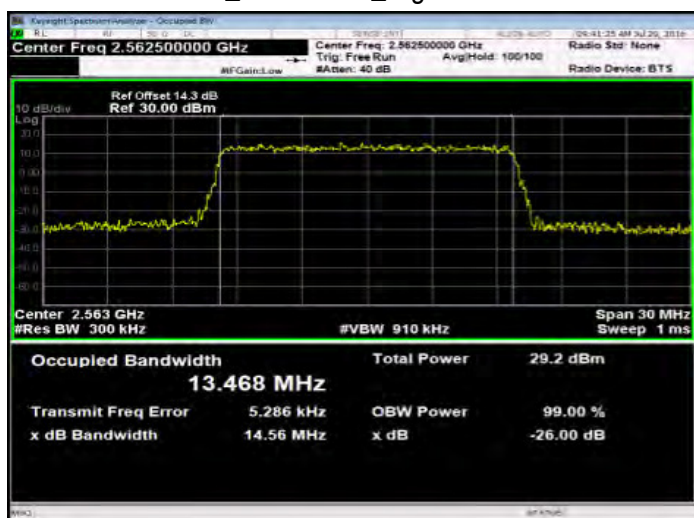
Band7 15MHz_QPSK 75 0_Mid CH21100-2535



Band7 15MHz_16-QAM 75 0_MidCH20175-1732.5



Band7 15MHz_QPSK 75 0_High CH21375-2562.5



Band7 15MHz_16-QAM 75 0_HighCH21375-2562.5



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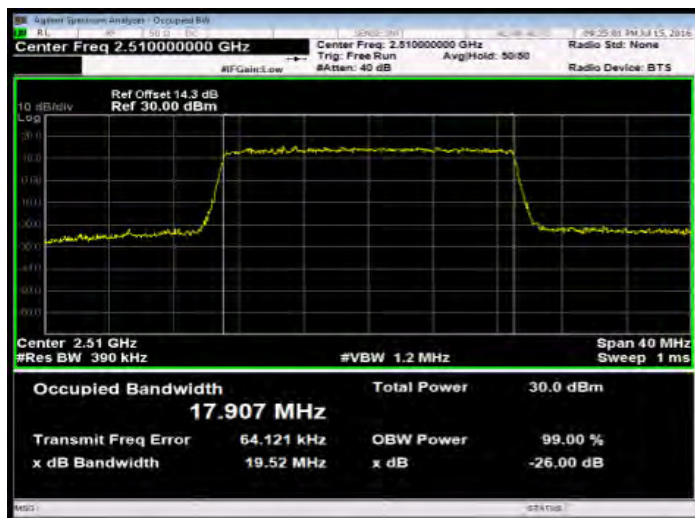
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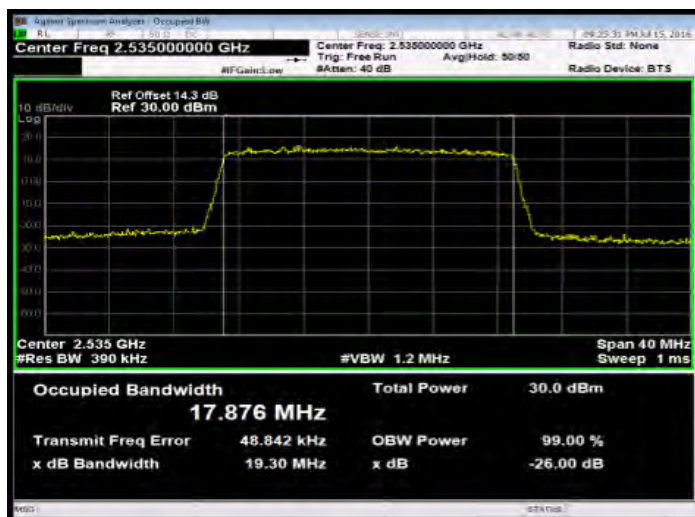
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Band7 20MHz_16-QAM 100 0_LowCH20850-2510



Band7 20MHz_QPSK 100 0_MidCH21100-2535



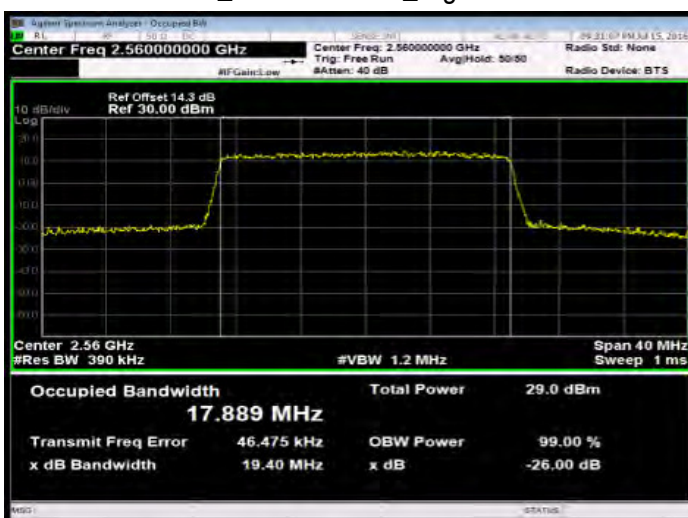
Band7 20MHz_16-QAM 100 0_MidCH21100-2535



Band7 20MHz_QPSK 100 0_HighCH21350-2560



Band7 20MHz_16-QAM 100 0_HighCH21350-2560



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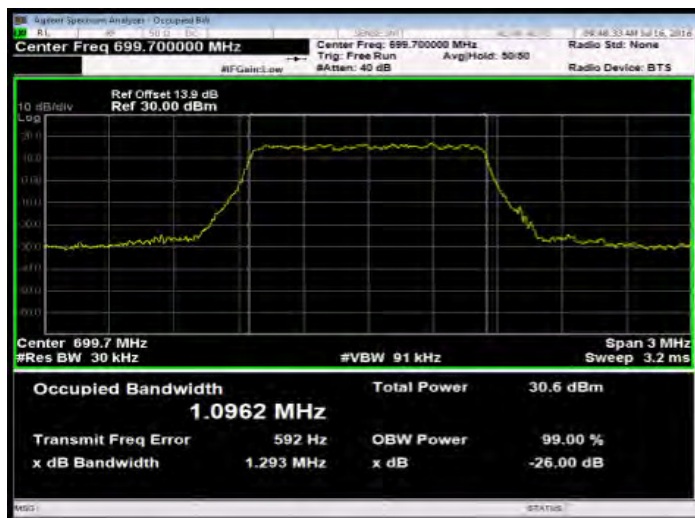
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Band12 1.4MHz_QPSK 6 0_LowCH23017-699.7



