Prüfbericht-Nr.: *Test report no.:*	**IN24CGBD 001**	**Auftrags-Nr.:** *Order no.:*	146873078 090	Seite 1 von 69 *Page 1 of 69*
Kunden-Referenz-Nr.: *Client reference no.:*	2026143	**Auftragsdatum:** *Order date:*	2024-01-19	
Auftraggeber: *Client:*	Schneider Electric 7262 Marconi Street Montreal, QC H2R 2Z5 Canada			
Prüfgegenstand: *Test item:*	Ecostruxure Flex-Server			
Bezeichnung.: *Identification .:*	Main Model: ESXBFXSVR0BC008 Associated Model: ESXBFXSVR0BC016, ESXBFXSVR0BC032			
Auftrags-Inhalt: *Order content*:	Testing and issue of Test Report with Grant Certificate			
Prüfgrundlage: *Test specification:*	CFR 47 FCC Part 24 Subpart E, FCC Part15 SubpartC 15.207 RSS Gen Issue 5, RSS-133 Issue 6			
Wareneingangsdatum: *Date of sample receipt:*	2024-01-23			
Prüfmuster-Nr & Serien-Nr.: *Test sample no & serial no.:*	A003649514-001 Engineering Sample			
Prüfzeitraum: *Testing period:*	2024-01-24 - 2024-02-09			
Ort der Prüfung: *Place of testing:*	Wireless laboratory, Bangalore			
Prüflaboratorium: *Testing laboratory:*	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*: *Test result*:*	Pass			

geprüft von:		**genehmigt von:** *authorized by:*	
Datum: *Date:* 2024-07-17	M.V. Naveen Kumar	**Ausstellatum:** *Issue date:* 2024-07-17	Madhu K.N
Stellung / *Position:*	**M.V.Naveen Kumar** **Senior Engineer**	**Stellung** / *Position:*	**Madhu K.N** **Assistant Manager**

Sonstiges / *Other:*	FCC ID: 2BATG-ESXBFXSVR0BC IC : 30486-ESXBFXSVR0BC HVIN: ESXBFXSVR0BC008; ESXBFXSVR0BC016; ESXBFXSVR0BC032
Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:*	**Prüfmuster vollständig und unbeschädigt** ***Test item complete and undamaged***

* 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*

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. *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.*
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. *Test clauses with remark of * are subcontracted to qualified subcontractors and descripted under the respective test clause in the report.* *Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.*
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. *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.*

TEST SUMMARY

Test Item	FCC Clause	ISED Clause	Results
Conducted Output Average Power and Peak to Average Power ratio	§2.1046 §24.232 (c) & (d)	RSS-133, §6.4	Pass
Equivalent Isotropic Radiated Power (EIRP) / Effective Radiated Power (ERP)	§2.1046 §24.232 (c) & (d)	RSS-Gen, §6.12;	Pass
Field strength of spurious radiation	§2.1053 §24.238	RSS-133, §6.5	Pass
Frequency Stability	§2.1055 §24.235	RSS-Gen, §6.13;	N/T
Emission Bandwidth and Occupied Bandwidth	§2.1049	RSS-133, §6.2	N/T
Band Edge	§2.1051 §24.238	RSS-Gen, §6.6	N/T
Spurious emissions at antenna terminals	§2.1051 §24.238	RSS-Gen, §6.13	N/T
AC Powerlines Conducted emission	§FCC 15.207	RSS Gen Issue 5 Section 8.8	Pass

Note:

N/T: Not Tested since Ecostruxure 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 Number	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

REVISION HISTORY OF THIS REPORT

Report Number	Version	Description	Issue date
IN24CGBD 001	01	Initial issue of report	2024-07-17

Table of Contents

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,
   Electronic city Phase1
   Bangalore – 560 100,
   India

2. TUV 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	-	23.03.2025	Yearly	
Fully Anechoic Chamber	Albatross	-	-	-	-	-	
EMI Receiver	Rohde & Schwarz	ESW 44	103384	4.73 SP5	10.05.2025	Yearly	
30dB Attenuator	Mini Circuits	BW-N30W5+	938	-	12.10.2024	Yearly	Antenna – Port Conducted Test
Radio Communication tester	Rohde & Schwarz	CMW 500	1201.0002K50	-	28.10.2024	Yearly	
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100811	-	12-07-2024	Yearly	AC Powerlines Test Case
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 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, WCDMA, GSM 1900MHz				
LTE E-UTRA operating bands		Band	Bandwidth (MHz)	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		2	1.4, 3, 5, 10, 15, 20	1850.7 - 1909.3	1930.7- 1989.3	QPSK, 16QAM
		25	1.4, 3, 5, 10, 15, 20	1850 – 1915	1930.0 - 1995	QPSK, 16QAM
WCDMA UMTS Operating Band		2	-	1850 - 1910	1930 to 1990	QPSK
GSM 1900MHz		GSM 1900	-	1850 to 1910 MHz	1930 to 1990 MHz	8PSK
Transmitted Power for LTE (dBm)		Band	Power Class	Max. Conducted Average. Output Power		
		2	Power Class 3:23dBm	24.92dBm@CB15MHz, QPSK(1857.5MHz)		
		25	Power Class 3:23dBm	24.27dBm@CB3MHz, QPSK(1882.5MHz)		
Transmitted Power for WCDMA (dBm)		2	Power class 3:24dBm	22.93dBm@QPSK(1907.6MHz)		
Transmitted Power for GSM 1900MHz		GSM 1900	Power class 5:33dBm	29.30dBm@1909.8MHz		
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/DC Adapter				
Environmental conditions	**Storage condition**	–20°C to +65°C				
	Operating condition	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 ℃
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	2	1850 - 1909.9	1930 - 1989.9
	25	1850 - 1915	1930 - 1995
WCDMA	2	1850 - 1910	1930 - 1990
GSM	1900MHz	1850 - 1910	1930 - 1990

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 Part22 Subpart H & RSS Gen Issue 5, RSS 132 Issue 4	IN24CDFM 001
RF test report for FCC Part24 Subpart E & RSS Gen Issue 5, RSS-133 Issue 6	**IN24CGBD 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	IN24O1Z3 001
RF test report for FCC Part90 Subpart S & RSS Gen Issue 5, RSS-132 Issue 4	IN24BEGN 001

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.

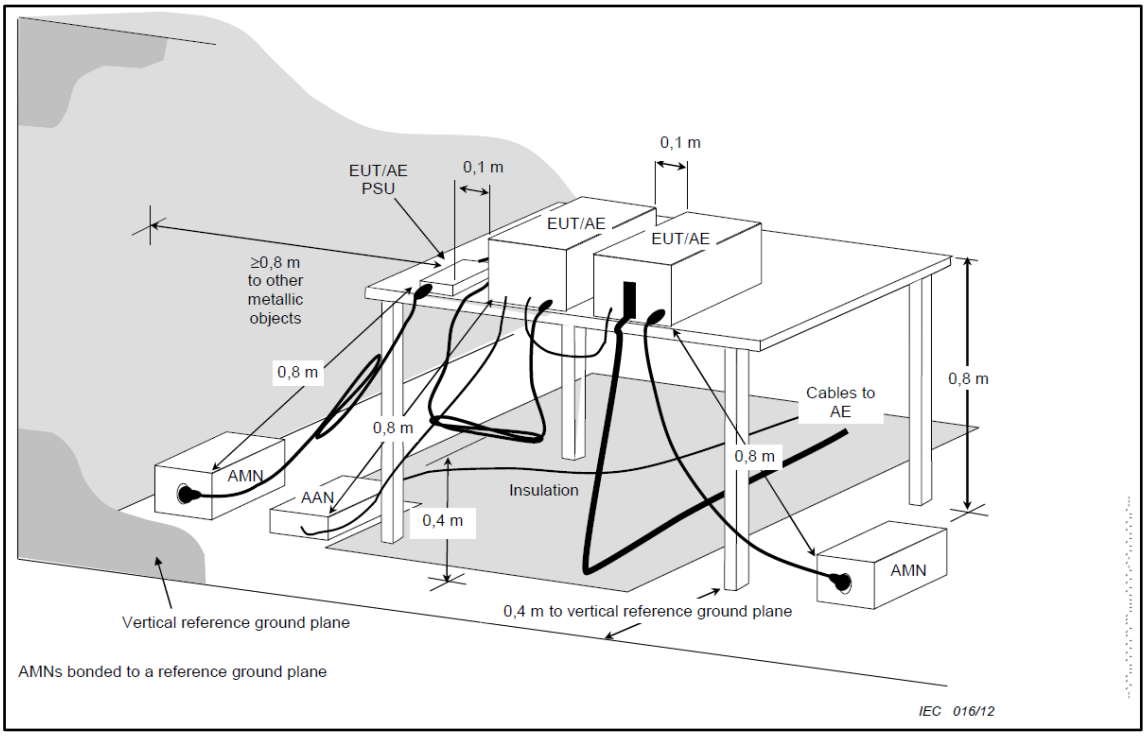
6 TEST METHODOLOGY

6.1 AC Powerlines 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 by 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

