

Prüfbericht-Nr.: <i>Test report no.:</i>	IN244I1B 001	Auftrags-Nr.: <i>Order no.:</i>	146873078 090	Seite 1 von 106 <i>Page 1 of 106</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	2026143	Auftragsdatum: <i>Order date:</i>	2024-01-19	
Auftraggeber: <i>Client:</i>	Schneider Electric 7262 Marconi Street Montreal, QC H2R 2Z5 Canada			
Prüfgegenstand: <i>Test item:</i>	Ecostruxure Flex-Server			
Bezeichnung.: <i>Identification.:</i>	Main Model: ESXBFXSVRBCW008 Associated Model: ESXBFXSVRBCW016, ESXBFXSVRBCW032			
Auftrags-Inhalt: <i>Order content:</i>	Testing and issue of Test Report With Grant Certificate			
Prüfgrundlage: <i>Test specification:</i>	47 CFR Part2, 47 CFR Part 27, FCC Part15 Subpart C 15.207 RSS Gen Issue 5, RSS 139 Issue 4, RSS 199 Issue 4, RSS 130 Issue 2			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-01-23			
Prüfmuster-Nr & Serien-Nr.: <i>Test sample no & serial no.:</i>	A003649514-001 Engineering Sample			
Prüfzeitraum: <i>Testing period:</i>	2024-01-24 - 2024-02-09			
Ort der Prüfung: <i>Place of testing:</i>	Wireless laboratory, Bangalore			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City Phase1 Bangalore -560 100, India FCC Test site registration number: 496599 ISED Test site registration number: 27711			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>			
Datum: <i>Date:</i> 2024-07-08	Ausstellatum: <i>Issue date:</i> 2024-07-08			
Stellung / Position:	M.V.Naveen Kumar Senior Engineer	Stellung / Position:	Madhu K.N Assistant Manager	
Sonstiges / Other:	FCC ID: 2BATG-ESXBFXSVRBCW IC : 30486-ESXBFXSVRBCW HVIN: ESXBFXSVRBCW008; ESXBFXSVRBCW016; ESXBFXSVRBCW032			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be vörs</i> <i>plified in extracts. This test report does not entitle to carry any test mark.</i>				

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1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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4	Die Entscheidungsregel für Konformitätserklärungen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. <i>The decision rule for statements of conformity in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report.</i>

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TEST SUMMARY

Test Item	FCC Clause	ISED Clause	Results
Conducted Output Average Power and Peak to Average Power ratio	§27.50	RSS-139, §6.4 RSS-199, §4.4 RSS-130, §4.4	Pass
Equivalent Isotropic Radiated Power (EIRP) / Effective Radiated Power (ERP)	§2.1046 §27.50	RSS-Gen, §6.12; RSS-139, §6.4	Pass
Field strength of spurious radiation	§2.1053 §27.53(c)(f)	RSS-Gen, §6.13; RSS-139, §6.5 RSS-199, §4.5; RSS-130, §4.6	Pass
Frequency Stability	§2.1055 §27.54	RSS-Gen, §6.11; RSS-139, §6.3	N/T
Emission Bandwidth and Occupied Bandwidth	§2.1049	RSS-Gen, §6.6	N/T
Band Edge	§2.1051 §27.53(c)	RSS-Gen, §6.13; RSS-139, §6.5	N/T
Spurious emissions at antenna terminals	§2.1051 §27.53(c)	RSS-Gen, §6.13; RSS-139, §6.5	N/T
A.C Power Lines Conducted emission	FCC 15.207	RSS Gen Issue 5, Section 8.8	Pass

Note:

N/T: Not Tested since Ecostruxture Flex-Server product uses certified RF modules with **FCC ID: XMR201903EG25G** & **IC : 10224A-201903EG25G** , Hence the above mentioned test cases are excluded and which can be found in the module test report of respective FCC ID & IC

Product	Applicant	FCC ID	IC	FCC Report No	IC Report No	Issued By	Grant Date
EG25-G MINIPCIE	Quectel Wireless Solutions Company Limited	XMR201903EG25G	10224A- 201903EG25G	HR/2019/1001601	HR/2019/1001603	SGS- CSTC Standards Technical Service Co., Ltd. Shenzhen Branch	29.03.2019

Product Category: Electronics Testing
Test Discipline: EMC Test Facility

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REVISION HISTORY OF THIS REPORT

Report Number	Version	Description	Issue date
IN244I1B 001	01	Initial issue of report	2024-07-08

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1 GENERAL REMARKS

1.1 Attachments

All attachments are part of this test report and are issued in separate document

1: TEST SETUP PHOTOS

2: EUT EXTERNAL PHOTOS

3: EUT INTERNAL PHOTOS

4: FCC LABEL AND LABEL LOCATION

5: BLOCK DIAGRAM

6: SPECIFICATION OF EUT

7: SCHEMATIC DIAGRAM

8: BILL OF MATERIAL

9: USER MANUAL

10: MAXIMUM PERMISSIBLE EXPOSURE INFORMATION

2 TEST SITES

2.1 Testing Facilities

1. TÜV Rheinland (India) Pvt.Ltd.,
27/B, 2nd Cross,
ElectronicCityPhase1
Bangalore – 560 100,
India
2. TÜV Rheinland (India) Private Limited
108 , Beside ISBR Business School,
Electronic city Phase I
Bangalore - 560 100.
India

2.2 List of Test and Measurement Instruments

Table 1: List of test and measurement instruments

Equipment	Manufacturer	Model Name	Serial Number	Firmware Versions	Calibration Due Date	Periodicity	Test Facility
EMI Receiver	Rohde & Schwarz	ESW 44	101773	1.72 SP5	26.01.2025	Yearly	Radiated Spurious Emission
Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-1944	-	28.10.2024	Yearly	
Baloon and Biconical Antenna	Schwarzbeck mess-elektronik	VHBB-9124 / BBA-9106	01028	-	08.02.2025	Yearly	
Log-Periodic Antenna	Schwarzbeck mess-elektronik	VUSLP-9111B	9111B-111	-	03.02.2025	Yearly	
Active loop antenna	Frankonia	LAX-10	LAX-10-800	-	02.03.2024	Yearly	
Fully Anechoic Chamber	Albatross	-	-	-	-	-	
EMI Receiver	Rohde & Schwarz	ESW 44	103384	4.73 SP5	10.05.2025	Yearly	Antenna – Port Conducted Test
30dB Attenuator	Mini Circuits	BW-N30W5+	938	-	12.10.2024		
Radio Communication tester	Rohde & Schwarz	CMW 500	1201.0002K50	-	28.10.2024	Yearly	AC Powerlines Test Case
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100811	-	12-07-2024	Yearly	
Two Line V-Network (LISN)	Rohde & Schwarz	ENV216	100022	-	05.10.2024	Yearly	
EMI Receiver	Rohde & Schwarz	ESR7	101133		29.07.2024	Yearly	

Table 2: Instrument application Software versions

SL. No.	Test Type	Application software	Version
1	Radiated spurious emission measurement in 10m-SAC	BATEMC	V2022.0.11.0
2	Radiated spurious emission measurement in FAC	EMC 32	10.60.20

3 GENERAL PRODUCT INFORMATION

3.1 Product Function and Intended Use

ESXB Flex-Server is a multiprotocol IoT gateway that has been designed specifically for industrial and commercial applications. It enables businesses to perform bi-directional data/control communication between a range of sensors and devices on-premise and cloud. Exposed physical interfaces include RS485, USB ports, power connector, LEDs, Switches and Ethernet.

3.2 Ratings and System Details of Equipment under Test

Table 3: Ratings and System Details as declared by Supplier*

Radio Protocol		LTE				
LTE E-UTRA operating bands		Band	Bandwidth (MHz)	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		4	1.4,3,5,10,15,20	1710 - 1755	2110 - 2155	QPSK, 16QAM
		7	5,10,15,20	2500 - 2570	2620 - 2690	QPSK, 16QAM
		12	1.4, 3, 5, 10	699 - 716	729 - 746	QPSK, 16QAM
		13	5, 10	777 - 787	746 - 756	QPSK, 16QAM
		38	5,10,15,20	2570 - 2620	-	QPSK, 16QAM
		41	5,10,15,20	2496 – 2689.9	-	QPSK, 16QAM
WCDMA UMTS Operating Bands		4	-	1710 - 1755	2110 - 2155	QPSK
Transmitted Power for LTE (dBm)		Band	Power Class	Max. Conducted Average. Output Power		
		4	Power Class 3: 23dBm	24.28dBm@CB3MHz, 16QAM(1753.5MHz)		
		7	Power Class 3: 23dBm	25.22dBm@CB15MHz, QPSK(2562.5MHz)		
		12	Power Class 3: 23dBm	23.76dBm@CB3MHz, QPSK(700.50MHz)		
		13	Power Class 3: 23dBm	24.17dBm@CB5MHz, 16QAM(782MHz)		
		38	Power Class 3: 23dBm	24.92dBm@CB15MHz, 16QAM(2577.50MHz)		
		41	Power Class 3: 23dBm	17.83dBm@CB20MHz, 16QAM(2506.00MHz)		
Transmitted Power for WCDMA (dBm)		4	Power Class 3: 24dBm	22.38dBm@QPSK(1752.60MHz)		
Modulation		GSM System, GSM/GPRS, GMSK modulation GSM System, EGPRS,8PSK modulation UMTS System, WCDMA, QPSK modulation UMTS System, WCDMA, 16QAM modulation LTE system, QPSK modulation LTE system, 16QAM modulation				
Antenna Type		Main Antenna – dipole Antenna				
Number of Antenna		Main – 1				
Antenna Gain		Refer Table 4				
Supply Voltage to Product		12VDC through AC to DC Adapter				
Environmental conditions	Storage	–20°C to +65°C				
	Operating	0°C to +50°C				
EUT Dimension (L x W x H)		33.6 x 17.6 x 4.1 cm				

Antenna Type	Frequency Range (MHz)	Antenna Gain (dBi)
Primary Antenna (External)	600-700	-0.5
	700-810	1.4
	820-960	1.0
	1700-2170	2.3
	2300-2400	1.5
	2400-2500	1.6
	2500-2690	2.8

Table 4: Antenna Gain

***Disclaimer:**

The information/data is supplied by the client and the same is considered to arrive at the final value. Any changes made apart from the specified specification, can directly impact on the tests results. Refer the products user manual for more details.

3.3 Measurement Uncertainty

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$

Table 5: Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3 dB
Unwanted Emissions, conducted	±3 dB
All emissions, radiated	±6 dB
Temperature	±3 °C
Supply Voltages	±3 %
Time	±5 %

4 TEST SET-UP AND OPERATION MODE

4.1 Principle of Configuration Selection

Transmission was enabled with highest possible duty cycle on low, mid and high channels

4.2 UUT Operation and Software

Hardware Name & version: Gateway CB V3.3

Software Name & version: Zenatix Gateway Image (v2.0)

Hardware version & Identification Number (HVIN) : Refer the cover Page

4.3 Special Accessories and Auxiliary Equipment

Product	Manufacture	Model	Specifications
AC/DC Adapter	Meanwell SMPS	RS-25-12	I/P Voltage: 100-240VAC 0.35A 50/60Hz O/P Voltage: +12V = 1.3A

4.4 Countermeasures to achieve EMC Compliance

- None

4.5 List of frequencies

Table 6: List of Center frequencies

Protocol	Band	UL Frequency (MHz)	DL Frequency (MHz)
LTE	4	1710 - 1755	2110 - 2155
	7	2500 - 2570	2620 - 2690
	12	699 - 716	729 - 746
	13	777 – 786.9	746 – 755.9
	38	2570 - 2620	-
	41	2496 – 2689.9	-
WCDMA	4	1710 - 1755	2100 - 2155

Note:

TUV Sample Identification number: – A003649514-001 Radiated test Sample & Conducted test Sample.

4.6 Report references

Note: Ecostruxure Flex-Server has multiple protocols. All the supported wireless protocols and their respective test results are issued in separate test reports, following table lists the report numbers.

Radio Protocol	Report Number
RF test report for FCC Part15 Subpart C & RSS 247 Issue 3, RSS Gen Issue 5	IN24TRDD 001
RF test report for FCC Part15 Subpart E & RSS 247 Issue 3, RSS Gen Issue 5	IN24QRE8 001
RF test report for FCC Part22 Subpart H & RSS Gen Issue 5, RSS 132 Issue 4	IN24778M 001
RF test report for FCC Part24 Subpart E & RSS Gen Issue 5, RSS-133 Issue 6	IN249G94 001
RF test report for FCC Part27 Subpart C & RSS Gen Issue 5, RSS 139 Issue 4, RSS 199 Issue 4, RSS 130 Issue 2	IN244I1B 001
RF test report for FCC Part90 Subpart S & RSS Gen Issue 5, RSS-132 Issue 4	IN2443F6 001

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5 Operational Description of the product

ESXB Flex-Server has support for multiple protocols, these devices can be configured and connected to the gateway using an online portal. The gateway connects to the cloud downloads the configuration and enables the communication between cloud and sensing and control devices.

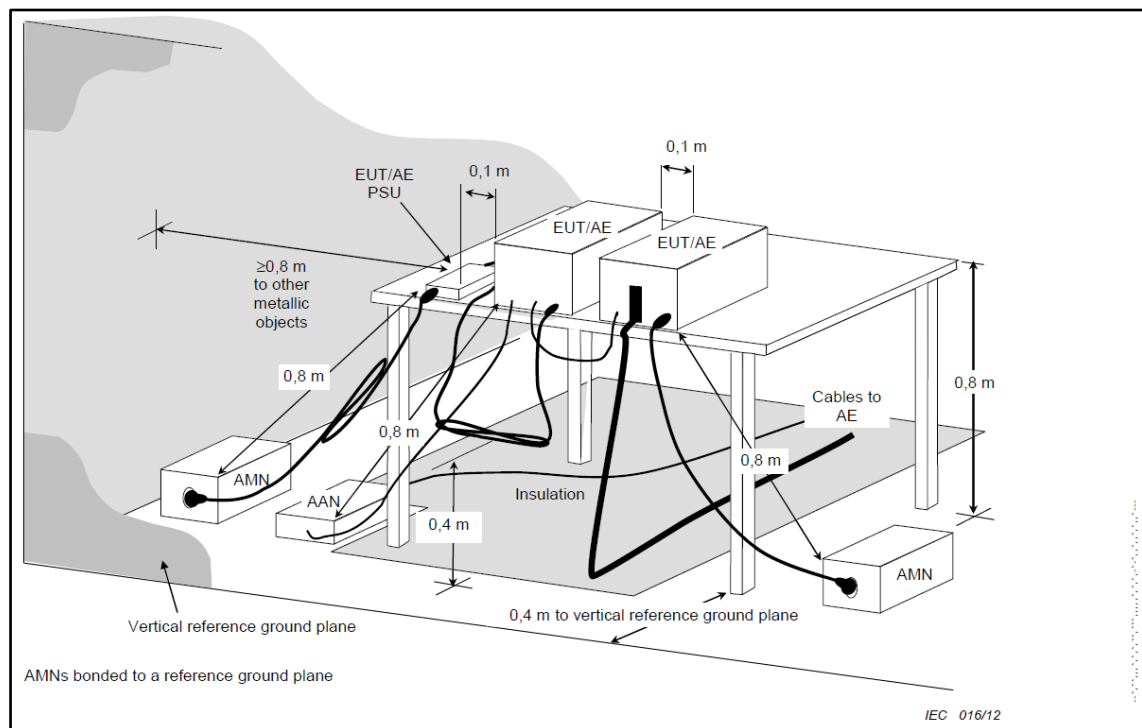
6 TEST METHODOLOGY

6.1 AC Power Lines Conducted emission

Measured levels of ac powerline conducted emission across the 50Ω LISN port (to which the EUT is connected). All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer.

The device is placed on the test table, raised 80cm above the reference ground plane. The vertical conducting plane is located 40cm to the rear of the device. AC Conducted emission measurement is made over frequency range from 150kHz to 30MHz, this measurement was performed with EUT powered with an AC adaptor with 110V AC 60Hz supply.

6.1.1 Test Setup Configuration



6.2 Radiated Emission Test

Frequency Range 9 kHz - 30 MHz

Test performed as per ANSI C63.4-2014 section 8.3

The loop Antenna was placed at 1m above the ground plane & EUT is 3 meters far from the measuring antenna. With 3m measurement distance, correction data were applied to the measured results. The test arrangement, measuring antenna guidelines and operational configurations in 8.2.1 and 8.2.2, shall be followed. The measurement antenna shall be positioned with its plane perpendicular to the ground at the Specified distance, when perpendicular to the ground plane, the lowest height of the magnetic antenna shall be 1 m above the ground and shall be positioned at the specified distance from the EUT. EUT & its associates are placed on non-conducting table of 0.8m height which is placed on the turn table, For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list worst case emission results, for each of the parallel & perpendicular orientations.

6.2.1 Test Setup Configuration

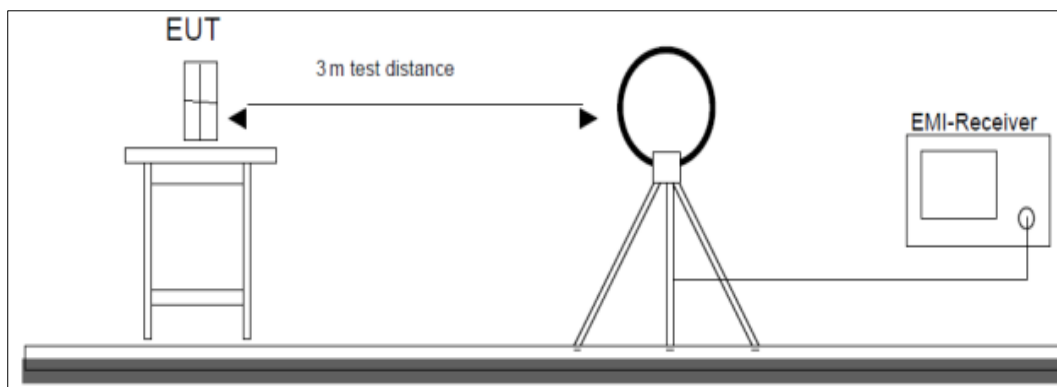


Figure 1: Frequency Range 9 kHz- 30 MHz

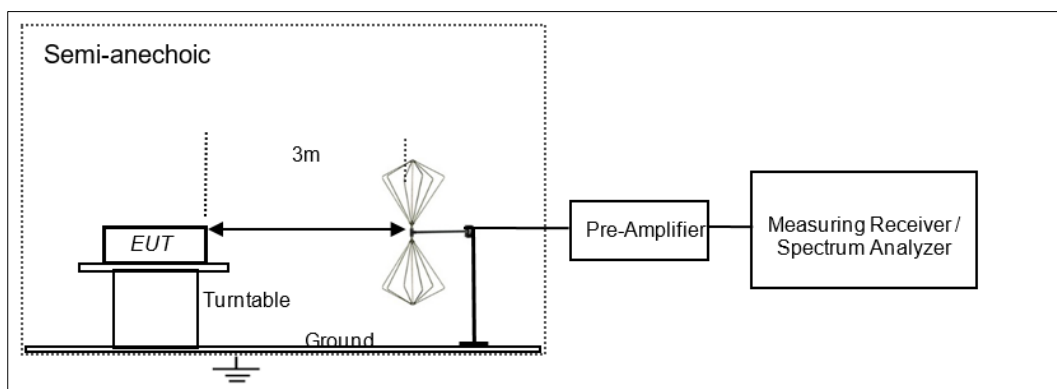


Figure 2: Frequency Range 30 MHz – 200 MHz

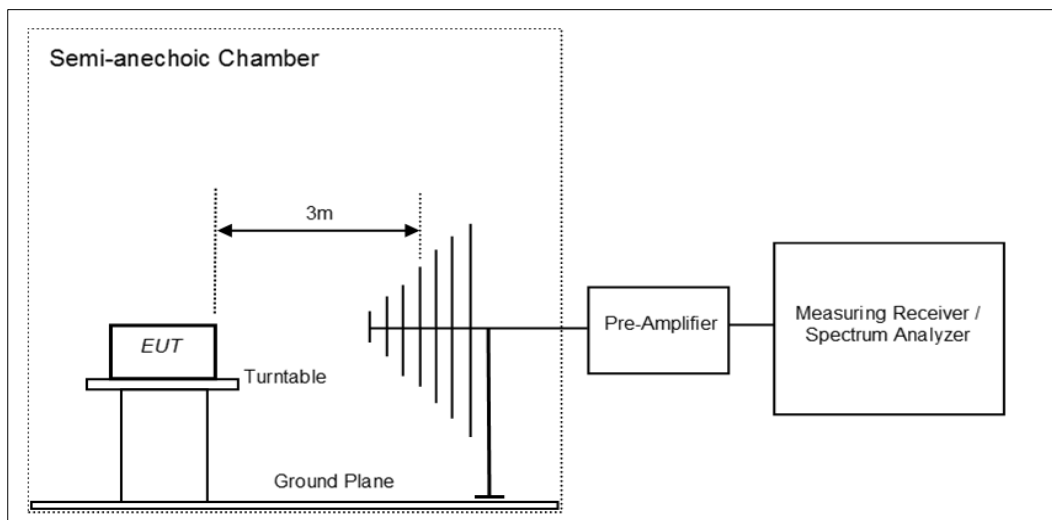


Figure 3: Frequency Range 200 MHz - 1GHz

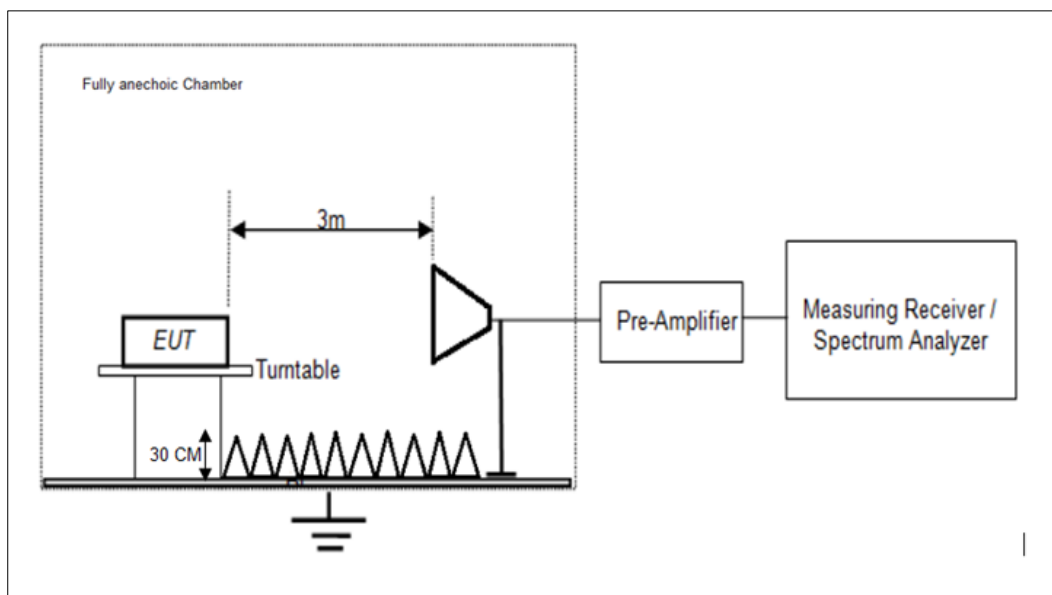


Figure 4: Frequency Range above 1 GHz

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Frequency Range 30MHz to 10th harmonics of the highest fundamental frequency

Test performed as per ANSI C63.26-2015

Radiated spurious emission test are performed as below.

All the radiated emission measurements are performed in accordance with common requirement specified in 5.5.2 and Pre-test site path loss correction factors are used to adjust the EUT emission data in place of two step substitution method (as defined in Annex B of ANSI C63.26-2015).

The equipment under test is placed on non-conductive table at 3m away from the receive antenna in accordance with above mentioned standard. Turn table is rotated through 360 degree, and receiver antenna height is varied in order to determine the level of maximum emission. The maximum emission level and position of the maximized emission is recorded with use of spectrum analyzer.

Using pre-test site path loss to determine EUT emission power:

- 1) EUT emission powers are calculated using the following equation:

$$\text{Emission Power} = \text{EUT}_{\text{Prec}} [\text{dBm EIRP/ ERP}] + \text{P}_L [\text{dB}]$$

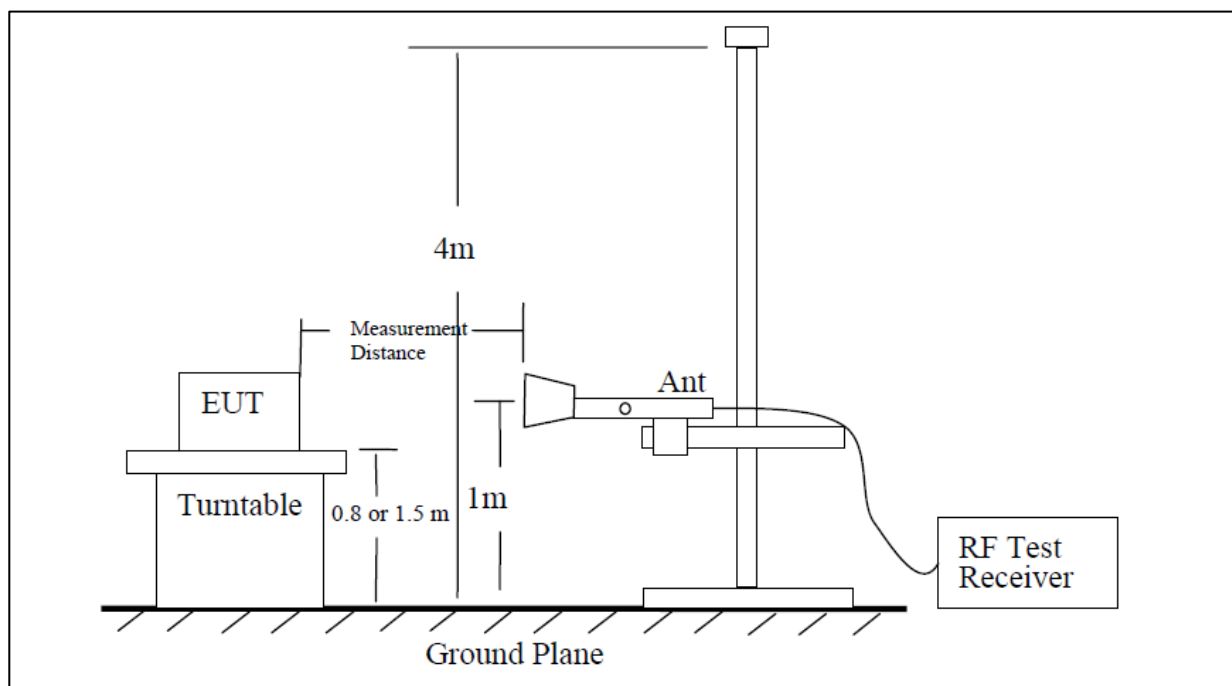
where

EUT_{Prec} = power of the emission measured at the test receiver during EUT measurements.

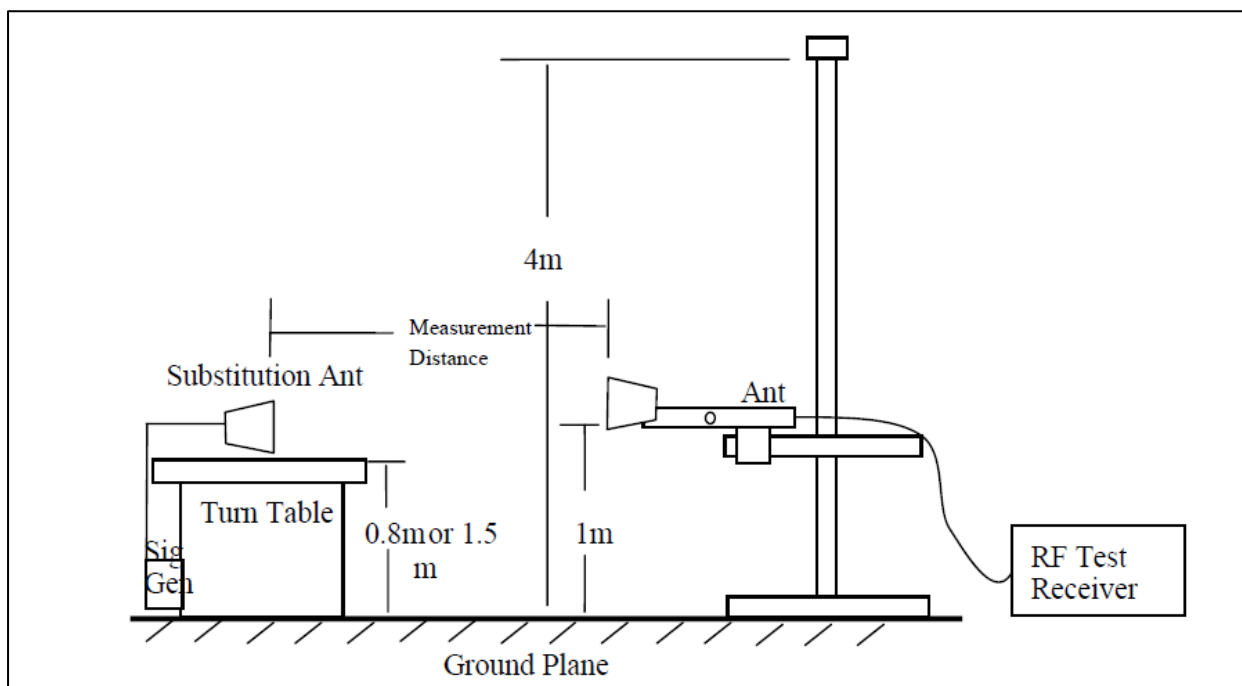
P_L = path loss determined on the frequency of the EUT emission or calculated using linear interpolation between site characterization frequencies.

- 2) This is the level to be compared against the regulatory limit as it is the emission power referenced back to the EUT on the test site.