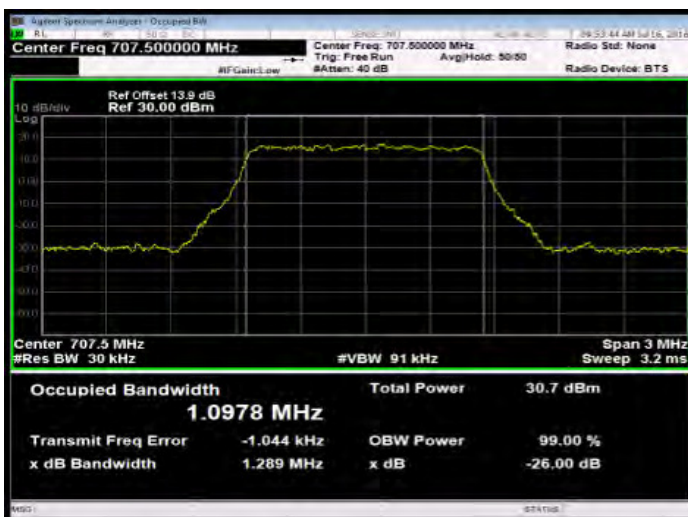
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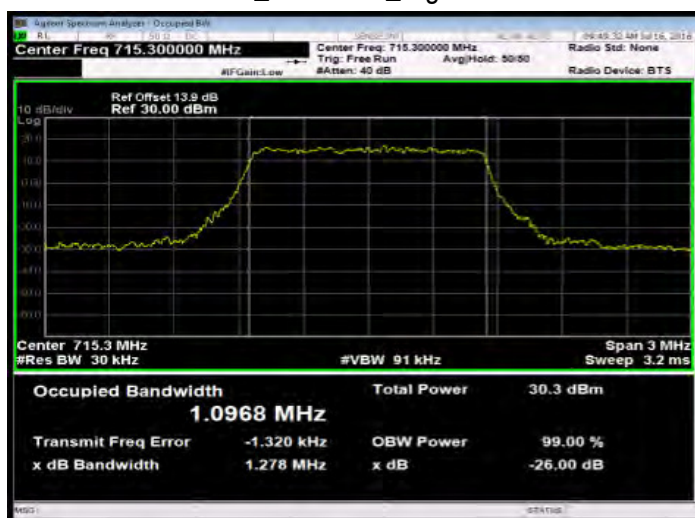
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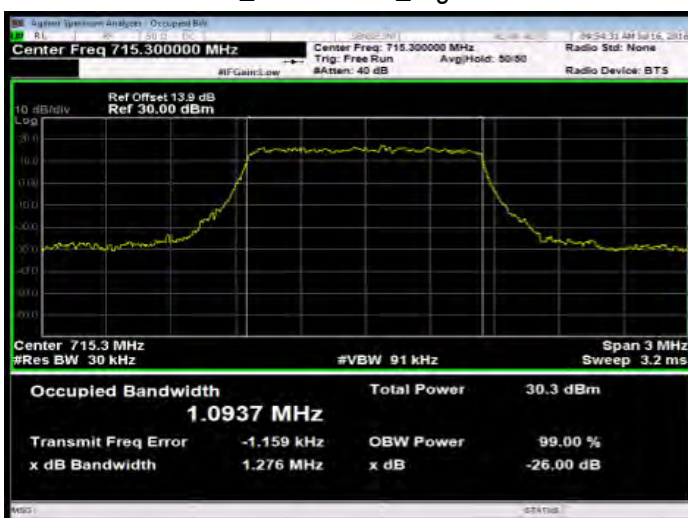
Band12 1.4MHz_16-QAM 6 0_MidCH23095-707.5