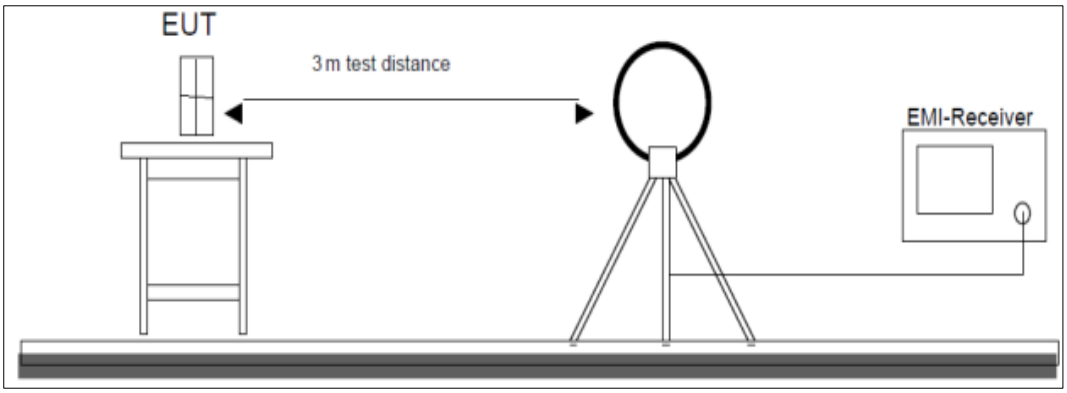


Figure 1: Frequency Range 9 kHz- 30 MHz

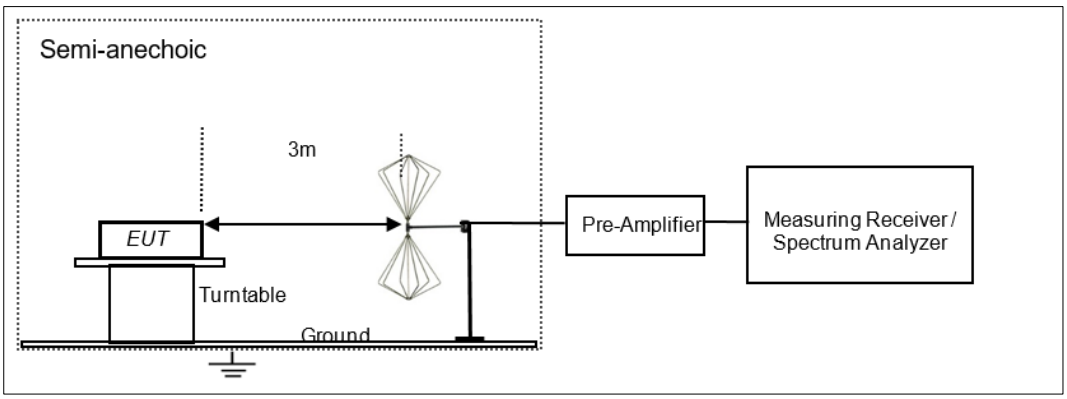


Figure 2: Frequency Range 30 MHz – 200 MHz

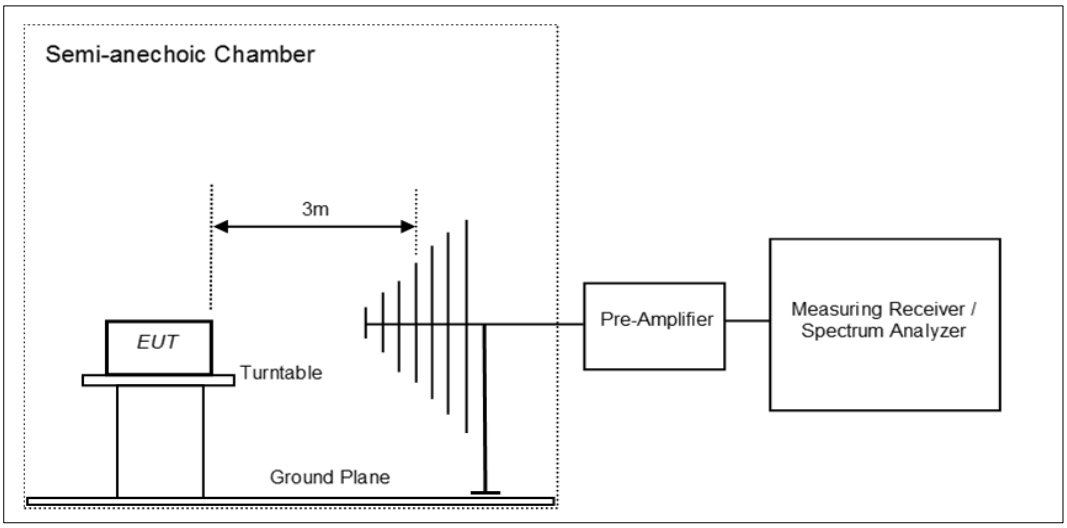


Figure 3: Frequency Range 200 MHz - 1GHz

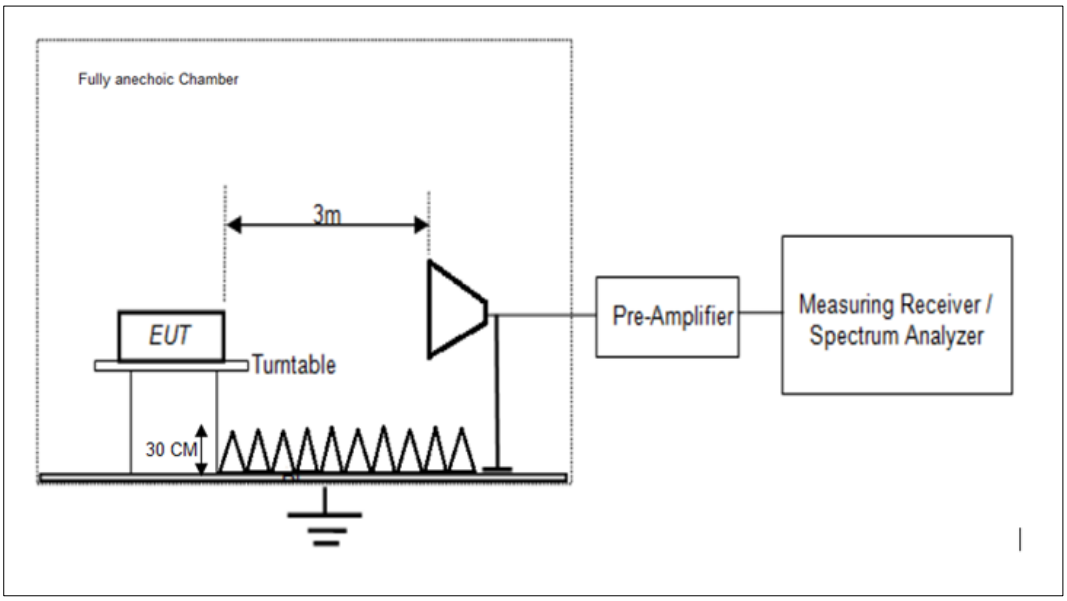


Figure 4: Frequency Range above 1 GHz

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:

Emission Power = EUT_{Prec} [dBm EIRP/ ERP] + P_L [dB]

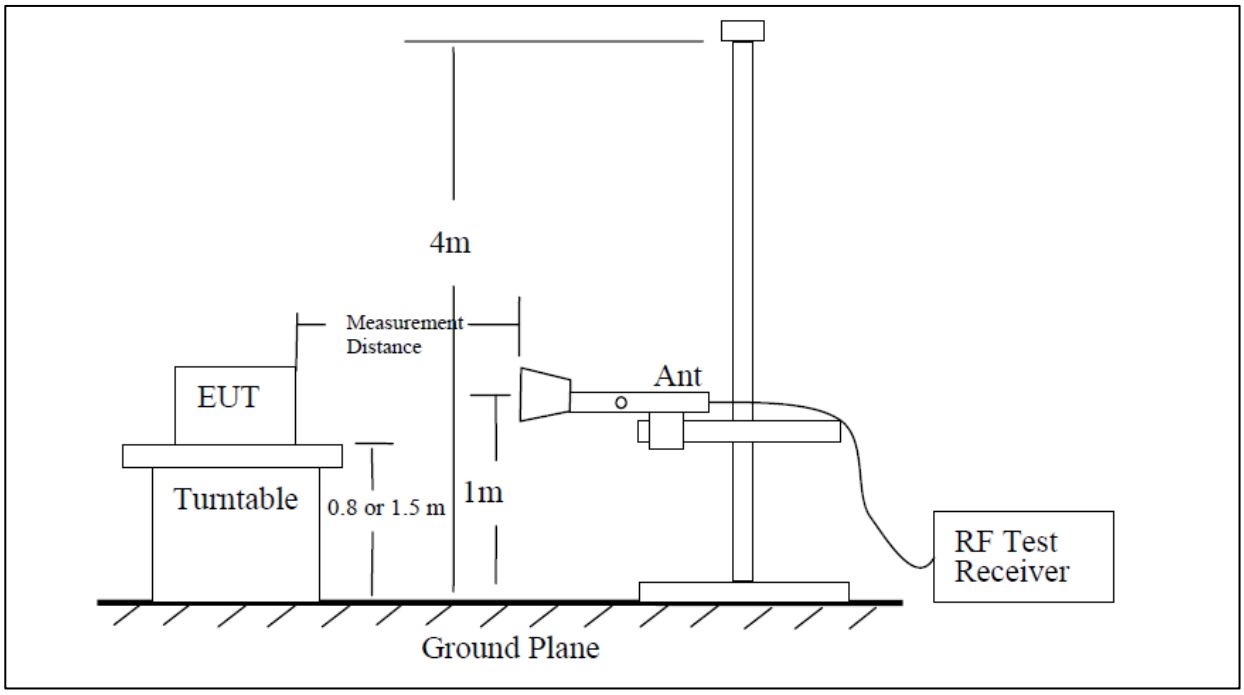
where

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

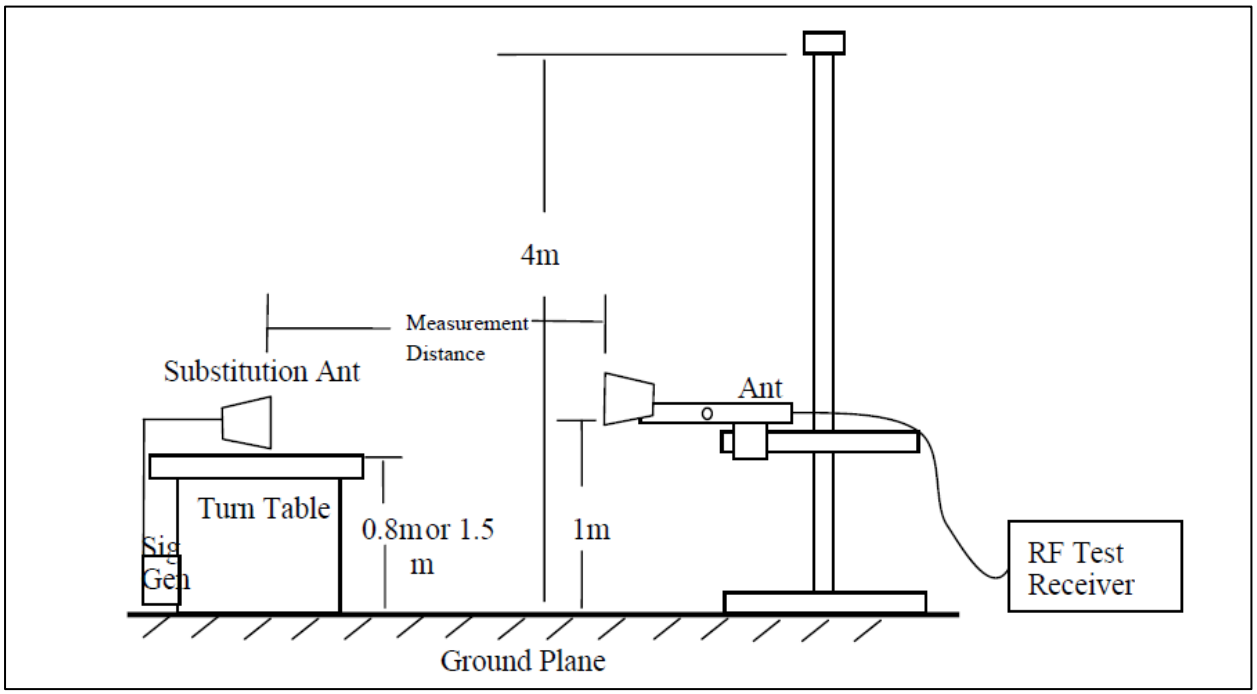
PL = path loss determined on the frequency of the EUT emission or calculated using linear interpolation between site characterization frequencies.