Test site-up for radiated measurements



Substitution method set-up for radiated emission



7 TEST RESULTS

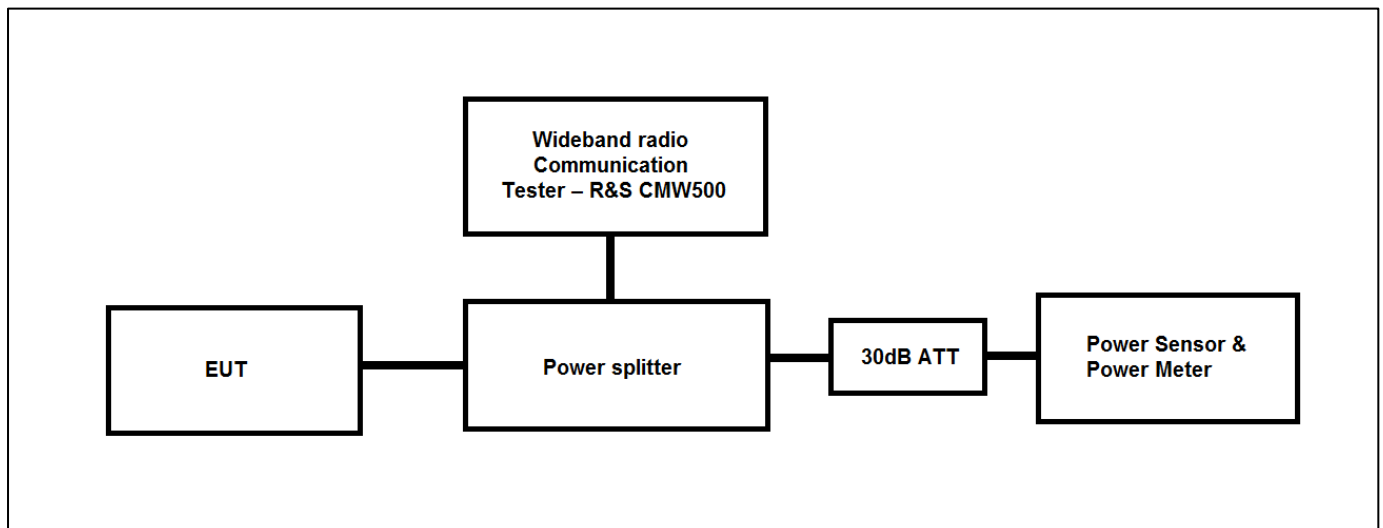
7.1 PEAK – AVERAGE RATIO

Result

Pass

Specification	FCC Part §2.1046; § 27.50(d); §27.50(a); §27.50(c); §27.50 RSS-139, §6.4; RSS-199, §4.4; RSS-130,§4.4; RSS-130,§4.4 ANSI C63.26-2015
Test Method / Procedure	As per subclause 5 in 971168 D01 Power Meas License Digital Systems v03r01
Detector Function	Peak/Average
Requirement	PAPR ≤ 13dB

Test Setup:



Environmental Conditions:

Temperature: +22.5°C

Voltage: 12VDC through AC-DC Adapter

Relative Humidity: 62%

KDB Guidelines applied:

Measurements were made as per section 5.2.4 in KDB 971168 D01 Power Meas License Digital Systems v03r01

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Test results:

Note:

- 1 All the losses are included during measurement and final values are mentioned in the test report.
2. Total Average Output power (dBm) = Measured Average power (dBm) + Attenuator factor (30dB) + Power Splitter (6 dB) + Cable loss (1dB)
3. PAPR (dB) = Measured Peak Power(dBm) – Measured Average Power(dBm)

PAPR Test Results

Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	Measured peak Power (dBm)	PAPR (dB)	Limit (dB)
4	1.4	QPSK	19957	1RB#0	22.63	27.32	4.69	13.00
			19957	1RB#2	22.57	27.18	4.61	13.00
			19957	1RB#5	22.46	27.14	4.68	13.00
			19957	3RB#0	23.27	28.16	4.89	13.00
			19957	3RB#1	23.21	28.05	4.84	13.00
			19957	3RB#3	23.17	28.01	4.84	13.00
			19957	6RB#0	23.91	29.25	5.34	13.00
			20175	1RB#0	22.69	27.63	4.94	13.00
			20175	1RB#2	22.28	26.74	4.46	13.00
			20175	1RB#5	22.97	27.51	4.54	13.00
			20175	3RB#0	23.90	28.70	4.80	13.00
			20175	3RB#1	23.92	28.64	4.72	13.00
			20175	3RB#3	23.91	28.62	4.71	13.00
			20175	6RB#0	23.86	29.15	5.29	13.00
			20393	1RB#0	23.73	28.26	4.53	13.00
			20393	1RB#2	23.81	28.23	4.42	13.00
			20393	1RB#5	23.75	28.30	4.55	13.00
			20393	3RB#0	23.70	28.55	4.85	13.00
			20393	3RB#1	22.42	27.31	4.89	13.00
			20393	3RB#3	22.25	27.06	4.81	13.00
			20393	6RB#0	22.23	27.04	4.81	13.00
		16QAM	19957	1RB#0	22.99	28.52	5.53	13.00
			19957	1RB#2	23.00	28.60	5.60	13.00
			19957	1RB#5	22.94	28.49	5.55	13.00
			19957	3RB#0	23.88	29.53	5.65	13.00
			19957	3RB#1	23.87	29.50	5.63	13.00
			19957	3RB#3	23.28	29.47	6.19	13.00
			19957	6RB#0	23.64	29.91	6.27	13.00
			20175	1RB#0	22.94	27.39	4.45	13.00
			20175	1RB#2	22.34	27.24	4.90	13.00
			20175	1RB#5	23.14	28.14	5.00	13.00
			20175	3RB#0	22.31	27.69	5.38	13.00
			20175	3RB#1	23.96	28.70	4.74	13.00
			20175	3RB#3	23.96	28.69	4.73	13.00
			20175	6RB#0	23.91	29.21	5.30	13.00
			20393	1RB#0	22.87	28.48	5.61	13.00
			20393	1RB#2	22.90	28.49	5.59	13.00
			20393	1RB#5	22.86	28.46	5.60	13.00
			20393	3RB#0	24.06	29.70	5.64	13.00
			20393	3RB#1	24.10	29.68	5.58	13.00
			20393	3RB#3	23.99	29.58	5.59	13.00
			20393	6RB#0	23.12	29.52	6.40	13.00

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4	3	QPSK	19965	1RB#0	23.15	27.71	4.56	13.00
			19965	1RB#8	23.12	27.72	4.60	13.00
			19965	1RB#14	22.98	27.71	4.73	13.00
			19965	8RB#0	23.73	28.85	5.12	13.00
			19965	8RB#4	23.57	28.71	5.14	13.00
			19965	8RB#7	23.53	28.68	5.15	13.00
			19965	15RB#0	23.43	29.20	5.77	13.00
			20175	1RB#0	22.83	27.74	4.91	13.00
			20175	1RB#8	22.70	27.32	4.62	13.00
			20175	1RB#14	22.19	27.19	5.00	13.00
			20175	8RB#0	24.16	29.23	5.07	13.00
			20175	8RB#4	24.05	29.05	5.00	13.00
			20175	8RB#7	24.06	29.01	4.95	13.00
			20175	15RB#0	24.24	29.66	5.42	13.00
			20385	1RB#0	22.48	27.11	4.63	13.00
			20385	1RB#8	22.79	27.73	4.94	13.00
			20385	1RB#14	22.73	27.34	4.61	13.00
			20385	8RB#0	23.45	28.67	5.22	13.00
			20385	8RB#4	23.13	28.72	5.59	13.00
			20385	8RB#7	22.96	28.64	5.68	13.00
			20385	15RB#0	23.65	28.89	5.24	13.00
		16QAM	19965	1RB#0	22.61	28.05	5.44	13.00
			19965	1RB#8	22.68	27.95	5.27	13.00
			19965	1RB#14	22.32	27.88	5.56	13.00
			19965	8RB#0	23.12	28.89	5.77	13.00
			19965	8RB#4	23.12	28.98	5.86	13.00
			19965	8RB#7	23.19	28.94	5.75	13.00
			19965	15RB#0	23.33	29.54	6.21	13.00
			20175	1RB#0	23.66	28.51	4.85	13.00
			20175	1RB#8	23.24	28.21	4.97	13.00
			20175	1RB#14	23.15	28.27	5.12	13.00
			20175	8RB#0	23.36	29.05	5.69	13.00
			20175	8RB#4	23.18	29.02	5.84	13.00
			20175	8RB#7	23.39	29.15	5.76	13.00
			20175	15RB#0	23.39	29.65	6.26	13.00
			20385	1RB#0	23.23	28.27	5.04	13.00
			20385	1RB#8	23.13	28.37	5.24	13.00
			20385	1RB#14	23.37	28.46	5.09	13.00
			20385	8RB#0	24.08	29.76	5.68	13.00
			20385	8RB#4	24.28	30.01	5.73	13.00
			20385	8RB#7	24.26	30.08	5.82	13.00
			20385	15RB#0	24.09	29.97	5.88	13.00

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4	5	QPSK	19975	1RB#0	22.54	26.80	4.26	13.00
			19975	1RB#12	22.98	27.54	4.56	13.00
			19975	1RB#24	22.82	27.46	4.64	13.00
			19975	12RB#0	23.72	28.72	5.00	13.00
			19975	12RB#6	23.25	28.17	4.92	13.00
			19975	12RB#13	23.23	28.21	4.98	13.00
			19975	25RB#0	24.13	29.77	5.64	13.00
			20175	1RB#0	22.23	26.74	4.51	13.00
			20175	1RB#12	23.00	27.44	4.44	13.00
			20175	1RB#24	22.65	27.14	4.49	13.00
			20175	12RB#0	23.87	28.78	4.91	13.00
			20175	12RB#6	23.74	29.19	5.45	13.00
			20175	12RB#13	22.68	27.55	4.87	13.00
			20175	25RB#0	24.21	29.54	5.33	13.00
			20375	1RB#0	22.46	26.68	4.22	13.00
			20375	1RB#12	22.63	27.16	4.53	13.00
			20375	1RB#24	22.68	27.20	4.52	13.00
			20375	12RB#0	24.14	29.15	5.01	13.00
			20375	12RB#6	24.23	29.23	5.00	13.00
			20375	12RB#13	24.21	29.29	5.08	13.00
			20375	25RB#0	24.17	29.85	5.68	13.00
		16QAM	19975	1RB#0	22.61	28.07	5.46	13.00
			19975	1RB#12	22.53	28.00	5.47	13.00
			19975	1RB#24	23.22	28.35	5.13	13.00
			19975	12RB#0	24.02	29.91	5.89	13.00
			19975	12RB#6	23.96	29.90	5.94	13.00
			19975	12RB#13	23.85	29.80	5.95	13.00
			19975	25RB#0	24.19	30.53	6.34	13.00
			20175	1RB#0	22.95	28.25	5.30	13.00
			20175	1RB#12	22.87	28.13	5.26	13.00
			20175	1RB#24	22.54	27.77	5.23	13.00
			20175	12RB#0	23.81	29.89	6.08	13.00
			20175	12RB#6	23.64	29.52	5.88	13.00
			20175	12RB#13	23.62	29.65	6.03	13.00
			20175	25RB#0	23.56	30.05	6.49	13.00
			20375	1RB#0	22.76	28.16	5.40	13.00
			20375	1RB#12	22.64	27.61	4.97	13.00
			20375	1RB#24	22.41	27.68	5.27	13.00
			20375	12RB#0	23.26	29.16	5.90	13.00
			20375	12RB#6	22.95	28.97	6.02	13.00
			20375	12RB#13	23.17	28.94	5.77	13.00
			20375	25RB#0	23.28	29.80	6.52	13.00

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4	10	QPSK	20000	1RB#0	22.22	26.83	4.61	13.00
			20000	1RB#24	23.59	28.35	4.76	13.00
			20000	1RB#49	23.12	27.87	4.75	13.00
			20000	25RB#0	24.11	29.23	5.12	13.00
			20000	25RB#12	23.31	28.54	5.23	13.00
			20000	25RB#25	23.21	28.36	5.15	13.00
			20000	50RB#0	23.99	29.50	5.51	13.00
			20175	1RB#0	22.54	27.11	4.57	13.00
			20175	1RB#24	23.07	27.51	4.44	13.00
			20175	1RB#49	22.72	27.14	4.42	13.00
			20175	25RB#0	23.88	28.90	5.02	13.00
			20175	25RB#12	23.47	28.38	4.91	13.00
			20175	25RB#25	23.43	28.35	4.92	13.00
			20175	50RB#0	23.65	28.62	4.97	13.00
			20350	1RB#0	22.61	27.07	4.46	13.00
			20350	1RB#24	23.72	28.26	4.54	13.00
			20350	1RB#49	23.08	27.61	4.53	13.00
			20350	25RB#0	24.12	29.01	4.89	13.00
			20350	25RB#12	23.52	28.45	4.93	13.00
			20350	25RB#25	23.50	28.42	4.92	13.00
			20350	50RB#0	24.23	29.37	5.14	13.00
		16QAM	20000	1RB#0	23.06	28.15	5.09	13.00
			20000	1RB#24	23.75	28.90	5.15	13.00
			20000	1RB#49	23.25	28.64	5.39	13.00
			20000	25RB#0	23.76	29.78	6.02	13.00
			20000	25RB#12	23.82	29.91	6.09	13.00
			20000	25RB#25	23.81	29.84	6.03	13.00
			20000	50RB#0	23.68	29.92	6.24	13.00
			20175	1RB#0	23.12	28.15	5.03	13.00
			20175	1RB#24	23.60	28.59	4.99	13.00
			20175	1RB#49	23.24	28.13	4.89	13.00
			20175	25RB#0	23.92	29.87	5.95	13.00
			20175	25RB#12	23.48	29.37	5.89	13.00
			20175	25RB#25	23.48	29.35	5.87	13.00
			20175	50RB#0	23.61	30.45	6.84	13.00
			20350	1RB#0	22.65	27.65	5.00	13.00
			20350	1RB#24	23.79	28.68	4.89	13.00
			20350	1RB#49	23.17	28.16	4.99	13.00
			20350	25RB#0	23.96	29.86	5.90	13.00
			20350	25RB#12	23.48	29.35	5.87	13.00
			20350	25RB#25	23.49	29.39	5.90	13.00
			20350	50RB#0	24.15	30.68	6.53	13.00

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4	15	QPSK	20025	1RB#0	22.55	27.02	4.47	13.00
			20025	1RB#38	23.56	28.25	4.69	13.00
			20025	1RB#74	23.21	27.83	4.62	13.00
			20025	36RB#0	24.11	29.29	5.18	13.00
			20025	36RB#18	23.58	28.96	5.38	13.00
			20025	36RB#39	23.58	28.01	4.43	13.00
			20025	75RB#0	24.06	29.20	5.14	13.00
			20175	1RB#0	23.01	27.69	4.68	13.00
			20175	1RB#38	23.44	28.02	4.58	13.00
			20175	1RB#74	23.11	27.64	4.53	13.00
			20175	36RB#0	23.23	28.44	5.21	13.00
			20175	36RB#18	23.08	28.03	4.95	13.00
			20175	36RB#39	23.09	28.05	4.96	13.00
			20175	75RB#0	24.22	29.31	5.09	13.00
			20325	1RB#0	22.28	26.71	4.43	13.00
			20325	1RB#38	23.02	27.57	4.55	13.00
			20325	1RB#74	22.50	27.07	4.57	13.00
			20325	36RB#0	24.07	29.20	5.13	13.00
			20325	36RB#18	24.17	29.31	5.14	13.00
			20325	36RB#39	24.16	29.28	5.12	13.00
			20325	75RB#0	24.19	30.09	5.90	13.00
		16QAM	20025	1RB#0	23.20	28.68	5.48	13.00
			20025	1RB#38	23.48	29.01	5.53	13.00
			20025	1RB#74	23.16	28.79	5.63	13.00
			20025	36RB#0	22.82	28.91	6.09	13.00
			20025	36RB#18	23.26	29.34	6.08	13.00
			20025	36RB#39	22.43	28.52	6.09	13.00
			20025	75RB#0	23.42	29.88	6.46	13.00
			20175	1RB#0	23.00	28.14	5.14	13.00
			20175	1RB#38	23.62	28.61	4.99	13.00
			20175	1RB#74	23.27	28.39	5.12	13.00
			20175	36RB#0	23.55	29.53	5.98	13.00
			20175	36RB#18	23.29	29.23	5.94	13.00
			20175	36RB#39	23.38	29.32	5.94	13.00
			20175	75RB#0	23.42	30.02	6.60	13.00
			20325	1RB#0	23.08	28.48	5.40	13.00
			20325	1RB#38	23.05	28.54	5.49	13.00
			20325	1RB#74	22.51	27.97	5.46	13.00
			20325	36RB#0	23.15	29.22	6.07	13.00
			20325	36RB#18	23.04	29.29	6.25	13.00
			20325	36RB#39	23.41	29.26	5.85	13.00
			20325	75RB#0	23.19	29.54	6.35	13.00

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4	20	QPSK	20050	1RB#0	22.30	27.04	4.74	13.00
			20050	1RB#49	23.35	28.05	4.70	13.00
			20050	1RB#99	22.78	27.48	4.70	13.00
			20050	50RB#0	23.61	28.78	5.17	13.00
			20050	50RB#25	24.03	29.39	5.36	13.00
			20050	50RB#50	23.98	29.13	5.15	13.00
			20050	100RB#0	23.77	28.85	5.08	13.00
			20175	1RB#0	22.96	27.65	4.69	13.00
			20175	1RB#49	23.41	28.00	4.59	13.00
			20175	1RB#99	23.07	27.62	4.55	13.00
			20175	50RB#0	23.41	28.47	5.06	13.00
			20175	50RB#25	23.06	27.89	4.83	13.00
			20175	50RB#50	23.07	27.99	4.92	13.00
			20175	100RB#0	24.01	29.81	5.80	13.00
			20300	1RB#0	22.29	26.73	4.44	13.00
			20300	1RB#49	23.08	27.59	4.51	13.00
			20300	1RB#99	22.34	26.89	4.55	13.00
			20300	50RB#0	24.11	29.16	5.05	13.00
			20300	50RB#25	24.18	29.27	5.09	13.00
			20300	50RB#50	22.97	28.05	5.08	13.00
			20300	100RB#0	24.06	29.88	5.82	13.00
		16QAM	20050	1RB#0	23.42	28.51	5.09	13.00
			20050	1RB#49	23.83	29.03	5.20	13.00
			20050	1RB#99	23.31	28.49	5.18	13.00
			20050	50RB#0	23.83	29.83	6.00	13.00
			20050	50RB#25	23.70	29.79	6.09	13.00
			20050	50RB#50	23.69	29.71	6.02	13.00
			20050	100RB#0	23.72	30.14	6.42	13.00
			20175	1RB#0	22.88	28.01	5.13	13.00
			20175	1RB#49	23.50	28.54	5.04	13.00
			20175	1RB#99	23.16	28.15	4.99	13.00
			20175	50RB#0	23.57	29.57	6.00	13.00
			20175	50RB#25	23.24	29.19	5.95	13.00
			20175	50RB#50	23.29	29.35	6.06	13.00
			20175	100RB#0	23.41	30.11	6.70	13.00
			20300	1RB#0	23.17	28.13	4.96	13.00
			20300	1RB#49	23.94	28.97	5.03	13.00
			20300	1RB#99	23.13	28.18	5.05	13.00
			20300	50RB#0	24.01	30.06	6.05	13.00
			20300	50RB#25	24.14	29.97	5.83	13.00
			20300	50RB#50	24.08	30.15	6.07	13.00
			20300	100RB#0	24.10	30.62	6.52	13.00

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7	5	QPSK	20775	1RB#0	22.40	27.14	4.74	13.00
			20775	1RB#12	22.64	27.27	4.63	13.00
			20775	1RB#24	22.31	27.16	4.85	13.00
			20775	12RB#0	23.63	28.64	5.01	13.00
			20775	12RB#6	23.67	28.57	4.90	13.00
			20775	12RB#13	23.59	28.56	4.97	13.00
			20775	25RB#0	23.77	28.91	5.14	13.00
			21100	1RB#0	22.94	27.59	4.65	13.00
			21100	1RB#12	23.07	27.69	4.62	13.00
			21100	1RB#24	22.66	27.38	4.72	13.00
			21100	12RB#0	23.83	28.80	4.97	13.00
			21100	12RB#6	23.76	28.79	5.03	13.00
			21100	12RB#13	23.72	28.76	5.04	13.00
			21100	25RB#0	24.25	29.80	5.55	13.00
			21425	1RB#0	23.94	29.24	5.30	13.00
			21425	1RB#12	23.62	27.61	3.99	13.00
			21425	1RB#24	22.89	27.34	4.45	13.00
			21425	12RB#0	23.91	28.63	4.72	13.00
			21425	12RB#6	23.87	28.40	4.53	13.00
			21425	12RB#13	23.84	28.36	4.52	13.00
			21425	25RB#0	23.88	28.94	5.06	13.00
		16QAM	20775	1RB#0	23.04	28.42	5.38	13.00
			20775	1RB#12	23.22	28.56	5.34	13.00
			20775	1RB#24	22.82	28.30	5.48	13.00
			20775	12RB#0	22.74	28.73	5.99	13.00
			20775	12RB#6	22.78	28.71	5.93	13.00
			20775	12RB#13	22.75	28.70	5.95	13.00
			20775	25RB#0	22.92	29.34	6.42	13.00
			21100	1RB#0	23.33	28.61	5.28	13.00
			21100	1RB#12	23.48	28.73	5.25	13.00
			21100	1RB#24	23.00	28.40	5.40	13.00
			21100	12RB#0	23.10	28.89	5.79	13.00
			21100	12RB#6	23.10	28.90	5.80	13.00
			21100	12RB#13	23.45	28.84	5.39	13.00
			21100	25RB#0	23.31	29.60	6.29	13.00
			21425	1RB#0	23.88	28.79	4.91	13.00
			21425	1RB#12	24.65	28.65	4.00	13.00
			21425	1RB#24	23.92	28.40	4.48	13.00
			21425	12RB#0	23.46	28.97	5.51	13.00
			21425	12RB#6	23.51	28.50	4.99	13.00
			21425	12RB#13	22.52	28.43	5.91	13.00
			21425	25RB#0	23.32	29.63	6.31	13.00

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7	10	QPSK	20800	1RB#24	22.39	27.08	4.69	13.00
			20800	1RB#49	23.07	27.70	4.63	13.00
			20800	1RB#0	23.05	27.69	4.64	13.00
			20800	25RB#0	23.94	28.74	4.80	13.00
			20800	25RB#12	23.85	28.90	5.05	13.00
			20800	25RB#25	23.91	28.88	4.97	13.00
			20800	50RB#0	23.98	29.42	5.44	13.00
			21100	1RB#24	22.36	26.59	4.23	13.00
			21100	1RB#49	22.98	27.65	4.67	13.00
			21100	1RB#0	22.68	27.49	4.81	13.00
			21100	25RB#0	23.62	28.59	4.97	13.00
			21100	25RB#12	23.44	28.56	5.12	13.00
			21100	25RB#25	23.43	28.53	5.10	13.00
			21100	50RB#0	23.56	29.23	5.67	13.00
			21400	1RB#24	22.95	26.92	3.97	13.00
			21400	1RB#49	22.92	27.52	4.60	13.00
			21400	1RB#0	23.01	27.05	4.04	13.00
			21400	25RB#0	23.59	28.56	4.97	13.00
			21400	25RB#12	23.72	28.51	4.79	13.00
			21400	25RB#25	23.78	28.48	4.70	13.00
			21400	50RB#0	23.56	28.46	4.90	13.00
		16QAM	20800	1RB#24	23.10	28.53	5.43	13.00
			20800	1RB#49	23.76	29.10	5.34	13.00
			20800	1RB#0	22.84	28.30	5.46	13.00
			20800	25RB#0	22.77	28.67	5.90	13.00
			20800	25RB#12	22.60	28.58	5.98	13.00
			20800	25RB#25	22.59	28.56	5.97	13.00
			20800	50RB#0	22.90	29.69	6.79	13.00
			21100	1RB#24	22.50	27.17	4.67	13.00
			21100	1RB#49	23.06	27.68	4.62	13.00
			21100	1RB#0	22.77	27.53	4.76	13.00
			21100	25RB#0	23.76	28.76	5.00	13.00
			21100	25RB#12	23.51	28.68	5.17	13.00
			21100	25RB#25	23.41	28.56	5.15	13.00
			21100	50RB#0	23.65	29.48	5.83	13.00
			21400	1RB#24	23.05	28.43	5.38	13.00
			21400	1RB#49	22.91	28.31	5.40	13.00
			21400	1RB#0	23.05	28.01	4.96	13.00
			21400	25RB#0	23.15	29.10	5.95	13.00
			21400	25RB#12	23.63	28.91	5.28	13.00
			21400	25RB#25	23.70	28.95	5.25	13.00
			21400	50RB#0	23.41	29.34	5.93	13.00

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7	15	QPSK	20825	1RB#0	23.10	27.87	4.77	13.00
			20825	1RB#38	23.65	28.28	4.63	13.00
			20825	1RB#74	23.90	27.54	3.64	13.00
			20825	36RB#0	24.09	29.02	4.93	13.00
			20825	36RB#18	24.10	29.05	4.95	13.00
			20825	36RB#39	23.92	28.95	5.03	13.00
			20825	75RB#0	24.07	29.59	5.52	13.00
			21100	1RB#0	22.89	27.53	4.64	13.00
			21100	1RB#38	23.10	27.92	4.82	13.00
			21100	1RB#74	22.21	26.98	4.77	13.00
			21100	36RB#0	24.15	29.12	4.97	13.00
			21100	36RB#18	23.72	28.93	5.21	13.00
			21100	36RB#39	23.65	28.84	5.19	13.00
			21100	75RB#0	24.19	29.87	5.68	13.00
			21375	1RB#0	22.78	27.28	4.50	13.00
			21375	1RB#38	23.70	28.05	4.35	13.00
			21375	1RB#74	23.21	27.43	4.22	13.00
			21375	36RB#0	24.00	29.03	5.03	13.00
			21375	36RB#18	23.47	28.38	4.91	13.00
			21375	36RB#39	24.15	29.10	4.95	13.00
			21375	75RB#0	25.22	29.08	3.86	13.00
		16QAM	20825	1RB#0	23.25	28.29	5.04	13.00
			20825	1RB#38	23.67	28.51	4.84	13.00
			20825	1RB#74	23.21	27.99	4.78	13.00
			20825	36RB#0	23.11	28.96	5.85	13.00
			20825	36RB#18	23.01	28.87	5.86	13.00
			20825	36RB#39	23.04	28.90	5.86	13.00
			20825	75RB#0	23.16	29.29	6.13	13.00
			21100	1RB#0	23.24	28.36	5.12	13.00
			21100	1RB#38	23.65	28.75	5.10	13.00
			21100	1RB#74	23.41	28.49	5.08	13.00
			21100	36RB#0	23.28	29.20	5.92	13.00
			21100	36RB#18	23.22	29.31	6.09	13.00
			21100	36RB#39	23.20	29.30	6.10	13.00
			21100	75RB#0	23.28	29.41	6.13	13.00
			21375	1RB#0	23.24	28.30	5.06	13.00
			21375	1RB#38	24.18	28.87	4.69	13.00
			21375	1RB#74	23.16	28.12	4.96	13.00
			21375	36RB#0	23.23	29.01	5.78	13.00
			21375	36RB#18	23.54	29.02	5.48	13.00
			21375	36RB#39	23.53	28.99	5.46	13.00
			21375	75RB#0	23.47	29.60	6.13	13.00

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7	20	QPSK	20850	1RB#99	23.52	29.12	5.60	13.00
			20850	1RB#49	23.75	28.15	4.40	13.00
			20850	1RB#0	23.72	28.20	4.48	13.00
			20850	50RB#0	22.64	27.15	4.51	13.00
			20850	50RB#25	24.05	29.01	4.96	13.00
			20850	50RB#50	24.02	28.09	4.07	13.00
			20850	100RB#0	24.11	29.71	5.60	13.00
			21100	1RB#99	23.81	28.20	4.39	13.00
			21100	1RB#49	23.77	28.29	4.52	13.00
			21100	1RB#0	23.70	27.71	4.01	13.00
			21100	50RB#0	23.55	28.56	5.01	13.00
			21100	50RB#25	23.08	28.27	5.19	13.00
			21100	50RB#50	23.07	28.26	5.19	13.00
			21100	100RB#0	24.21	29.94	5.73	13.00
			21350	1RB#99	22.71	27.44	4.73	13.00
			21350	1RB#49	24.26	28.77	4.51	13.00
			21350	1RB#0	23.39	27.90	4.51	13.00
			21350	50RB#0	24.15	29.20	5.05	13.00
			21350	50RB#25	23.13	28.99	5.86	13.00
			21350	50RB#50	23.02	28.21	5.19	13.00
			21350	100RB#0	24.02	29.51	5.49	13.00
		16QAM	20850	1RB#99	23.71	28.31	4.60	13.00
			20850	1RB#49	23.86	28.85	4.99	13.00
			20850	1RB#0	22.86	27.87	5.01	13.00
			20850	50RB#0	23.24	29.08	5.84	13.00
			20850	50RB#25	23.06	28.77	5.71	13.00
			20850	50RB#50	23.50	28.75	5.25	13.00
			20850	100RB#0	23.06	29.47	6.41	13.00
			21100	1RB#99	23.12	28.28	5.16	13.00
			21100	1RB#49	24.03	29.25	5.22	13.00
			21100	1RB#0	23.33	28.76	5.43	13.00
			21100	50RB#0	23.34	29.36	6.02	13.00
			21100	50RB#25	23.22	29.23	6.01	13.00
			21100	50RB#50	23.27	29.25	5.98	13.00
			21100	100RB#0	23.31	29.68	6.37	13.00
			21350	1RB#99	22.80	28.19	5.39	13.00
			21350	1RB#49	23.41	28.64	5.23	13.00
			21350	1RB#0	23.53	27.70	4.17	13.00
			21350	50RB#0	22.41	28.61	6.20	13.00
			21350	50RB#25	22.90	28.82	5.92	13.00
			21350	50RB#50	23.23	29.75	6.52	13.00
			21350	100RB#0	23.85	29.02	5.17	13.00

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12	1.4MHz	QPSK	23017	1RB#0	22.28	27.03	4.75	13.00
			23017	1RB#2	22.41	27.08	4.67	13.00
			23017	1RB#5	22.56	27.34	4.78	13.00
			23017	3RB#0	23.23	28.16	4.93	13.00
			23017	3RB#1	23.31	28.26	4.95	13.00
			23017	3RB#3	23.46	28.44	4.98	13.00
			23017	6RB#0	23.31	28.94	5.63	13.00
			23095	1RB#0	22.44	27.28	4.84	13.00
			23095	1RB#5	22.31	27.06	4.75	13.00
			23095	1RB#2	22.28	27.14	4.86	13.00
			23095	3RB#0	22.39	27.40	5.01	13.00
			23095	3RB#1	22.34	27.35	5.01	13.00
			23095	3RB#3	22.33	27.32	4.99	13.00
			23095	6RB#0	24.09	29.56	5.47	13.00
			23173	1RB#5	22.48	27.18	4.70	13.00
			23173	1RB#0	22.64	27.24	4.60	13.00
			23173	1RB#2	22.55	27.22	4.67	13.00
			23173	3RB#0	23.49	28.56	5.07	13.00
			23173	3RB#1	23.49	28.53	5.04	13.00
			23173	3RB#3	23.50	28.54	5.04	13.00
			23173	6RB#0	23.44	28.88	5.44	13.00
		16QAM	23017	1RB#0	23.13	29.94	6.81	13.00
			23017	1RB#2	23.24	29.05	5.81	13.00
			23017	1RB#5	23.12	29.01	5.89	13.00
			23017	3RB#1	23.90	29.84	5.94	13.00
			23017	3RB#0	24.19	30.13	5.94	13.00
			23017	3RB#3	24.14	30.06	5.92	13.00
			23017	6RB#0	23.73	30.33	6.60	13.00
			23095	1RB#0	22.60	27.91	5.31	13.00
			23095	1RB#2	22.50	27.74	5.24	13.00
			23095	1RB#5	22.43	27.69	5.26	13.00
			23095	3RB#3	24.05	30.17	6.12	13.00
			23095	3RB#0	23.98	30.11	6.13	13.00
			23095	3RB#1	23.19	29.33	6.14	13.00
			23095	6RB#0	24.01	30.33	6.32	13.00
			23173	1RB#2	22.52	28.08	5.56	13.00
			23173	1RB#0	22.65	28.19	5.54	13.00
			23173	1RB#5	22.58	28.11	5.53	13.00
			23173	3RB#0	23.60	29.44	5.84	13.00
			23173	3RB#1	23.53	29.35	5.82	13.00
			23173	3RB#3	23.48	29.34	5.86	13.00
			23173	6RB#0	23.38	29.54	6.16	13.00

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12	3MHz	QPSK	23025	1RB#8	24.51	28.48	3.97	13.00
			23025	1RB#14	22.59	27.06	4.47	13.00
			23025	1RB#0	23.14	28.22	5.08	13.00
			23025	8RB#0	23.31	28.56	5.25	13.00
			23025	8RB#4	23.59	28.91	5.32	13.00
			23025	8RB#7	23.52	28.86	5.34	13.00
			23025	15RB#0	23.27	28.84	5.57	13.00
			23095	1RB#0	22.73	27.64	4.91	13.00
			23095	1RB#14	22.84	27.69	4.85	13.00
			23095	1RB#8	22.70	27.62	4.92	13.00
			23095	8RB#7	23.86	29.14	5.28	13.00
			23095	8RB#0	23.62	28.90	5.28	13.00
			23095	8RB#4	23.65	28.91	5.26	13.00
			23095	15RB#0	23.72	29.29	5.57	13.00
			23165	1RB#8	22.34	27.15	4.81	13.00
			23165	1RB#0	22.28	26.91	4.63	13.00
			23165	1RB#14	22.26	27.09	4.83	13.00
			23165	8RB#0	24.02	29.27	5.25	13.00
			23165	8RB#7	23.88	29.05	5.17	13.00
			23165	8RB#4	23.88	29.04	5.16	13.00
			23165	15RB#0	23.95	29.58	5.63	13.00
		16QAM	23025	1RB#14	22.85	28.21	5.36	13.00
			23025	1RB#0	23.41	28.86	5.45	13.00
			23025	1RB#8	23.61	29.06	5.45	13.00
			23025	8RB#7	23.93	30.08	6.15	13.00
			23025	8RB#4	24.01	30.27	6.26	13.00
			23025	8RB#0	24.05	30.28	6.23	13.00
			23025	15RB#0	23.70	30.14	6.44	13.00
			23095	1RB#14	22.98	28.66	5.68	13.00
			23095	1RB#0	22.68	28.65	5.97	13.00
			23095	1RB#8	22.64	28.42	5.78	13.00
			23095	8RB#7	23.80	29.83	6.03	13.00
			23095	8RB#0	23.70	29.71	6.01	13.00
			23095	8RB#4	24.08	29.83	5.75	13.00
			23095	15RB#0	24.05	30.51	6.46	13.00
			23165	1RB#8	22.84	28.14	5.30	13.00
			23165	1RB#0	23.54	28.63	5.09	13.00
			23165	1RB#14	23.71	28.76	5.05	13.00
			23165	8RB#0	23.77	29.77	6.00	13.00
			23165	8RB#4	23.86	29.73	5.87	13.00
			23165	8RB#7	23.59	29.54	5.95	13.00
			23165	15RB#0	23.55	29.71	6.16	13.00