Band12 1.4MHz_QPSK 6 0_HighCH23173-715.3



Band12 1.4MHz_16-QAM 6 0_HighCH23173-715.3



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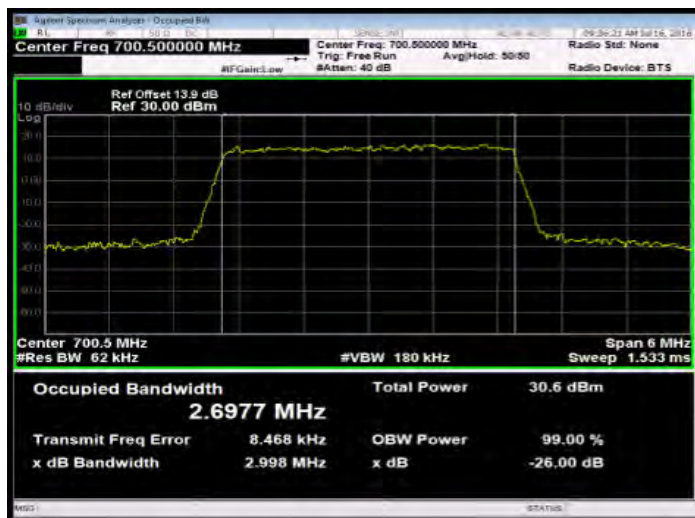
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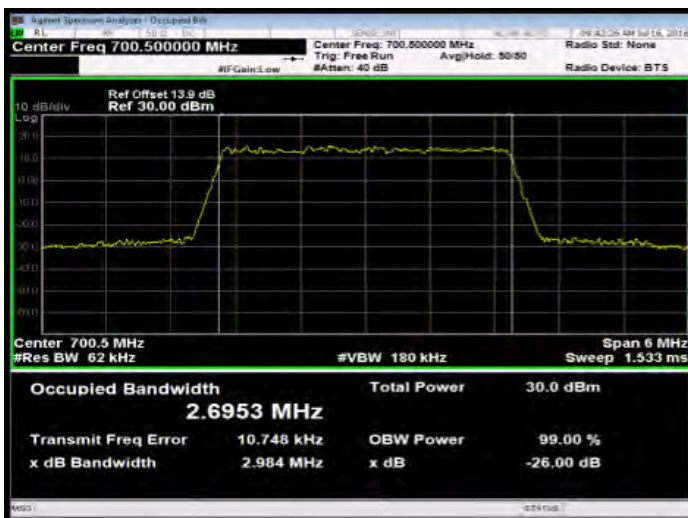
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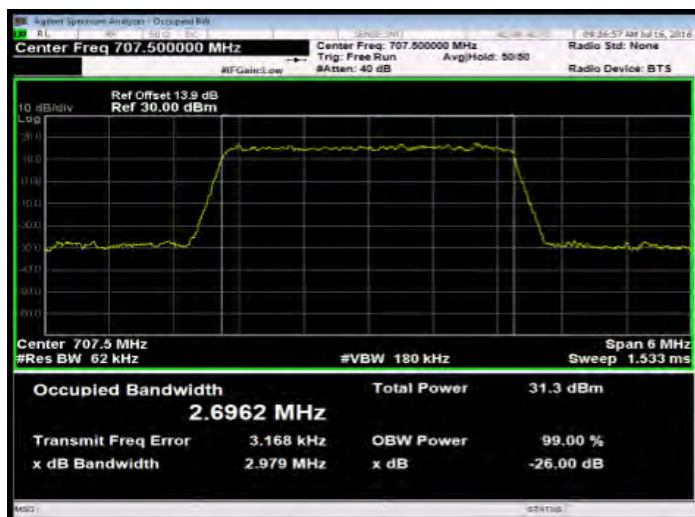
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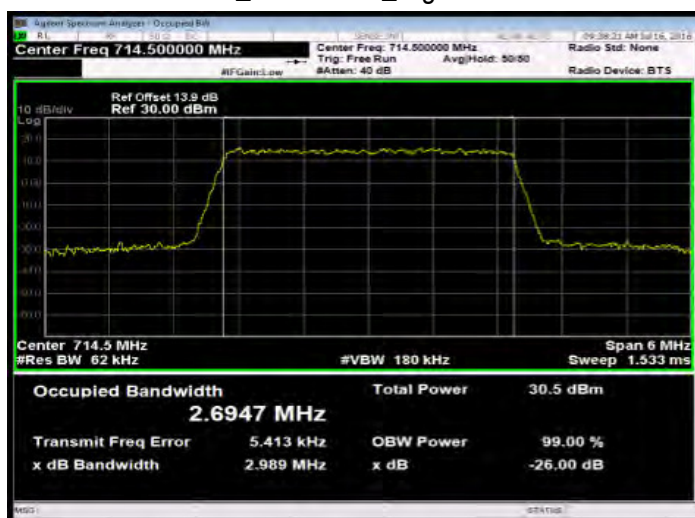
Band12 3MHz_QPSK 15 0_MidCH23095-707.5



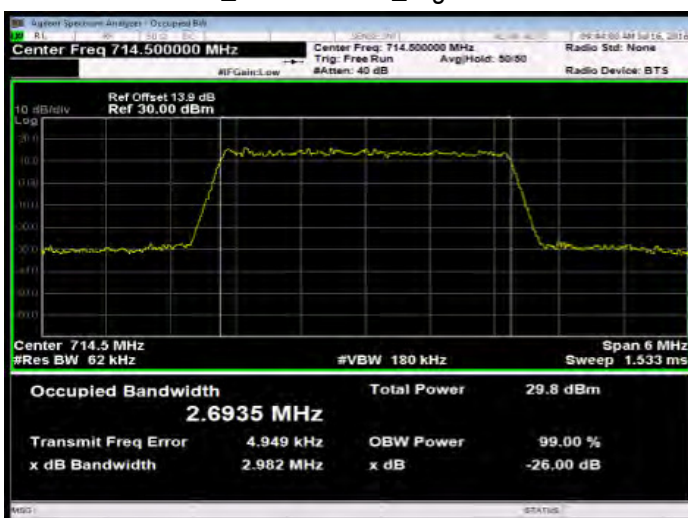
Band12 3MHz_16-QAM 15 0_MidCH23095-707.5