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



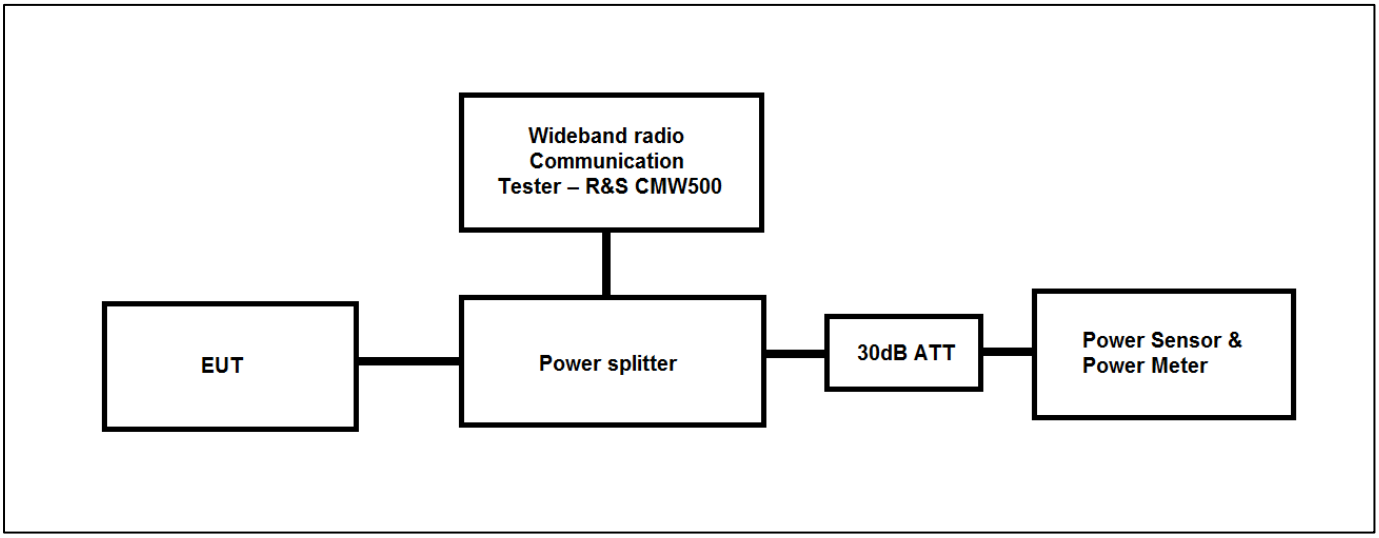
7 TEST RESULTS

7.1 PEAK – Average Ratio

Result ***Pass***

Specification	FCC Part §2.1046 & §24.232 RSS-133, §6.4 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