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12	5MHz	QPSK	23035	1RB#0	19.10	23.67	4.57	13.00
			23035	1RB#13	17.28	22.10	4.82	13.00
			23035	1RB#24	17.78	22.72	4.94	13.00
			23035	12RB#0	16.53	21.85	5.32	13.00
			23035	12RB#13	23.87	29.26	5.39	13.00
			23035	25RB#0	24.24	30.13	5.89	13.00
			23095	1RB#0	22.52	27.37	4.85	13.00
			23095	1RB#24	22.72	27.47	4.75	13.00
			23095	1RB#12	22.28	27.11	4.83	13.00
			23095	12RB#0	23.63	29.90	6.27	13.00
			23095	12RB#6	23.54	29.33	5.79	13.00
			23095	12RB#13	23.53	29.54	6.01	13.00
			23095	25RB#0	23.62	29.30	5.68	13.00
			23155	1RB#24	22.40	27.15	4.75	13.00
			23155	1RB#0	22.50	27.10	4.60	13.00
			23155	1RB#12	23.06	27.79	4.73	13.00
			23155	12RB#0	24.21	29.51	5.30	13.00
			23155	12RB#6	24.05	29.21	5.16	13.00
			23155	12RB#13	24.05	29.20	5.15	13.00
			23155	25RB#0	24.05	30.03	5.98	13.00
		16QAM	23025	1RB#0	15.42	21.14	5.72	13.00
			23025	1RB#13	15.60	22.23	6.63	13.00
			23025	1RB#24	16.02	22.08	6.06	13.00
			23025	12RB#0	15.31	21.52	6.21	13.00
			23025	12RB#13	15.58	21.94	6.36	13.00
			23025	25RB#0	15.39	22.12	6.73	13.00
			23095	1RB#0	22.72	28.42	5.70	13.00
			23095	1RB#12	22.88	28.49	5.61	13.00
			23095	1RB#24	22.41	28.07	5.66	13.00
			23095	12RB#13	23.86	30.20	6.34	13.00
			23095	12RB#0	23.54	29.86	6.32	13.00
			23095	12RB#6	23.52	29.85	6.33	13.00
			23095	25RB#0	23.79	30.54	6.75	13.00
			23155	1RB#12	23.29	28.82	5.53	13.00
			23155	1RB#0	23.57	28.92	5.35	13.00
			23155	1RB#24	23.16	28.61	5.45	13.00
			23155	12RB#0	24.07	30.20	6.13	13.00
			23155	12RB#6	23.91	29.95	6.04	13.00
			23155	12RB#13	23.91	29.95	6.04	13.00
			23155	25RB#0	23.93	30.35	6.42	13.00

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12	10MHz	QPSK	23060	1RB#49	22.24	27.39	5.15	13.00
			23060	1RB#24	23.38	28.37	4.99	13.00
			23060	1RB#0	22.24	27.33	5.09	13.00
			23060	25RB#0	23.30	28.72	5.42	13.00
			23060	25RB#12	23.64	29.43	5.79	13.00
			23060	25RB#25	23.88	29.39	5.51	13.00
			23060	50RB#0	23.53	29.43	5.90	13.00
			23095	1RB#0	22.56	27.47	4.91	13.00
			23095	1RB#49	23.56	28.56	5.00	13.00
			23095	1RB#24	22.38	27.21	4.83	13.00
			23095	25RB#25	23.39	28.76	5.37	13.00
			23095	25RB#0	23.04	28.45	5.41	13.00
			23095	25RB#12	23.04	28.44	5.40	13.00
			23095	50RB#0	24.17	30.19	6.02	13.00
			23130	1RB#24	22.90	27.75	4.85	13.00
			23130	1RB#0	23.14	27.90	4.76	13.00
			23130	1RB#49	22.93	27.65	4.72	13.00
			23130	25RB#0	24.14	29.59	5.45	13.00
			23130	25RB#25	23.55	28.94	5.39	13.00
			23130	25RB#12	23.56	28.91	5.35	13.00
			23130	50RB#0	23.82	29.08	5.26	13.00
	10MHz	16QAM	23060	1RB#49	23.14	28.54	5.40	13.00
			23060	1RB#0	23.32	28.69	5.37	13.00
			23060	1RB#24	23.44	28.83	5.39	13.00
			23060	25RB#25	23.90	30.36	6.46	13.00
			23060	25RB#12	24.02	30.44	6.42	13.00
			23060	25RB#0	24.05	30.35	6.30	13.00
			23060	50RB#0	23.92	30.49	6.57	13.00
			23095	1RB#49	22.79	28.18	5.39	13.00
			23095	1RB#0	23.85	29.18	5.33	13.00
			23095	1RB#24	23.33	28.64	5.31	13.00
			23095	25RB#25	24.10	30.44	6.34	13.00
			23095	25RB#0	23.70	30.19	6.49	13.00
			23095	25RB#12	23.68	29.98	6.30	13.00
			23095	50RB#0	23.88	30.74	6.86	13.00
			23130	1RB#24	22.95	28.79	5.84	13.00
			23130	1RB#0	23.17	28.89	5.72	13.00
			23130	1RB#49	22.90	28.58	5.68	13.00
			23130	25RB#0	24.02	30.31	6.29	13.00
			23130	25RB#12	23.82	29.87	6.05	13.00
			23130	25RB#25	23.83	29.95	6.12	13.00
			23130	50RB#0	23.68	30.33	6.65	13.00

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13	5MHz	QPSK	23205	1RB#12	28.13	23.09	5.04	13.00
			23205	1RB#24	28.20	23.29	4.91	13.00
			23205	1RB#0	27.73	22.82	4.91	13.00
			23205	12RB#0	29.32	23.04	6.28	13.00
			23205	12RB#6	29.12	23.99	5.13	13.00
			23205	12RB#13	29.05	23.19	5.86	13.00
			23205	25RB#0	29.42	23.90	5.52	13.00
			23230	1RB#0	27.48	22.58	4.90	13.00
			23230	1RB#12	27.31	22.87	4.44	13.00
			23230	1RB#24	27.45	22.18	5.27	13.00
			23230	12RB#0	28.70	23.17	5.53	13.00
			23230	12RB#6	28.45	23.25	5.20	13.00
			23230	12RB#13	28.46	23.27	5.19	13.00
			23230	25RB#0	29.15	23.15	6.00	13.00
			23255	1RB#24	28.07	23.19	4.88	13.00
			23255	1RB#0	27.95	23.10	4.85	13.00
			23255	1RB#12	27.88	22.91	4.97	13.00
			23255	12RB#6	29.37	24.16	5.21	13.00
			23255	12RB#0	29.21	24.03	5.18	13.00
			23255	12RB#13	29.17	23.99	5.18	13.00
			23255	25RB#0	29.97	24.12	5.85	13.00
		16QAM	23205	1RB#12	28.56	22.75	5.81	13.00
			23205	1RB#0	28.86	22.91	5.95	13.00
			23205	1RB#24	28.42	23.14	5.28	13.00
			23205	12RB#13	30.01	24.02	5.99	13.00
			23205	12RB#6	30.08	24.12	5.96	13.00
			23205	12RB#0	30.07	24.11	5.96	13.00
			23205	25RB#0	30.41	24.11	6.30	13.00
			23230	1RB#0	28.33	22.64	5.69	13.00
			23230	1RB#12	28.20	22.55	5.65	13.00
			23230	1RB#24	28.56	22.87	5.69	13.00
			23230	12RB#0	30.06	24.08	5.98	13.00
			23230	12RB#6	29.97	23.94	6.03	13.00
			23230	12RB#13	29.95	23.91	6.04	13.00
			23230	25RB#0	30.05	24.17	5.88	13.00
			23255	1RB#0	28.73	23.02	5.71	13.00
			23255	1RB#12	28.66	22.97	5.69	13.00
			23255	1RB#24	28.62	22.42	6.20	13.00
			23255	12RB#13	29.99	23.85	6.14	13.00
			23255	12RB#0	29.80	23.59	6.21	13.00
			23255	12RB#6	29.88	23.87	6.01	13.00
			23255	25RB#0	30.45	24.09	6.36	13.00

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13	10MHz	QPSK	23230	1RB#49	27.16	22.21	4.95	13.00
			23230	1RB#24	28.79	23.85	4.94	13.00
			23230	1RB#0	27.25	22.23	5.02	13.00
			23230	25RB#0	29.39	23.85	5.54	13.00
			23230	25RB#12	28.85	23.41	5.44	13.00
			23230	25RB#25	28.80	23.38	5.42	13.00
			23230	50RB#0	29.15	23.51	5.64	13.00
		16QAM	23230	1RB#49	28.90	23.42	5.48	13.00
			23230	1RB#0	28.63	23.24	5.39	13.00
			23230	1RB#24	28.67	23.13	5.54	13.00
			23230	25RB#0	30.07	23.66	6.41	13.00
			23230	25RB#12	29.67	23.23	6.44	13.00
			23230	25RB#25	29.55	23.10	6.45	13.00
			23230	50RB#0	31.34	24.16	7.18	13.00

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38	5	QPSK	37775	1RB#0	22.44	26.31	3.87	13.00
			37775	1RB#13	22.54	26.30	3.76	13.00
			37775	1RB#24	22.78	27.10	4.32	13.00
			37775	12RB#0	22.38	27.55	5.17	13.00
			37775	12RB#13	22.30	27.46	5.16	13.00
			37775	25RB#0	22.26	28.27	6.01	13.00
			38000	1RB#0	22.39	25.28	2.89	13.00
			38000	1RB#13	22.59	25.03	2.44	13.00
			38000	1RB#24	23.66	26.15	2.49	13.00
			38000	12RB#0	21.47	26.73	5.26	13.00
			38000	12RB#13	21.44	26.62	5.18	13.00
			38000	25RB#0	21.60	27.22	5.62	13.00
			38225	1RB#0	22.63	26.74	4.11	13.00
			38225	1RB#13	22.39	27.09	4.70	13.00
			38225	1RB#24	22.92	26.78	3.86	13.00
			38225	12RB#0	21.44	26.31	4.87	13.00
			38225	12RB#13	21.75	26.50	4.75	13.00
			38225	25RB#0	21.93	27.14	5.21	13.00
		16QAM	37775	1RB#0	23.54	27.47	3.93	13.00
			37775	1RB#13	23.61	26.90	3.29	13.00
			37775	1RB#24	23.22	26.74	3.52	13.00
			37775	12RB#0	21.67	27.43	5.76	13.00
			37775	12RB#13	21.42	27.14	5.72	13.00
			37775	25RB#0	21.55	27.69	6.14	13.00
			38000	1RB#0	22.57	27.02	4.45	13.00
			38000	1RB#13	22.53	27.02	4.49	13.00
			38000	1RB#24	20.83	25.90	5.07	13.00
			38000	12RB#0	20.50	26.44	5.94	13.00
			38000	12RB#13	19.98	26.24	6.26	13.00
			38000	25RB#0	21.02	26.27	5.25	13.00
			38225	1RB#0	21.81	26.58	4.77	13.00
			38225	1RB#13	22.12	26.64	4.52	13.00
			38225	1RB#24	22.26	26.98	4.72	13.00
			38225	12RB#0	20.66	26.73	6.07	13.00
			38225	12RB#13	20.98	26.83	5.85	13.00
			38225	25RB#0	20.71	26.96	6.25	13.00

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38	10	QPSK	37800	1RB#25	22.57	27.17	4.60	13.00
			37800	1RB#49	23.60	27.92	4.32	13.00
			37800	1RB#0	23.08	27.68	4.60	13.00
			37800	25RB#0	23.17	28.55	5.38	13.00
			37800	25RB#25	22.88	27.49	4.61	13.00
			37800	50RB#0	22.44	28.94	6.50	13.00
			38000	1RB#25	22.75	25.73	2.98	13.00
			38000	1RB#49	22.78	25.84	3.06	13.00
			38000	1RB#0	24.11	28.13	4.02	13.00
			38000	25RB#0	21.66	26.87	5.21	13.00
			38000	25RB#25	21.62	26.82	5.20	13.00
			38000	50RB#0	21.56	27.66	6.10	13.00
			38200	1RB#25	23.25	26.05	2.80	13.00
			38200	1RB#49	22.36	27.15	4.79	13.00
			38200	1RB#0	22.11	26.70	4.59	13.00
			38200	25RB#0	22.00	27.03	5.03	13.00
			38200	25RB#25	22.11	27.14	5.03	13.00
			38200	50RB#0	23.12	28.02	4.90	13.00
		16QAM	37800	1RB#25	24.56	28.27	3.71	13.00
			37800	1RB#49	24.39	28.06	3.67	13.00
			37800	1RB#0	24.53	28.04	3.51	13.00
			37800	25RB#0	22.64	28.55	5.91	13.00
			37800	25RB#25	21.67	27.44	5.77	13.00
			37800	50RB#0	21.71	27.60	5.89	13.00
			38000	1RB#25	24.24	28.62	4.38	13.00
			38000	1RB#49	23.42	27.83	4.41	13.00
			38000	1RB#0	23.73	28.04	4.31	13.00
			38000	25RB#0	21.89	28.11	6.22	13.00
			38000	25RB#25	21.84	28.05	6.21	13.00
			38000	50RB#0	21.87	28.15	6.28	13.00
			38200	1RB#25	21.21	27.27	6.06	13.00
			38200	1RB#49	19.24	25.59	6.35	13.00
			38200	1RB#0	19.54	25.93	6.39	13.00
			38200	25RB#0	20.85	27.75	6.90	13.00
			38200	25RB#25	22.07	28.04	5.97	13.00
			38200	50RB#0	20.82	26.97	6.15	13.00

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38	15	QPSK	37825	1RB#0	23.63	27.22	3.59	13.00
			37825	1RB#38	23.24	27.18	3.94	13.00
			37825	1RB#74	23.57	27.32	3.75	13.00
			37825	36RB#0	22.76	27.79	5.03	13.00
			37825	36RB#39	22.27	27.46	5.19	13.00
			37825	75RB#0	22.55	27.80	5.25	13.00
			38000	1RB#0	22.54	24.01	1.47	13.00
			38000	1RB#38	22.28	24.60	2.32	13.00
			38000	1RB#74	22.72	25.75	3.03	13.00
			38000	36RB#0	21.88	26.97	5.09	13.00
			38000	36RB#39	21.65	26.62	4.97	13.00
			38000	75RB#0	21.76	27.81	6.05	13.00
			38175	1RB#0	23.02	25.83	2.81	13.00
			38175	1RB#38	22.82	27.60	4.78	13.00
			38175	1RB#74	23.05	28.00	4.95	13.00
			38175	36RB#0	23.12	28.17	5.05	13.00
			38175	36RB#39	23.21	28.13	4.92	13.00
			38175	75RB#0	23.05	28.60	5.55	13.00
		16QAM	37825	1RB#0	24.92	28.96	4.04	13.00
			37825	1RB#38	24.03	28.13	4.10	13.00
			37825	1RB#74	24.02	27.66	3.64	13.00
			37825	36RB#0	22.66	28.61	5.95	13.00
			37825	36RB#39	21.07	27.35	6.28	13.00
			37825	75RB#0	22.44	28.96	6.52	13.00
			38000	1RB#0	23.67	28.00	4.33	13.00
			38000	1RB#38	22.39	26.78	4.39	13.00
			38000	1RB#74	22.00	26.76	4.76	13.00
			38000	36RB#0	21.81	27.75	5.94	13.00
			38000	36RB#39	21.70	27.81	6.11	13.00
			38000	75RB#0	21.64	27.90	6.26	13.00
			38175	1RB#0	20.16	26.03	5.87	13.00
			38175	1RB#38	21.70	27.37	5.67	13.00
			38175	1RB#74	20.67	26.34	5.67	13.00
			38175	36RB#0	20.72	27.35	6.63	13.00
			38175	36RB#39	21.17	27.33	6.16	13.00
			38175	75RB#0	21.88	28.09	6.21	13.00

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38	20	QPSK	37850	1RB#0	23.26	27.12	3.86	13.00
			37850	1RB#50	22.81	28.05	5.24	13.00
			37850	1RB#99	23.10	26.82	3.72	13.00
			37850	50RB#0	23.64	28.68	5.04	13.00
			37850	50RB#50	23.17	28.26	5.09	13.00
			37850	100RB#0	23.23	29.00	5.77	13.00
			38000	1RB#0	22.91	26.93	4.02	13.00
			38000	1RB#50	23.80	27.82	4.02	13.00
			38000	1RB#99	22.90	26.76	3.86	13.00
			38000	50RB#0	23.01	28.08	5.07	13.00
			38000	50RB#50	22.98	27.88	4.90	13.00
			38000	100RB#0	22.81	28.51	5.70	13.00
			38150	1RB#0	22.75	26.63	3.88	13.00
			38150	1RB#50	24.03	27.71	3.68	13.00
			38150	1RB#99	23.13	27.00	3.87	13.00
			38150	50RB#0	23.01	28.04	5.03	13.00
			38150	50RB#50	23.20	28.20	5.00	13.00
			38150	100RB#0	23.14	28.43	5.29	13.00
		16QAM	37850	1RB#0	21.20	25.03	3.83	13.00
			37850	1RB#50	24.28	28.05	3.77	13.00
			37850	1RB#99	20.80	27.68	6.88	13.00
			37850	50RB#0	22.41	28.60	6.19	13.00
			37850	50RB#50	22.25	27.83	5.58	13.00
			37850	100RB#0	22.07	28.06	5.99	13.00
			38000	1RB#0	23.77	28.46	4.69	13.00
			38000	1RB#50	23.35	27.20	3.85	13.00
			38000	1RB#99	22.90	26.83	3.93	13.00
			38000	50RB#0	22.08	28.13	6.05	13.00
			38000	50RB#50	22.00	28.19	6.19	13.00
			38000	100RB#0	21.88	29.02	7.14	13.00
			38150	1RB#0	23.07	27.95	4.88	13.00
			38150	1RB#50	23.35	27.02	3.67	13.00
			38150	1RB#99	22.61	26.50	3.89	13.00
			38150	50RB#0	21.06	27.04	5.98	13.00
			38150	50RB#50	22.23	28.11	5.88	13.00
			38150	100RB#0	21.76	27.87	6.11	13.00

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41	5MHz	QPSK	39675	1RB#0	26.33	17.49	8.84	13.00
			39675	1RB#12	26.39	17.63	8.76	13.00
			39675	1RB#24	26.37	17.58	8.79	13.00
			39675	12RB#0	25.98	16.73	9.25	13.00
			39675	12RB#6	25.98	16.73	9.25	13.00
			39675	12RB#13	26.09	16.81	9.28	13.00
			39675	25RB#0	26.71	16.82	9.89	13.00
			40620	1RB#0	26.21	17.28	8.93	13.00
			40620	1RB#24	26.21	17.27	8.94	13.00
			40620	1RB#12	26.25	17.43	8.82	13.00
			40620	12RB#0	25.99	16.48	9.51	13.00
			40620	12RB#6	26.07	16.54	9.53	13.00
			40620	12RB#13	26.08	16.57	9.51	13.00
			40620	25RB#0	26.65	16.57	10.08	13.00
			41565	1RB#24	25.83	17.21	8.62	13.00
			41565	1RB#0	25.78	17.27	8.51	13.00
			41565	1RB#12	25.82	17.31	8.51	13.00
			41565	12RB#0	25.58	16.32	9.26	13.00
			41565	12RB#6	25.68	16.42	9.26	13.00
			41565	12RB#13	25.63	16.47	9.16	13.00
			41565	25RB#0	26.13	16.41	9.72	13.00
	5MHz	16QAM	39675	1RB#0	26.06	16.38	9.68	13.00
			39675	1RB#12	25.93	16.42	9.51	13.00
			39675	1RB#24	26.06	16.31	9.75	13.00
			39675	12RB#6	25.92	15.62	10.30	13.00
			39675	12RB#0	25.94	15.65	10.29	13.00
			39675	12RB#13	26.09	15.73	10.36	13.00
			39675	25RB#0	26.60	15.83	10.77	13.00
			40620	1RB#0	26.49	16.80	9.69	13.00
			40620	1RB#12	26.59	17.00	9.59	13.00
			40620	1RB#24	26.62	17.00	9.62	13.00
			40620	12RB#13	25.92	15.58	10.34	13.00
			40620	12RB#0	25.85	15.39	10.46	13.00
			40620	12RB#6	25.81	15.39	10.42	13.00
			40620	25RB#0	26.62	15.58	11.04	13.00
			41565	1RB#12	25.73	16.32	9.41	13.00
			41565	1RB#0	25.84	16.25	9.59	13.00
			41565	1RB#24	25.79	16.40	9.39	13.00
			41565	12RB#0	25.66	15.32	10.34	13.00
			41565	12RB#6	25.55	15.29	10.26	13.00
			41565	12RB#13	25.48	15.25	10.23	13.00
			41565	25RB#0	25.08	15.41	9.67	13.00

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Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	Measured peak Power (dBm)	PAPR (dB)	Limit (dB)
41	10MHz	QPSK	39700	1RB#24	26.36	17.64	8.72	13.00
			39700	1RB#49	26.52	17.82	8.70	13.00
			39700	1RB#0	26.31	17.50	8.81	13.00
			39700	25RB#0	26.02	16.64	9.38	13.00
			39700	25RB#12	26.18	16.79	9.39	13.00
			39700	25RB#25	26.12	16.77	9.35	13.00
			39700	50RB#0	27.00	16.69	10.31	13.00
			40620	1RB#0	26.33	17.38	8.95	13.00
			40620	1RB#49	26.32	17.59	8.73	13.00
			40620	1RB#24	26.30	17.55	8.75	13.00
			40620	25RB#25	25.91	16.44	9.47	13.00
			40620	25RB#0	25.97	16.47	9.50	13.00
			40620	25RB#12	25.92	16.47	9.45	13.00
			40620	50RB#0	26.80	16.48	10.32	13.00
			41540	1RB#24	25.65	17.02	8.63	13.00
			41540	1RB#0	26.72	17.16	9.56	13.00
			41540	1RB#49	25.88	17.21	8.67	13.00
			41540	25RB#0	25.58	16.36	9.22	13.00
			41540	25RB#25	25.48	16.25	9.23	13.00
			41540	25RB#12	25.57	16.12	9.45	13.00
			41540	50RB#0	26.41	16.31	10.10	13.00
	10MHz	16QAM	39700	1RB#49	26.49	17.66	8.83	13.00
			39700	1RB#0	26.36	17.56	8.80	13.00
			39700	1RB#24	26.35	17.65	8.70	13.00
			39700	25RB#25	26.17	16.72	9.45	13.00
			39700	25RB#12	26.13	16.73	9.40	13.00
			39700	25RB#0	25.94	16.59	9.35	13.00
			39700	50RB#0	26.98	15.69	11.29	13.00
			40620	1RB#49	26.63	17.01	9.62	13.00
			40620	1RB#0	26.58	16.88	9.70	13.00
			40620	1RB#24	26.78	17.22	9.56	13.00
			40620	25RB#25	25.90	15.46	10.44	13.00
			40620	25RB#0	26.01	15.44	10.57	13.00
			40620	25RB#12	26.93	15.47	11.46	13.00
			40620	50RB#0	26.75	15.45	11.30	13.00
			41540	1RB#24	26.43	16.78	9.65	13.00
			41540	1RB#0	26.07	16.57	9.50	13.00
			41540	1RB#49	25.90	16.46	9.44	13.00
			41540	25RB#0	25.55	15.29	10.26	13.00
			41540	25RB#12	25.44	15.28	10.16	13.00
			41540	25RB#25	25.43	15.33	10.10	13.00
			41540	50RB#0	26.12	15.13	10.99	13.00

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41	15MHz	QPSK	39725	1RB#0	26.37	16.38	9.99	13.00
			39725	1RB#38	25.74	16.80	8.94	13.00
			39725	1RB#74	25.49	16.41	9.08	13.00
			39725	36RB#0	25.60	16.27	9.33	13.00
			39725	36RB#18	26.04	16.47	9.57	13.00
			39725	36RB#39	25.98	16.45	9.53	13.00
			39725	75RB#0	26.34	16.26	10.08	13.00
			40620	1RB#0	25.44	16.32	9.12	13.00
			40620	36RB#39	25.92	16.37	9.55	13.00
			40620	75RB#0	25.50	16.37	9.13	13.00
			40620	1RB#0	25.42	16.31	9.11	13.00
			40620	1RB#74	25.49	16.42	9.07	13.00
			40620	1RB#38	26.12	17.18	8.94	13.00
			40620	36RB#0	25.89	16.35	9.54	13.00
			40620	36RB#18	25.92	16.47	9.45	13.00
			40620	36RB#39	26.06	16.41	9.65	13.00
			40620	75RB#0	26.48	16.34	10.14	13.00
			41515	1RB#74	24.71	15.80	8.91	13.00
			41515	1RB#0	24.96	16.10	8.86	13.00
			41515	1RB#38	25.44	16.70	8.74	13.00
			41515	36RB#0	25.65	16.31	9.34	13.00
			41515	36RB#18	25.80	16.38	9.42	13.00
			41515	36RB#39	25.74	16.37	9.37	13.00
			41515	75RB#0	26.21	16.35	9.86	13.00
		16QAM	39725	1RB#0	24.60	15.58	9.02	13.00
			39725	1RB#38	25.74	16.83	8.91	13.00
			39725	1RB#74	25.50	16.44	9.06	13.00
			39725	36RB#18	25.81	15.46	10.35	13.00
			39725	36RB#0	25.54	15.02	10.52	13.00
			39725	36RB#39	25.81	15.32	10.49	13.00
			39725	75RB#0	26.42	15.34	11.08	13.00
			40620	1RB#0	25.98	16.04	9.94	13.00
			40620	1RB#38	25.88	16.01	9.87	13.00
			40620	1RB#74	26.06	16.15	9.91	13.00
			40620	36RB#39	25.94	15.47	10.47	13.00
			40620	36RB#0	25.83	15.25	10.58	13.00
			40620	36RB#18	25.88	15.33	10.55	13.00
			40620	75RB#0	26.58	15.47	11.11	13.00
			41515	1RB#38	25.39	15.75	9.64	13.00
			41515	1RB#0	25.72	16.15	9.57	13.00
			41515	1RB#74	25.95	16.41	9.54	13.00
			41515	36RB#0	25.84	15.45	10.39	13.00
			41515	36RB#18	25.65	15.43	10.22	13.00
			41515	36RB#39	25.74	15.43	10.31	13.00
			41515	75RB#0	26.24	15.42	10.82	13.00

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41	20MHz	QPSK	39750	1RB#99	26.28	17.41	8.87	13.00
			39750	1RB#49	26.60	17.81	8.79	13.00
			39750	1RB#0	26.12	17.30	8.82	13.00
			39750	50RB#0	26.18	16.71	9.47	13.00
			39750	50RB#25	26.11	16.68	9.43	13.00
			39750	50RB#50	26.14	16.71	9.43	13.00
			39750	100RB#0	26.82	16.60	10.22	13.00
			40620	1RB#0	26.33	17.46	8.87	13.00
			40620	1RB#99	26.24	17.54	8.70	13.00
			40620	1RB#49	26.37	17.76	8.61	13.00
			40620	50RB#50	26.05	16.50	9.55	13.00
			40620	50RB#0	26.05	16.49	9.56	13.00
			40620	50RB#25	26.07	16.59	9.48	13.00
			40620	100RB#0	27.01	16.44	10.57	13.00
			41490	1RB#49	25.73	17.12	8.61	13.00
			41490	1RB#0	26.20	17.39	8.81	13.00
			41490	1RB#99	25.64	16.94	8.70	13.00
			41490	50RB#0	25.76	16.46	9.30	13.00
			41490	50RB#50	25.68	16.28	9.40	13.00
			41490	50RB#25	25.64	16.21	9.43	13.00
			41490	100RB#0	26.31	16.29	10.02	13.00
		16QAM	39750	1RB#99	26.35	17.38	8.97	13.00
			39750	1RB#0	26.11	17.32	8.79	13.00
			39750	1RB#49	26.55	17.83	8.72	13.00
			39750	50RB#50	26.14	16.72	9.42	13.00
			39750	50RB#25	25.59	16.56	9.03	13.00
			39750	50RB#0	26.20	15.82	10.38	13.00
			39750	100RB#0	27.08	15.87	11.21	13.00
			40620	1RB#99	26.48	16.82	9.66	13.00
			40620	1RB#0	26.38	16.73	9.65	13.00
			40620	1RB#49	26.85	17.31	9.54	13.00
			40620	50RB#50	26.07	15.68	10.39	13.00
			40620	50RB#0	26.15	15.70	10.45	13.00
			40620	50RB#25	26.33	15.90	10.43	13.00
			40620	100RB#0	26.84	15.75	11.09	13.00
			41490	1RB#49	26.99	17.41	9.58	13.00
			41490	1RB#0	26.61	17.03	9.58	13.00
			41490	1RB#99	26.47	16.78	9.69	13.00
			41490	50RB#0	26.95	15.58	11.37	13.00
			41490	50RB#25	25.80	15.51	10.29	13.00
			41490	50RB#50	25.81	15.48	10.33	13.00
			41490	100RB#0	26.54	15.50	11.04	13.00

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Test Results for WCDMA:

Band	Channel Number	Measured Average Power (dBm)	Measured peak Power (dBm)	PAPR (dB)	Limit (dB)
4	1312	22.46	26.10	3.64	13.00
	1413	22.34	26.18	3.84	13.00
	1513	22.38	26.12	3.74	13.00

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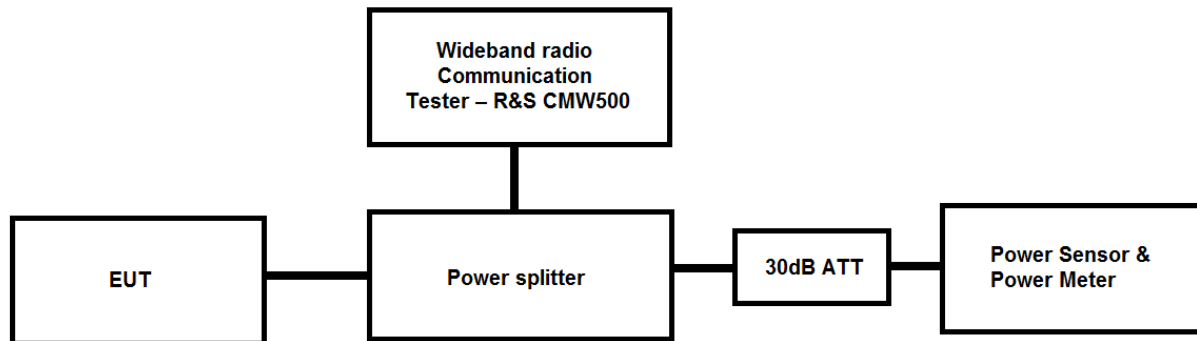
7.2 EFFECTIVE (ISOTROPIC) RADIATED POWER

Result

Pass

Specification	FCC Part §2.1046, §27.50(h), §27.50(c), §27.50(b) RSS-Gen, §6.12; RSS-130, §4.4 ANSI C63.26-2015
Test Method / Procedure	As per subclause 5 in 971168 D01 Power Meas License Digital Systems v03r01
Detector Function	Average
Requirement	specifies that "Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP" 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP" Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP."