Band12 3MHz_QPSK 15 0_HighCH23165-714.5



Band12 3MHz_16-QAM 15 0_HighCH23165-714.5



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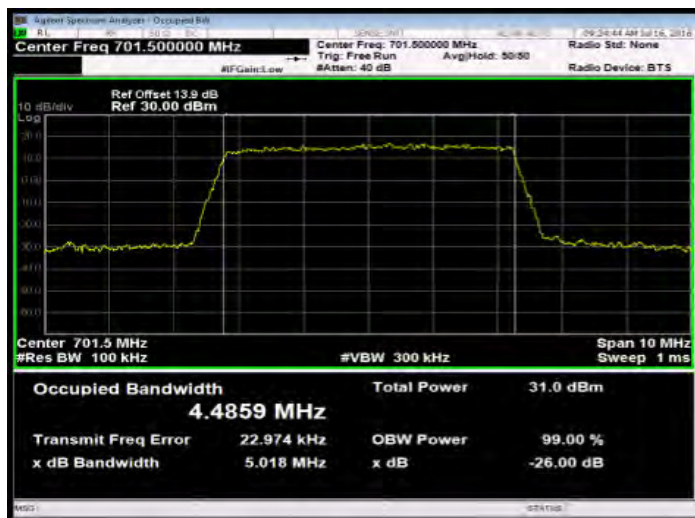
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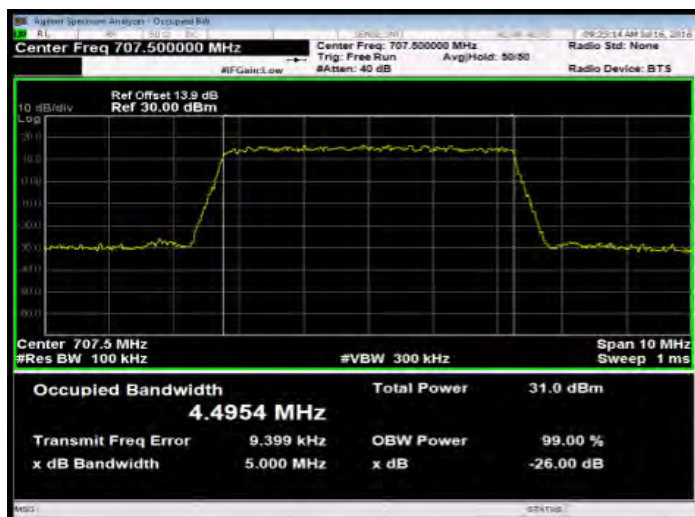
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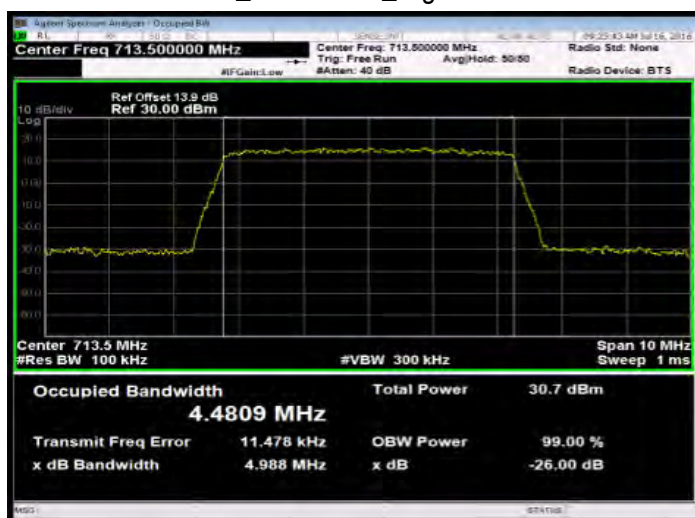
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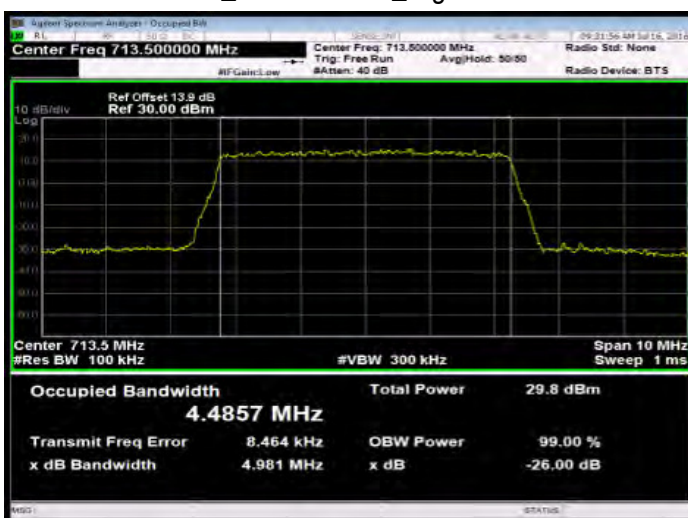
Band12 5MHz_16-QAM 25 0_MidCH23095-707.5