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

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
2	1.4MHz	QPSK	18607	1RB#0	27.12	22.47	4.65	13.00
			18607	1RB#2	26.98	22.40	4.58	13.00
			18607	1RB#5	26.93	22.32	4.61	13.00
			18607	3RB#1	28.80	23.95	4.85	13.00
			18607	3RB#0	28.75	23.90	4.85	13.00
			18607	3RB#3	28.65	23.85	4.80	13.00
			18607	6RB#0	29.01	23.72	5.29	13.00
			18900	1RB#5	27.20	22.56	4.64	13.00
			18900	1RB#0	27.35	22.73	4.62	13.00
			18900	1RB#2	27.35	22.69	4.66	13.00
			18900	3RB#0	28.24	23.38	4.86	13.00
			18900	3RB#1	28.26	23.47	4.79	13.00
			18900	3RB#3	27.16	22.22	4.94	13.00
			18900	6RB#0	29.15	23.73	5.42	13.00
			19193	1RB#2	27.16	22.56	4.60	13.00
			19193	1RB#5	27.03	22.39	4.64	13.00
			19193	1RB#0	27.26	22.61	4.65	13.00
			19193	3RB#0	28.19	23.31	4.88	13.00
			19193	3RB#3	27.98	23.15	4.83	13.00
			19193	3RB#1	27.96	23.13	4.83	13.00
			19193	6RB#0	29.16	23.94	5.22	13.00
		16QAM	18607	1RB#2	27.71	22.81	4.90	13.00
			18607	1RB#5	27.76	22.75	5.01	13.00
			18607	1RB#0	27.78	22.79	4.99	13.00
			18607	3RB#0	29.37	23.82	5.55	13.00
			18607	3RB#1	29.46	23.91	5.55	13.00
			18607	3RB#0	29.54	23.98	5.56	13.00
			18607	3RB#1	29.46	23.91	5.55	13.00
			18607	3RB#3	29.56	24.03	5.53	13.00
			18607	6RB#0	29.64	23.41	6.23	13.00
			18900	1RB#5	28.98	23.27	5.71	13.00
			18900	1RB#0	28.65	23.02	5.63	13.00
			18900	1RB#2	28.66	23.05	5.61	13.00
			18900	3RB#3	28.66	23.07	5.59	13.00
			18900	3RB#1	29.63	23.92	5.71	13.00
			18900	3RB#0	29.57	23.90	5.67	13.00
			18900	6RB#0	30.18	23.83	6.35	13.00
			19193	1RB#2	27.71	22.79	4.92	13.00
			19193	1RB#5	27.66	22.62	5.04	13.00
			19193	1RB#0	27.80	22.76	5.04	13.00
			19193	3RB#3	29.23	23.40	5.83	13.00
			19193	3RB#1	29.33	23.52	5.81	13.00
			19193	3RB#0	29.32	23.51	5.81	13.00
			19193	6RB#0	29.53	23.54	5.99	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
2	3MHz	QPSK	18615	1RB#14	26.62	22.35	4.27	13.00
			18615	1RB#0	27.51	22.99	4.52	13.00
			18615	1RB#8	27.45	23.05	4.40	13.00
			18615	8RB#7	28.82	23.90	4.92	13.00
			18615	8RB#4	28.76	23.91	4.85	13.00
			18615	8RB#0	28.80	23.91	4.89	13.00
			18615	15RB#0	29.35	23.89	5.46	13.00
			18900	1RB#14	27.61	22.95	4.66	13.00
			18900	1RB#8	27.63	23.07	4.56	13.00
			18900	1RB#0	27.31	22.67	4.64	13.00
			18900	8RB#7	28.73	23.69	5.04	13.00
			18900	8RB#0	28.85	23.91	4.94	13.00
			18900	8RB#4	28.95	23.91	5.04	13.00
			18900	15RB#0	29.31	23.81	5.50	13.00
			19185	1RB#14	27.19	22.54	4.65	13.00
			19185	1RB#8	27.75	22.74	5.01	13.00
			19185	1RB#0	27.28	22.64	4.64	13.00
			19185	8RB#4	28.62	23.53	5.09	13.00
			19185	8RB#0	28.62	23.63	4.99	13.00
			19185	8RB#7	28.51	23.62	4.89	13.00
			19185	15RB#0	28.93	23.56	5.37	13.00
		16QAM	18615	1RB#8	27.60	22.72	4.88	13.00
			18615	1RB#14	27.60	22.59	5.01	13.00
			18615	1RB#0	27.40	22.66	4.74	13.00
			18615	8RB#0	28.76	22.93	5.83	13.00
			18615	8RB#7	28.70	22.88	5.82	13.00
			18615	8RB#4	28.78	22.98	5.80	13.00
			18615	15RB#0	29.12	22.90	6.22	13.00
			18900	1RB#8	28.05	22.65	5.40	13.00
			18900	1RB#14	28.03	22.62	5.41	13.00
			18900	1RB#0	27.67	22.25	5.42	13.00
			18900	8RB#4	28.87	23.12	5.75	13.00
			18900	8RB#0	28.99	23.15	5.84	13.00
			18900	8RB#7	28.96	23.19	5.77	13.00
			18900	15RB#0	29.52	23.22	6.30	13.00
			19185	1RB#14	27.98	22.85	5.13	13.00
			19185	1RB#0	28.01	22.88	5.13	13.00
			19185	1RB#8	27.97	22.95	5.02	13.00
			19185	8RB#0	28.83	23.07	5.76	13.00
			19185	8RB#7	28.79	22.97	5.82	13.00
			19185	8RB#4	28.76	22.96	5.80	13.00
			19185	15RB#0	29.19	22.78	6.41	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
2	5MHz	QPSK	18625	1RB#24	26.77	22.26	4.51	13.00
			18625	1RB#12	26.99	22.52	4.47	13.00
			18625	1RB#0	27.00	22.49	4.51	13.00
			18625	12RB#6	28.74	23.82	4.92	13.00
			18625	12RB#0	28.78	23.83	4.95	13.00
			18625	12RB#13	28.76	23.86	4.90	13.00
			18625	25RB#0	29.39	23.79	5.60	13.00
			18900	1RB#24	28.01	23.43	4.58	13.00
			18900	1RB#0	28.02	23.46	4.56	13.00
			18900	1RB#12	27.94	22.94	5.00	13.00
			18900	12RB#6	29.08	24.18	4.90	13.00
			18900	12RB#0	29.00	23.95	5.05	13.00
			18900	12RB#13	29.01	24.15	4.86	13.00
			18900	25RB#0	29.61	24.05	5.56	13.00
			19175	1RB#0	27.23	22.59	4.64	13.00
			19175	1RB#12	27.59	23.04	4.55	13.00
			19175	1RB#24	27.23	22.65	4.58	13.00
			19175	12RB#0	28.90	24.02	4.88	13.00
			19175	12RB#6	28.81	23.97	4.84	13.00
			19175	12RB#13	28.81	23.96	4.85	13.00
			19175	25RB#0	29.43	24.00	5.43	13.00
		16QAM	18625	1RB#0	27.70	23.20	4.50	13.00
			18625	1RB#12	27.73	23.36	4.37	13.00
			18625	1RB#24	26.90	22.31	4.59	13.00
			18625	12RB#13	28.55	23.75	4.80	13.00
			18625	12RB#0	28.69	23.78	4.91	13.00
			18625	12RB#6	27.43	22.75	4.68	13.00
			18625	25RB#0	29.32	23.83	5.49	13.00
			18900	1RB#0	28.74	23.31	5.43	13.00
			18900	1RB#12	29.03	23.14	5.89	13.00
			18900	1RB#24	28.45	22.88	5.57	13.00
			18900	12RB#0	29.01	23.13	5.88	13.00
			18900	12RB#13	29.28	23.39	5.89	13.00
			18900	12RB#6	29.23	23.36	5.87	13.00
			18900	25RB#0	29.71	23.26	6.45	13.00
			19175	1RB#0	27.96	22.52	5.44	13.00
			19175	1RB#24	27.91	22.68	5.23	13.00
			19175	1RB#12	28.74	23.75	4.99	13.00
			19175	12RB#0	28.78	22.82	5.96	13.00
			19175	12RB#6	28.74	22.85	5.89	13.00
			19175	12RB#13	28.67	22.76	5.91	13.00
			19175	25RB#0	29.35	23.05	6.30	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
2	10MHz	QPSK	18650	1RB#0	27.25	22.71	4.54	13.00
			18650	1RB#24	27.81	23.29	4.52	13.00
			18650	1RB#49	26.80	22.23	4.57	13.00
			18650	25RB#12	28.85	23.84	5.01	13.00
			18650	25RB#0	28.81	23.77	5.04	13.00
			18650	25RB#25	28.82	23.75	5.07	13.00
			18650	50RB#0	28.82	23.87	4.95	13.00
			18900	1RB#49	27.30	22.55	4.75	13.00
			18900	1RB#0	27.85	23.73	4.12	13.00
			18900	1RB#24	27.99	23.65	4.34	13.00
			18900	25RB#0	28.64	23.44	5.20	13.00
			18900	25RB#12	28.99	23.93	5.06	13.00
			18900	25RB#25	29.02	23.57	5.45	13.00
			18900	50RB#0	29.31	23.77	5.54	13.00
			19150	1RB#24	28.14	23.50	4.64	13.00
			19150	1RB#49	27.23	22.66	4.57	13.00
			19150	1RB#0	27.65	22.95	4.70	13.00
			19150	25RB#0	28.85	23.79	5.06	13.00
			19150	25RB#25	28.44	23.43	5.01	13.00
			19150	25RB#12	28.60	23.65	4.95	13.00
			19150	50RB#0	29.76	24.12	5.64	13.00
		16QAM	18650	1RB#24	28.40	23.70	4.70	13.00
			18650	1RB#49	28.44	23.93	4.51	13.00
			18650	1RB#0	28.73	23.39	5.34	13.00
			18650	25RB#0	28.70	23.45	5.25	13.00
			18650	25RB#12	28.76	22.92	5.84	13.00
			18650	25RB#25	28.70	22.93	5.77	13.00
			18650	50RB#0	29.37	22.78	6.59	13.00
			18900	1RB#49	28.43	22.62	5.81	13.00
			18900	1RB#0	29.01	23.65	5.36	13.00
			18900	1RB#24	28.04	23.05	4.99	13.00
			18900	25RB#25	29.35	23.92	5.43	13.00
			18900	25RB#12	29.39	23.43	5.96	13.00
			18900	25RB#0	29.35	23.45	5.90	13.00
			18900	50RB#0	30.26	23.35	6.91	13.00
			19150	1RB#24	28.44	23.33	5.11	13.00
			19150	1RB#49	28.63	23.51	5.12	13.00
			19150	1RB#0	28.96	24.11	4.85	13.00
			19150	25RB#25	28.46	22.29	6.17	13.00
			19150	25RB#12	28.79	22.80	5.99	13.00
			19150	25RB#0	28.77	22.88	5.89	13.00
			19150	50RB#0	30.45	24.56	5.89	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
2	15MHz	QPSK	18675	1RB#74	27.23	22.56	4.67	13.00
			18675	1RB#0	28.27	23.62	4.65	13.00
			18675	1RB#38	27.72	23.15	4.57	13.00
			18675	36RB#39	28.91	23.94	4.97	13.00
			18675	36RB#18	29.04	23.85	5.19	13.00
			18675	36RB#0	29.05	23.75	5.30	13.00
			18675	75RB#0	29.66	24.92	4.74	13.00
			18900	1RB#74	28.13	23.57	4.56	13.00
			18900	1RB#38	28.24	23.52	4.72	13.00
			18900	1RB#0	27.25	22.47	4.78	13.00
			18900	36RB#0	28.64	23.42	5.22	13.00
			18900	36RB#39	29.13	24.08	5.05	13.00
			18900	36RB#18	29.15	24.06	5.09	13.00
			18900	75RB#0	29.45	23.74	5.71	13.00
			19125	1RB#74	27.20	22.74	4.46	13.00
			19125	1RB#38	27.65	23.18	4.47	13.00
			19125	1RB#0	27.16	22.71	4.45	13.00
			19125	36RB#18	29.17	23.41	5.76	13.00
			19125	36RB#0	27.67	22.54	5.13	13.00
			19125	36RB#39	27.66	22.52	5.14	13.00
			19125	75RB#0	30.02	24.09	5.93	13.00
		16QAM	18675	1RB#0	28.92	23.82	5.10	13.00
			18675	1RB#74	28.59	23.64	4.95	13.00
			18675	1RB#38	29.14	24.14	5.00	13.00
			18675	36RB#0	28.87	22.88	5.99	13.00
			18675	36RB#39	29.12	23.06	6.06	13.00
			18675	36RB#18	29.12	23.05	6.07	13.00
			18675	75RB#0	29.35	23.12	6.23	13.00
			18900	1RB#38	28.56	23.53	5.03	13.00
			18900	1RB#74	28.62	23.61	5.01	13.00
			18900	1RB#0	27.81	22.60	5.21	13.00
			18900	36RB#18	29.35	23.36	5.99	13.00
			18900	36RB#0	29.13	23.07	6.06	13.00
			18900	36RB#39	29.29	23.20	6.09	13.00
			18900	75RB#0	29.70	23.26	6.44	13.00
			19125	1RB#74	28.48	23.33	5.15	13.00
			19125	1RB#0	28.91	23.94	4.97	13.00
			19125	1RB#38	28.36	23.75	4.61	13.00
			19125	36RB#0	29.05	23.01	6.04	13.00
			19125	36RB#39	29.11	22.97	6.14	13.00
			19125	36RB#18	29.05	22.99	6.06	13.00
			19125	75RB#0	29.85	23.18	6.67	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
2	20MHz	QPSK	18700	1RB#99	27.66	23.10	4.56	13.00
			18700	1RB#49	28.38	23.73	4.65	13.00
			18700	1RB#0	27.41	22.69	4.72	13.00
			18700	50RB#25	29.18	23.97	5.21	13.00
			18700	50RB#0	29.15	23.99	5.16	13.00
			18700	50RB#50	28.98	23.96	5.02	13.00
			18700	100RB#0	29.62	23.98	5.64	13.00
			18900	1RB#99	27.38	22.67	4.71	13.00
			18900	1RB#0	28.72	24.13	4.59	13.00
			18900	1RB#49	27.11	22.61	4.50	13.00
			18900	50RB#25	28.27	23.05	5.22	13.00
			18900	50RB#0	28.76	23.64	5.12	13.00
			18900	50RB#50	28.74	23.68	5.06	13.00
			18900	100RB#0	29.37	23.43	5.94	13.00
			19100	1RB#0	27.51	22.98	4.53	13.00
			19100	1RB#49	27.61	23.08	4.53	13.00
			19100	1RB#99	27.02	22.50	4.52	13.00
			19100	50RB#0	27.94	22.75	5.19	13.00
			19100	50RB#25	28.75	23.71	5.04	13.00
			19100	50RB#50	28.65	23.67	4.98	13.00
			19100	100RB#0	30.02	24.04	5.98	13.00
		16QAM	18700	1RB#0	29.21	24.19	5.02	13.00
			18700	1RB#49	29.03	23.90	5.13	13.00
			18700	1RB#99	28.41	23.47	4.94	13.00
			18700	50RB#50	28.79	22.83	5.96	13.00
			18700	50RB#0	29.11	22.97	6.14	13.00
			18700	50RB#25	29.11	22.94	6.17	13.00
			18700	100RB#0	29.84	23.14	6.70	13.00
			18900	1RB#0	28.31	22.87	5.44	13.00
			18900	1RB#49	28.87	23.59	5.28	13.00
			18900	1RB#99	27.99	22.82	5.17	13.00
			18900	50RB#0	29.53	23.37	6.16	13.00
			18900	50RB#50	29.44	23.49	5.95	13.00
			18900	50RB#25	29.35	23.41	5.94	13.00
			18900	100RB#0	29.90	23.23	6.67	13.00
			19100	1RB#0	28.68	23.44	5.24	13.00
			19100	1RB#99	28.69	23.64	5.05	13.00
			19100	1RB#49	28.39	23.27	5.12	13.00
			19100	50RB#0	29.48	23.29	6.19	13.00
			19100	50RB#25	29.50	23.29	6.21	13.00
			19100	50RB#50	29.27	23.18	6.09	13.00