Test Setup:



Environmental Conditions:

Temperature: +22.5°C

Voltage: 12VDC through AC-DC Adapter

Relative Humidity: 62%

KDB Guidelines applied:

Measurements were made as per section 5.2.4 in KDB 971168 D01 Power Meas License Digital Systems v03r01

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Note:

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Average Output power (dBm) = Measured Average power (dBm) + Attenuator factor (30dB) + Power Splitter (3.3 dB) + Cable loss (1dB)
3. For getting the EIRP (Equivalent Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP (dBm) = Conducted power (dBm) + Antenna gain (dBd)

EIRP (dBm) = Conducted power (dBm) + Antenna gain (dBi)

Test Results:

Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	EIRP (dBm)	Limit (dBm)
4	1.4	QPSK	19957	1RB#0	22.63	24.93	30.00
			19957	1RB#2	22.57	24.87	30.00
			19957	1RB#5	22.46	24.76	30.00
			19957	3RB#0	23.27	25.57	30.00
			19957	3RB#1	23.21	25.51	30.00
			19957	3RB#3	23.17	25.47	30.00
			19957	6RB#0	23.91	26.21	30.00
			20175	1RB#0	22.69	24.99	30.00
			20175	1RB#2	22.28	24.58	30.00
			20175	1RB#5	22.97	25.27	30.00
			20175	3RB#0	23.90	26.20	30.00
			20175	3RB#1	23.92	26.22	30.00
			20175	3RB#3	23.91	26.21	30.00
			20175	6RB#0	23.86	26.16	30.00
			20393	1RB#0	23.73	26.03	30.00
			20393	1RB#2	23.81	26.11	30.00
			20393	1RB#5	23.75	26.05	30.00
			20393	3RB#0	23.70	26.00	30.00
			20393	3RB#1	22.42	24.72	30.00
			20393	3RB#3	22.25	24.55	30.00
			20393	6RB#0	22.23	24.53	30.00
		16QAM	19957	1RB#0	22.99	25.29	30.00
			19957	1RB#2	23.00	25.30	30.00
			19957	1RB#5	22.94	25.24	30.00
			19957	3RB#0	23.88	26.18	30.00
			19957	3RB#1	23.87	26.17	30.00
			19957	3RB#3	23.28	25.58	30.00
			19957	6RB#0	23.64	25.94	30.00
			20175	1RB#0	22.94	25.24	30.00
			20175	1RB#2	22.34	24.64	30.00
			20175	1RB#5	23.14	25.44	30.00
			20175	3RB#0	22.31	24.61	30.00
			20175	3RB#1	23.96	26.26	30.00
			20175	3RB#3	23.96	26.26	30.00
			20175	6RB#0	23.91	26.21	30.00
			20393	1RB#0	22.87	25.17	30.00
			20393	1RB#2	22.90	25.20	30.00
			20393	1RB#5	22.86	25.16	30.00
			20393	3RB#0	24.06	26.36	30.00
			20393	3RB#1	24.10	26.40	30.00
			20393	3RB#3	23.99	26.29	30.00
			20393	6RB#0	23.12	25.42	30.00

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4	3	QPSK	19965	1RB#0	23.15	25.45	30.00
			19965	1RB#8	23.12	25.42	30.00
			19965	1RB#14	22.98	25.28	30.00
			19965	8RB#0	23.73	26.03	30.00
			19965	8RB#4	23.57	25.87	30.00
			19965	8RB#7	23.53	25.83	30.00
			19965	15RB#0	23.43	25.73	30.00
			20175	1RB#0	22.83	25.13	30.00
			20175	1RB#8	22.70	25.00	30.00
			20175	1RB#14	22.19	24.49	30.00
			20175	8RB#0	24.16	26.46	30.00
			20175	8RB#4	24.05	26.35	30.00
			20175	8RB#7	24.06	26.36	30.00
			20175	15RB#0	24.24	26.54	30.00
			20385	1RB#0	22.48	24.78	30.00
			20385	1RB#8	22.79	25.09	30.00
			20385	1RB#14	22.73	25.03	30.00
			20385	8RB#0	23.45	25.75	30.00
			20385	8RB#4	23.13	25.43	30.00
			20385	8RB#7	22.96	25.26	30.00
			20385	15RB#0	23.65	25.95	30.00
		16QAM	19965	1RB#0	22.61	24.91	30.00
			19965	1RB#8	22.68	24.98	30.00
			19965	1RB#14	22.32	24.62	30.00
			19965	8RB#0	23.12	25.42	30.00
			19965	8RB#4	23.12	25.42	30.00
			19965	8RB#7	23.19	25.49	30.00
			19965	15RB#0	23.33	25.63	30.00
			20175	1RB#0	23.66	25.96	30.00
			20175	1RB#8	23.24	25.54	30.00
			20175	1RB#14	23.15	25.45	30.00
			20175	8RB#0	23.36	25.66	30.00
			20175	8RB#4	23.18	25.48	30.00
			20175	8RB#7	23.39	25.69	30.00
			20175	15RB#0	23.39	25.69	30.00
			20385	1RB#0	23.23	25.53	30.00
			20385	1RB#8	23.13	25.43	30.00
			20385	1RB#14	23.37	25.67	30.00
			20385	8RB#0	24.08	26.38	30.00
			20385	8RB#4	24.28	26.58	30.00
			20385	8RB#7	24.26	26.56	30.00
			20385	15RB#0	24.09	26.39	30.00

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4	5	QPSK	19975	1RB#0	22.54	24.84	30.00
			19975	1RB#12	22.98	25.28	30.00
			19975	1RB#24	22.82	25.12	30.00
			19975	12RB#0	23.72	26.02	30.00
			19975	12RB#6	23.25	25.55	30.00
			19975	12RB#13	23.23	25.53	30.00
			19975	25RB#0	24.13	26.43	30.00
			20175	1RB#0	22.23	24.53	30.00
			20175	1RB#12	23.00	25.30	30.00
			20175	1RB#24	22.65	24.95	30.00
			20175	12RB#0	23.87	26.17	30.00
			20175	12RB#6	23.74	26.04	30.00
			20175	12RB#13	22.68	24.98	30.00
			20175	25RB#0	24.21	26.51	30.00
			20375	1RB#0	22.46	24.76	30.00
			20375	1RB#12	22.63	24.93	30.00
			20375	1RB#24	22.68	24.98	30.00
			20375	12RB#0	24.14	26.44	30.00
			20375	12RB#6	24.23	26.53	30.00
			20375	12RB#13	24.21	26.51	30.00
			20375	25RB#0	24.17	26.47	30.00
		16QAM	19975	1RB#0	22.61	24.91	30.00
			19975	1RB#12	22.53	24.83	30.00
			19975	1RB#24	23.22	25.52	30.00
			19975	12RB#0	24.02	26.32	30.00
			19975	12RB#6	23.96	26.26	30.00
			19975	12RB#13	23.85	26.15	30.00
			19975	25RB#0	24.19	26.49	30.00
			20175	1RB#0	22.95	25.25	30.00
			20175	1RB#12	22.87	25.17	30.00
			20175	1RB#24	22.54	24.84	30.00
			20175	12RB#0	23.81	26.11	30.00
			20175	12RB#6	23.64	25.94	30.00
			20175	12RB#13	23.62	25.92	30.00
			20175	25RB#0	23.56	25.86	30.00
			20375	1RB#0	22.76	25.06	30.00
			20375	1RB#12	22.64	24.94	30.00
			20375	1RB#24	22.41	24.71	30.00
			20375	12RB#0	23.26	25.56	30.00
			20375	12RB#6	22.95	25.25	30.00
			20375	12RB#13	23.17	25.47	30.00
			20375	25RB#0	23.28	25.58	30.00

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4	10	QPSK	20000	1RB#0	22.22	24.52	30.00
			20000	1RB#24	23.59	25.89	30.00
			20000	1RB#49	23.12	25.42	30.00
			20000	25RB#0	24.11	26.41	30.00
			20000	25RB#12	23.31	25.61	30.00
			20000	25RB#25	23.21	25.51	30.00
			20000	50RB#0	23.99	26.29	30.00
			20175	1RB#0	22.54	24.84	30.00
			20175	1RB#24	23.07	25.37	30.00
			20175	1RB#49	22.72	25.02	30.00
			20175	25RB#0	23.88	26.18	30.00
			20175	25RB#12	23.47	25.77	30.00
			20175	25RB#25	23.43	25.73	30.00
			20175	50RB#0	23.65	25.95	30.00
			20350	1RB#0	22.61	24.91	30.00
			20350	1RB#24	23.72	26.02	30.00
			20350	1RB#49	23.08	25.38	30.00
			20350	25RB#0	24.12	26.42	30.00
			20350	25RB#12	23.52	25.82	30.00
			20350	25RB#25	23.50	25.80	30.00
			20350	50RB#0	24.23	26.53	30.00
		16QAM	20000	1RB#0	23.06	25.36	30.00
			20000	1RB#24	23.75	26.05	30.00
			20000	1RB#49	23.25	25.55	30.00
			20000	25RB#0	23.76	26.06	30.00
			20000	25RB#12	23.82	26.12	30.00
			20000	25RB#25	23.81	26.11	30.00
			20000	50RB#0	23.68	25.98	30.00
			20175	1RB#0	23.12	25.42	30.00
			20175	1RB#24	23.60	25.90	30.00
			20175	1RB#49	23.24	25.54	30.00
			20175	25RB#0	23.92	26.22	30.00
			20175	25RB#12	23.48	25.78	30.00
			20175	25RB#25	23.48	25.78	30.00
			20175	50RB#0	23.61	25.91	30.00
			20350	1RB#0	22.65	24.95	30.00
			20350	1RB#24	23.79	26.09	30.00
			20350	1RB#49	23.17	25.47	30.00
			20350	25RB#0	23.96	26.26	30.00
			20350	25RB#12	23.48	25.78	30.00
			20350	25RB#25	23.49	25.79	30.00
			20350	50RB#0	24.15	26.45	30.00

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4	15	QPSK	20025	1RB#0	22.55	24.85	30.00
			20025	1RB#38	23.56	25.86	30.00
			20025	1RB#74	23.21	25.51	30.00
			20025	36RB#0	24.11	26.41	30.00
			20025	36RB#18	23.58	25.88	30.00
			20025	36RB#39	23.58	25.88	30.00
			20025	75RB#0	24.06	26.36	30.00
			20175	1RB#0	23.01	25.31	30.00
			20175	1RB#38	23.44	25.74	30.00
			20175	1RB#74	23.11	25.41	30.00
			20175	36RB#0	23.23	25.53	30.00
			20175	36RB#18	23.08	25.38	30.00
			20175	36RB#39	23.09	25.39	30.00
			20175	75RB#0	24.22	26.52	30.00
			20325	1RB#0	22.28	24.58	30.00
			20325	1RB#38	23.02	25.32	30.00
			20325	1RB#74	22.50	24.80	30.00
			20325	36RB#0	24.07	26.37	30.00
			20325	36RB#18	24.17	26.47	30.00
			20325	36RB#39	24.16	26.46	30.00
			20325	75RB#0	24.19	26.49	30.00
		16QAM	20025	1RB#0	23.20	25.50	30.00
			20025	1RB#38	23.48	25.78	30.00
			20025	1RB#74	23.16	25.46	30.00
			20025	36RB#0	22.82	25.12	30.00
			20025	36RB#18	23.26	25.56	30.00
			20025	36RB#39	22.43	24.73	30.00
			20025	75RB#0	23.42	25.72	30.00
			20175	1RB#0	23.00	25.30	30.00
			20175	1RB#38	23.62	25.92	30.00
			20175	1RB#74	23.27	25.57	30.00
			20175	36RB#0	23.55	25.85	30.00
			20175	36RB#18	23.29	25.59	30.00
			20175	36RB#39	23.38	25.68	30.00
			20175	75RB#0	23.42	25.72	30.00
			20325	1RB#0	23.08	25.38	30.00
			20325	1RB#38	23.05	25.35	30.00
			20325	1RB#74	22.51	24.81	30.00
			20325	36RB#0	23.15	25.45	30.00
			20325	36RB#18	23.04	25.34	30.00
			20325	36RB#39	23.41	25.71	30.00
			20325	75RB#0	23.19	25.49	30.00

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4	20	QPSK	20050	1RB#0	22.30	24.60	30.00
			20050	1RB#49	23.35	25.65	30.00
			20050	1RB#99	22.78	25.08	30.00
			20050	50RB#0	23.61	25.91	30.00
			20050	50RB#25	24.03	26.33	30.00
			20050	50RB#50	23.98	26.28	30.00
			20050	100RB#0	23.77	26.07	30.00
			20175	1RB#0	22.96	25.26	30.00
			20175	1RB#49	23.41	25.71	30.00
			20175	1RB#99	23.07	25.37	30.00
			20175	50RB#0	23.41	25.71	30.00
			20175	50RB#25	23.06	25.36	30.00
			20175	50RB#50	23.07	25.37	30.00
			20175	100RB#0	24.01	26.31	30.00
			20300	1RB#0	22.29	24.59	30.00
			20300	1RB#49	23.08	25.38	30.00
			20300	1RB#99	22.34	24.64	30.00
			20300	50RB#0	24.11	26.41	30.00
			20300	50RB#25	24.18	26.48	30.00
			20300	50RB#50	22.97	25.27	30.00
			20300	100RB#0	24.06	26.36	30.00
		16QAM	20050	1RB#0	23.42	25.72	30.00
			20050	1RB#49	23.83	26.13	30.00
			20050	1RB#99	23.31	25.61	30.00
			20050	50RB#0	23.83	26.13	30.00
			20050	50RB#25	23.70	26.00	30.00
			20050	50RB#50	23.69	25.99	30.00
			20050	100RB#0	23.72	26.02	30.00
			20175	1RB#0	22.88	25.18	30.00
			20175	1RB#49	23.50	25.80	30.00
			20175	1RB#99	23.16	25.46	30.00
			20175	50RB#0	23.57	25.87	30.00
			20175	50RB#25	23.24	25.54	30.00
			20175	50RB#50	23.29	25.59	30.00
			20175	100RB#0	23.41	25.71	30.00
			20300	1RB#0	23.17	25.47	30.00
			20300	1RB#49	23.94	26.24	30.00
			20300	1RB#99	23.13	25.43	30.00
			20300	50RB#0	24.01	26.31	30.00
			20300	50RB#25	24.14	26.44	30.00
			20300	50RB#50	24.08	26.38	30.00
			20300	100RB#0	24.10	26.40	30.00

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7	5	QPSK	20775	1RB#0	22.40	25.20	33.00
			20775	1RB#12	22.64	25.44	33.00
			20775	1RB#24	22.31	25.11	33.00
			20775	12RB#0	23.63	26.43	33.00
			20775	12RB#6	23.67	26.47	33.00
			20775	12RB#13	23.59	26.39	33.00
			20775	25RB#0	23.77	26.57	33.00
			21100	1RB#0	22.94	25.74	33.00
			21100	1RB#12	23.07	25.87	33.00
			21100	1RB#24	22.66	25.46	33.00
			21100	12RB#0	23.83	26.63	33.00
			21100	12RB#6	23.76	26.56	33.00
			21100	12RB#13	23.72	26.52	33.00
			21100	25RB#0	24.25	27.05	33.00
			21425	1RB#0	23.94	26.74	33.00
			21425	1RB#12	23.62	26.42	33.00
			21425	1RB#24	22.89	25.69	33.00
			21425	12RB#0	23.91	26.71	33.00
			21425	12RB#6	23.87	26.67	33.00
			21425	12RB#13	23.84	26.64	33.00
			21425	25RB#0	23.88	26.68	33.00
		16QAM	20775	1RB#0	23.04	25.84	33.00
			20775	1RB#12	23.22	26.02	33.00
			20775	1RB#24	22.82	25.62	33.00
			20775	12RB#0	22.74	25.54	33.00
			20775	12RB#6	22.78	25.58	33.00
			20775	12RB#13	22.75	25.55	33.00
			20775	25RB#0	22.92	25.72	33.00
			21100	1RB#0	23.33	26.13	33.00
			21100	1RB#12	23.48	26.28	33.00
			21100	1RB#24	23.00	25.80	33.00
			21100	12RB#0	23.10	25.90	33.00
			21100	12RB#6	23.10	25.90	33.00
			21100	12RB#13	23.45	26.25	33.00
			21100	25RB#0	23.31	26.11	33.00
			21425	1RB#0	23.88	26.68	33.00
			21425	1RB#12	24.65	27.45	33.00
			21425	1RB#24	23.92	26.72	33.00
			21425	12RB#0	23.46	26.26	33.00
			21425	12RB#6	23.51	26.31	33.00
			21425	12RB#13	22.52	25.32	33.00
			21425	25RB#0	23.32	26.12	33.00

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7	10	QPSK	20800	1RB#24	22.39	25.19	33.00
			20800	1RB#49	23.07	25.87	33.00
			20800	1RB#0	23.05	25.85	33.00
			20800	25RB#0	23.94	26.74	33.00
			20800	25RB#12	23.85	26.65	33.00
			20800	25RB#25	23.91	26.71	33.00
			20800	50RB#0	23.98	26.78	33.00
			21100	1RB#24	22.36	25.16	33.00
			21100	1RB#49	22.98	25.78	33.00
			21100	1RB#0	22.68	25.48	33.00
			21100	25RB#0	23.62	26.42	33.00
			21100	25RB#12	23.44	26.24	33.00
			21100	25RB#25	23.43	26.23	33.00
			21100	50RB#0	23.56	26.36	33.00
			21400	1RB#24	22.95	25.75	33.00
			21400	1RB#49	22.92	25.72	33.00
			21400	1RB#0	23.01	25.81	33.00
			21400	25RB#0	23.59	26.39	33.00
			21400	25RB#12	23.72	26.52	33.00
			21400	25RB#25	23.78	26.58	33.00
			21400	50RB#0	23.56	26.36	33.00
		16QAM	20800	1RB#24	23.10	25.90	33.00
			20800	1RB#49	23.76	26.56	33.00
			20800	1RB#0	22.84	25.64	33.00
			20800	25RB#0	22.77	25.57	33.00
			20800	25RB#12	22.60	25.40	33.00
			20800	25RB#25	22.59	25.39	33.00
			20800	50RB#0	22.90	25.70	33.00
			21100	1RB#24	22.50	25.30	33.00
			21100	1RB#49	23.06	25.86	33.00
			21100	1RB#0	22.77	25.57	33.00
			21100	25RB#0	23.76	26.56	33.00
			21100	25RB#12	23.51	26.31	33.00
			21100	25RB#25	23.41	26.21	33.00
			21100	50RB#0	23.65	26.45	33.00
			21400	1RB#24	23.05	25.85	33.00
			21400	1RB#49	22.91	25.71	33.00
			21400	1RB#0	23.05	25.85	33.00
			21400	25RB#0	23.15	25.95	33.00
			21400	25RB#12	23.63	26.43	33.00
			21400	25RB#25	23.70	26.50	33.00
			21400	50RB#0	23.41	26.21	33.00

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7	15	QPSK	20825	1RB#0	23.10	25.90	33.00
			20825	1RB#38	23.65	26.45	33.00
			20825	1RB#74	23.90	26.70	33.00
			20825	36RB#0	24.09	26.89	33.00
			20825	36RB#18	24.10	26.90	33.00
			20825	36RB#39	23.92	26.72	33.00
			20825	75RB#0	24.07	26.87	33.00
			21100	1RB#0	22.89	25.69	33.00
			21100	1RB#38	23.10	25.90	33.00
			21100	1RB#74	22.21	25.01	33.00
			21100	36RB#0	24.15	26.95	33.00
			21100	36RB#18	23.72	26.52	33.00
			21100	36RB#39	23.65	26.45	33.00
			21100	75RB#0	24.19	26.99	33.00
			21375	1RB#0	22.78	25.58	33.00
			21375	1RB#38	23.70	26.50	33.00
			21375	1RB#74	23.21	26.01	33.00
			21375	36RB#0	24.00	26.80	33.00
			21375	36RB#18	23.47	26.27	33.00
			21375	36RB#39	24.15	26.95	33.00
			21375	75RB#0	25.22	28.02	33.00
		16QAM	20825	1RB#0	23.25	26.05	33.00
			20825	1RB#38	23.67	26.47	33.00
			20825	1RB#74	23.21	26.01	33.00
			20825	36RB#0	23.11	25.91	33.00
			20825	36RB#18	23.01	25.81	33.00
			20825	36RB#39	23.04	25.84	33.00
			20825	75RB#0	23.16	25.96	33.00
			21100	1RB#0	23.24	26.04	33.00
			21100	1RB#38	23.65	26.45	33.00
			21100	1RB#74	23.41	26.21	33.00
			21100	36RB#0	23.28	26.08	33.00
			21100	36RB#18	23.22	26.02	33.00
			21100	36RB#39	23.20	26.00	33.00
			21100	75RB#0	23.28	26.08	33.00
			21375	1RB#0	23.24	26.04	33.00
			21375	1RB#38	24.18	26.98	33.00
			21375	1RB#74	23.16	25.96	33.00
			21375	36RB#0	23.23	26.03	33.00
			21375	36RB#18	23.54	26.34	33.00
			21375	36RB#39	23.53	26.33	33.00
			21375	75RB#0	23.47	26.27	33.00

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7	20	QPSK	20850	1RB#99	23.52	26.32	33.00
			20850	1RB#49	23.75	26.55	33.00
			20850	1RB#0	23.72	26.52	33.00
			20850	50RB#0	22.64	25.44	33.00
			20850	50RB#25	24.05	26.85	33.00
			20850	50RB#50	24.02	26.82	33.00
			20850	100RB#0	24.11	26.91	33.00
			21100	1RB#99	23.81	26.61	33.00
			21100	1RB#49	23.77	26.57	33.00
			21100	1RB#0	23.70	26.50	33.00
			21100	50RB#0	23.55	26.35	33.00
			21100	50RB#25	23.08	25.88	33.00
			21100	50RB#50	23.07	25.87	33.00
			21100	100RB#0	24.21	27.01	33.00
			21350	1RB#99	22.71	25.51	33.00
			21350	1RB#49	24.26	27.06	33.00
			21350	1RB#0	23.39	26.19	33.00
			21350	50RB#0	24.15	26.95	33.00
			21350	50RB#25	23.13	25.93	33.00
			21350	50RB#50	23.02	25.82	33.00
			21350	100RB#0	24.02	26.82	33.00
		16QAM	20850	1RB#99	23.71	26.51	33.00
			20850	1RB#49	23.86	26.66	33.00
			20850	1RB#0	22.86	25.66	33.00
			20850	50RB#0	23.24	26.04	33.00
			20850	50RB#25	23.06	25.86	33.00
			20850	50RB#50	23.50	26.30	33.00
			20850	100RB#0	23.06	25.86	33.00
			21100	1RB#99	23.12	25.92	33.00
			21100	1RB#49	24.03	26.83	33.00
			21100	1RB#0	23.33	26.13	33.00
			21100	50RB#0	23.34	26.14	33.00
			21100	50RB#25	23.22	26.02	33.00
			21100	50RB#50	23.27	26.07	33.00
			21100	100RB#0	23.31	26.11	33.00
			21350	1RB#99	22.80	25.60	33.00
			21350	1RB#49	23.41	26.21	33.00
			21350	1RB#0	23.53	26.33	33.00
			21350	50RB#0	22.41	25.21	33.00
			21350	50RB#25	22.90	25.70	33.00
			21350	50RB#50	23.23	26.03	33.00
			21350	100RB#0	23.85	26.65	33.00

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12	1.4MHz	QPSK	23017	1RB#0	22.28	21.53	34.77
			23017	1RB#2	22.41	21.66	34.77
			23017	1RB#5	22.56	21.81	34.77
			23017	3RB#0	23.23	22.48	34.77
			23017	3RB#1	23.31	22.56	34.77
			23017	3RB#3	23.46	22.71	34.77
			23017	6RB#0	23.31	22.56	34.77
			23095	1RB#0	22.44	21.69	34.77
			23095	1RB#5	22.31	21.56	34.77
			23095	1RB#2	22.28	21.53	34.77
			23095	3RB#0	22.39	21.64	34.77
			23095	3RB#1	22.34	21.59	34.77
			23095	3RB#3	22.33	21.58	34.77
			23095	6RB#0	24.09	23.34	34.77
			23173	1RB#5	22.48	21.73	34.77
			23173	1RB#0	22.64	21.89	34.77
			23173	1RB#2	22.55	21.80	34.77
			23173	3RB#0	23.49	22.74	34.77
			23173	3RB#1	23.49	22.74	34.77
			23173	3RB#3	23.50	22.75	34.77
			23173	6RB#0	23.44	22.69	34.77
		16QAM	23017	1RB#0	23.13	22.38	34.77
			23017	1RB#2	23.24	22.49	34.77
			23017	1RB#5	23.12	22.37	34.77
			23017	3RB#1	23.90	23.15	34.77
			23017	3RB#0	24.19	23.44	34.77
			23017	3RB#3	24.14	23.39	34.77
			23017	6RB#0	23.73	22.98	34.77
			23095	1RB#0	22.60	21.85	34.77
			23095	1RB#2	22.50	21.75	34.77
			23095	1RB#5	22.43	21.68	34.77
			23095	3RB#3	24.05	23.30	34.77
			23095	3RB#0	23.98	23.23	34.77
			23095	3RB#1	23.19	22.44	34.77
			23095	6RB#0	24.01	23.26	34.77
			23173	1RB#2	22.52	21.77	34.77
			23173	1RB#0	22.65	21.90	34.77
			23173	1RB#5	22.58	21.83	34.77
			23173	3RB#0	23.60	22.85	34.77
			23173	3RB#1	23.53	22.78	34.77
			23173	3RB#3	23.48	22.73	34.77
			23173	6RB#0	23.38	22.63	34.77

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12	3MHz	QPSK	23025	1RB#8	24.51	23.76	34.77
			23025	1RB#14	22.59	21.84	34.77
			23025	1RB#0	23.14	22.39	34.77
			23025	8RB#0	23.31	22.56	34.77
			23025	8RB#4	23.59	22.84	34.77
			23025	8RB#7	23.52	22.77	34.77
			23025	15RB#0	23.27	22.52	34.77
			23095	1RB#0	22.73	21.98	34.77
			23095	1RB#14	22.84	22.09	34.77
			23095	1RB#8	22.70	21.95	34.77
			23095	8RB#7	23.86	23.11	34.77
			23095	8RB#0	23.62	22.87	34.77
			23095	8RB#4	23.65	22.90	34.77
			23095	15RB#0	23.72	22.97	34.77
			23165	1RB#8	22.34	21.59	34.77
			23165	1RB#0	22.28	21.53	34.77
			23165	1RB#14	22.26	21.51	34.77
			23165	8RB#0	24.02	23.27	34.77
			23165	8RB#7	23.88	23.13	34.77
			23165	8RB#4	23.88	23.13	34.77
			23165	15RB#0	23.95	23.20	34.77
		16QAM	23025	1RB#14	22.85	22.10	34.77
			23025	1RB#0	23.41	22.66	34.77
			23025	1RB#8	23.61	22.86	34.77
			23025	8RB#7	23.93	23.18	34.77
			23025	8RB#4	24.01	23.26	34.77
			23025	8RB#0	24.05	23.30	34.77
			23025	15RB#0	23.70	22.95	34.77
			23095	1RB#14	22.98	22.23	34.77
			23095	1RB#0	22.68	21.93	34.77
			23095	1RB#8	22.64	21.89	34.77
			23095	8RB#7	23.80	23.05	34.77
			23095	8RB#0	23.70	22.95	34.77
			23095	8RB#4	24.08	23.33	34.77
			23095	15RB#0	24.05	23.30	34.77
			23165	1RB#8	22.84	22.09	34.77
			23165	1RB#0	23.54	22.79	34.77
			23165	1RB#14	23.71	22.96	34.77
			23165	8RB#0	23.77	23.02	34.77
			23165	8RB#4	23.86	23.11	34.77
			23165	8RB#7	23.59	22.84	34.77
			23165	15RB#0	23.55	22.80	34.77

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12	5MHz	QPSK	23035	1RB#0	19.10	18.35	34.77
			23035	1RB#13	17.28	16.53	34.77
			23035	1RB#24	17.78	17.03	34.77
			23035	12RB#0	16.53	15.78	34.77
			23035	12RB#13	23.87	23.12	34.77
			23035	25RB#0	24.24	23.49	34.77
			23095	1RB#0	22.52	21.77	34.77
			23095	1RB#24	22.72	21.97	34.77
			23095	1RB#12	22.28	21.53	34.77
			23095	12RB#0	23.63	22.88	34.77
			23095	12RB#6	23.54	22.79	34.77
			23095	12RB#13	23.53	22.78	34.77
			23095	25RB#0	23.62	22.87	34.77
			23155	1RB#24	22.40	21.65	34.77
			23155	1RB#0	22.50	21.75	34.77
			23155	1RB#12	23.06	22.31	34.77
			23155	12RB#0	24.21	23.46	34.77
			23155	12RB#6	24.05	23.30	34.77
			23155	12RB#13	24.05	23.30	34.77
			23155	25RB#0	24.05	23.30	34.77
		16QAM	23025	1RB#0	15.42	14.67	34.77
			23025	1RB#13	15.60	14.85	34.77
			23025	1RB#24	16.02	15.27	34.77
			23025	12RB#0	15.31	14.56	34.77
			23025	12RB#13	15.58	14.83	34.77
			23025	25RB#0	15.39	14.64	34.77
			23095	1RB#0	22.72	21.97	34.77
			23095	1RB#12	22.88	22.13	34.77
			23095	1RB#24	22.41	21.66	34.77
			23095	12RB#13	23.86	23.11	34.77
			23095	12RB#0	23.54	22.79	34.77
			23095	12RB#6	23.52	22.77	34.77
			23095	25RB#0	23.79	23.04	34.77
			23155	1RB#12	23.29	22.54	34.77
			23155	1RB#0	23.57	22.82	34.77
			23155	1RB#24	23.16	22.41	34.77
			23155	12RB#0	24.07	23.32	34.77
			23155	12RB#6	23.91	23.16	34.77
			23155	12RB#13	23.91	23.16	34.77
			23155	25RB#0	23.93	23.18	34.77

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12	10MHz	QPSK	23060	1RB#49	22.24	21.49	34.77
			23060	1RB#24	23.38	22.63	34.77
			23060	1RB#0	22.24	21.49	34.77
			23060	25RB#0	23.30	22.55	34.77
			23060	25RB#12	23.64	22.89	34.77
			23060	25RB#25	23.88	23.13	34.77
			23060	50RB#0	23.53	22.78	34.77
			23095	1RB#0	22.56	21.81	34.77
			23095	1RB#49	23.56	22.81	34.77
			23095	1RB#24	22.38	21.63	34.77
			23095	25RB#25	23.39	22.64	34.77
			23095	25RB#0	23.04	22.29	34.77
			23095	25RB#12	23.04	22.29	34.77
			23095	50RB#0	24.17	23.42	34.77
			23130	1RB#24	22.90	22.15	34.77
			23130	1RB#0	23.14	22.39	34.77
			23130	1RB#49	22.93	22.18	34.77
			23130	25RB#0	24.14	23.39	34.77
			23130	25RB#25	23.55	22.80	34.77
			23130	25RB#12	23.56	22.81	34.77
			23130	50RB#0	23.82	23.07	34.77
	10MHz	16QAM	23060	1RB#49	23.14	22.39	34.77
			23060	1RB#0	23.32	22.57	34.77
			23060	1RB#24	23.44	22.69	34.77
			23060	25RB#25	23.90	23.15	34.77
			23060	25RB#12	24.02	23.27	34.77
			23060	25RB#0	24.05	23.30	34.77
			23060	50RB#0	23.92	23.17	34.77
			23095	1RB#49	22.79	22.04	34.77
			23095	1RB#0	23.85	23.10	34.77
			23095	1RB#24	23.33	22.58	34.77
			23095	25RB#25	24.10	23.35	34.77
			23095	25RB#0	23.70	22.95	34.77
			23095	25RB#12	23.68	22.93	34.77
			23095	50RB#0	23.88	23.13	34.77
			23130	1RB#24	22.95	22.20	34.77
			23130	1RB#0	23.17	22.42	34.77
			23130	1RB#49	22.90	22.15	34.77
			23130	25RB#0	24.02	23.27	34.77
			23130	25RB#12	23.82	23.07	34.77
			23130	25RB#25	23.83	23.08	34.77
			23130	50RB#0	23.68	22.93	34.77

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13	5MHz	QPSK	23205	1RB#12	23.09	22.34	34.77
			23205	1RB#24	23.29	22.54	34.77
			23205	1RB#0	22.82	22.07	34.77
			23205	12RB#0	23.04	22.29	34.77
			23205	12RB#6	23.99	23.24	34.77
			23205	12RB#13	23.19	22.44	34.77
			23205	25RB#0	23.90	23.15	34.77
			23230	1RB#0	22.58	21.83	34.77
			23230	1RB#12	22.87	22.12	34.77
			23230	1RB#24	22.18	21.43	34.77
			23230	12RB#0	23.17	22.42	34.77
			23230	12RB#6	23.25	22.50	34.77
			23230	12RB#13	23.27	22.52	34.77
			23230	25RB#0	23.15	22.40	34.77
			23255	1RB#24	23.19	22.44	34.77
			23255	1RB#0	23.10	22.35	34.77
			23255	1RB#12	22.91	22.16	34.77
			23255	12RB#6	24.16	23.41	34.77
			23255	12RB#0	24.03	23.28	34.77
			23255	12RB#13	23.99	23.24	34.77
			23255	25RB#0	24.12	23.37	34.77
		16QAM	23205	1RB#12	22.75	22.00	34.77
			23205	1RB#0	22.91	22.16	34.77
			23205	1RB#24	23.14	22.39	34.77
			23205	12RB#13	24.02	23.27	34.77
			23205	12RB#6	24.12	23.37	34.77
			23205	12RB#0	24.11	23.36	34.77
			23205	25RB#0	24.11	23.36	34.77
			23230	1RB#0	22.64	21.89	34.77
			23230	1RB#12	22.55	21.80	34.77
			23230	1RB#24	22.87	22.12	34.77
			23230	12RB#0	24.08	23.33	34.77
			23230	12RB#6	23.94	23.19	34.77
			23230	12RB#13	23.91	23.16	34.77
			23230	25RB#0	24.17	23.42	34.77
			23255	1RB#0	23.02	22.27	34.77
			23255	1RB#12	22.97	22.22	34.77
			23255	1RB#24	22.42	21.67	34.77
			23255	12RB#13	23.85	23.10	34.77
			23255	12RB#0	23.59	22.84	34.77
			23255	12RB#6	23.87	23.12	34.77
			23255	25RB#0	24.09	23.34	34.77