Band12 5MHz_QPSK 25 0_HighCH23155-713.5



Band12 5MHz_16-QAM 25 0_HighCH23155-713.5



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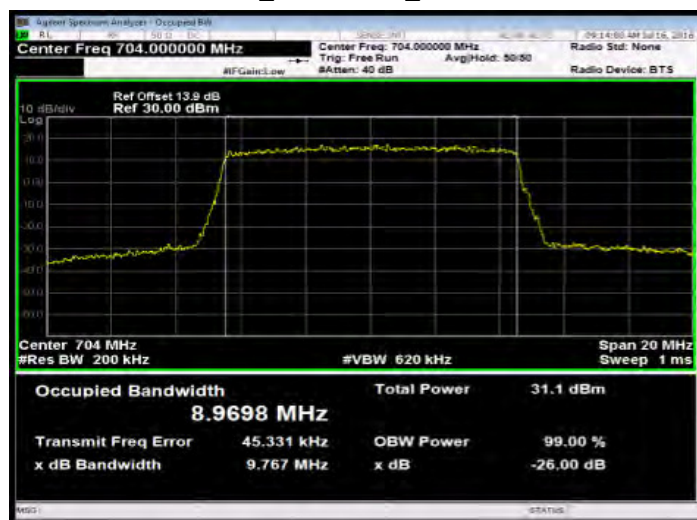
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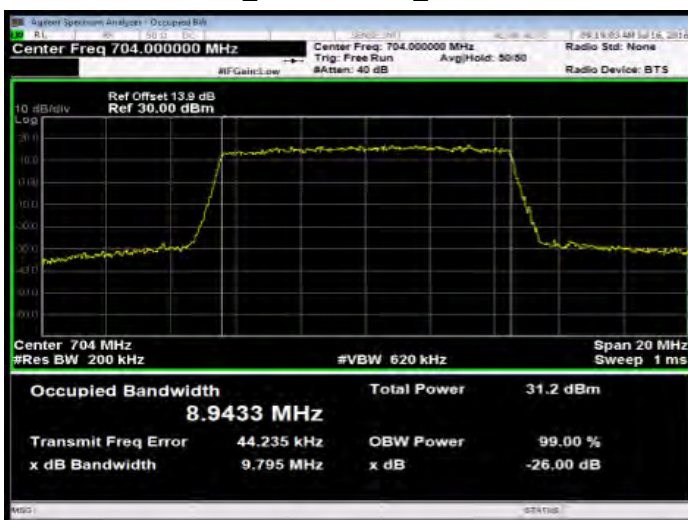
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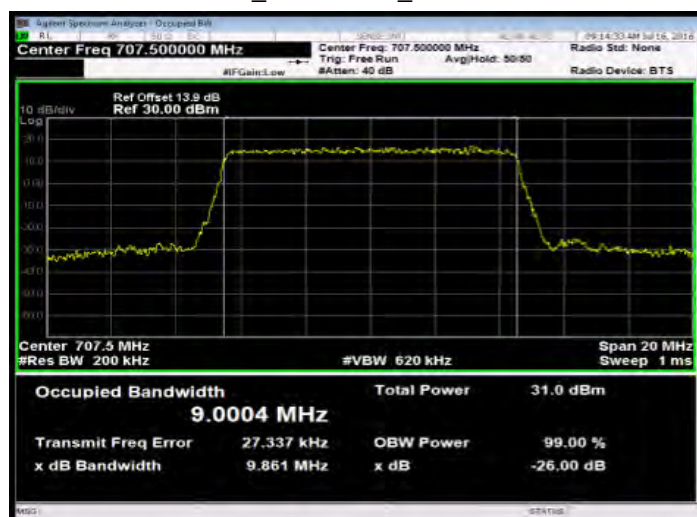
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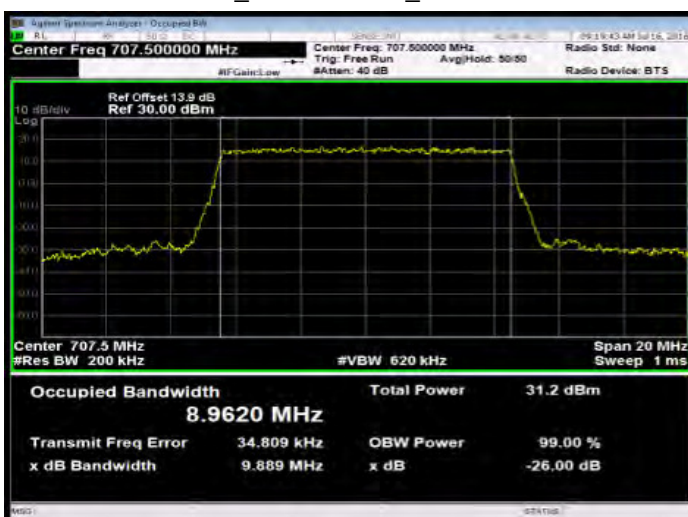
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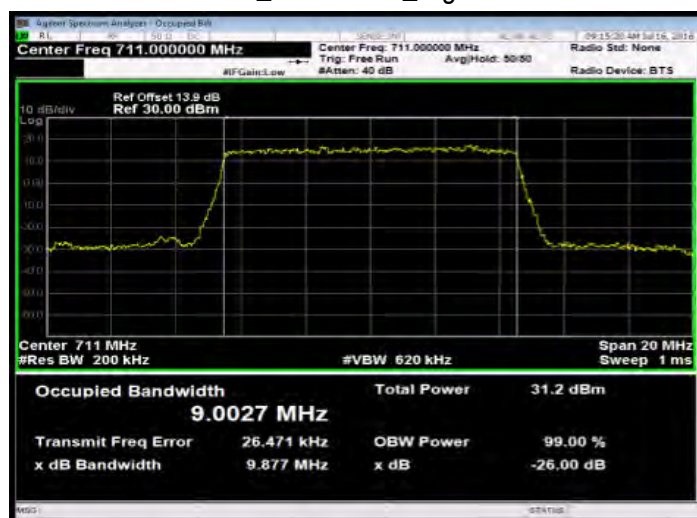
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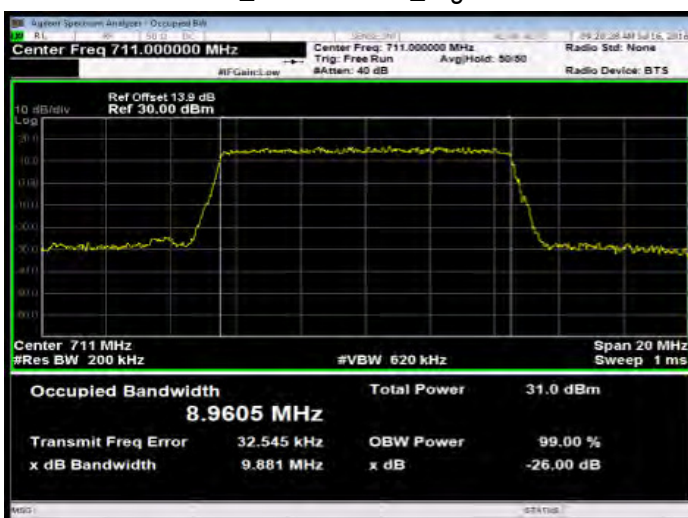
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Band12 10MHz_QPSK 50 0_HighCH23130-711