			19100	100RB#0	30.25	23.15	7.10	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
25	1.4MHz	QPSK	26047	1RB#0	27.10	22.25	4.85	13.00
			26047	1RB#2	27.21	22.68	4.53	13.00
			26047	1RB#5	27.17	22.58	4.59	13.00
			26047	3RB#1	28.22	23.47	4.75	13.00
			26047	3RB#0	28.19	23.46	4.73	13.00
			26047	3RB#3	28.40	23.16	5.24	13.00
			26047	6RB#0	28.95	24.10	4.85	13.00
			26365	1RB#5	27.02	23.42	3.60	13.00
			26365	1RB#0	27.22	22.65	4.57	13.00
			26365	1RB#2	27.04	22.46	4.58	13.00
			26365	3RB#0	28.19	23.29	4.90	13.00
			26365	3RB#1	28.33	23.42	4.91	13.00
			26365	3RB#3	28.35	23.43	4.92	13.00
			26365	6RB#0	28.62	23.36	5.26	13.00
			26683	1RB#2	27.15	22.51	4.64	13.00
			26683	1RB#5	26.92	22.84	4.08	13.00
			26683	1RB#0	27.07	22.68	4.39	13.00
			26683	3RB#0	27.75	23.11	4.64	13.00
			26683	3RB#3	27.23	22.64	4.59	13.00
			26683	3RB#1	27.16	22.62	4.54	13.00
			26683	6RB#0	27.78	22.71	5.07	13.00
		16QAM	26047	1RB#2	27.54	22.54	5.00	13.00
			26047	1RB#5	27.65	22.98	4.67	13.00
			26047	1RB#0	27.62	22.60	5.02	13.00
			26047	3RB#0	29.23	23.46	5.77	13.00
			26047	3RB#1	29.11	23.46	5.65	13.00
			26047	3RB#3	29.09	23.45	5.64	13.00
			26047	6RB#0	29.56	23.68	5.88	13.00
			26365	1RB#5	27.81	22.40	5.41	13.00
			26365	1RB#0	27.92	22.57	5.35	13.00
			26365	1RB#2	27.80	22.41	5.39	13.00
			26365	3RB#3	29.01	23.41	5.60	13.00
			26365	3RB#1	28.99	23.50	5.49	13.00
			26365	3RB#0	28.99	23.45	5.54	13.00
			26365	6RB#0	30.11	23.41	6.70	13.00
			26683	1RB#2	27.38	22.30	5.08	13.00
			26683	1RB#5	27.05	21.77	5.28	13.00
			26683	1RB#0	26.76	21.52	5.24	13.00
			26683	3RB#3	27.46	22.08	5.38	13.00
			26683	3RB#1	27.04	21.79	5.25	13.00
			26683	3RB#0	27.02	21.77	5.25	13.00
			26683	6RB#0	27.89	21.77	6.12	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
25	3MHz	QPSK	26055	1RB#14	26.81	22.18	4.63	13.00
			26055	1RB#0	27.48	22.95	4.53	13.00
			26055	1RB#8	27.46	22.80	4.66	13.00
			26055	8RB#7	23.71	22.67	1.04	13.00
			26055	8RB#4	28.51	23.57	4.94	13.00
			26055	8RB#0	28.49	23.56	4.93	13.00
			26055	15RB#0	29.01	23.69	5.32	13.00
			26365	1RB#14	27.31	22.63	4.68	13.00
			26365	1RB#8	27.21	22.65	4.56	13.00
			26365	1RB#0	27.35	22.67	4.68	13.00
			26365	8RB#7	29.22	24.23	4.99	13.00
			26365	8RB#0	29.21	24.27	4.94	13.00
			26365	8RB#4	29.12	24.26	4.86	13.00
			26365	15RB#0	28.56	23.37	5.19	13.00
			26675	1RB#14	27.67	23.08	4.59	13.00
			26675	1RB#8	27.04	22.48	4.56	13.00
			26675	1RB#0	26.88	22.47	4.41	13.00
			26675	8RB#4	28.51	23.75	4.76	13.00
			26675	8RB#0	27.48	22.81	4.67	13.00
			26675	8RB#7	27.36	22.73	4.63	13.00
			26675	15RB#0	28.35	23.18	5.17	13.00
		16QAM	26055	1RB#8	28.41	23.37	5.04	13.00
			26055	1RB#14	28.80	23.36	5.44	13.00
			26055	1RB#0	28.31	23.22	5.09	13.00
			26055	8RB#0	29.01	23.44	5.57	13.00
			26055	8RB#7	29.24	23.73	5.51	13.00
			26055	8RB#4	29.31	23.81	5.50	13.00
			26055	15RB#0	29.51	23.72	5.79	13.00
			26365	1RB#8	27.87	22.89	4.98	13.00
			26365	1RB#14	27.72	22.72	5.00	13.00
			26365	1RB#0	27.84	22.76	5.08	13.00
			26365	8RB#4	29.14	23.37	5.77	13.00
			26365	8RB#0	29.18	23.14	6.04	13.00
			26365	8RB#7	29.20	23.40	5.80	13.00
			26365	15RB#0	29.65	23.37	6.28	13.00
			26675	1RB#14	28.44	23.60	4.84	13.00
			26675	1RB#0	28.48	23.65	4.83	13.00
			26675	1RB#8	27.66	22.80	4.86	13.00
			26675	8RB#0	26.83	22.02	4.81	13.00
			26675	8RB#7	28.43	23.06	5.37	13.00
			26675	8RB#4	27.53	22.15	5.38	13.00
			26675	15RB#0	27.50	22.12	5.38	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
25	5MHz	QPSK	26065	1RB#24	27.36	22.79	4.57	13.00
			26065	1RB#12	27.69	22.16	5.53	13.00
			26065	1RB#0	27.37	22.83	4.54	13.00
			26065	12RB#6	27.28	22.67	4.61	13.00
			26065	12RB#0	28.41	23.64	4.77	13.00
			26065	12RB#13	28.34	23.45	4.89	13.00
			26065	25RB#0	27.58	22.70	4.88	13.00
			26365	1RB#24	27.25	22.63	4.62	13.00
			26365	1RB#0	27.24	22.69	4.55	13.00
			26365	1RB#12	27.32	22.78	4.54	13.00
			26365	12RB#6	28.43	23.44	4.99	13.00
			26365	12RB#0	28.52	23.45	5.07	13.00
			26365	12RB#13	28.50	23.44	5.06	13.00
			26365	25RB#0	29.16	23.43	5.73	13.00
			26665	1RB#0	27.31	22.74	4.57	13.00
			26665	1RB#12	27.05	22.45	4.60	13.00
			26665	1RB#24	26.85	22.27	4.58	13.00
			26665	12RB#0	28.53	23.70	4.83	13.00
			26665	12RB#6	27.40	22.54	4.86	13.00
			26665	12RB#13	27.34	22.50	4.84	13.00
			26665	25RB#0	29.18	23.88	5.30	13.00
		16QAM	26065	1RB#0	28.11	22.77	5.34	13.00
			26065	1RB#12	27.87	22.52	5.35	13.00
			26065	1RB#24	27.87	22.53	5.34	13.00
			26065	12RB#13	29.35	23.58	5.77	13.00
			26065	12RB#0	29.43	23.54	5.89	13.00
			26065	12RB#6	29.39	23.58	5.81	13.00
			26065	25RB#0	29.93	23.76	6.17	13.00
			26365	1RB#0	28.20	22.89	5.31	13.00
			26365	1RB#12	28.91	23.72	5.19	13.00
			26365	1RB#24	28.96	23.76	5.20	13.00
			26365	12RB#0	29.69	23.84	5.85	13.00
			26365	12RB#13	29.65	23.92	5.73	13.00
			26365	12RB#6	29.57	23.83	5.74	13.00
			26365	25RB#0	30.35	24.06	6.29	13.00
			26665	1RB#0	28.33	22.96	5.37	13.00
			26665	1RB#24	28.12	22.72	5.40	13.00
			26665	1RB#12	27.47	22.12	5.35	13.00
			26665	12RB#0	29.32	23.73	5.59	13.00
			26665	12RB#6	28.34	22.73	5.61	13.00
			26665	12RB#13	28.25	22.67	5.58	13.00
			26665	25RB#0	29.53	23.70	5.83	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
25	10MHz	QPSK	26090	1RB#0	27.34	22.77	4.57	13.00
			26090	1RB#24	27.43	22.93	4.50	13.00
			26090	1RB#49	26.88	22.30	4.58	13.00
			26090	25RB#12	28.69	23.71	4.98	13.00
			26090	25RB#0	28.54	23.55	4.99	13.00
			26090	25RB#25	28.56	23.53	5.03	13.00
			26090	50RB#0	28.79	23.62	5.17	13.00
			26365	1RB#49	27.49	22.85	4.64	13.00
			26365	1RB#0	28.30	23.69	4.61	13.00
			26365	1RB#24	27.82	23.29	4.53	13.00
			26365	25RB#0	28.54	23.45	5.09	13.00
			26365	25RB#12	28.72	23.70	5.02	13.00
			26365	25RB#25	28.72	23.75	4.97	13.00
			26365	50RB#0	29.05	23.62	5.43	13.00
			26640	1RB#24	27.32	22.74	4.58	13.00
			26640	1RB#49	27.26	22.37	4.89	13.00
			26640	1RB#0	27.60	22.80	4.80	13.00
			26640	25RB#0	29.00	23.88	5.12	13.00
			26640	25RB#25	27.26	23.77	3.49	13.00
			26640	25RB#12	27.62	23.85	3.77	13.00
			26640	50RB#0	28.71	23.97	4.74	13.00
		16QAM	26090	1RB#24	28.24	23.25	4.99	13.00
			26090	1RB#49	28.31	23.33	4.98	13.00
			26090	1RB#0	28.69	23.61	5.08	13.00
			26090	25RB#0	29.45	23.54	5.91	13.00
			26090	25RB#12	29.25	23.40	5.85	13.00
			26090	25RB#25	29.28	23.54	5.74	13.00
			26090	50RB#0	30.23	23.43	6.80	13.00
			26365	1RB#49	28.08	22.94	5.14	13.00
			26365	1RB#0	28.81	23.86	4.95	13.00
			26365	1RB#24	28.45	23.46	4.99	13.00
			26365	25RB#25	29.48	23.44	6.04	13.00
			26365	25RB#12	29.61	23.60	6.01	13.00
			26365	25RB#0	29.60	23.61	5.99	13.00
			26365	50RB#0	29.90	23.53	6.37	13.00
			26640	1RB#24	28.19	22.70	5.49	13.00
			26640	1RB#49	28.05	22.72	5.33	13.00
			26640	1RB#0	28.42	22.81	5.61	13.00
			26640	25RB#25	29.85	23.87	5.98	13.00
			26640	25RB#12	28.45	22.54	5.91	13.00
			26640	25RB#0	28.46	22.54	5.92	13.00
			26640	50RB#0	30.09	23.86	6.23	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
25	15MHz	QPSK	26115	1RB#74	27.54	22.96	4.58	13.00
			26115	1RB#0	27.58	22.91	4.67	13.00
			26115	1RB#38	26.93	22.93	4.00	13.00
			26115	36RB#39	28.76	23.72	5.04	13.00
			26115	36RB#18	28.57	23.52	5.05	13.00
			26115	36RB#0	28.55	23.50	5.05	13.00
			26115	75RB#0	29.51	23.58	5.93	13.00
			26365	1RB#74	27.11	22.27	4.84	13.00
			26365	1RB#38	27.96	23.23	4.73	13.00
			26365	1RB#0	27.21	22.61	4.60	13.00
			26365	36RB#0	28.81	23.41	5.40	13.00
			26365	36RB#39	28.21	23.11	5.10	13.00
			26365	36RB#18	28.13	23.04	5.09	13.00
			26365	75RB#0	29.48	23.80	5.68	13.00
			26615	1RB#74	27.15	22.42	4.73	13.00
			26615	1RB#38	28.21	23.51	4.70	13.00
			26615	1RB#0	27.68	22.94	4.74	13.00
			26615	36RB#18	29.06	23.74	5.32	13.00
			26615	36RB#0	28.59	23.46	5.13	13.00
			26615	36RB#39	28.56	23.43	5.13	13.00
			26615	75RB#0	29.15	23.55	5.60	13.00
		16QAM	26115	1RB#0	28.12	23.03	5.09	13.00
			26115	1RB#74	28.74	23.55	5.19	13.00
			26115	1RB#38	28.77	23.62	5.15	13.00
			26115	36RB#0	29.44	23.59	5.85	13.00
			26115	36RB#39	29.71	23.74	5.97	13.00
			26115	36RB#18	29.37	23.72	5.65	13.00
			26115	75RB#0	30.11	23.71	6.40	13.00
			26365	1RB#38	28.19	23.03	5.16	13.00
			26365	1RB#74	29.02	24.16	4.86	13.00
			26365	1RB#0	28.27	23.26	5.01	13.00
			26365	36RB#18	29.56	23.64	5.92	13.00
			26365	36RB#0	29.18	22.96	6.22	13.00
			26365	36RB#39	29.34	23.35	5.99	13.00
			26365	75RB#0	29.31	23.21	6.10	13.00
			26615	1RB#74	27.83	22.65	5.18	13.00
			26615	1RB#0	29.04	24.05	4.99	13.00
			26615	1RB#38	28.02	22.84	5.18	13.00
			26615	36RB#0	30.35	24.15	6.20	13.00
			26615	36RB#39	29.60	23.49	6.11	13.00
			26615	36RB#18	29.38	23.28	6.10	13.00
			26615	75RB#0	30.18	23.77	6.41	13.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Peak Output Power (dBm)	Conducted Average Output Power (dBm)	PAPR (dB)	Limit (dB)
25	20MHz	QPSK	26140	1RB#99	27.44	22.88	4.56	13.00
			26140	1RB#49	27.56	22.99	4.57	13.00
			26140	1RB#0	27.74	23.05	4.69	13.00
			26140	50RB#25	29.37	24.22	5.15	13.00
			26140	50RB#0	27.47	22.28	5.19	13.00
			26140	50RB#50	29.59	24.12	5.47	13.00
			26140	100RB#0	29.87	24.06	5.81	13.00
			26365	1RB#99	27.16	22.42	4.74	13.00
			26365	1RB#0	28.66	24.17	4.49	13.00
			26365	1RB#49	27.04	22.56	4.48	13.00
			26365	50RB#25	29.32	24.23	5.09	13.00
			26365	50RB#0	29.17	24.22	4.95	13.00
			26365	50RB#50	29.18	24.26	4.92	13.00
			26365	100RB#0	29.53	24.20	5.33	13.00
			26590	1RB#0	27.16	22.50	4.66	13.00
			26590	1RB#49	27.88	23.15	4.73	13.00
			26590	1RB#99	26.90	22.18	4.72	13.00
			26590	50RB#0	28.44	23.06	5.38	13.00
			26590	50RB#25	28.25	23.23	5.02	13.00
			26590	50RB#50	28.24	23.22	5.02	13.00
			26590	100RB#0	29.65	23.94	5.71	13.00
		16QAM	26140	1RB#0	27.94	22.79	5.15	13.00
			26140	1RB#49	28.15	22.18	5.97	13.00
			26140	1RB#99	28.26	22.85	5.41	13.00
			26140	50RB#50	29.64	23.00	6.64	13.00
			26140	50RB#0	29.79	23.68	6.11	13.00
			26140	50RB#25	29.82	23.74	6.08	13.00
			26140	100RB#0	29.96	23.66	6.30	13.00
			26365	1RB#0	29.07	23.64	5.43	13.00
			26365	1RB#49	28.75	23.52	5.23	13.00
			26365	1RB#99	28.83	23.51	5.32	13.00
			26365	50RB#0	29.51	23.43	6.08	13.00
			26365	50RB#50	29.30	23.41	5.89	13.00
			26365	50RB#25	29.33	23.42	5.91	13.00
			26365	100RB#0	30.58	24.24	6.34	13.00
			26590	1RB#0	28.92	23.42	5.50	13.00
			26590	1RB#99	28.71	23.73	4.98	13.00
			26590	1RB#49	26.97	21.96	5.01	13.00
			26590	50RB#0	30.16	24.08	6.08	13.00
			26590	50RB#25	29.75	23.68	6.07	13.00
			26590	50RB#50	29.77	23.96	5.81	13.00
			26590	100RB#0	30.50	24.09	6.41	13.00