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13	10MHz	QPSK	23230	1RB#49	22.21	21.46	34.77
			23230	1RB#24	23.85	23.10	34.77
			23230	1RB#0	22.23	21.48	34.77
			23230	25RB#0	23.85	23.10	34.77
			23230	25RB#12	23.41	22.66	34.77
			23230	25RB#25	23.38	22.63	34.77
			23230	50RB#0	23.51	22.76	34.77
		16QAM	23230	1RB#49	23.42	22.67	34.77
			23230	1RB#0	23.24	22.49	34.77
			23230	1RB#24	23.13	22.38	34.77
			23230	25RB#0	23.66	22.91	34.77
			23230	25RB#12	23.23	22.48	34.77
			23230	25RB#25	23.10	22.35	34.77
			23230	50RB#0	24.16	23.41	34.77

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38	5	QPSK	37775	1RB#0	22.44	25.24	33.00
			37775	1RB#13	22.54	25.34	33.00
			37775	1RB#24	22.78	25.58	33.00
			37775	12RB#0	22.38	25.18	33.00
			37775	12RB#13	22.30	25.10	33.00
			37775	25RB#0	22.26	25.06	33.00
			38000	1RB#0	22.39	25.19	33.00
			38000	1RB#13	22.59	25.39	33.00
			38000	1RB#24	23.66	26.46	33.00
			38000	12RB#0	21.47	24.27	33.00
			38000	12RB#13	21.44	24.24	33.00
			38000	25RB#0	21.60	24.40	33.00
			38225	1RB#0	22.63	25.43	33.00
			38225	1RB#13	22.39	25.19	33.00
			38225	1RB#24	22.92	25.72	33.00
			38225	12RB#0	21.44	24.24	33.00
			38225	12RB#13	21.75	24.55	33.00
			38225	25RB#0	21.93	24.73	33.00
		16QAM	37775	1RB#0	23.54	26.34	33.00
			37775	1RB#13	23.61	26.41	33.00
			37775	1RB#24	23.22	26.02	33.00
			37775	12RB#0	21.67	24.47	33.00
			37775	12RB#13	21.42	24.22	33.00
			37775	25RB#0	21.55	24.35	33.00
			38000	1RB#0	22.57	25.37	33.00
			38000	1RB#13	22.53	25.33	33.00
			38000	1RB#24	20.83	23.63	33.00
			38000	12RB#0	20.50	23.30	33.00
			38000	12RB#13	19.98	22.78	33.00
			38000	25RB#0	21.02	23.82	33.00
			38225	1RB#0	21.81	24.61	33.00
			38225	1RB#13	22.12	24.92	33.00
			38225	1RB#24	22.26	25.06	33.00
			38225	12RB#0	20.66	23.46	33.00
			38225	12RB#13	20.98	23.78	33.00
			38225	25RB#0	20.71	23.51	33.00

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38	10	QPSK	37800	1RB#25	22.57	25.37	33.00
			37800	1RB#49	23.60	26.40	33.00
			37800	1RB#0	23.08	25.88	33.00
			37800	25RB#0	23.17	25.97	33.00
			37800	25RB#25	22.88	25.68	33.00
			37800	50RB#0	22.44	25.24	33.00
			38000	1RB#25	22.75	25.55	33.00
			38000	1RB#49	22.78	25.58	33.00
			38000	1RB#0	24.11	26.91	33.00
			38000	25RB#0	21.66	24.46	33.00
			38000	25RB#25	21.62	24.42	33.00
			38000	50RB#0	21.56	24.36	33.00
			38200	1RB#25	23.25	26.05	33.00
			38200	1RB#49	22.36	25.16	33.00
			38200	1RB#0	22.11	24.91	33.00
			38200	25RB#0	22.00	24.80	33.00
			38200	25RB#25	22.11	24.91	33.00
			38200	50RB#0	23.12	25.92	33.00
		16QAM	37800	1RB#25	24.56	27.36	33.00
			37800	1RB#49	24.39	27.19	33.00
			37800	1RB#0	24.53	27.33	33.00
			37800	25RB#0	22.64	25.44	33.00
			37800	25RB#25	21.67	24.47	33.00
			37800	50RB#0	21.71	24.51	33.00
			38000	1RB#25	24.24	27.04	33.00
			38000	1RB#49	23.42	26.22	33.00
			38000	1RB#0	23.73	26.53	33.00
			38000	25RB#0	21.89	24.69	33.00
			38000	25RB#25	21.84	24.64	33.00
			38000	50RB#0	21.87	24.67	33.00
			38200	1RB#25	21.21	24.01	33.00
			38200	1RB#49	19.24	22.04	33.00
			38200	1RB#0	19.54	22.34	33.00
			38200	25RB#0	20.85	23.65	33.00
			38200	25RB#25	22.07	24.87	33.00
			38200	50RB#0	20.82	23.62	33.00

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38	15	QPSK	37825	1RB#0	23.63	26.43	33.00
			37825	1RB#38	23.24	26.04	33.00
			37825	1RB#74	23.57	26.37	33.00
			37825	36RB#0	22.76	25.56	33.00
			37825	36RB#39	22.27	25.07	33.00
			37825	75RB#0	22.55	25.35	33.00
			38000	1RB#0	22.54	25.34	33.00
			38000	1RB#38	22.28	25.08	33.00
			38000	1RB#74	22.72	25.52	33.00
			38000	36RB#0	21.88	24.68	33.00
			38000	36RB#39	21.65	24.45	33.00
			38000	75RB#0	21.76	24.56	33.00
			38175	1RB#0	23.02	25.82	33.00
			38175	1RB#38	22.82	25.62	33.00
			38175	1RB#74	23.05	25.85	33.00
			38175	36RB#0	23.12	25.92	33.00
			38175	36RB#39	23.21	26.01	33.00
			38175	75RB#0	23.05	25.85	33.00
		16QAM	37825	1RB#0	24.92	27.72	33.00
			37825	1RB#38	24.03	26.83	33.00
			37825	1RB#74	24.02	26.82	33.00
			37825	36RB#0	22.66	25.46	33.00
			37825	36RB#39	21.07	23.87	33.00
			37825	75RB#0	22.44	25.24	33.00
			38000	1RB#0	23.67	26.47	33.00
			38000	1RB#38	22.39	25.19	33.00
			38000	1RB#74	22.00	24.80	33.00
			38000	36RB#0	21.81	24.61	33.00
			38000	36RB#39	21.70	24.50	33.00
			38000	75RB#0	21.64	24.44	33.00
			38175	1RB#0	20.16	22.96	33.00
			38175	1RB#38	21.70	24.50	33.00
			38175	1RB#74	20.67	23.47	33.00
			38175	36RB#0	20.72	23.52	33.00
			38175	36RB#39	21.17	23.97	33.00
			38175	75RB#0	21.88	24.68	33.00

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38	20	QPSK	37850	1RB#0	23.26	26.06	33.00
			37850	1RB#50	22.81	25.61	33.00
			37850	1RB#99	23.10	25.90	33.00
			37850	50RB#0	23.64	26.44	33.00
			37850	50RB#50	23.17	25.97	33.00
			37850	100RB#0	23.23	26.03	33.00
			38000	1RB#0	22.91	25.71	33.00
			38000	1RB#50	23.80	26.60	33.00
			38000	1RB#99	22.90	25.70	33.00
			38000	50RB#0	23.01	25.81	33.00
			38000	50RB#50	22.98	25.78	33.00
			38000	100RB#0	22.81	25.61	33.00
			38150	1RB#0	22.75	25.55	33.00
			38150	1RB#50	24.03	26.83	33.00
			38150	1RB#99	23.13	25.93	33.00
			38150	50RB#0	23.01	25.81	33.00
			38150	50RB#50	23.20	26.00	33.00
			38150	100RB#0	23.14	25.94	33.00
		16QAM	37850	1RB#0	21.20	24.00	33.00
			37850	1RB#50	24.28	27.08	33.00
			37850	1RB#99	20.80	23.60	33.00
			37850	50RB#0	22.41	25.21	33.00
			37850	50RB#50	22.25	25.05	33.00
			37850	100RB#0	22.07	24.87	33.00
			38000	1RB#0	23.77	26.57	33.00
			38000	1RB#50	23.35	26.15	33.00
			38000	1RB#99	22.90	25.70	33.00
			38000	50RB#0	22.08	24.88	33.00
			38000	50RB#50	22.00	24.80	33.00
			38000	100RB#0	21.88	24.68	33.00
			38150	1RB#0	23.07	25.87	33.00
			38150	1RB#50	23.35	26.15	33.00
			38150	1RB#99	22.61	25.41	33.00
			38150	50RB#0	21.06	23.86	33.00
			38150	50RB#50	22.23	25.03	33.00
			38150	100RB#0	21.76	24.56	33.00

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Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	EIRP (dBm)	Limit e.i.r.p (dBm)
41	5MHz	QPSK	39675	1RB#0	17.49	20.29	33.00
			39675	1RB#12	17.63	20.43	33.00
			39675	1RB#24	17.58	20.38	33.00
			39675	12RB#0	16.73	19.53	33.00
			39675	12RB#6	16.73	19.53	33.00
			39675	12RB#13	16.81	19.61	33.00
			39675	25RB#0	16.82	19.62	33.00
			40620	1RB#0	17.28	20.08	33.00
			40620	1RB#24	17.27	20.07	33.00
			40620	1RB#12	17.43	20.23	33.00
			40620	12RB#0	16.48	19.28	33.00
			40620	12RB#6	16.54	19.34	33.00
			40620	12RB#13	16.57	19.37	33.00
			40620	25RB#0	16.57	19.37	33.00
			41565	1RB#24	17.21	20.01	33.00
			41565	1RB#0	17.27	20.07	33.00
			41565	1RB#12	17.31	20.11	33.00
			41565	12RB#0	16.32	19.12	33.00
			41565	12RB#6	16.42	19.22	33.00
			41565	12RB#13	16.47	19.27	33.00
			41565	25RB#0	16.41	19.21	33.00
	5MHz	16QAM	39675	1RB#0	16.38	19.18	33.00
			39675	1RB#12	16.42	19.22	33.00
			39675	1RB#24	16.31	19.11	33.00
			39675	12RB#6	15.62	18.42	33.00
			39675	12RB#0	15.65	18.45	33.00
			39675	12RB#13	15.73	18.53	33.00
			39675	25RB#0	15.83	18.63	33.00
			40620	1RB#0	16.80	19.60	33.00
			40620	1RB#12	17.00	19.80	33.00
			40620	1RB#24	17.00	19.80	33.00
			40620	12RB#13	15.58	18.38	33.00
			40620	12RB#0	15.39	18.19	33.00
			40620	12RB#6	15.39	18.19	33.00
			40620	25RB#0	15.58	18.38	33.00
			41565	1RB#12	16.32	19.12	33.00
			41565	1RB#0	16.25	19.05	33.00
			41565	1RB#24	16.40	19.20	33.00
			41565	12RB#0	15.32	18.12	33.00
			41565	12RB#6	15.29	18.09	33.00
			41565	12RB#13	15.25	18.05	33.00
			41565	25RB#0	15.41	18.21	33.00

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Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	EIRP (dBm)	Limit e.i.r.p (dBm)
41	10MHz	QPSK	39700	1RB#24	17.64	20.44	33.00
			39700	1RB#49	17.82	20.62	33.00
			39700	1RB#0	17.50	20.30	33.00
			39700	25RB#0	16.64	19.44	33.00
			39700	25RB#12	16.79	19.59	33.00
			39700	25RB#25	16.77	19.57	33.00
			39700	50RB#0	16.69	19.49	33.00
			40620	1RB#0	17.38	20.18	33.00
			40620	1RB#49	17.59	20.39	33.00
			40620	1RB#24	17.55	20.35	33.00
			40620	25RB#25	16.44	19.24	33.00
			40620	25RB#0	16.47	19.27	33.00
			40620	25RB#12	16.47	19.27	33.00
			40620	50RB#0	16.48	19.28	33.00
			41540	1RB#24	17.02	19.82	33.00
			41540	1RB#0	17.16	19.96	33.00
			41540	1RB#49	17.21	20.01	33.00
			41540	25RB#0	16.36	19.16	33.00
			41540	25RB#25	16.25	19.05	33.00
			41540	25RB#12	16.12	18.92	33.00
			41540	50RB#0	16.31	19.11	33.00
	10MHz	16QAM	39700	1RB#49	17.66	20.46	33.00
			39700	1RB#0	17.56	20.36	33.00
			39700	1RB#24	17.65	20.45	33.00
			39700	25RB#25	16.72	19.52	33.00
			39700	25RB#12	16.73	19.53	33.00
			39700	25RB#0	16.59	19.39	33.00
			39700	50RB#0	15.69	18.49	33.00
			40620	1RB#49	17.01	19.81	33.00
			40620	1RB#0	16.88	19.68	33.00
			40620	1RB#24	17.22	20.02	33.00
			40620	25RB#25	15.46	18.26	33.00
			40620	25RB#0	15.44	18.24	33.00
			40620	25RB#12	15.47	18.27	33.00
			40620	50RB#0	15.45	18.25	33.00
			41540	1RB#24	16.78	19.58	33.00
			41540	1RB#0	16.57	19.37	33.00
			41540	1RB#49	16.46	19.26	33.00
			41540	25RB#0	15.29	18.09	33.00
			41540	25RB#12	15.28	18.08	33.00
			41540	25RB#25	15.33	18.13	33.00
			41540	50RB#0	15.13	17.93	33.00

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Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	EIRP (dBm)	Limit e.i.r.p (dBm)
41	15MHz	QPSK	39725	1RB#0	16.38	19.18	33.00
			39725	1RB#38	16.80	19.60	33.00
			39725	1RB#74	16.41	19.21	33.00
			39725	36RB#0	16.27	19.07	33.00
			39725	36RB#18	16.47	19.27	33.00
			39725	36RB#39	16.45	19.25	33.00
			39725	75RB#0	16.26	19.06	33.00
			40620	1RB#0	16.32	19.12	33.00
			40620	36RB#39	16.37	19.17	33.00
			40620	75RB#0	16.37	19.17	33.00
			40620	1RB#0	16.31	19.11	33.00
			40620	1RB#74	16.42	19.22	33.00
			40620	1RB#38	17.18	19.98	33.00
			40620	36RB#0	16.35	19.15	33.00
			40620	36RB#18	16.47	19.27	33.00
			40620	36RB#39	16.41	19.21	33.00
			40620	75RB#0	16.34	19.14	33.00
			41515	1RB#74	15.80	18.60	33.00
			41515	1RB#0	16.10	18.90	33.00
			41515	1RB#38	16.70	19.50	33.00
			41515	36RB#0	16.31	19.11	33.00
			41515	36RB#18	16.38	19.18	33.00
			41515	36RB#39	16.37	19.17	33.00
			41515	75RB#0	16.35	19.15	33.00
		16QAM	39725	1RB#0	15.58	18.38	33.00
			39725	1RB#38	16.83	19.63	33.00
			39725	1RB#74	16.44	19.24	33.00
			39725	36RB#18	15.46	18.26	33.00
			39725	36RB#0	15.02	17.82	33.00
			39725	36RB#39	15.32	18.12	33.00
			39725	75RB#0	15.34	18.14	33.00
			40620	1RB#0	16.04	18.84	33.00
			40620	1RB#38	16.01	18.81	33.00
			40620	1RB#74	16.15	18.95	33.00
			40620	36RB#39	15.47	18.27	33.00
			40620	36RB#0	15.25	18.05	33.00
			40620	36RB#18	15.33	18.13	33.00
			40620	75RB#0	15.47	18.27	33.00
			41515	1RB#38	15.75	18.55	33.00
			41515	1RB#0	16.15	18.95	33.00
			41515	1RB#74	16.41	19.21	33.00
			41515	36RB#0	15.45	18.25	33.00
			41515	36RB#18	15.43	18.23	33.00
			41515	36RB#39	15.43	18.23	33.00
			41515	75RB#0	15.42	18.22	33.00

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Cellular Band	Channel Bandwidth (MHz)	Modulation Technique	Channel Number	RB Pos/RB allocation	Measured Average Power (dBm)	EIRP (dBm)	Limit e.i.r.p (dBm)
41	20MHz	QPSK	39750	1RB#99	17.41	20.21	33.00
			39750	1RB#49	17.81	20.61	33.00
			39750	1RB#0	17.30	20.10	33.00
			39750	50RB#0	16.71	19.51	33.00
			39750	50RB#25	16.68	19.48	33.00
			39750	50RB#50	16.71	19.51	33.00
			39750	100RB#0	16.60	19.40	33.00
			40620	1RB#0	17.46	20.26	33.00
			40620	1RB#99	17.54	20.34	33.00
			40620	1RB#49	17.76	20.56	33.00
			40620	50RB#50	16.50	19.30	33.00
			40620	50RB#0	16.49	19.29	33.00
			40620	50RB#25	16.59	19.39	33.00
			40620	100RB#0	16.44	19.24	33.00
			41490	1RB#49	17.12	19.92	33.00
			41490	1RB#0	17.39	20.19	33.00
			41490	1RB#99	16.94	19.74	33.00
			41490	50RB#0	16.46	19.26	33.00
			41490	50RB#50	16.28	19.08	33.00
			41490	50RB#25	16.21	19.01	33.00
			41490	100RB#0	16.29	19.09	33.00
	20MHz	16QAM	39750	1RB#99	17.38	20.18	33.00
			39750	1RB#0	17.32	20.12	33.00
			39750	1RB#49	17.83	20.63	33.00
			39750	50RB#50	16.72	19.52	33.00
			39750	50RB#25	16.56	19.36	33.00
			39750	50RB#0	15.82	18.62	33.00
			39750	100RB#0	15.87	18.67	33.00
			40620	1RB#99	16.82	19.62	33.00
			40620	1RB#0	16.73	19.53	33.00
			40620	1RB#49	17.31	20.11	33.00
			40620	50RB#50	15.68	18.48	33.00
			40620	50RB#0	15.70	18.50	33.00
			40620	50RB#25	15.90	18.70	33.00
			40620	100RB#0	15.75	18.55	33.00
			41490	1RB#49	17.41	20.21	33.00
			41490	1RB#0	17.03	19.83	33.00
			41490	1RB#99	16.78	19.58	33.00
			41490	50RB#0	15.58	18.38	33.00
			41490	50RB#25	15.51	18.31	33.00
			41490	50RB#50	15.48	18.28	33.00
			41490	100RB#0	15.50	18.30	33.00

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Test Results of WCDMA:

Band	Channel No.	Measured Average Power (dBm)	Measured e.i.r.p (dBm)	Limit e.i.r.p (dBm)
4	1312	22.46	24.56	30.00
	1413	22.34	24.44	30.00
	1513	22.38	24.48	30.00

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7.3 Field Strength of Spurious Radiation

Result

Pass

Specification	FCC Part §2.1053 & §27.53 (c) (f) RSS-Gen, §6.13; RSS-139, §6.5; RSS-199, §4.5; RSS-130, §4.6 As per subclause 5.5 of ANSI C63.26-2015
Test Method / Procedure	As per subclause 7 in 971168 D01 Power Meas License Digital Systems v03r01
Measurement Bandwidth (RBW)	100 kHz for frequency range < 1GHz 1 MHz for Frequency range >1GHz
Detector Function	Peak
Measuring Distance	3 m
Requirement	The power of any emission outside the authorized frequency range must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB
Test setup	Refer TEST METHODOLOGY

Environmental conditions:

Temperature (Norm) = + 24 °C Voltage =12VDC Through AC/DC Adapter Relative humidity = 62 %

Note: All the losses are included during measurement and final values are mentioned in the test report. Refer TEST METHODOLOGY for more details

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Spurious emission limit is derived using the following equation: $43 + 10 \cdot \log(P) = 43 + 10 \cdot \log(P) = -13$
P is average power in W

Test results:

Test results for frequency range 9kHz – 30MHz

No emissions found in frequency range 9 kHz to 30 MHz, and measured levels are below 20dB from the limit line, hence not reported

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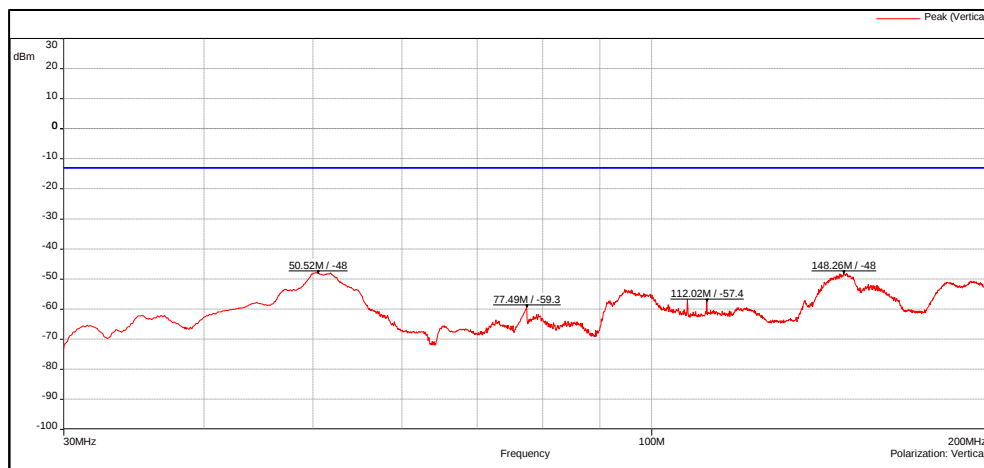
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Test results for frequency range 30MHz – 200MHz

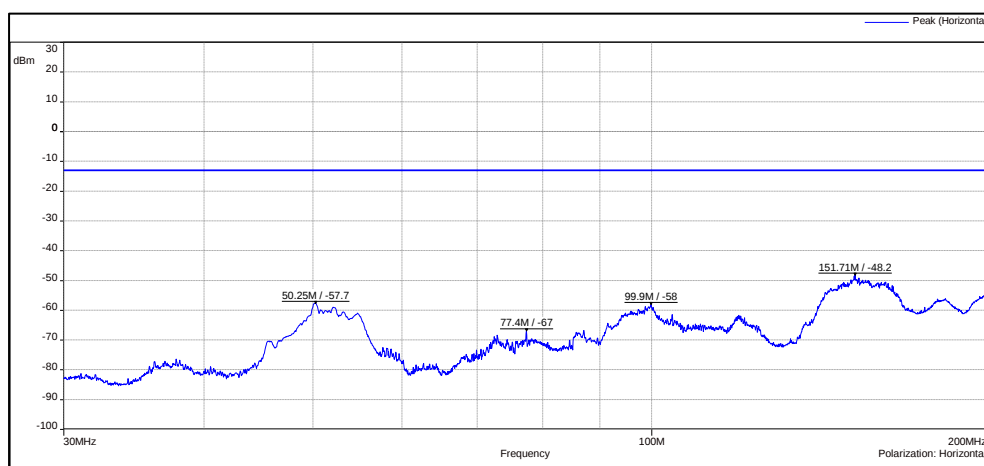
Antenna Polarization	Measured Frequency (MHz)	Measured emission (dBm)	Limit (dBm)	Margin (dB)
Vertical	50.52	-48.00	-13.00	-35.00
	77.49	-59.30	-13.00	-46.30
	112.02	-57.40	-13.00	-44.40
	148.26	-48.00	-13.00	-35.00
Horizontal	50.25	-57.70	-13.00	-44.70
	77.40	-67.00	-13.00	-54.00
	99.90	-58.00	-13.00	-45.00
	151.71	-48.20	-13.00	-35.20

Plots for frequency range 30MHz to 200MHz



Frequency Range: 30MHz-200MHz

Polarization: Vertical



Frequency Range: 30MHz-200MHz

Polarization: Horizontal

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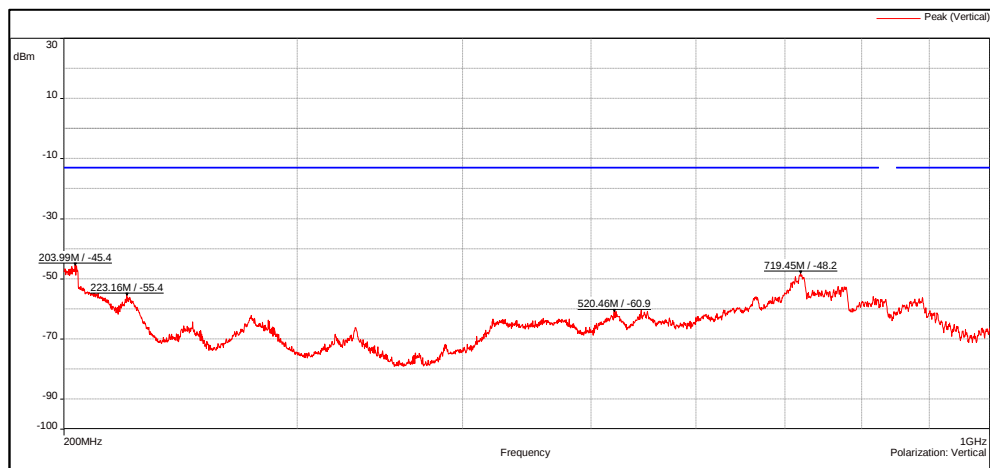
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Test results for frequency range 200MHz – 1GHz

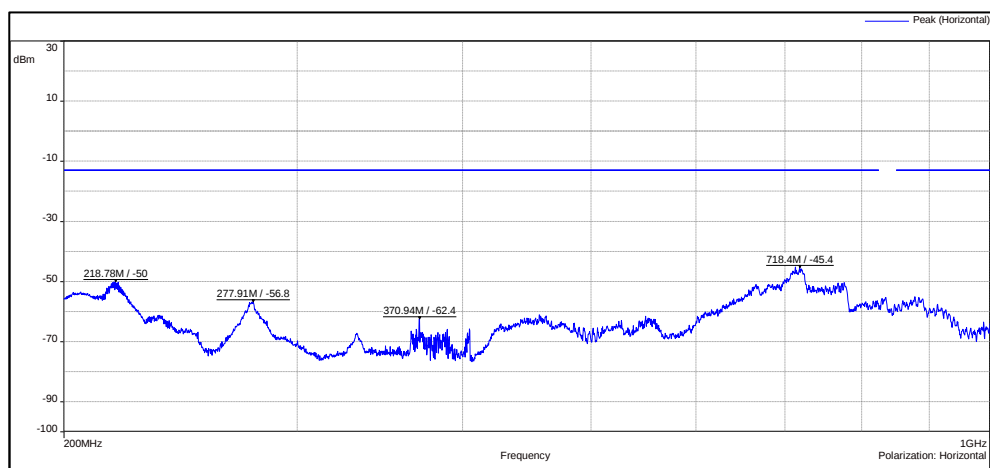
Antenna Polarization	Measured Frequency (MHz)	Measured emission (dBm)	Limit (dBm)	Margin (dB)
Vertical	203.99	-45.40	-13.00	-32.40
	223.16	-55.40	-13.00	-42.40
	520.46	-60.90	-13.00	-47.90
	719.45	-48.20	-13.00	-35.20
Horizontal	218.78	-50.00	-13.00	-37.00
	277.91	-56.80	-13.00	-43.80
	370.94	-62.40	-13.00	-49.40
	718.40	-45.40	-13.00	-32.40

Test Plots:



Frequency Range: 200MHz-1GHz

Polarization: Vertical



Frequency Range: 200MHz-1GHz

Polarization: Horizontal

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Above 1GHz Test results:

LTE Band4:

Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
QPSK	1.4	6	0	1710.70	3421.40	Vertical	-55.51	-13.00	-42.51
					5132.10		-50.18	-13.00	-37.18
					6842.80		-52.48	-13.00	-39.48
					3421.40	Horizontal	-54.71	-13.00	-41.71
					5132.40		-48.78	-13.00	-35.78
					6842.80		-52.14	-13.00	-39.14
		3	1	1732.50	3465.00	Vertical	-53.64	-13.00	-40.64
					5197.50		-50.34	-13.00	-37.34
					6930.00		-52.06	-13.00	-39.06
					3465.00	Horizontal	-55.23	-13.00	-42.23
					5197.50		-50.92	-13.00	-37.92
					6930.00		-52.46	-13.00	-39.46
		1	2	1754.30	3508.60	Vertical	-53.93	-13.00	-40.93
					5262.90		-51.05	-13.00	-38.05
					7017.20		-51.32	-13.00	-38.32
					3508.60	Horizontal	-54.30	-13.00	-41.30
					5262.90		-49.75	-13.00	-36.75
					7017.20		-51.02	-13.00	-38.02
	3	8	0	1711.50	3423.00	Vertical	-54.78	-13.00	-41.78
					5134.50		-49.84	-13.00	-36.84
					6846.00		-52.23	-13.00	-39.23
					3423.00	Horizontal	-54.86	-13.00	-41.86
					5134.50		-49.52	-13.00	-36.52
					6846.00		-51.44	-13.00	-38.44
		15	0	1732.50	3465.00	Vertical	-54.55	-13.00	-41.55
					5197.50		-51.51	-13.00	-38.51
					6930.00		-51.96	-13.00	-38.96
					3465.00	Horizontal	-54.13	-13.00	-41.13
					5197.50		-50.08	-13.00	-37.08
					6930.00		-52.47	-13.00	-39.47
		15	0	1753.50	3507.00	Vertical	-54.52	-13.00	-41.52
					5260.50		-51.05	-13.00	-38.05
					7014.00		-50.91	-13.00	-37.91
					3507.00	Horizontal	-54.44	-13.00	-41.44
					5260.50		-50.87	-13.00	-37.87
					7014.00		-51.03	-13.00	-38.03
	5	25	0	1712.50	3425.00	Vertical	-55.75	-13.00	-42.75
					5137.50		-49.77	-13.00	-36.77
					6850.00		-52.14	-13.00	-39.14
					3425.00	Horizontal	-55.19	-13.00	-42.19
					5137.50		-49.95	-13.00	-36.95
					6850.00		-51.89	-13.00	-38.89
		25	0	1732.50	3465.00	Vertical	-54.55	-13.00	-41.55
					5197.50		-50.89	-13.00	-37.89
					6930.00		-51.30	-13.00	-38.30
					3465.00	Horizontal	-54.25	-13.00	-41.25
					5197.50		-50.86	-13.00	-37.86
					6930.00		-51.55	-13.00	-38.55
		12	13	1752.50	3505.00	Vertical	-53.28	-13.00	-40.28
					5257.50		-50.92	-13.00	-37.92
					7010.00		-51.18	-13.00	-38.18
					3505.00	Horizontal	-53.73	-13.00	-40.73
					5257.50		-51.16	-13.00	-38.16
					7010.00		-50.84	-13.00	-37.84