Band12 10MHz_16-QAM 50 0_HighCH23130-711



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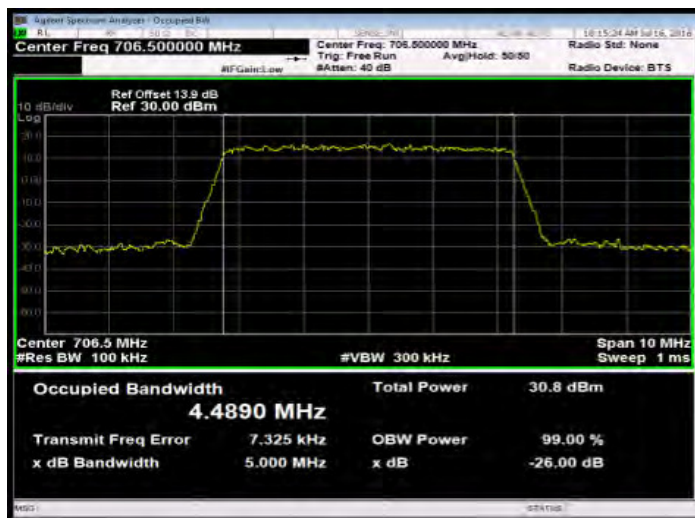
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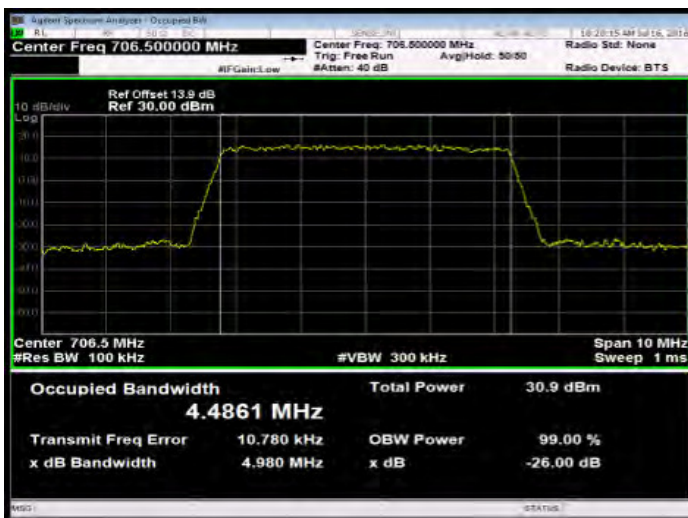
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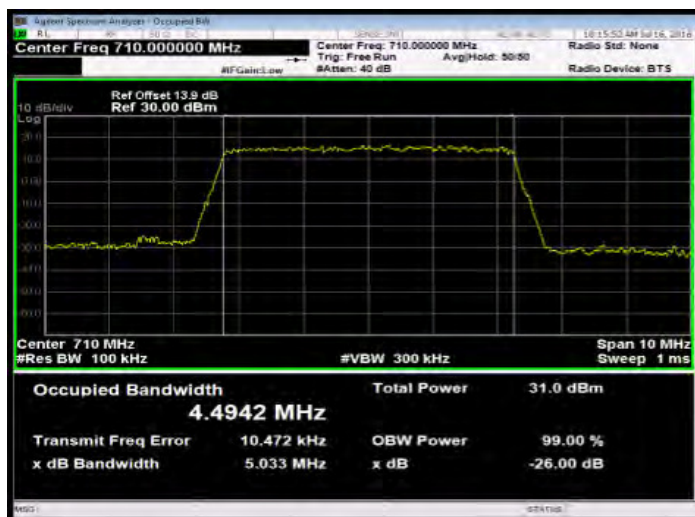
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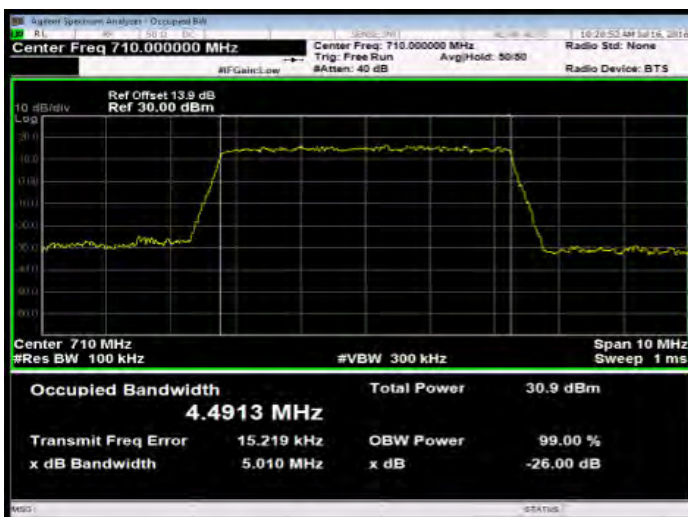
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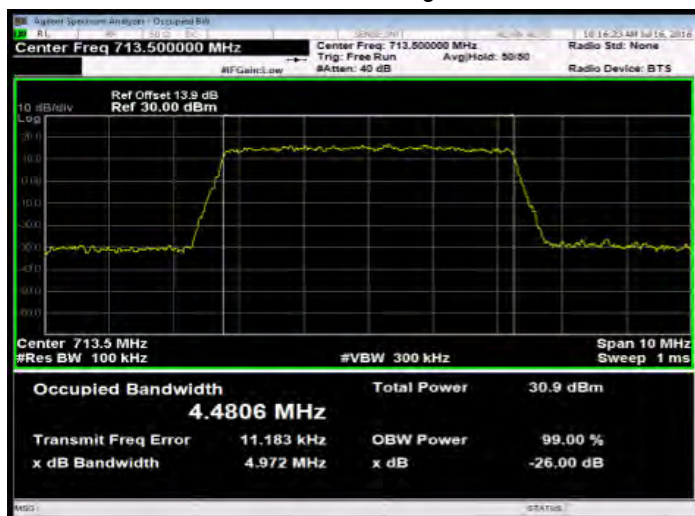
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Band17 5MHz_QPSK 25 0_HighCH23825-713.5



Band17 5MHz_16-QAM 25 0_HighCH23825-713.5



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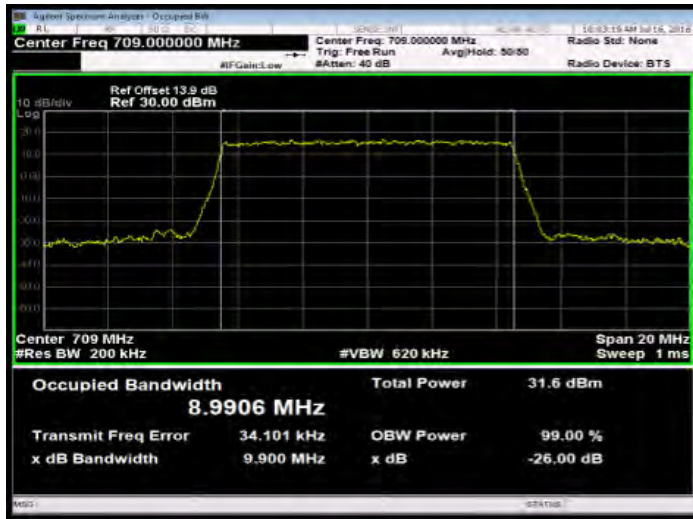
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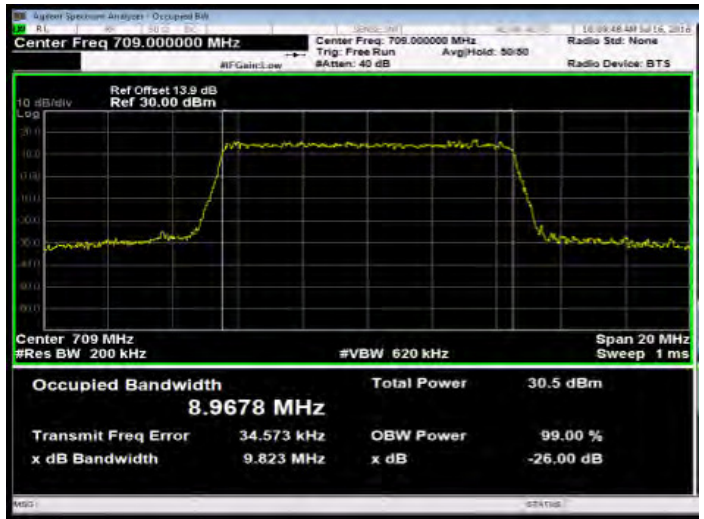
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Band17 10MHz_QPSK 50 0_LowCH23780-709