Test Results for WCDMA:

WCDMA	Channel No.	Average Output Power (dBm)	Peak Output Power (dBm)	PAPR (dB)	Limit (dB)
Band 2	9262	22.86	26.91	4.05	13.00
	9400	22.82	26.79	3.97	13.00
	9538	22.93	26.72	3.79	13.00

Test Results for GSM 1900MHz:

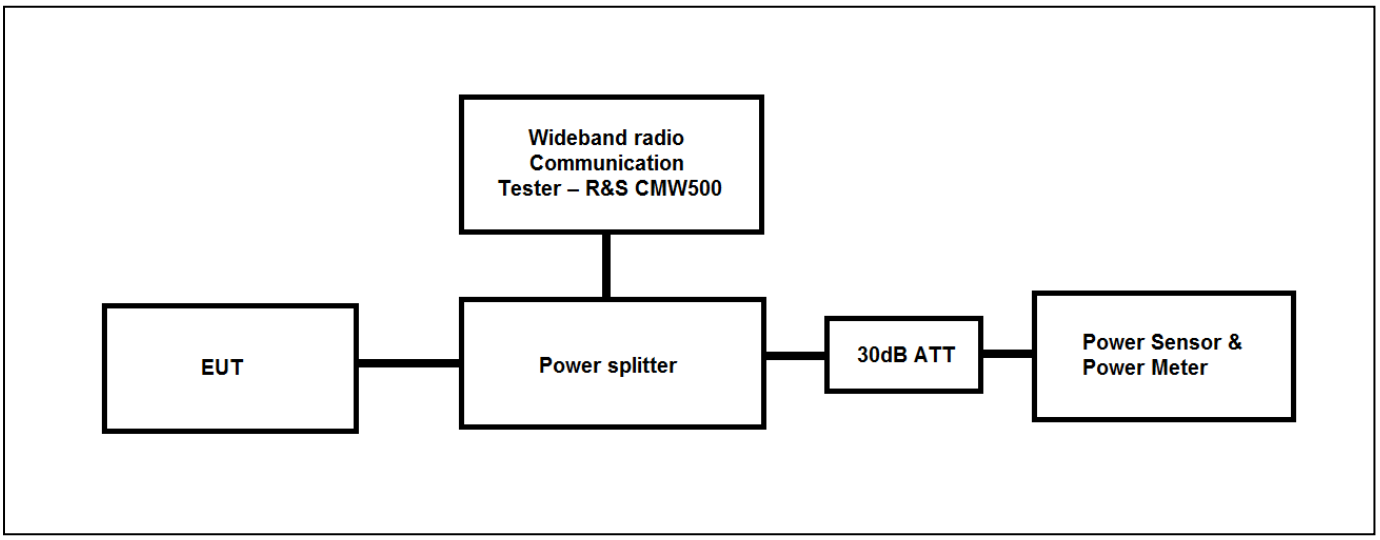
Band	Channel No.	Average Output Power (dBm)	Peak Output Power (dBm)	PAPR (dB)	Limit (dB)
GSM1900	512	29.03	29.45	0.42	13.00
	661	29.17	29.63	0.46	13.00
	810	29.30	29.72	0.42	13.00
EGPRS1900	512	29.16	29.98	0.82	13.00
	661	28.96	29.12	0.16	13.00
	810	29.05	29.89	0.84	13.00

7.2 EFFECTIVE (ISOTROPIC) RADIATED POWER

Result ***Pass***

Specification	FCC Part §2.1046 & §24.232 RSS-Gen, §6.12, RSS-133, §6.4 ANSI C63.26-2015
Test Method / Procedure	As per subclause 5 in 971168 D01 Power Meas License Digital Systems v03r01
Detector Function	Average
Requirement	The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 watts

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

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 (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)