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Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
QPSK	10	25	0	1715.00	3430.00	Vertical	-55.48	-13.00	-42.48
					5145.00		-50.00	-13.00	-37.00
					6860.00		-52.52	-13.00	-39.52
					3430.00	Horizontal	-55.28	-13.00	-42.28
					5145.00		-50.74	-13.00	-37.74
					6860.00		-52.10	-13.00	-39.10
		25	0	1732.50	3465.00	Vertical	-55.04	-13.00	-42.04
					5197.50		-51.05	-13.00	-38.05
					6930.00		-52.37	-13.00	-39.37
					3465.00	Horizontal	-54.72	-13.00	-41.72
					5197.50		-50.92	-13.00	-37.92
					6930.00		-50.96	-13.00	-37.96
		50	0	1750.00	3500.00	Vertical	-54.77	-13.00	-41.77
					5250.00		-51.06	-13.00	-38.06
					7000.00		-51.10	-13.00	-38.10
					3500.00	Horizontal	-54.29	-13.00	-41.29
					5250.00		-50.76	-13.00	-37.76
					7000.00		-50.87	-13.00	-37.87
	15	36	0	1717.50	3435.00	Vertical	-56.02	-13.00	-43.02
					5152.50		-50.69	-13.00	-37.69
					6870.00		-52.25	-13.00	-39.25
					3435.00	Horizontal	-55.80	-13.00	-42.80
					5152.50		-50.13	-13.00	-37.13
					6870.00		-52.40	-13.00	-39.40
		75	0	1732.50	3465.00	Vertical	-54.86	-13.00	-41.86
					5197.50		-51.29	-13.00	-38.29
					6930.00		-52.32	-13.00	-39.32
					3465.00	Horizontal	-54.62	-13.00	-41.62
					5197.50		-50.81	-13.00	-37.81
					6930.00		-51.88	-13.00	-38.88
		75	0	1747.50	3495.00	Vertical	-55.35	-13.00	-42.35
					5242.50		-51.42	-13.00	-38.42
					6990.00		-52.10	-13.00	-39.10
					3495.00	Horizontal	-55.33	-13.00	-42.33
					5242.50		-51.28	-13.00	-38.28
					6990.00		-51.80	-13.00	-38.80
	20	50	25	1720.00	3440.00	Vertical	-55.29	-13.00	-42.29
					5160.00		-50.07	-13.00	-37.07
					6880.00		-52.17	-13.00	-39.17
					3440.00	Horizontal	-54.85	-13.00	-41.85
					5160.00		-49.64	-13.00	-36.64
					6880.00		-51.12	-13.00	-38.12
		100	0	1732.50	3465.00	Vertical	-55.42	-13.00	-42.42
					5197.50		-51.06	-13.00	-38.06
					6930.00		-52.94	-13.00	-39.94
					3465.00	Horizontal	-54.76	-13.00	-41.76
					5197.50		-50.62	-13.00	-37.62
					6930.00		-52.02	-13.00	-39.02
		100	0	1745.00	3490.00	Vertical	-54.72	-13.00	-41.72
					5235.00		-50.59	-13.00	-37.59
					6980.00		-51.28	-13.00	-38.28
					3490.00	Horizontal	-55.43	-13.00	-42.43
					5235.00		-50.44	-13.00	-37.44
					6980.00		-51.64	-13.00	-38.64

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Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
16QAM	5	1	12	2502.50	5005.00	Vertical	-32.05	-13.00	-19.05
					7507.50		-49.80	-13.00	-36.80
					10010.00		-45.23	-13.00	-32.23
					5005.00	Horizontal	-43.58	-13.00	-30.58
					7507.50		-50.82	-13.00	-37.82
					10010.00		-45.34	-13.00	-32.34
		1	12	2535.00	5070.00	Vertical	-33.48	-13.00	-20.48
					7605.00		-50.34	-13.00	-37.34
					10140.00		-45.28	-13.00	-32.28
					5070.00	Horizontal	-40.10	-13.00	-27.10
					7605.00		-49.64	-13.00	-36.64
					10140.00		-44.56	-13.00	-31.56
		1	12	2567.50	5135.00	Vertical	-37.56	-13.00	-24.56
					7702.50		-51.95	-13.00	-38.95
					10270.00		-44.68	-13.00	-31.68
					5135.00	Horizontal	-35.89	-13.00	-22.89
					7702.50		-51.07	-13.00	-38.07
					10270.00		-41.04	-13.00	-28.04
QPSK	10	50	0	2505.00	5010.00	Vertical	-49.71	-13.00	-36.71
					7515.00		-51.25	-13.00	-38.25
					10020.00		-44.55	-13.00	-31.55
					5010.00	Horizontal	-50.22	-13.00	-37.22
					7515.00		-50.48	-13.00	-37.48
					10020.00		-44.77	-13.00	-31.77
		25	0	2535.00	5070.00	Vertical	-50.66	-13.00	-37.66
					7605.00		-51.07	-13.00	-38.07
					10140.00		-45.69	-13.00	-32.69
					5070.00	Horizontal	-49.09	-13.00	-36.09
					7605.00		-50.98	-13.00	-37.98
					10140.00		-44.96	-13.00	-31.96
		25	25	2565.00	5130.00	Vertical	-49.67	-13.00	-36.67
					7695.00		-51.82	-13.00	-38.82
					10260.00		-45.01	-13.00	-32.01
					5130.00	Horizontal	-49.80	-13.00	-36.80
					7695.00		-51.65	-13.00	-38.65
					10260.00		-44.90	-13.00	-31.90
QPSK	15	36	18	2507.50	5015.00	Vertical	-49.34	-13.00	-36.34
					7522.50		-51.20	-13.00	-38.20
					10030.00		-45.54	-13.00	-32.54
					5015.00	Horizontal	-50.19	-13.00	-37.19
					7522.50		-50.34	-13.00	-37.34
					10030.00		-44.97	-13.00	-31.97
		75	0	2535.00	5070.00	Vertical	-50.34	-13.00	-37.34
					7605.00		-51.04	-13.00	-38.04
					10140.00		-44.13	-13.00	-31.13
					5070.00	Horizontal	-49.96	-13.00	-36.96
					7605.00		-50.27	-13.00	-37.27
					10140.00		-44.91	-13.00	-31.91
		75	0	2562.50	5125.00	Vertical	-49.63	-13.00	-36.63
					7687.50		-51.11	-13.00	-38.11
					10250.00		-44.55	-13.00	-31.55
					5125.00	Horizontal	-50.24	-13.00	-37.24
					7687.50		-51.76	-13.00	-38.76
					10250.00		-44.55	-13.00	-31.55

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QPSK	20	100	0	2510.00	5020.00	Vertical	-51.37	-13.00	-38.37
					7530.00		-51.86	-13.00	-38.86
					10040.00		-45.56	-13.00	-32.56
					5020.00	Horizontal	-50.30	-13.00	-37.30
					7530.00		-51.21	-13.00	-38.21
					10040.00		-45.13	-13.00	-32.13
		100	0	2535.00	5070.00	Vertical	-49.83	-13.00	-36.83
					7605.00		-50.93	-13.00	-37.93
					10140.00		-44.46	-13.00	-31.46
					5070.00	Horizontal	-49.43	-13.00	-36.43
					7605.00		-50.14	-13.00	-37.14
					10140.00		-44.45	-13.00	-31.45
		1	49	2560.00	5120.00	Vertical	-49.84	-13.00	-36.84
					7680.00		-51.24	-13.00	-38.24
					10240.00		-44.73	-13.00	-31.73
					5120.00	Horizontal	-49.87	-13.00	-36.87
					7680.00		-50.86	-13.00	-37.86
					10240.00		-44.32	-13.00	-31.32

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Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
16QAM	1.4	3	0	699.70	1399.40	Vertical	-54.31	-13.00	-41.31
					2099.10		-51.73	-13.00	-38.73
					2798.80		-55.25	-13.00	-42.25
					1399.40	Horizontal	-53.66	-13.00	-40.66
					2099.10		-54.83	-13.00	-41.83
					2798.80		-54.77	-13.00	-41.77
		3	3	707.50	1415.00	Vertical	-52.71	-13.00	-39.71
					2122.50		-55.11	-13.00	-42.11
					2830.00		-55.03	-13.00	-42.03
					1415.00	Horizontal	-55.95	-13.00	-42.95
					2122.50		-54.66	-13.00	-41.66
					2830.00		-54.78	-13.00	-41.78
		3	0	715.20	1430.40	Vertical	-51.56	-13.00	-38.56
					2145.60		-54.79	-13.00	-41.79
					2860.80		-54.78	-13.00	-41.78
					1430.40	Horizontal	-57.33	-13.00	-44.33
					2145.60		-57.42	-13.00	-44.42
					2860.80		-53.85	-13.00	-40.85
QPSK	3	1	8	700.50	1401.00	Vertical	-52.96	-13.00	-39.96
					2101.50		-54.33	-13.00	-41.33
					2802.00		-54.87	-13.00	-41.87
					1401.00	Horizontal	-52.99	-13.00	-39.99
					2101.50		-52.75	-13.00	-39.75
					2802.00		-53.71	-13.00	-40.71
		8	7	707.50	1415.00	Vertical	-52.93	-13.00	-39.93
					2122.50		-55.08	-13.00	-42.08
					2830.00		-53.41	-13.00	-40.41
					1415.00	Horizontal	-54.78	-13.00	-41.78
					2122.50		-54.80	-13.00	-41.80
					2830.00		-55.02	-13.00	-42.02
		8	0	714.50	1429.00	Vertical	-55.26	-13.00	-42.26
					2143.50		-54.77	-13.00	-41.77
					2858.00		-54.43	-13.00	-41.43
					1429.00	Horizontal	-53.41	-13.00	-40.41
					2143.50		-54.62	-13.00	-41.62
					2858.00		-53.82	-13.00	-40.82
QPSK	5	1	0	701.50	1403.00	Vertical	-52.89	-13.00	-39.89
					2104.50		-56.03	-13.00	-43.03
					2806.00		-55.12	-13.00	-42.12
					1403.00	Horizontal	-53.51	-13.00	-40.51
					2104.50		-56.16	-13.00	-43.16
					2806.00		-53.94	-13.00	-40.94
		12	0	707.50	1415.00	Vertical	-53.98	-13.00	-40.98
					2122.50		-53.65	-13.00	-40.65
					2830.00		-53.79	-13.00	-40.79
					1415.00	Horizontal	-54.98	-13.00	-41.98
					2122.50		-52.12	-13.00	-39.12
					2830.00		-54.42	-13.00	-41.42
		12	0	713.50	1427.00	Vertical	-52.37	-13.00	-39.37
					2140.50		-54.24	-13.00	-41.24
					2854.00		-53.29	-13.00	-40.29
					1427.00	Horizontal	-52.19	-13.00	-39.19
					2140.50		-54.61	-13.00	-41.61
					2854.00		-53.48	-13.00	-40.48

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QPSK	10	25	25	704.00	1408.00	Vertical	-53.69	-13.00	-40.69
					2112.00		-54.99	-13.00	-41.99
					2816.00		-54.31	-13.00	-41.31
					1408.00	Horizontal	-51.38	-13.00	-38.38
					2112.00		-55.15	-13.00	-42.15
					2816.00		-54.16	-13.00	-41.16
		50	0	707.50	1415.00	Vertical	-52.34	-13.00	-39.34
					2122.50		-53.15	-13.00	-40.15
					2830.00		-53.55	-13.00	-40.55
					1415.00	Horizontal	-52.93	-13.00	-39.93
					2122.50		-53.65	-13.00	-40.65
					2830.00		-54.18	-13.00	-41.18
		25	0	711.00	1422.00	Vertical	-53.40	-13.00	-40.40
					2133.00		-53.76	-13.00	-40.76
					2844.00		-54.46	-13.00	-41.46
					1422.00	Horizontal	-53.30	-13.00	-40.30
					2133.00		-51.79	-13.00	-38.79
					2844.00		-53.87	-13.00	-40.87

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Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
QPSK	5	12	6	779.50	1559.00	Vertical	-58.88	-13.00	-45.88
					2338.50		-54.30	-13.00	-41.30
					3118.00		-55.28	-13.00	-42.28
					1559.00	Horizontal	-59.66	-13.00	-46.66
					2338.50		-51.24	-13.00	-38.24
					3118.00		-54.91	-13.00	-41.91
		25	0	782.00	1564.00	Vertical	-59.34	-13.00	-46.34
					2346.00		-55.93	-13.00	-42.93
					3128.00		-55.16	-13.00	-42.16
					1564.00	Horizontal	-60.50	-13.00	-47.50
					2346.00		-52.69	-13.00	-39.69
					3128.00		-55.14	-13.00	-42.14
	10	25	0	784.50	1569.00	Vertical	-61.07	-13.00	-48.07
					2353.50		-56.58	-13.00	-43.58
					3138.00		-56.36	-13.00	-43.36
					1569.00	Horizontal	-59.11	-13.00	-46.11
					2353.50		-52.15	-13.00	-39.15
					3138.00		-55.51	-13.00	-42.51
		25	0	782.00	1564.00	Vertical	-60.11	-13.00	-47.11
					2346.00		-56.51	-13.00	-43.51
					3128.00		-54.36	-13.00	-41.36
					1564.00	Horizontal	-60.65	-13.00	-47.65
					2346.00		-55.54	-13.00	-42.54
					3128.00		-55.01	-13.00	-42.01

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Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
QPSK	5	1	24	2572.50	5145.00	Vertical	-50.00	-13.00	-37.00
					7717.50		-50.33	-13.00	-37.33
					10290.00		-44.05	-13.00	-31.05
					5145.00	Horizontal	-50.04	-13.00	-37.04
					7717.50		-49.88	-13.00	-36.88
					10290.00		-43.70	-13.00	-30.70
		1	24	2595.00	5190.00	Vertical	-46.36	-13.00	-33.36
					7785.00		-50.76	-13.00	-37.76
					10380.00		-44.89	-13.00	-31.89
					5190.00	Horizontal	-50.53	-13.00	-37.53
					7785.00		-51.07	-13.00	-38.07
					10380.00		-44.23	-13.00	-31.23
		1	24	2619.90	5239.80	Vertical	-41.58	-13.00	-28.58
					7859.70		-50.52	-13.00	-37.52
					10479.60		-43.64	-13.00	-30.64
					5239.80	Horizontal	-50.81	-13.00	-37.81
					7859.70		-50.30	-13.00	-37.30
					10479.60		-42.76	-13.00	-29.76
16QAM	10	1	25	2575.00	5150.00	Vertical	-40.89	-13.00	-27.89
					7725.00		-50.85	-13.00	-37.85
					10300.00		-44.23	-13.00	-31.23
					5150.00	Horizontal	-49.53	-13.00	-36.53
					7725.00		-50.47	-13.00	-37.47
					10300.00		-44.91	-13.00	-31.91
		1	25	2595.00	5190.00	Vertical	-40.71	-13.00	-27.71
					7785.00		-50.95	-13.00	-37.95
					10380.00		-44.98	-13.00	-31.98
					5190.00	Horizontal	-50.58	-13.00	-37.58
					7785.00		-50.80	-13.00	-37.80
					10380.00		-44.02	-13.00	-31.02
		25	25	2615.00	5230.00	Vertical	-49.59	-13.00	-36.59
					7845.00		-50.23	-13.00	-37.23
					10460.00		-44.38	-13.00	-31.38
					5230.00	Horizontal	-49.33	-13.00	-36.33
					7845.00		-51.15	-13.00	-38.15
					10460.00		-44.33	-13.00	-31.33
16QAM	15	1	0	2577.50	5155.00	Vertical	-47.56	-13.00	-34.56
					7732.50		-49.74	-13.00	-36.74
					10310.00		-44.41	-13.00	-31.41
					5155.00	Horizontal	-49.51	-13.00	-36.51
					7732.50		-50.91	-13.00	-37.91
					10310.00		-44.29	-13.00	-31.29
		1	0	2595.00	5190.00	Vertical	-44.94	-13.00	-31.94
					7785.00		-50.43	-13.00	-37.43
					10380.00		-44.33	-13.00	-31.33
					5190.00	Horizontal	-50.92	-13.00	-37.92
					7785.00		-50.42	-13.00	-37.42
					10380.00		-44.42	-13.00	-31.42
		75	0	2612.50	5225.00	Vertical	-43.18	-13.00	-30.18
					7837.50		-51.13	-13.00	-38.13
					10450.00		-43.96	-13.00	-30.96
					5225.00	Horizontal	-50.46	-13.00	-37.46
					7837.50		-50.04	-13.00	-37.04
					10450.00		-42.25	-13.00	-29.25

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16QAM	20	1	50	2580.00	5160.00	Vertical	-47.61	-13.00	-34.61
					7740.00		-50.22	-13.00	-37.22
					10320.00		-44.34	-13.00	-31.34
					5160.00	Horizontal	-49.02	-13.00	-36.02
					7740.00		-50.86	-13.00	-37.86
					10320.00		-44.05	-13.00	-31.05
		1	0	2595.00	5190.00	Vertical	-42.00	-13.00	-29.00
					7785.00		-51.07	-13.00	-38.07
					10380.00		-43.70	-13.00	-30.70
					5190.00	Horizontal	-50.59	-13.00	-37.59
					7785.00		-50.48	-13.00	-37.48
					10380.00		-44.18	-13.00	-31.18
		1	50	2610.00	5220.00	Vertical	-37.41	-13.00	-24.41
					7830.00		-50.47	-13.00	-37.47
					10440.00		-44.22	-13.00	-31.22
					5220.00	Horizontal	-50.16	-13.00	-37.16
					7830.00		-49.62	-13.00	-36.62
					10440.00		-44.06	-13.00	-31.06

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LTE Band 41:

Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
QPSK	5	1	24	2498.50	4997.00	Vertical	-46.54	-13.00	-33.54
					7495.50		-49.78	-13.00	-36.78
					9994.00		-45.71	-13.00	-32.71
					4997.00	Horizontal	-50.13	-13.00	-37.13
					7495.50		-49.12	-13.00	-36.12
					9994.00		-45.11	-13.00	-32.11
		1	0	2593.00	5186.00	Vertical	-41.95	-13.00	-28.95
					7779.00		-50.78	-13.00	-37.78
					10372.00		-44.31	-13.00	-31.31
					5186.00	Horizontal	-32.80	-13.00	-19.80
					7779.00		-50.69	-13.00	-37.69
					10372.00		-44.66	-13.00	-31.66
		1	0	2687.50	5375.00	Vertical	-52.70	-13.00	-39.70
					8062.50		-41.32	-13.00	-28.32
					10750.00		-38.95	-13.00	-25.95
					5375.00	Horizontal	-52.40	-13.00	-39.40
					8062.50		-41.03	-13.00	-28.03
					10750.00		-43.25	-13.00	-30.25
	10	1	0	2501.00	5002.00	Vertical	-49.58	-13.00	-36.58
					7503.00		-49.97	-13.00	-36.97
					10004.00		-45.17	-13.00	-32.17
					5002.00	Horizontal	-50.31	-13.00	-37.31
					7503.00		-50.22	-13.00	-37.22
					10004.00		-44.78	-13.00	-31.78
		1	0	2593.00	5186.00	Vertical	-52.22	-13.00	-39.22
					7779.00		-47.92	-13.00	-34.92
					10372.00		-41.09	-13.00	-28.09
					5186.00	Horizontal	-52.44	-13.00	-39.44
					7779.00		-50.41	-13.00	-37.41
					10372.00		-43.34	-13.00	-30.34
		1	0	2685.00	5370.00	Vertical	-53.39	-13.00	-40.39
					8055.00		-45.55	-13.00	-32.55
					10740.00		-43.37	-13.00	-30.37
					5370.00	Horizontal	-52.89	-13.00	-39.89
					8055.00		-46.55	-13.00	-33.55
					10740.00		-43.94	-13.00	-30.94
	15	1	74	2503.50	5007.00	Vertical	-50.01	-13.00	-37.01
					7510.50		-50.41	-13.00	-37.41
					10014.00		-44.41	-13.00	-31.41
					5007.00	Horizontal	-50.92	-13.00	-37.92
					7510.50		-50.71	-13.00	-37.71
					10014.00		-44.06	-13.00	-31.06
		1	0	2593.00	5186.00	Vertical	-52.31	-13.00	-39.31
					7779.00		-50.89	-13.00	-37.89
					10372.00		-43.56	-13.00	-30.56
					5186.00	Horizontal	-52.94	-13.00	-39.94
					7779.00		-49.79	-13.00	-36.79
					10372.00		-43.53	-13.00	-30.53
		1	0	2682.50	5365.00	Vertical	-52.86	-13.00	-39.86
					8047.50		-45.48	-13.00	-32.48
					10730.00		-43.29	-13.00	-30.29
					5365.00	Horizontal	-53.89	-13.00	-40.89
					8047.50		-46.21	-13.00	-33.21
					10730.00		-44.52	-13.00	-31.52

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Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
QPSK	20	1	99	2506.00	5012.00	Vertical	-50.71	-13.00	-37.71
					7518.00		-50.36	-13.00	-37.36
					10024.00		-44.44	-13.00	-31.44
					5012.00	Horizontal	-49.69	-13.00	-36.69
					7518.00		-50.66	-13.00	-37.66
					10024.00		-45.39	-13.00	-32.39
		1	0	2593.00	5186.00	Vertical	-52.24	-13.00	-39.24
					7779.00		-50.67	-13.00	-37.67
					10372.00		-44.48	-13.00	-31.48
					5186.00	Horizontal	-51.79	-13.00	-38.79
					7779.00		-50.63	-13.00	-37.63
					10372.00		-43.87	-13.00	-30.87
		1	0	2680.00	5360.00	Vertical	-53.65	-13.00	-40.65
					8040.00		-46.84	-13.00	-33.84
					10720.00		-44.07	-13.00	-31.07
					5360.00	Horizontal	-52.86	-13.00	-39.86
					8040.00		-46.25	-13.00	-33.25
					10720.00		-44.33	-13.00	-31.33

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Test Results for WCDMA:

Band	Antenna Polarization	Channel Frequency (MHz)	Measured Frequency (MHz)	Measured Emission (dBm)	Limit (dBm)	Margin (dB)
4	Vertical	1712.40	3424.80	-55.70	-13.00	-42.70
			5137.20	-50.88	-13.00	-37.88
			6849.60	-51.40	-13.00	-38.40
	Horizontal	1712.40	3424.80	-56.19	-13.00	-43.19
			5137.20	-50.95	-13.00	-37.95
			6849.60	-52.76	-13.00	-39.76
	Vertical	1732.60	3465.20	-55.29	-13.00	-42.29
			5197.80	-51.69	-13.00	-38.69
			6930.40	-51.68	-13.00	-38.68
	Horizontal	1732.60	3465.20	-55.04	-13.00	-42.04
			5197.80	-50.90	-13.00	-37.90
			6930.40	-51.94	-13.00	-38.94
	Vertical	1752.60	3505.20	-54.47	-13.00	-41.47
			5257.80	-50.74	-13.00	-37.74
			7010.40	-50.70	-13.00	-37.70
	Horizontal	1752.60	3505.20	-54.74	-13.00	-41.74
			5257.80	-51.66	-13.00	-38.66
			7010.40	-50.75	-13.00	-37.75

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Test Report No.:

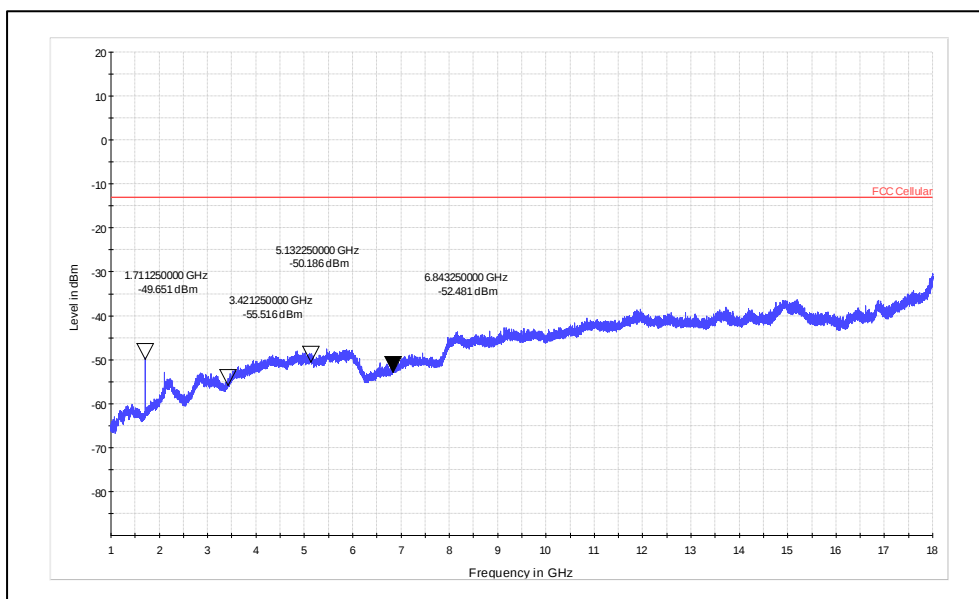
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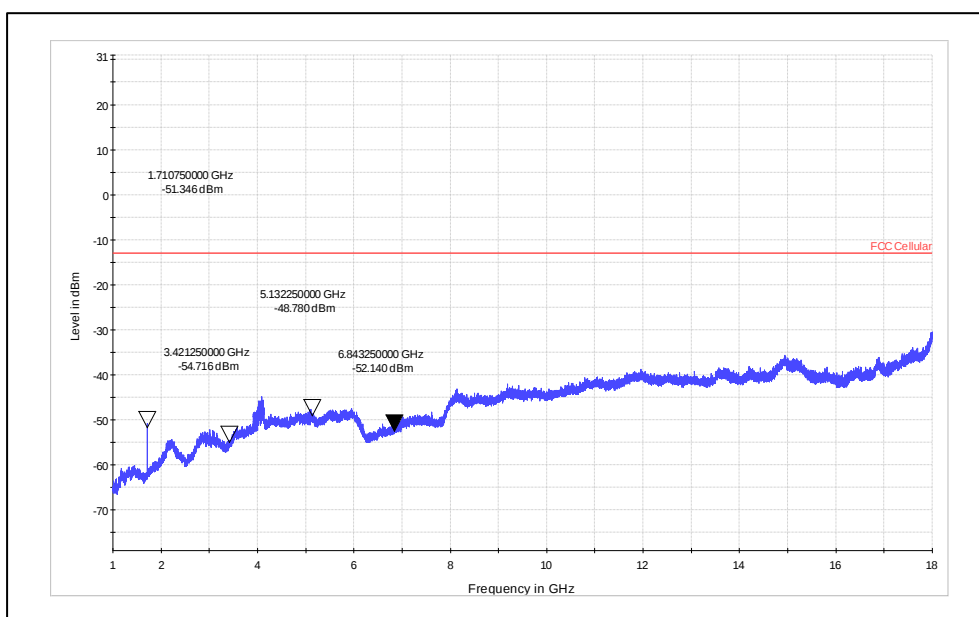
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Test Plots:

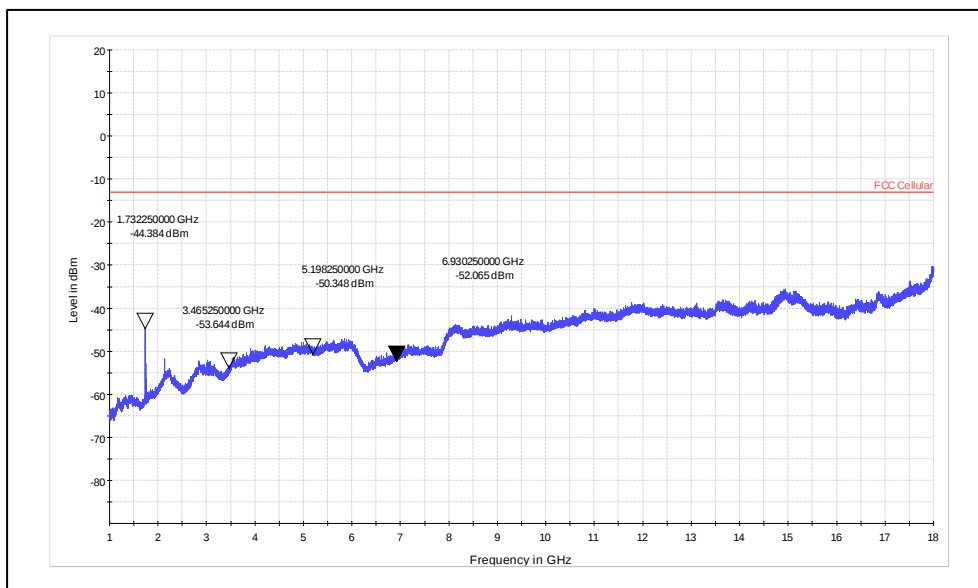
Band-4_Ch-1710.7MHz_6RB#0_QPSK_1-18GHz_Vertical



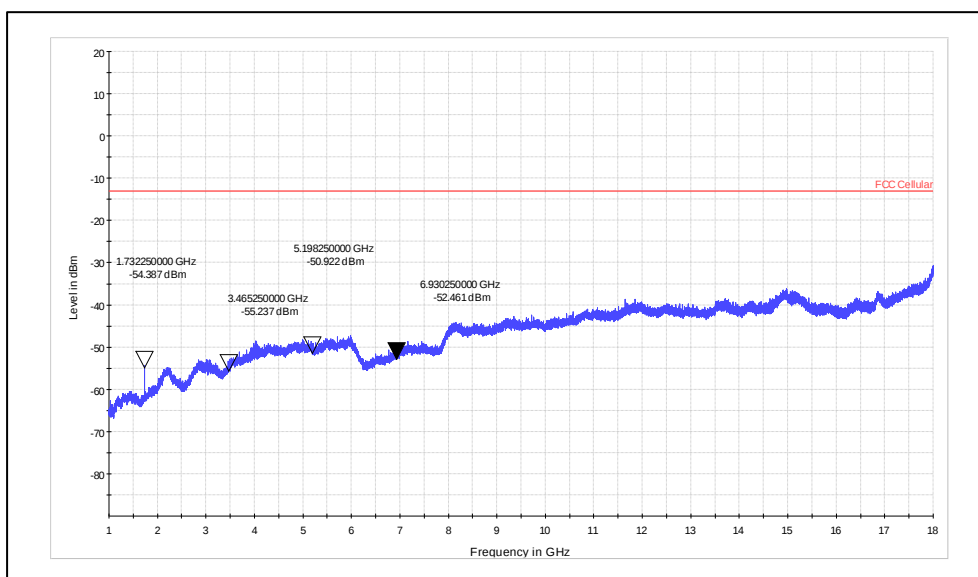
Band-4_Ch-1710.7MHz_6RB#0_QPSK_1-18GHz_Horizontal



Band-4_Ch-1732.5MHz_3RB#1_QPSK_1-18GHz_Vertical



Band-4_Ch-1732.5MHz_3RB#1_QPSK_1-18GHz_Horizontal



Prüfbericht - Nr.:

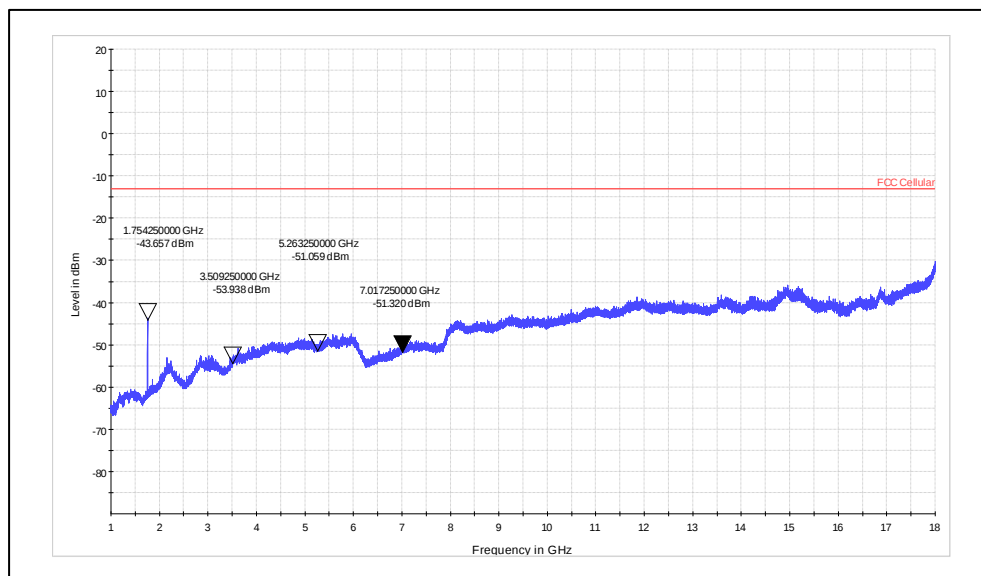
Test Report No.:

IN244I1B 001

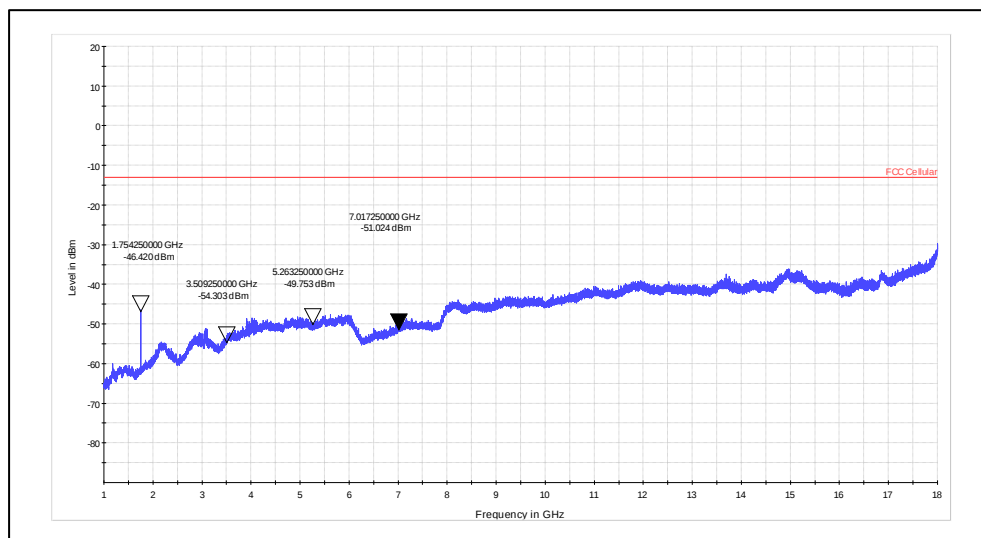
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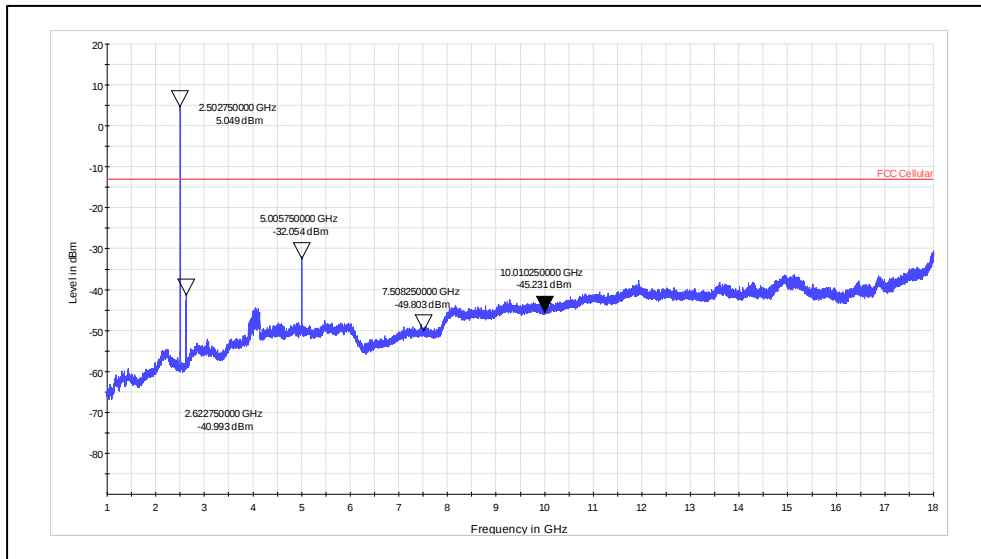
Band-4_Ch-1754.3MHz_1RB#2_QPSK_1-18GHz_Vertical



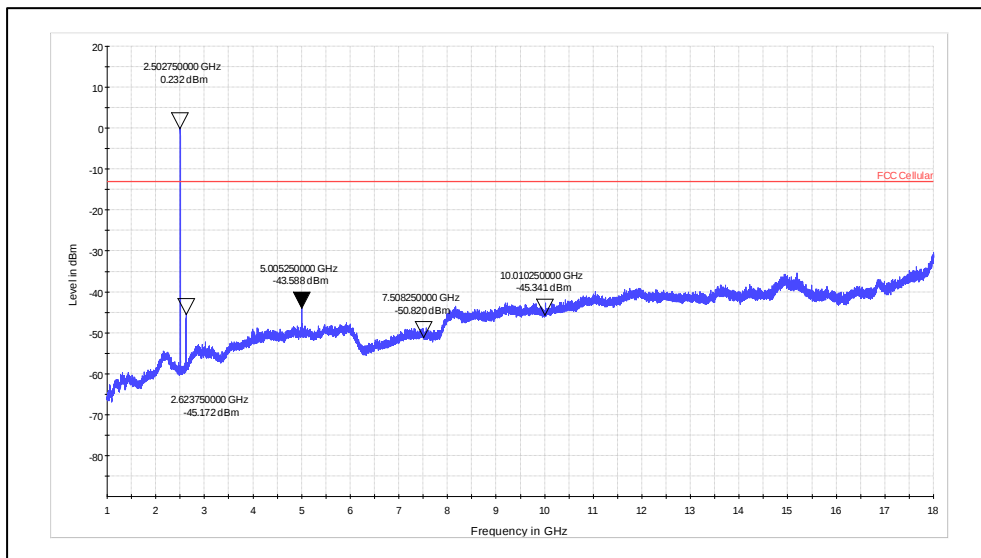
Band-4_Ch-1754.3MHz_1RB#2_QPSK_1-18GHz_Horizontal



Band-7_Ch-2502.5MHz_1RB#12_16QAM_1-18GHz_Vertical



Band-7_Ch-2502.5MHz_1RB#12_16QAM_1-18GHz_Horizontal

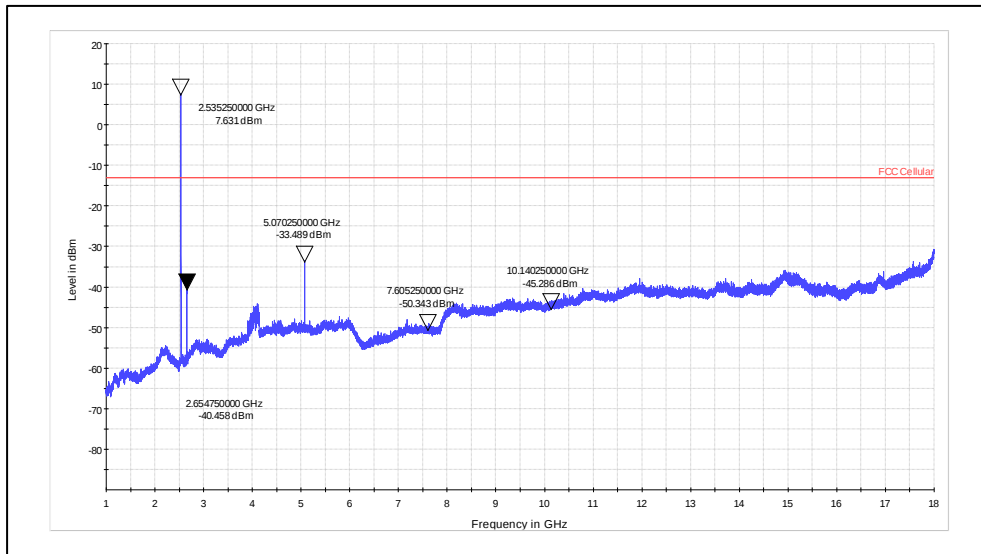


Prüfbericht - Nr.:
Test Report No.:

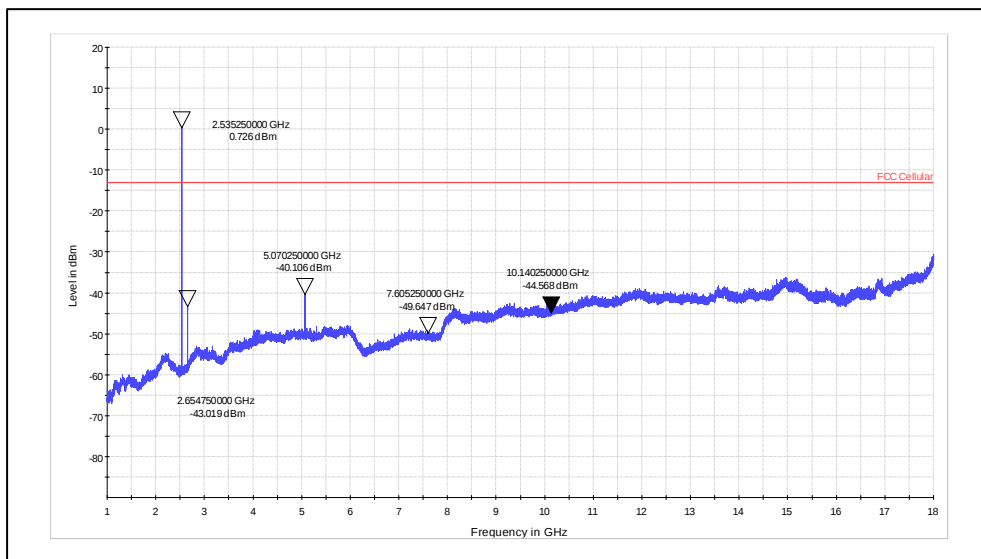
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Band-7_Ch-2535MHz_1RB#12_16QAM_1-18GHz_Vertical



Band-7_Ch-2535MHz_1RB#12_16QAM_1-18GHz_Horizontal



Prüfbericht - Nr.:

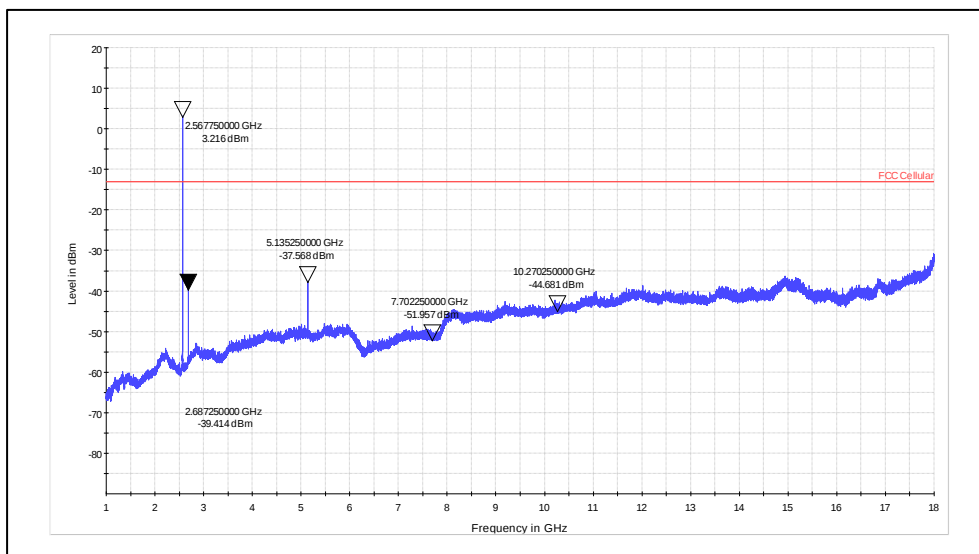
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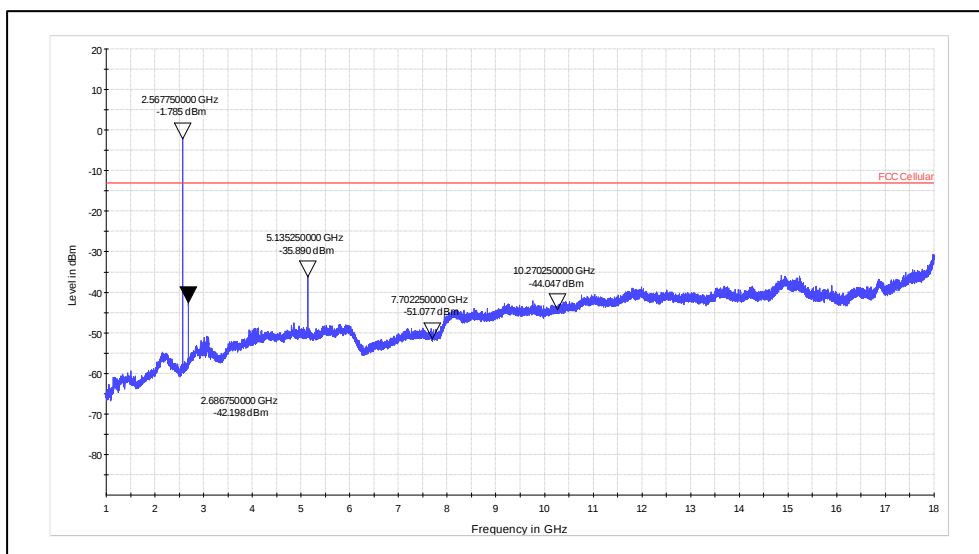
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Band-7_Ch-2567.5MHz_1RB#12_16QAM_1-18GHz_Vertical



Band-7_Ch-2567.5MHz_1RB#12_16QAM_1-18GHz_Horizontal



Prüfbericht - Nr.:

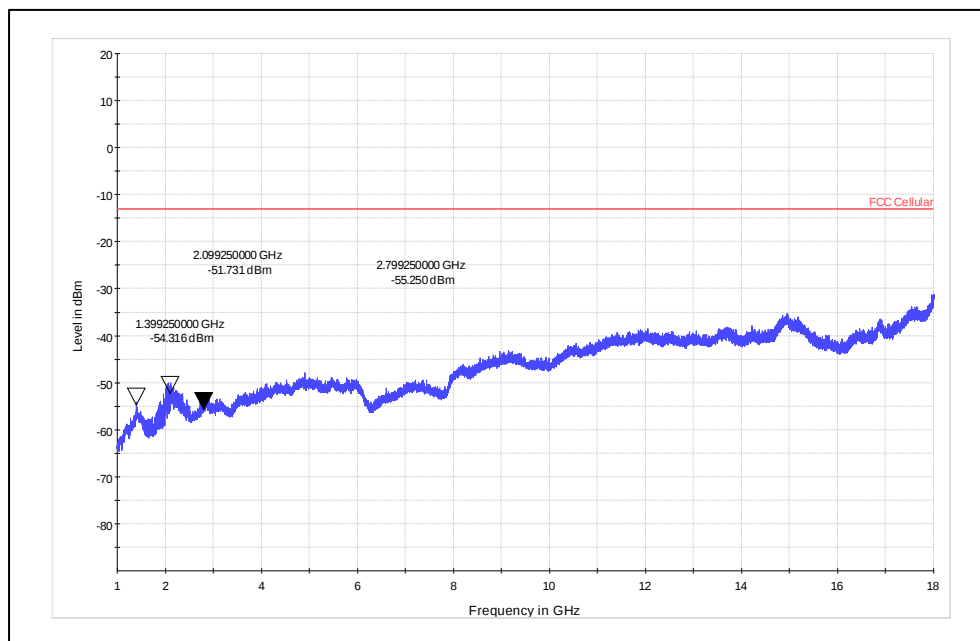
Test Report No.:

IN244I1B 001

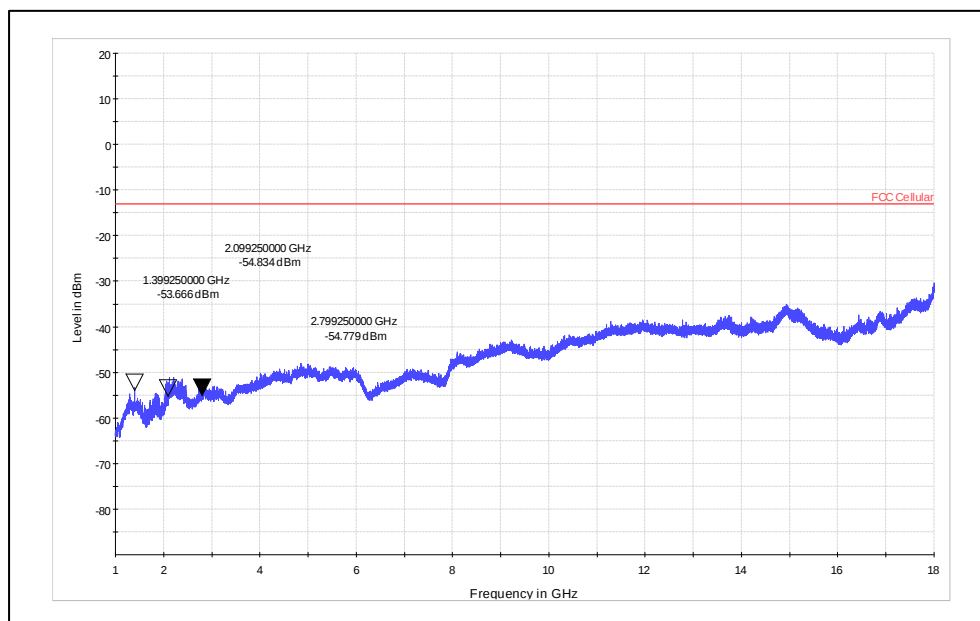
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Band-12_Ch-699.7MHz_3RB#0_16QAM_1-18GHz_Vertical



Band-12_Ch-699.7MHz_3RB#0_16QAM_1-18GHz_Horizontal



Prüfbericht - Nr.:

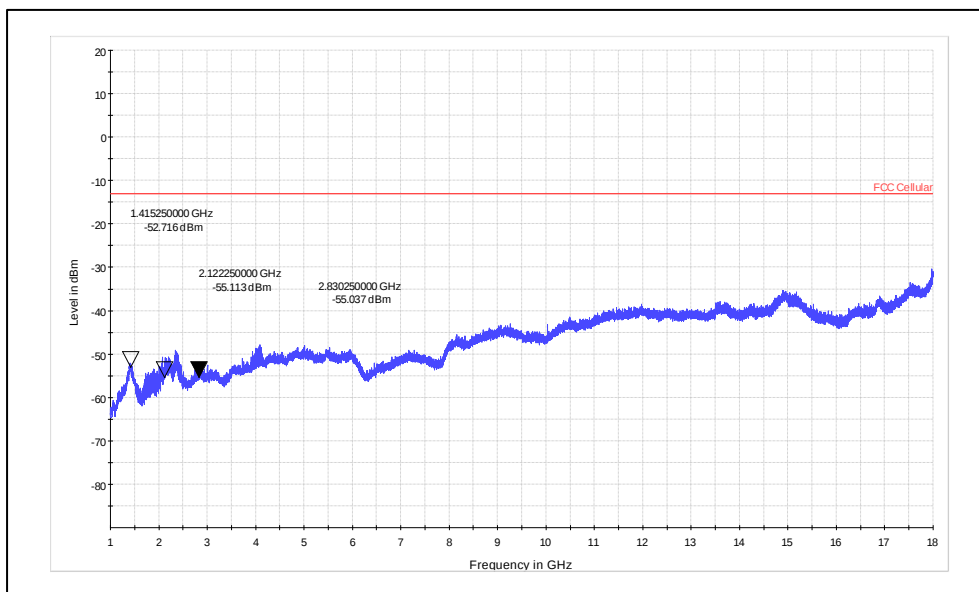
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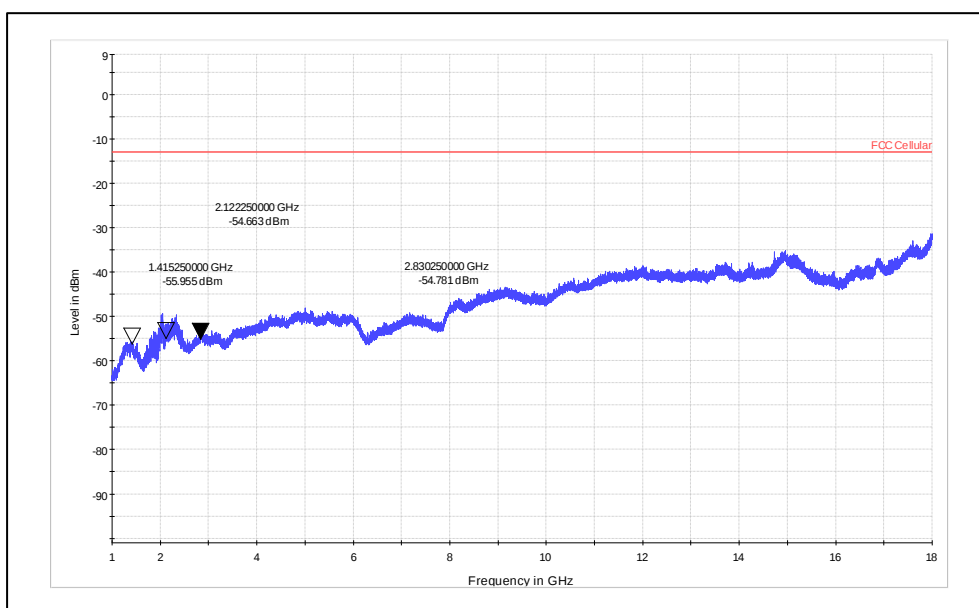
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Band-12_Ch-707.5MHz_3RB#3_16QAM_1-18GHz_Vertical



Band-12_Ch-707.5MHz_3RB#3_16QAM_1-18GHz_Horizontal



Prüfbericht - Nr.:

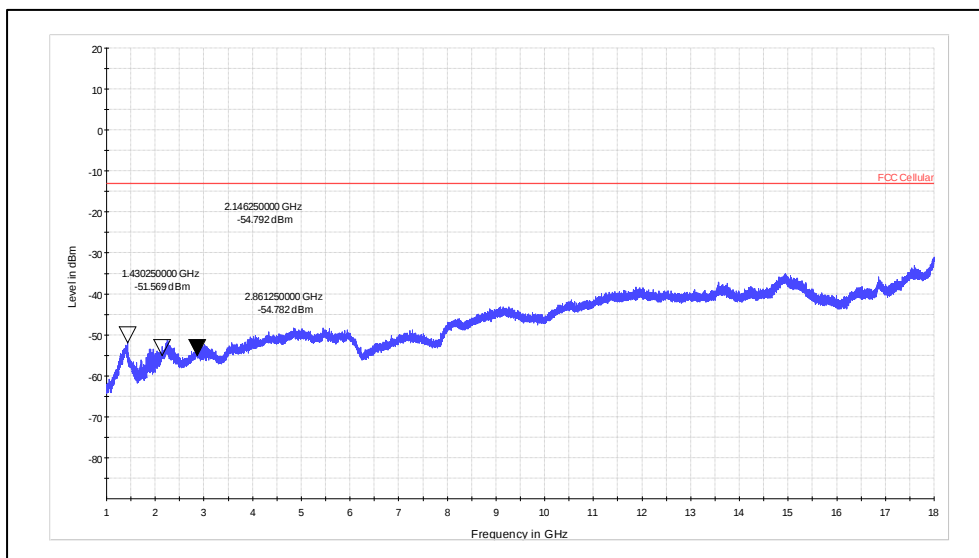
Test Report No.:

IN24411B 001

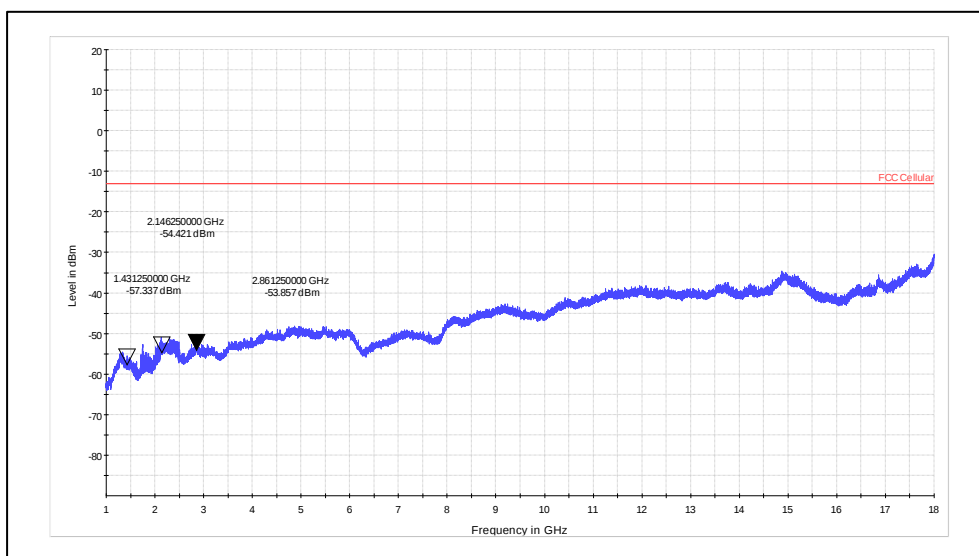
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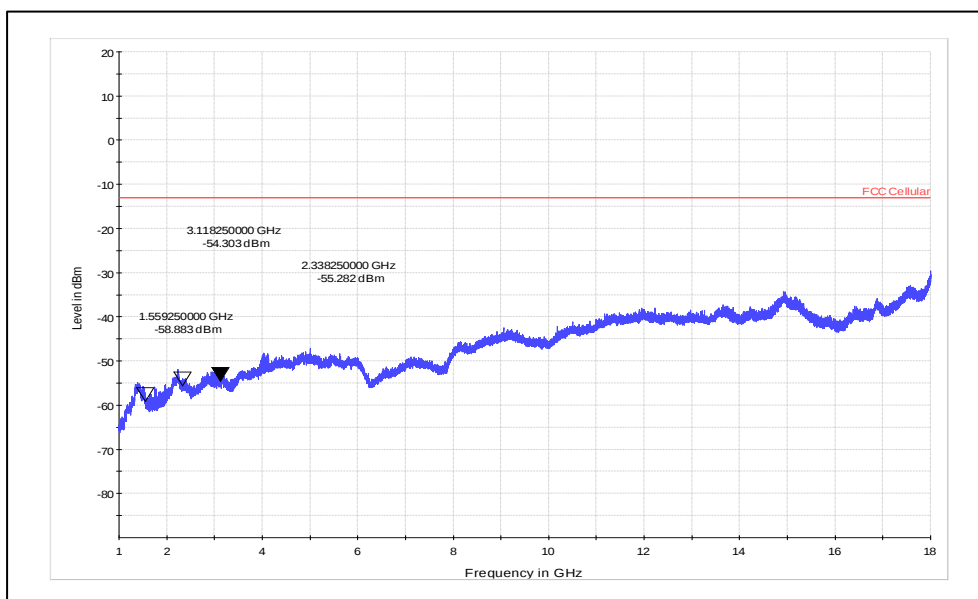
Band-12_Ch-715.3MHz_3RB#0_16QAM_1-18GHz_Vertical



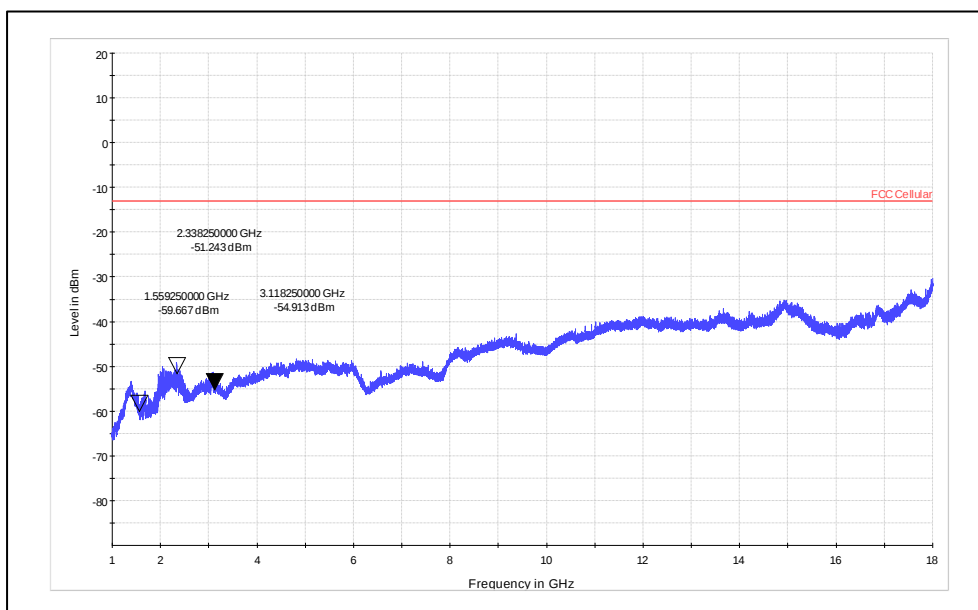
Band-12_Ch-715.3MHz_3RB#0_16QAM_1-18GHz_Horizontal



Band-13_Ch-779.5MHz_12RB#6_QPSK_1-18GHz_Vertical



Band-13_Ch-779.5MHz_12RB#6_QPSK_1-18GHz_Horizontal



Prüfbericht - Nr.:

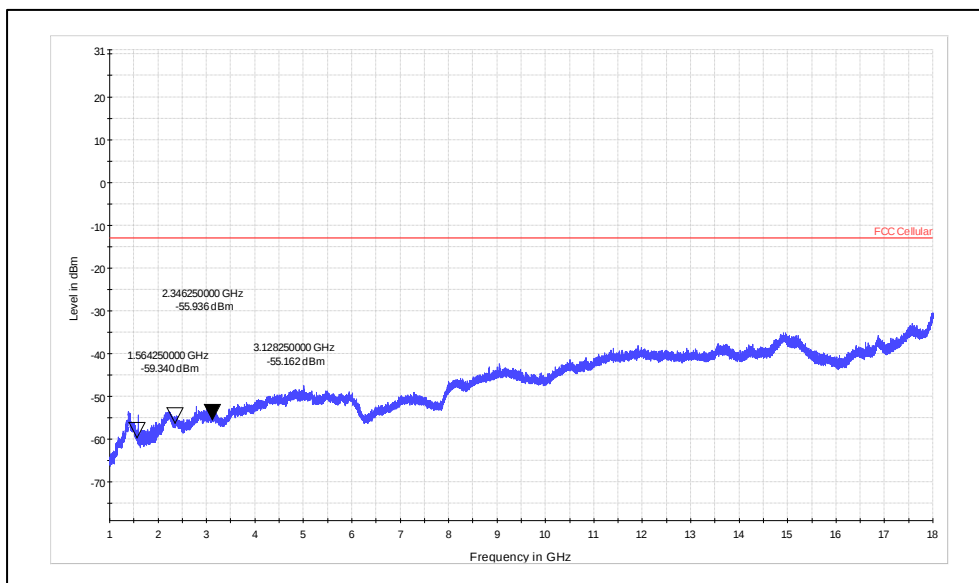
Test Report No.:

IN244I1B 001

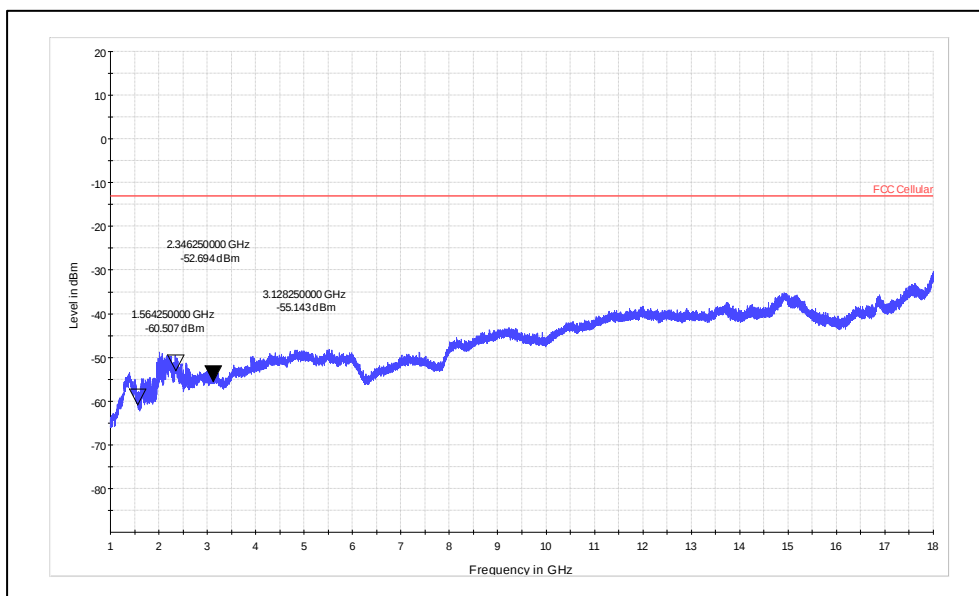
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Band-13_Ch-782MHz_25RB#0_QPSK_1-18GHz_Vertical