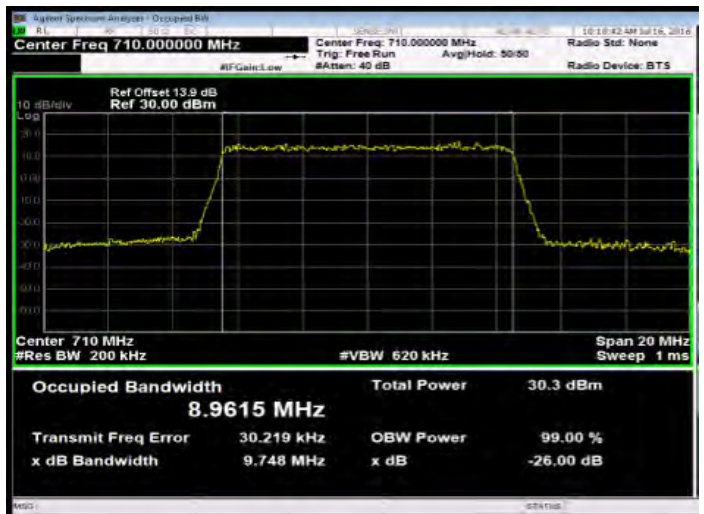
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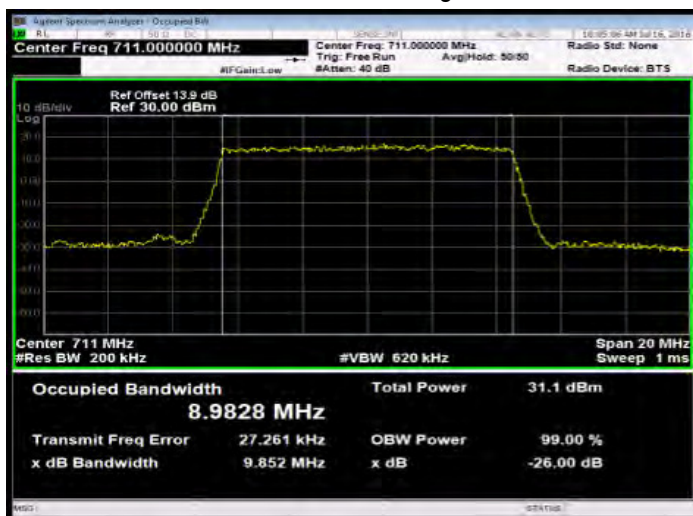
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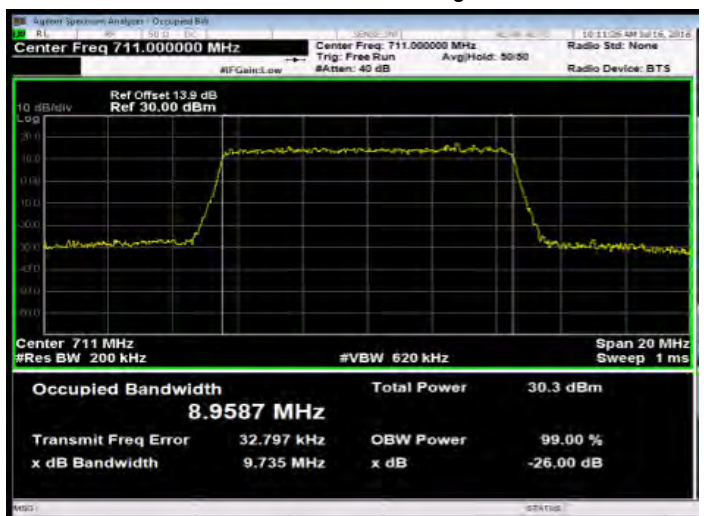
Band17 10MHz_16-QAM 50 0_MidCH23790-710