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
2	1.4MHz	QPSK	18607	1RB#0	22.47	24.57	33.00
			18607	1RB#2	22.40	24.50	33.00
			18607	1RB#5	22.32	24.42	33.00
			18607	3RB#1	23.95	26.05	33.00
			18607	3RB#0	23.90	26.00	33.00
			18607	3RB#3	23.85	25.95	33.00
			18607	6RB#0	23.72	25.82	33.00
			18900	1RB#5	22.56	24.66	33.00
			18900	1RB#0	22.73	24.83	33.00
			18900	1RB#2	22.69	24.79	33.00
			18900	3RB#0	23.38	25.48	33.00
			18900	3RB#1	23.47	25.57	33.00
			18900	3RB#3	22.22	24.32	33.00
			18900	6RB#0	23.73	25.83	33.00
			19193	1RB#2	22.56	24.66	33.00
			19193	1RB#5	22.39	24.49	33.00
			19193	1RB#0	22.61	24.71	33.00
			19193	3RB#0	23.31	25.41	33.00
			19193	3RB#3	23.15	25.25	33.00
			19193	3RB#1	23.13	25.23	33.00
			19193	6RB#0	23.94	26.04	33.00
		16QAM	18607	1RB#2	22.81	24.91	33.00
			18607	1RB#5	22.75	24.85	33.00
			18607	1RB#0	22.79	24.89	33.00
			18607	3RB#0	23.82	25.92	33.00
			18607	3RB#1	23.91	26.01	33.00
			18607	3RB#0	23.98	26.08	33.00
			18607	3RB#1	23.91	26.01	33.00
			18607	3RB#3	24.03	26.13	33.00
			18607	6RB#0	23.41	25.51	33.00
			18900	1RB#5	23.27	25.37	33.00
			18900	1RB#0	23.02	25.12	33.00
			18900	1RB#2	23.05	25.15	33.00
			18900	3RB#3	23.07	25.17	33.00
			18900	3RB#1	23.92	26.02	33.00
			18900	3RB#0	23.90	26.00	33.00
			18900	6RB#0	23.83	25.93	33.00
			19193	1RB#2	22.79	24.89	33.00
			19193	1RB#5	22.62	24.72	33.00
			19193	1RB#0	22.76	24.86	33.00
			19193	3RB#3	23.40	25.50	33.00
			19193	3RB#1	23.52	25.62	33.00
			19193	3RB#0	23.51	25.61	33.00
			19193	6RB#0	23.54	25.64	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
2	3MHz	QPSK	18615	1RB#14	22.35	24.45	33.00
			18615	1RB#0	22.99	25.09	33.00
			18615	1RB#8	23.05	25.15	33.00
			18615	8RB#7	23.90	26.00	33.00
			18615	8RB#4	23.91	26.01	33.00
			18615	8RB#0	23.91	26.01	33.00
			18615	15RB#0	23.89	25.99	33.00
			18900	1RB#14	22.95	25.05	33.00
			18900	1RB#8	23.07	25.17	33.00
			18900	1RB#0	22.67	24.77	33.00
			18900	8RB#7	23.69	25.79	33.00
			18900	8RB#0	23.91	26.01	33.00
			18900	8RB#4	23.91	26.01	33.00
			18900	15RB#0	23.81	25.91	33.00
			19185	1RB#14	22.54	24.64	33.00
			19185	1RB#8	22.74	24.84	33.00
			19185	1RB#0	22.64	24.74	33.00
			19185	8RB#4	23.53	25.63	33.00
			19185	8RB#0	23.63	25.73	33.00
			19185	8RB#7	23.62	25.72	33.00
			19185	15RB#0	23.56	25.66	33.00
		16QAM	18615	1RB#8	22.72	24.82	33.00
			18615	1RB#14	22.59	24.69	33.00
			18615	1RB#0	22.66	24.76	33.00
			18615	8RB#0	22.93	25.03	33.00
			18615	8RB#7	22.88	24.98	33.00
			18615	8RB#4	22.98	25.08	33.00
			18615	15RB#0	22.90	25.00	33.00
			18900	1RB#8	22.65	24.75	33.00
			18900	1RB#14	22.62	24.72	33.00
			18900	1RB#0	22.25	24.35	33.00
			18900	8RB#4	23.12	25.22	33.00
			18900	8RB#0	23.15	25.25	33.00
			18900	8RB#7	23.19	25.29	33.00
			18900	15RB#0	23.22	25.32	33.00
			19185	1RB#14	22.85	24.95	33.00
			19185	1RB#0	22.88	24.98	33.00
			19185	1RB#8	22.95	25.05	33.00
			19185	8RB#0	23.07	25.17	33.00
			19185	8RB#7	22.97	25.07	33.00
			19185	8RB#4	22.96	25.06	33.00
			19185	15RB#0	22.78	24.88	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
2	5MHz	QPSK	18625	1RB#24	22.26	24.36	33.00
			18625	1RB#12	22.52	24.62	33.00
			18625	1RB#0	22.49	24.59	33.00
			18625	12RB#6	23.82	25.92	33.00
			18625	12RB#0	23.83	25.93	33.00
			18625	12RB#13	23.86	25.96	33.00
			18625	25RB#0	23.79	25.89	33.00
			18900	1RB#24	23.43	25.53	33.00
			18900	1RB#0	23.46	25.56	33.00
			18900	1RB#12	22.94	25.04	33.00
			18900	12RB#6	24.18	26.28	33.00
			18900	12RB#0	23.95	26.05	33.00
			18900	12RB#13	24.15	26.25	33.00
			18900	25RB#0	24.05	26.15	33.00
			19175	1RB#0	22.59	24.69	33.00
			19175	1RB#12	23.04	25.14	33.00
			19175	1RB#24	22.65	24.75	33.00
			19175	12RB#0	24.02	26.12	33.00
			19175	12RB#6	23.97	26.07	33.00
			19175	12RB#13	23.96	26.06	33.00
			19175	25RB#0	24.00	26.10	33.00
		16QAM	18625	1RB#0	23.20	25.30	33.00
			18625	1RB#12	23.36	25.46	33.00
			18625	1RB#24	22.31	24.41	33.00
			18625	12RB#13	23.75	25.85	33.00
			18625	12RB#0	23.78	25.88	33.00
			18625	12RB#6	22.75	24.85	33.00
			18625	25RB#0	23.83	25.93	33.00
			18900	1RB#0	23.31	25.41	33.00
			18900	1RB#12	23.14	25.24	33.00
			18900	1RB#24	22.88	24.98	33.00
			18900	12RB#0	23.13	25.23	33.00
			18900	12RB#13	23.39	25.49	33.00
			18900	12RB#6	23.36	25.46	33.00
			18900	25RB#0	23.26	25.36	33.00
			19175	1RB#0	22.52	24.62	33.00
			19175	1RB#24	22.68	24.78	33.00
			19175	1RB#12	23.75	25.85	33.00
			19175	12RB#0	22.82	24.92	33.00
			19175	12RB#6	22.85	24.95	33.00
			19175	12RB#13	22.76	24.86	33.00
			19175	25RB#0	23.05	25.15	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
2	10MHz	QPSK	18650	1RB#0	22.71	24.81	33.00
			18650	1RB#24	23.29	25.39	33.00
			18650	1RB#49	22.23	24.33	33.00
			18650	25RB#12	23.84	25.94	33.00
			18650	25RB#0	23.77	25.87	33.00
			18650	25RB#25	23.75	25.85	33.00
			18650	50RB#0	23.87	25.97	33.00
			18900	1RB#49	22.55	24.65	33.00
			18900	1RB#0	23.73	25.83	33.00
			18900	1RB#24	23.65	25.75	33.00
			18900	25RB#0	23.44	25.54	33.00
			18900	25RB#12	23.93	26.03	33.00
			18900	25RB#25	23.57	25.67	33.00
			18900	50RB#0	23.77	25.87	33.00
			19150	1RB#24	23.50	25.60	33.00
			19150	1RB#49	22.66	24.76	33.00
			19150	1RB#0	22.95	25.05	33.00
			19150	25RB#0	23.79	25.89	33.00
			19150	25RB#25	23.43	25.53	33.00
			19150	25RB#12	23.65	25.75	33.00
			19150	50RB#0	24.12	26.22	33.00
		16QAM	18650	1RB#24	23.70	25.80	33.00
			18650	1RB#49	23.93	26.03	33.00
			18650	1RB#0	23.39	25.49	33.00
			18650	25RB#0	23.45	25.55	33.00
			18650	25RB#12	22.92	25.02	33.00
			18650	25RB#25	22.93	25.03	33.00
			18650	50RB#0	22.78	24.88	33.00
			18900	1RB#49	22.62	24.72	33.00
			18900	1RB#0	23.65	25.75	33.00
			18900	1RB#24	23.05	25.15	33.00
			18900	25RB#25	23.92	26.02	33.00
			18900	25RB#12	23.43	25.53	33.00
			18900	25RB#0	23.45	25.55	33.00
			18900	50RB#0	23.35	25.45	33.00
			19150	1RB#24	23.33	25.43	33.00
			19150	1RB#49	23.51	25.61	33.00
			19150	1RB#0	24.11	26.21	33.00
			19150	25RB#25	22.29	24.39	33.00
			19150	25RB#12	22.80	24.90	33.00
			19150	25RB#0	22.88	24.98	33.00
			19150	50RB#0	24.56	26.66	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
2	15MHz	QPSK	18675	1RB#74	22.56	24.66	33.00
			18675	1RB#0	23.62	25.72	33.00
			18675	1RB#38	23.15	25.25	33.00
			18675	36RB#39	23.94	26.04	33.00
			18675	36RB#18	23.85	25.95	33.00
			18675	36RB#0	23.75	25.85	33.00
			18675	75RB#0	24.92	27.02	33.00
			18900	1RB#74	23.57	25.67	33.00
			18900	1RB#38	23.52	25.62	33.00
			18900	1RB#0	22.47	24.57	33.00
			18900	36RB#0	23.42	25.52	33.00
			18900	36RB#39	24.08	26.18	33.00
			18900	36RB#18	24.06	26.16	33.00
			18900	75RB#0	23.74	25.84	33.00
			19125	1RB#74	22.74	24.84	33.00
			19125	1RB#38	23.18	25.28	33.00
			19125	1RB#0	22.71	24.81	33.00
			19125	36RB#18	23.41	25.51	33.00
			19125	36RB#0	22.54	24.64	33.00
			19125	36RB#39	22.52	24.62	33.00
			19125	75RB#0	24.09	26.19	33.00
		16QAM	18675	1RB#0	23.82	25.92	33.00
			18675	1RB#74	23.64	25.74	33.00
			18675	1RB#38	24.14	26.24	33.00
			18675	36RB#0	22.88	24.98	33.00
			18675	36RB#39	23.06	25.16	33.00
			18675	36RB#18	23.05	25.15	33.00
			18675	75RB#0	23.12	25.22	33.00
			18900	1RB#38	23.53	25.63	33.00
			18900	1RB#74	23.61	25.71	33.00
			18900	1RB#0	22.60	24.70	33.00
			18900	36RB#18	23.36	25.46	33.00
			18900	36RB#0	23.07	25.17	33.00
			18900	36RB#39	23.20	25.30	33.00
			18900	75RB#0	23.26	25.36	33.00
			19125	1RB#74	23.33	25.43	33.00
			19125	1RB#0	23.94	26.04	33.00
			19125	1RB#38	23.75	25.85	33.00
			19125	36RB#0	23.01	25.11	33.00
			19125	36RB#39	22.97	25.07	33.00
			19125	36RB#18	22.99	25.09	33.00
			19125	75RB#0	23.18	25.28	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
2	20MHz	QPSK	18700	1RB#99	23.10	25.20	33.00
			18700	1RB#49	23.73	25.83	33.00
			18700	1RB#0	22.69	24.79	33.00
			18700	50RB#25	23.97	26.07	33.00
			18700	50RB#0	23.99	26.09	33.00
			18700	50RB#50	23.96	26.06	33.00
			18700	100RB#0	23.98	26.08	33.00
			18900	1RB#99	22.67	24.77	33.00
			18900	1RB#0	24.13	26.23	33.00
			18900	1RB#49	22.61	24.71	33.00
			18900	50RB#25	23.05	25.15	33.00
			18900	50RB#0	23.64	25.74	33.00
			18900	50RB#50	23.68	25.78	33.00
			18900	100RB#0	23.43	25.53	33.00
			19100	1RB#0	22.98	25.08	33.00
			19100	1RB#49	23.08	25.18	33.00
			19100	1RB#99	22.50	24.60	33.00
			19100	50RB#0	22.75	24.85	33.00
			19100	50RB#25	23.71	25.81	33.00
			19100	50RB#50	23.67	25.77	33.00
			19100	100RB#0	24.04	26.14	33.00
		16QAM	18700	1RB#0	24.19	26.29	33.00
			18700	1RB#49	23.90	26.00	33.00
			18700	1RB#99	23.47	25.57	33.00
			18700	50RB#50	22.83	24.93	33.00
			18700	50RB#0	22.97	25.07	33.00
			18700	50RB#25	22.94	25.04	33.00
			18700	100RB#0	23.14	25.24	33.00
			18900	1RB#0	22.87	24.97	33.00
			18900	1RB#49	23.59	25.69	33.00
			18900	1RB#99	22.82	24.92	33.00
			18900	50RB#0	23.37	25.47	33.00
			18900	50RB#50	23.49	25.59	33.00
			18900	50RB#25	23.41	25.51	33.00
			18900	100RB#0	23.23	25.33	33.00
			19100	1RB#0	23.44	25.54	33.00
			19100	1RB#99	23.64	25.74	33.00
			19100	1RB#49	23.27	25.37	33.00
			19100	50RB#0	23.29	25.39	33.00
			19100	50RB#25	23.29	25.39	33.00
			19100	50RB#50	23.18	25.28	33.00
			19100	100RB#0	23.15	25.25	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
25	1.4MHz	QPSK	26047	1RB#0	22.25	24.35	33.00
			26047	1RB#2	22.68	24.78	33.00
			26047	1RB#5	22.58	24.68	33.00
			26047	3RB#1	23.47	25.57	33.00
			26047	3RB#0	23.46	25.56	33.00
			26047	3RB#3	23.16	25.26	33.00
			26047	6RB#0	24.10	26.20	33.00
			26365	1RB#5	23.42	25.52	33.00
			26365	1RB#0	22.65	24.75	33.00
			26365	1RB#2	22.46	24.56	33.00
			26365	3RB#0	23.29	25.39	33.00
			26365	3RB#1	23.42	25.52	33.00
			26365	3RB#3	23.43	25.53	33.00
			26365	6RB#0	23.36	25.46	33.00
			26683	1RB#2	22.51	24.61	33.00
			26683	1RB#5	22.84	24.94	33.00
			26683	1RB#0	22.68	24.78	33.00
			26683	3RB#0	23.11	25.21	33.00
			26683	3RB#3	22.64	24.74	33.00
			26683	3RB#1	22.62	24.72	33.00
			26683	6RB#0	22.71	24.81	33.00
		16QAM	26047	1RB#2	22.54	24.64	33.00
			26047	1RB#5	22.98	25.08	33.00
			26047	1RB#0	22.60	24.70	33.00
			26047	3RB#0	23.46	25.56	33.00
			26047	3RB#1	23.46	25.56	33.00
			26047	3RB#3	23.45	25.55	33.00
			26047	6RB#0	23.68	25.78	33.00
			26365	1RB#5	22.40	24.50	33.00
			26365	1RB#0	22.57	24.67	33.00
			26365	1RB#2	22.41	24.51	33.00
			26365	3RB#3	23.41	25.51	33.00
			26365	3RB#1	23.50	25.60	33.00
			26365	3RB#0	23.45	25.55	33.00
			26365	6RB#0	23.41	25.51	33.00
			26683	1RB#2	22.30	24.40	33.00
			26683	1RB#5	21.77	23.87	33.00
			26683	1RB#0	21.52	23.62	33.00
			26683	3RB#3	22.08	24.18	33.00
			26683	3RB#1	21.79	23.89	33.00
			26683	3RB#0	21.77	23.87	33.00
			26683	6RB#0	21.77	23.87	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
25	3MHz	QPSK	26055	1RB#14	22.18	24.28	33.00
			26055	1RB#0	22.95	25.05	33.00
			26055	1RB#8	22.80	24.90	33.00
			26055	8RB#7	22.67	24.77	33.00
			26055	8RB#4	23.57	25.67	33.00
			26055	8RB#0	23.56	25.66	33.00
			26055	15RB#0	23.69	25.79	33.00
			26365	1RB#14	22.63	24.73	33.00
			26365	1RB#8	22.65	24.75	33.00
			26365	1RB#0	22.67	24.77	33.00
			26365	8RB#7	24.23	26.33	33.00
			26365	8RB#0	24.27	26.37	33.00
			26365	8RB#4	24.26	26.36	33.00
			26365	15RB#0	23.37	25.47	33.00
			26675	1RB#14	23.08	25.18	33.00
			26675	1RB#8	22.48	24.58	33.00
			26675	1RB#0	22.47	24.57	33.00
			26675	8RB#4	23.75	25.85	33.00
			26675	8RB#0	22.81	24.91	33.00
			26675	8RB#7	22.73	24.83	33.00
			26675	15RB#0	23.18	25.28	33.00
		16QAM	26055	1RB#8	23.37	25.47	33.00
			26055	1RB#14	23.36	25.46	33.00
			26055	1RB#0	23.22	25.32	33.00
			26055	8RB#0	23.44	25.54	33.00
			26055	8RB#7	23.73	25.83	33.00
			26055	8RB#4	23.81	25.91	33.00
			26055	15RB#0	23.72	25.82	33.00
			26365	1RB#8	22.89	24.99	33.00
			26365	1RB#14	22.72	24.82	33.00
			26365	1RB#0	22.76	24.86	33.00
			26365	8RB#4	23.37	25.47	33.00
			26365	8RB#0	23.14	25.24	33.00
			26365	8RB#7	23.40	25.50	33.00
			26365	15RB#0	23.37	25.47	33.00
			26675	1RB#14	23.60	25.70	33.00
			26675	1RB#0	23.65	25.75	33.00
			26675	1RB#8	22.80	24.90	33.00
			26675	8RB#0	22.02	24.12	33.00
			26675	8RB#7	23.06	25.16	33.00
			26675	8RB#4	22.15	24.25	33.00
			26675	15RB#0	22.12	24.22	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
25	5MHz	QPSK	26065	1RB#24	22.79	24.89	33.00
			26065	1RB#12	22.16	24.26	33.00
			26065	1RB#0	22.83	24.93	33.00
			26065	12RB#6	22.67	24.77	33.00
			26065	12RB#0	23.64	25.74	33.00
			26065	12RB#13	23.45	25.55	33.00
			26065	25RB#0	22.70	24.80	33.00
			26365	1RB#24	22.63	24.73	33.00
			26365	1RB#0	22.69	24.79	33.00
			26365	1RB#12	22.78	24.88	33.00
			26365	12RB#6	23.44	25.54	33.00
			26365	12RB#0	23.45	25.55	33.00
			26365	12RB#13	23.44	25.54	33.00
			26365	25RB#0	23.43	25.53	33.00
			26665	1RB#0	22.74	24.84	33.00
			26665	1RB#12	22.45	24.55	33.00
			26665	1RB#24	22.27	24.37	33.00
			26665	12RB#0	23.70	25.80	33.00
			26665	12RB#6	22.54	24.64	33.00
			26665	12RB#13	22.50	24.60	33.00
			26665	25RB#0	23.88	25.98	33.00
		16QAM	26065	1RB#0	22.77	24.87	33.00
			26065	1RB#12	22.52	24.62	33.00
			26065	1RB#24	22.53	24.63	33.00
			26065	12RB#13	23.58	25.68	33.00
			26065	12RB#0	23.54	25.64	33.00
			26065	12RB#6	23.58	25.68	33.00
			26065	25RB#0	23.76	25.86	33.00
			26365	1RB#0	22.89	24.99	33.00
			26365	1RB#12	23.72	25.82	33.00
			26365	1RB#24	23.76	25.86	33.00
			26365	12RB#0	23.84	25.94	33.00
			26365	12RB#13	23.92	26.02	33.00
			26365	12RB#6	23.83	25.93	33.00
			26365	25RB#0	24.06	26.16	33.00
			26665	1RB#0	22.96	25.06	33.00
			26665	1RB#24	22.72	24.82	33.00
			26665	1RB#12	22.12	24.22	33.00
			26665	12RB#0	23.73	25.83	33.00
			26665	12RB#6	22.73	24.83	33.00
			26665	12RB#13	22.67	24.77	33.00
			26665	25RB#0	23.70	25.80	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
25	10MHz	QPSK	26090	1RB#0	22.77	24.87	33.00
			26090	1RB#24	22.93	25.03	33.00
			26090	1RB#49	22.30	24.40	33.00
			26090	25RB#12	23.71	25.81	33.00
			26090	25RB#0	23.55	25.65	33.00
			26090	25RB#25	23.53	25.63	33.00
			26090	50RB#0	23.62	25.72	33.00
			26365	1RB#49	22.85	24.95	33.00
			26365	1RB#0	23.69	25.79	33.00
			26365	1RB#24	23.29	25.39	33.00
			26365	25RB#0	23.45	25.55	33.00
			26365	25RB#12	23.70	25.80	33.00
			26365	25RB#25	23.75	25.85	33.00
			26365	50RB#0	23.62	25.72	33.00
			26640	1RB#24	22.74	24.84	33.00
			26640	1RB#49	22.37	24.47	33.00
			26640	1RB#0	22.80	24.90	33.00
			26640	25RB#0	23.88	25.98	33.00
			26640	25RB#25	23.77	25.87	33.00
			26640	25RB#12	23.85	25.95	33.00
			26640	50RB#0	23.97	26.07	33.00
		16QAM	26090	1RB#24	23.25	25.35	33.00
			26090	1RB#49	23.33	25.43	33.00
			26090	1RB#0	23.61	25.71	33.00
			26090	25RB#0	23.54	25.64	33.00
			26090	25RB#12	23.40	25.50	33.00
			26090	25RB#25	23.54	25.64	33.00
			26090	50RB#0	23.43	25.53	33.00
			26365	1RB#49	22.94	25.04	33.00
			26365	1RB#0	23.86	25.96	33.00
			26365	1RB#24	23.46	25.56	33.00
			26365	25RB#25	23.44	25.54	33.00
			26365	25RB#12	23.60	25.70	33.00
			26365	25RB#0	23.61	25.71	33.00
			26365	50RB#0	23.53	25.63	33.00
			26640	1RB#24	22.70	24.80	33.00
			26640	1RB#49	22.72	24.82	33.00
			26640	1RB#0	22.81	24.91	33.00
			26640	25RB#25	23.87	25.97	33.00
			26640	25RB#12	22.54	24.64	33.00
			26640	25RB#0	22.54	24.64	33.00
			26640	50RB#0	23.86	25.96	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
25	15MHz	QPSK	26115	1RB#74	22.96	25.06	33.00
			26115	1RB#0	22.91	25.01	33.00
			26115	1RB#38	22.93	25.03	33.00
			26115	36RB#39	23.72	25.82	33.00
			26115	36RB#18	23.52	25.62	33.00
			26115	36RB#0	23.50	25.60	33.00
			26115	75RB#0	23.58	25.68	33.00
			26365	1RB#74	22.27	24.37	33.00
			26365	1RB#38	23.23	25.33	33.00
			26365	1RB#0	22.61	24.71	33.00
			26365	36RB#0	23.41	25.51	33.00
			26365	36RB#39	23.11	25.21	33.00
			26365	36RB#18	23.04	25.14	33.00
			26365	75RB#0	23.80	25.90	33.00
			26615	1RB#74	22.42	24.52	33.00
			26615	1RB#38	23.51	25.61	33.00
			26615	1RB#0	22.94	25.04	33.00
			26615	36RB#18	23.74	25.84	33.00
			26615	36RB#0	23.46	25.56	33.00
			26615	36RB#39	23.43	25.53	33.00
			26615	75RB#0	23.55	25.65	33.00
		16QAM	26115	1RB#0	23.03	25.13	33.00
			26115	1RB#74	23.55	25.65	33.00
			26115	1RB#38	23.62	25.72	33.00
			26115	36RB#0	23.59	25.69	33.00
			26115	36RB#39	23.74	25.84	33.00
			26115	36RB#18	23.72	25.82	33.00
			26115	75RB#0	23.71	25.81	33.00
			26365	1RB#38	23.03	25.13	33.00
			26365	1RB#74	24.16	26.26	33.00
			26365	1RB#0	23.26	25.36	33.00
			26365	36RB#18	23.64	25.74	33.00
			26365	36RB#0	22.96	25.06	33.00
			26365	36RB#39	23.35	25.45	33.00
			26365	75RB#0	23.21	25.31	33.00
			26615	1RB#74	22.65	24.75	33.00
			26615	1RB#0	24.05	26.15	33.00
			26615	1RB#38	22.84	24.94	33.00
			26615	36RB#0	24.15	26.25	33.00
			26615	36RB#39	23.49	25.59	33.00
			26615	36RB#18	23.28	25.38	33.00
			26615	75RB#0	23.77	25.87	33.00