Band-13_Ch-782MHz_25RB#0_QPSK_1-18GHz_Horizontal

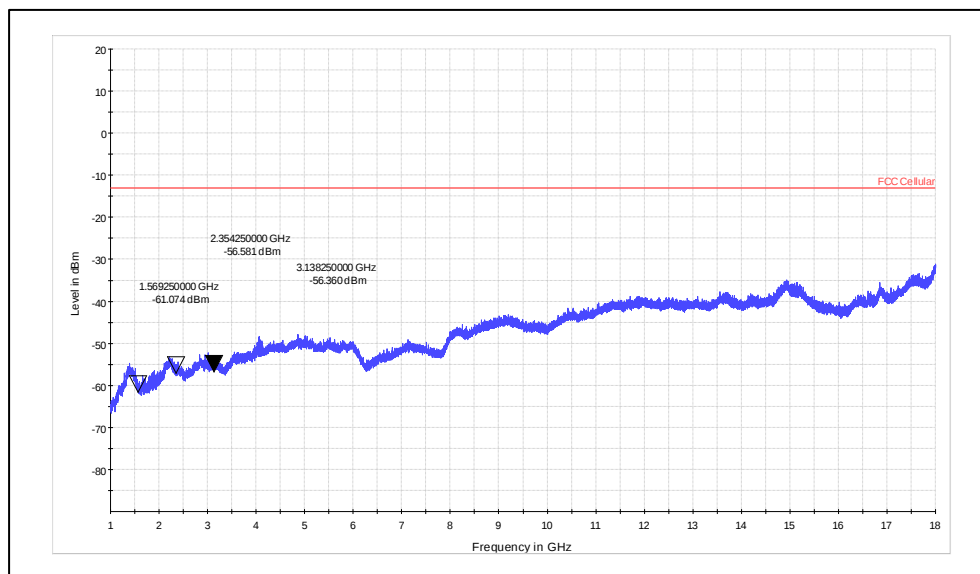


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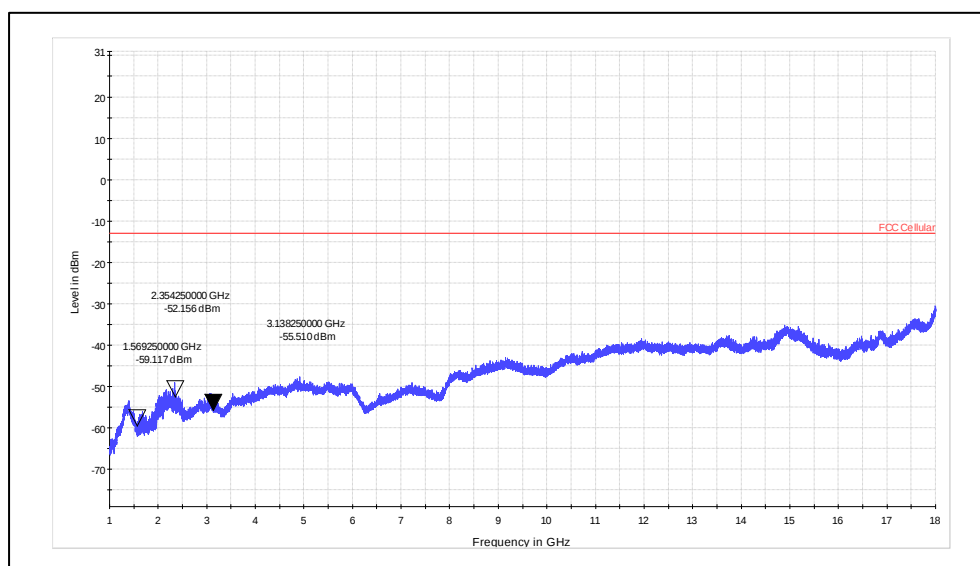
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Band-13_Ch-784.5MHz_25RB#0_QPSK_1-18GHz_Vertical



Band-13_Ch-784.5MHz_25RB#0_QPSK_1-18GHz_Horizontal



Prüfbericht - Nr.:

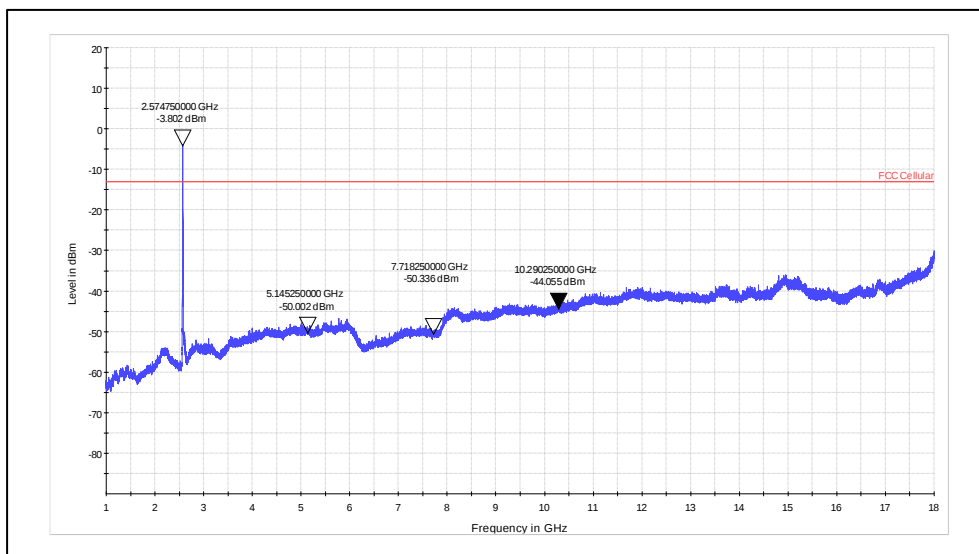
Test Report No.:

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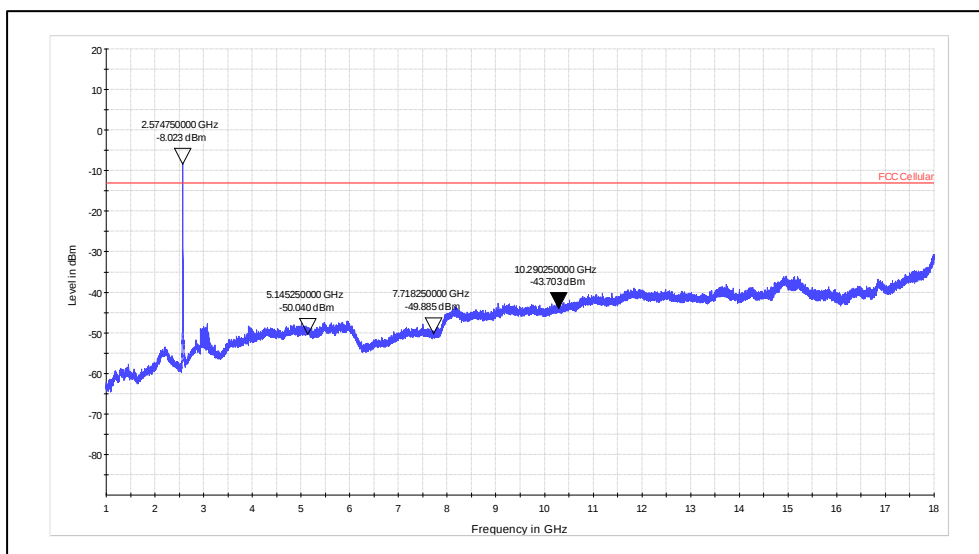
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Band-38_Ch-2572.5MHz_1RB#24_QPSK_1-18GHz_Vertical



Band-38_Ch-2572.5MHz_1RB#24_QPSK_1-18GHz_Horizontal



Prüfbericht - Nr.:

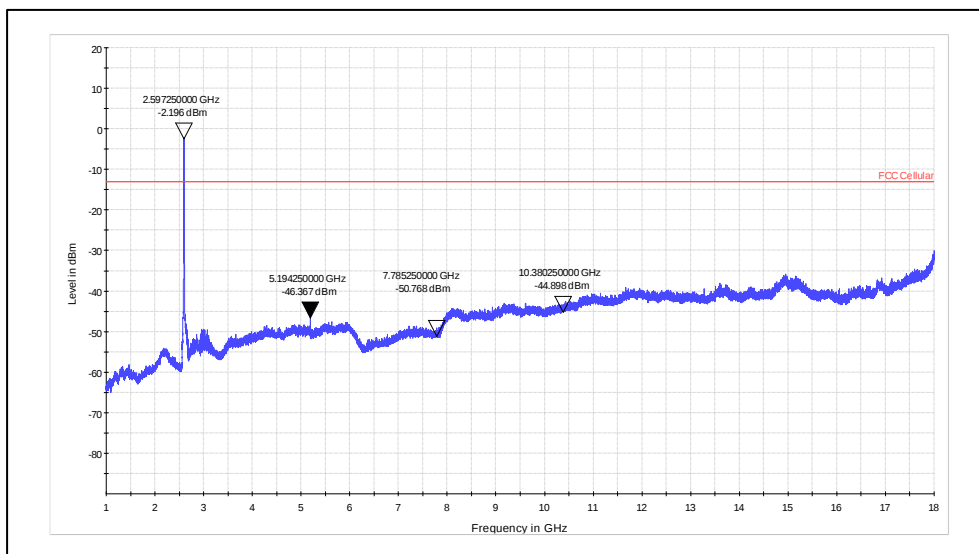
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IN244I1B 001

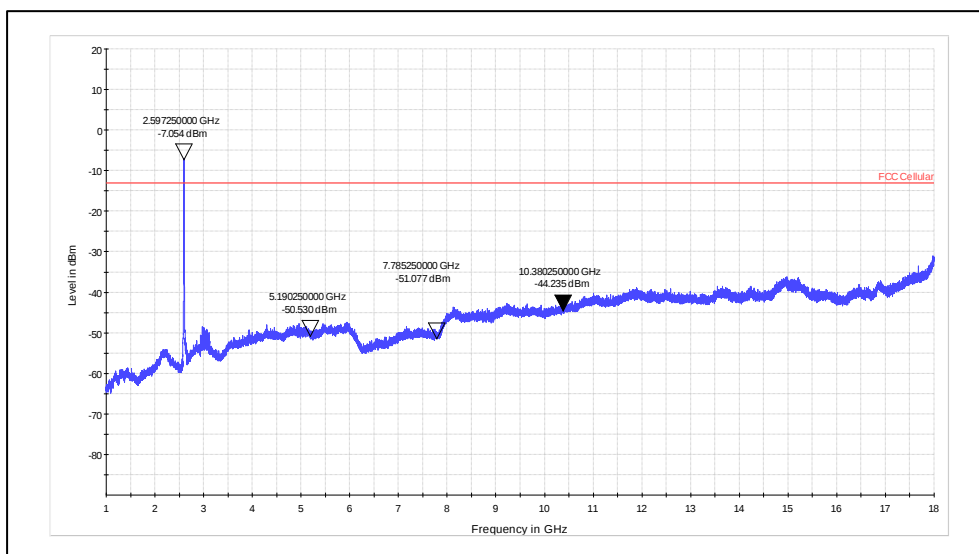
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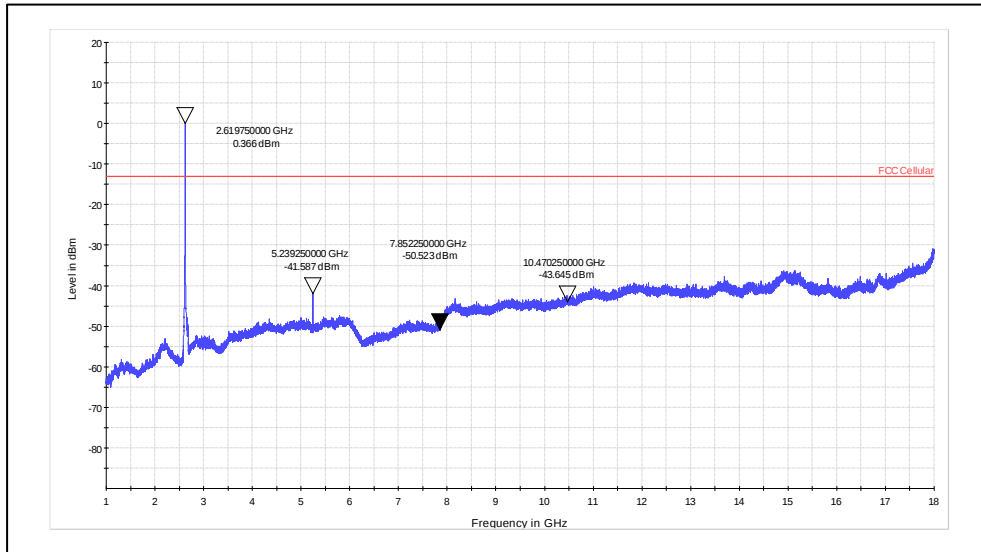
Band-38_Ch-2595MHz_1RB#24_QPSK_1-18GHz_Vertical



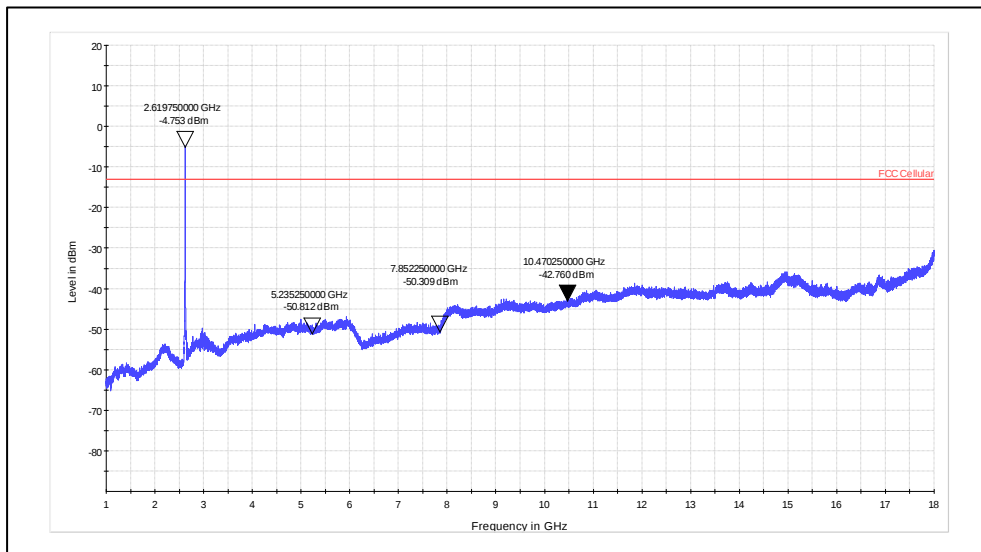
Band-38_Ch-2595MHz_1RB#24_QPSK_1-18GHz_Horizontal



Band-38_Ch-2617.5MHz_1RB#24_QPSK_1-18GHz_Vertical



Band-38_Ch-2617.5MHz_1RB#24_QPSK_1-18GHz_Horizontal



Prüfbericht - Nr.:

Test Report No.:

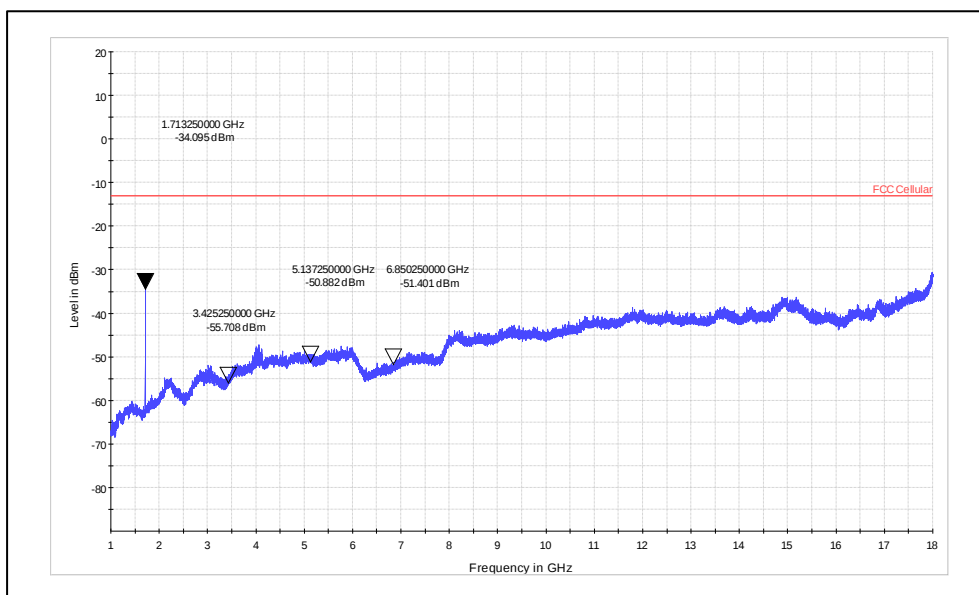
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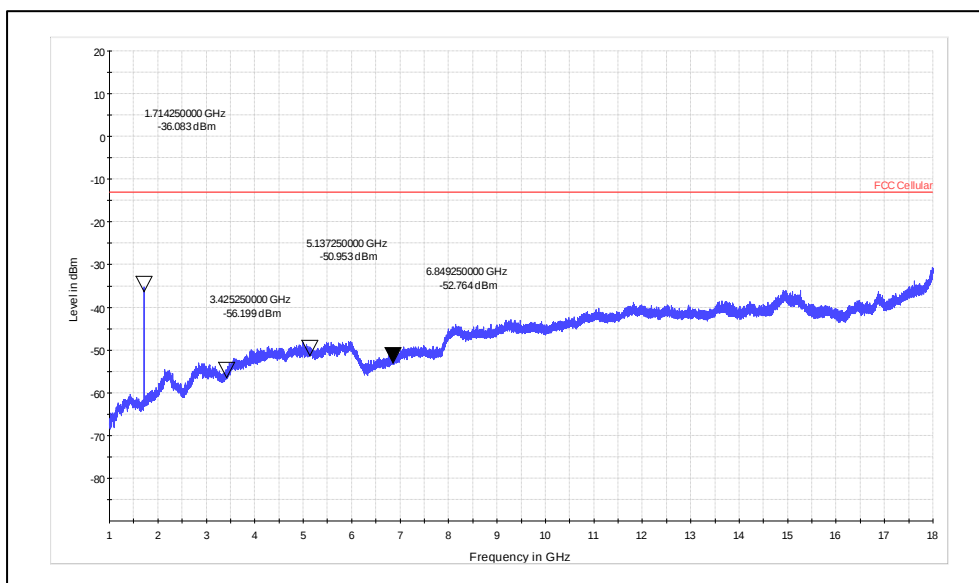
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Test Plots for WCDMA:

Band-4_Ch-1712.4MHz_1-18GHz_Vertical



Band-4_Ch-1712.4MHz_1-18GHz_Horizontal



Prüfbericht - Nr.:

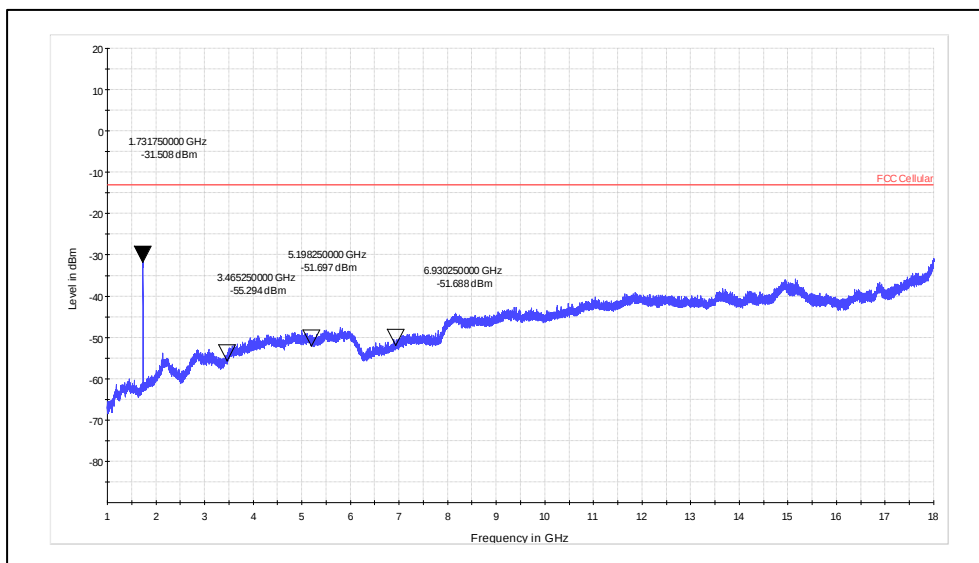
Test Report No.:

IN244I1B 001

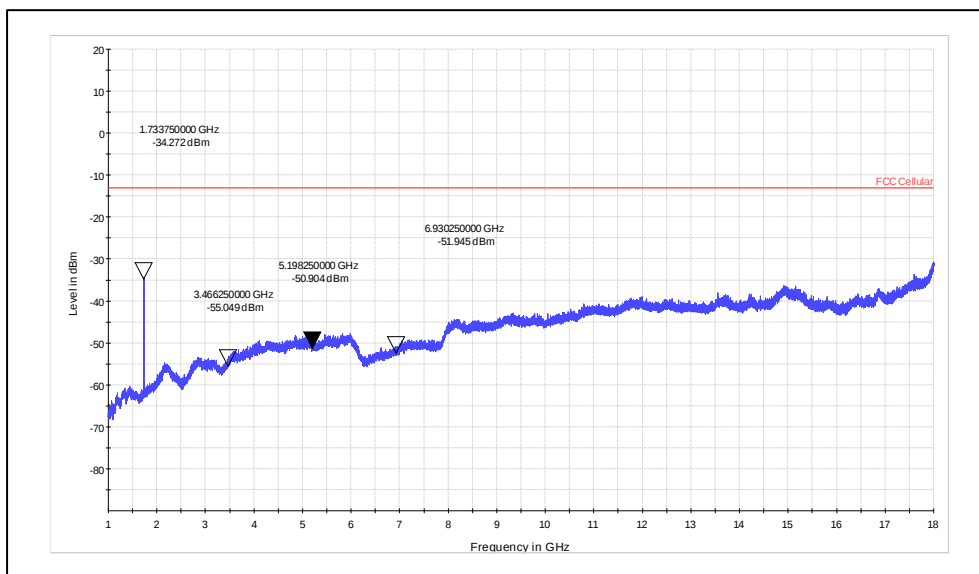
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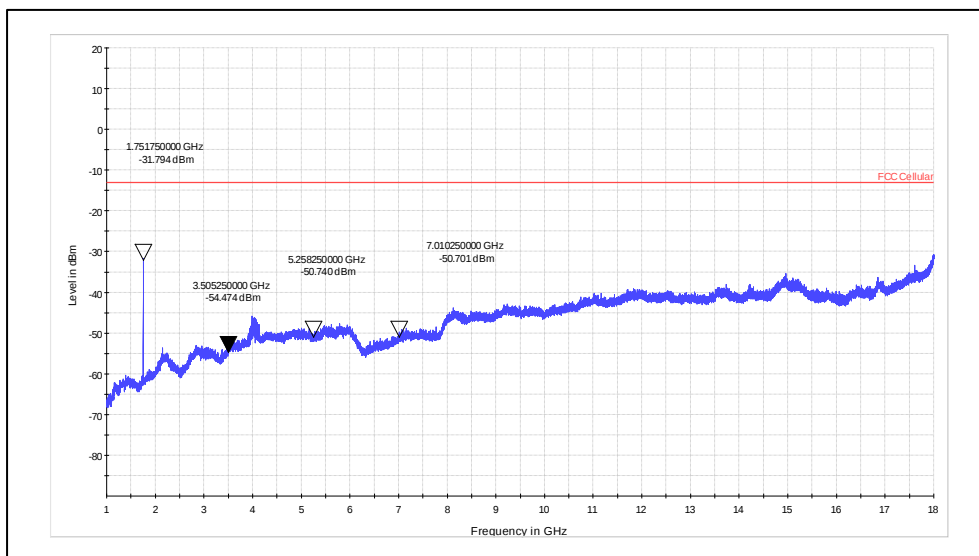
Band-4_Ch-1732.6MHz_1-18GHz_Vertical



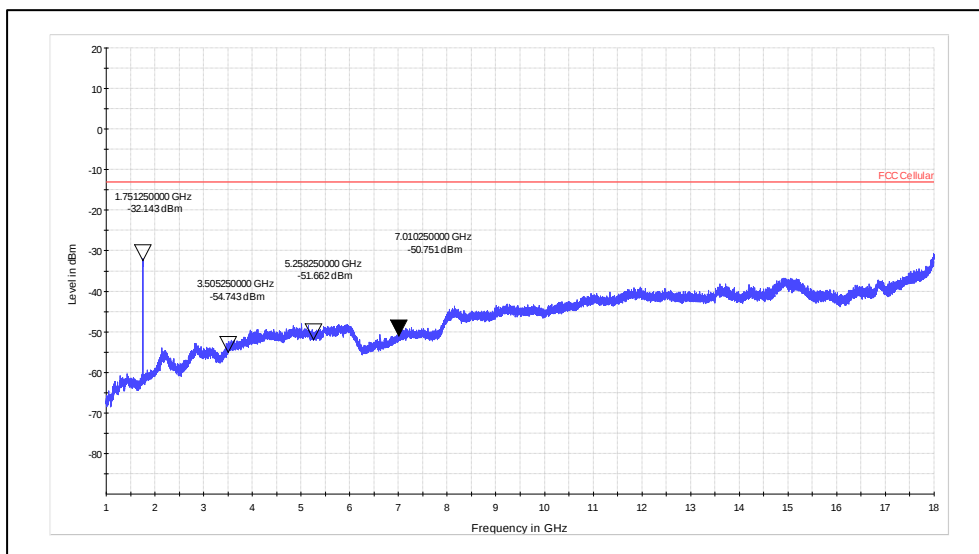
Band-4_Ch-1732.6MHz_1-18GHz_Horizontal



Band-4_Ch-1752.6MHz_1-18GHz_Vertical



Band-4_Ch-1752.6MHz_1-18GHz_Horizontal



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8 AC Power lines Conducted Emission

Result

Pass

Test Specification: FCC Part 15 Section 15.207
RSS Gen Issue 5, Section 8.8

Test Method: ANSI C 63.10-2013

Testing Location: Screened room

Measurement Bandwidth: 9kHz

Frequency Range: 150kHz – 30MHz

Supply Voltage: 110VAC,60Hz

Test Method: Refer TEST METHODOLOGY

Limits of section 15.207

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency

Test Conditions:

Normal Temperature = +24°C Voltage (V norm) = 110V AC through AC to DC Adapter
Relative Humidity = 64%

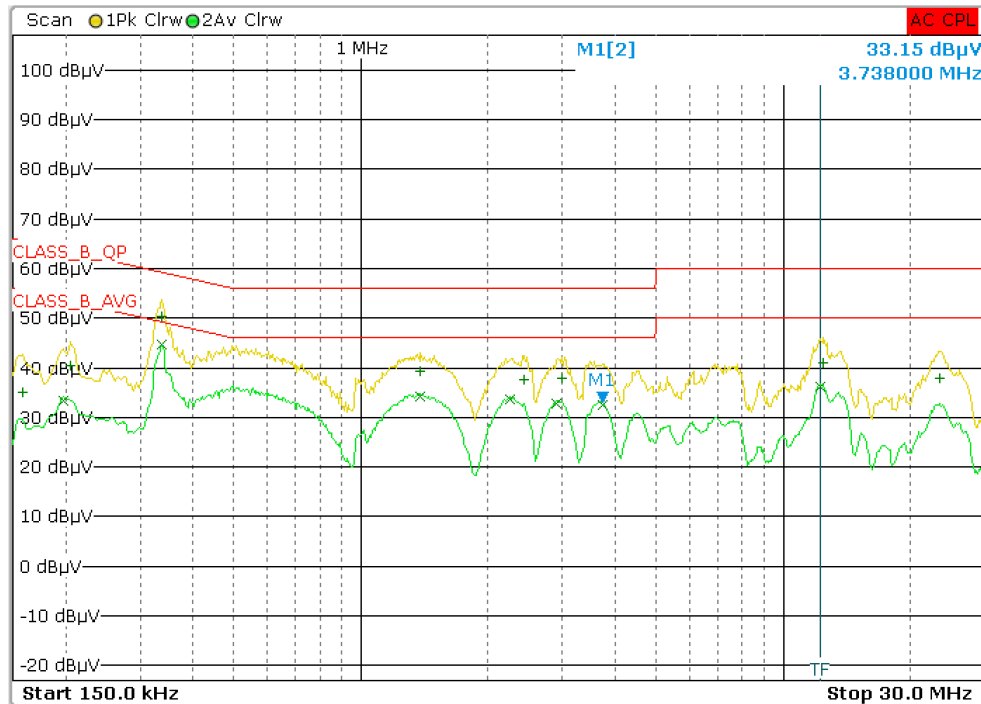
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Test Result:

Power: 110V 60Hz_LINE



Line Graph

Trace	Frequency	Level (dBμV)	Phase	Detector	Delta Limit/dB
2	338.000000000 kHz	44.61		Average	-4.64
1	338.000000000 kHz	50.30		Quasi Peak	-8.95
2	1.382000000 MHz	34.20		Average	-11.80
2	2.250000000 MHz	33.58		Average	-12.42
2	2.906000000 MHz	32.77		Average	-13.23
2	3.738000000 MHz	32.40		Average	-13.60
2	12.206000000 MHz	36.16		Average	-13.84
1	1.386000000 MHz	39.21		Quasi Peak	-16.79
1	2.998000000 MHz	37.84		Quasi Peak	-18.16
1	2.430000000 MHz	37.63		Quasi Peak	-18.37
1	12.454000000 MHz	40.90		Quasi Peak	-19.10
2	198.000000000 kHz	33.41		Average	-20.28
1	23.422000000 MHz	37.97		Quasi Peak	-22.03
1	206.000000000 kHz	40.54		Quasi Peak	-22.83
1	158.000000000 kHz	35.17		Quasi Peak	-30.40

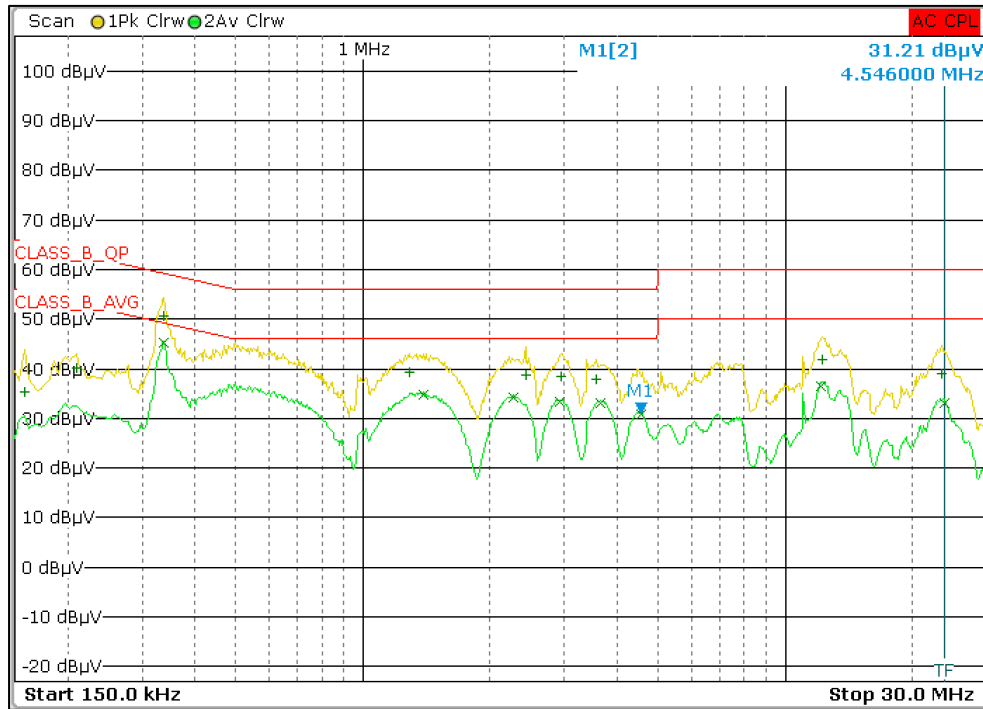
Line Table

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Power: 110V 60Hz_NEUTRAL



Neutral Graph

Trace	Frequency	Level (dBµV)	Phase	Detector	Delta Limit/dB
2	338.00000000 kHz	45.13		Average	-4.12
2	338.00000000 kHz	45.12		Average	-4.13
1	338.00000000 kHz	50.61		Quasi Peak	-8.64
1	338.00000000 kHz	50.60		Quasi Peak	-8.65
2	1.394000000 MHz	34.71		Average	-11.29
2	2.270000000 MHz	34.14		Average	-11.86
2	2.922000000 MHz	33.30		Average	-12.70
2	3.650000000 MHz	32.99		Average	-13.01
2	12.154000000 MHz	36.51		Average	-13.49
2	4.546000000 MHz	30.69		Average	-15.31
1	1.290000000 MHz	39.32		Quasi Peak	-16.68
2	23.798000000 MHz	33.15		Average	-16.85
1	2.426000000 MHz	38.62		Quasi Peak	-17.38
1	2.954000000 MHz	38.36		Quasi Peak	-17.64
1	3.558000000 MHz	37.96		Quasi Peak	-18.04
1	12.226000000 MHz	41.92		Quasi Peak	-18.08
1	23.426000000 MHz	39.09		Quasi Peak	-20.91
1	210.000000000 kHz	40.21		Quasi Peak	-23.00
1	158.000000000 kHz	35.40		Quasi Peak	-30.17

Neutral Table

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*****END OF TEST REPORT*****