Band17 10MHz_QPSK 50 0_HighCH23800-711



Band17 10MHz_16-QAM 50 0_HighCH23800-711



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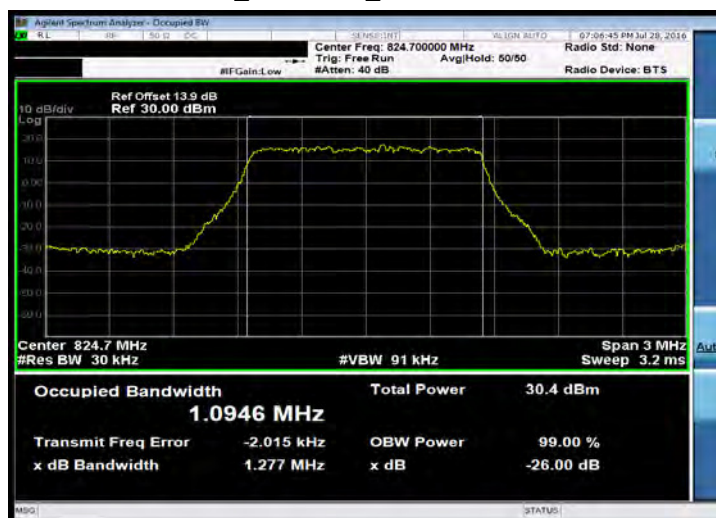
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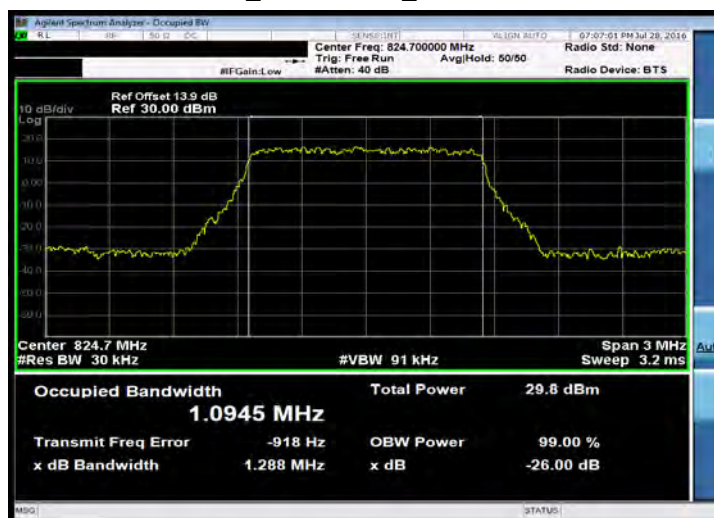
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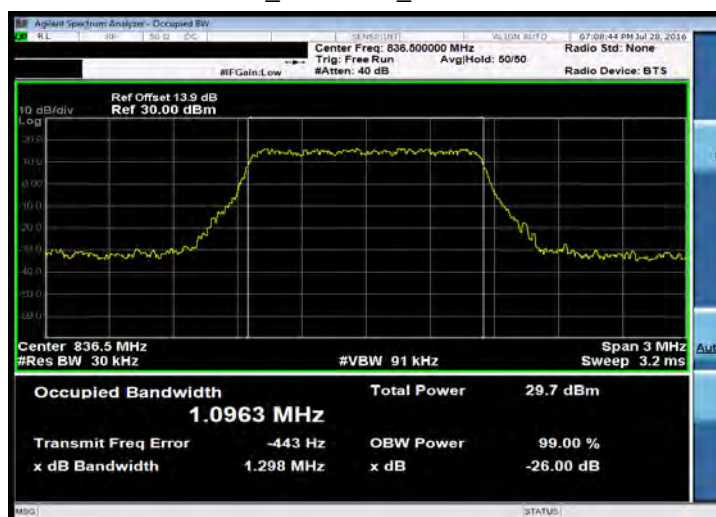
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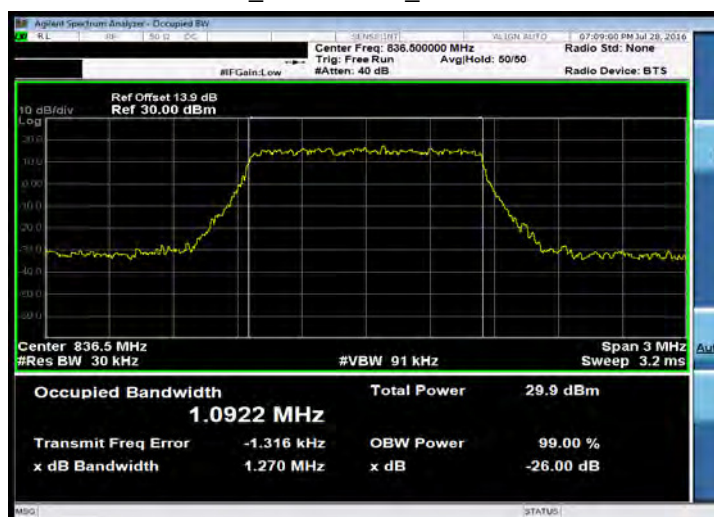
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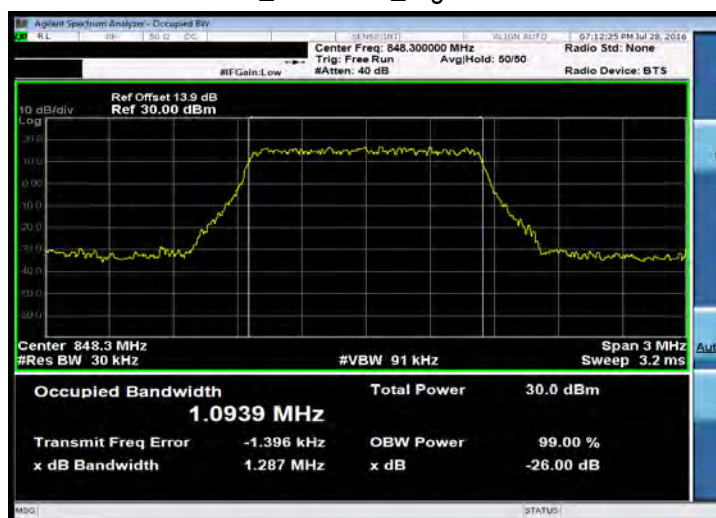
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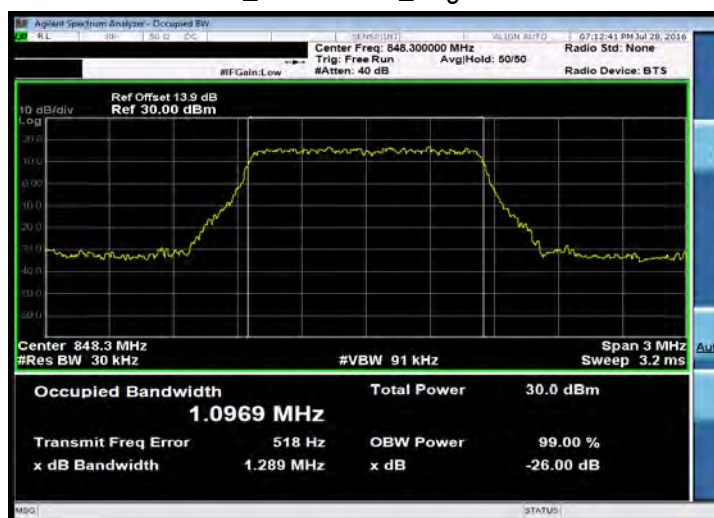
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Band26 1.4MHz_QPSK 6 0_HighCH27033-848.3



Band26 1.4MHz_16-QAM 6 0_HighCH27033-848.3



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