Band	Bandwidth	Modulation	Channel No	RB Position & RB Allocation	Conducted Average Output Power (dBm)	EIRP (dBm)	limit (dBm)
25	20MHz	QPSK	26140	1RB#99	22.88	24.98	33.00
			26140	1RB#49	22.99	25.09	33.00
			26140	1RB#0	23.05	25.15	33.00
			26140	50RB#25	24.22	26.32	33.00
			26140	50RB#0	22.28	24.38	33.00
			26140	50RB#50	24.12	26.22	33.00
			26140	100RB#0	24.06	26.16	33.00
			26365	1RB#99	22.42	24.52	33.00
			26365	1RB#0	24.17	26.27	33.00
			26365	1RB#49	22.56	24.66	33.00
			26365	50RB#25	24.23	26.33	33.00
			26365	50RB#0	24.22	26.32	33.00
			26365	50RB#50	24.26	26.36	33.00
			26365	100RB#0	24.20	26.30	33.00
			26590	1RB#0	22.50	24.60	33.00
			26590	1RB#49	23.15	25.25	33.00
			26590	1RB#99	22.18	24.28	33.00
			26590	50RB#0	23.06	25.16	33.00
			26590	50RB#25	23.23	25.33	33.00
			26590	50RB#50	23.22	25.32	33.00
			26590	100RB#0	23.94	26.04	33.00
		16QAM	26140	1RB#0	22.79	24.89	33.00
			26140	1RB#49	22.18	24.28	33.00
			26140	1RB#99	22.85	24.95	33.00
			26140	50RB#50	23.00	25.10	33.00
			26140	50RB#0	23.68	25.78	33.00
			26140	50RB#25	23.74	25.84	33.00
			26140	100RB#0	23.66	25.76	33.00
			26365	1RB#0	23.64	25.74	33.00
			26365	1RB#49	23.52	25.62	33.00
			26365	1RB#99	23.51	25.61	33.00
			26365	50RB#0	23.43	25.53	33.00
			26365	50RB#50	23.41	25.51	33.00
			26365	50RB#25	23.42	25.52	33.00
			26365	100RB#0	24.24	26.34	33.00
			26590	1RB#0	23.42	25.52	33.00
			26590	1RB#99	23.73	25.83	33.00
			26590	1RB#49	21.96	24.06	33.00
			26590	50RB#0	24.08	26.18	33.00
			26590	50RB#25	23.68	25.78	33.00
			26590	50RB#50	23.96	26.06	33.00
			26590	100RB#0	24.09	26.19	33.00

Test Results for WCDMA:

WCDMA	Channel No.	Average Output Power (dBm)	e.i.r.p (dBm)	Limit (dBm)
Band 2	9262	22.86	24.96	33.00
	9400	22.82	24.92	33.00
	9538	22.93	25.03	33.00

Test Results for GSM 1900MHz:

Band	Channel No	Average Output Power (dBm)	e.i.r.p (dBm)	Limit (dBm)
GSM1900	512	29.03	31.33	33.00
	661	29.17	31.47	33.00
	810	29.30	31.60	33.00
EGPRS1900	512	29.16	31.46	33.00
	661	28.96	31.26	33.00
	810	29.05	31.35	33.00

7.3 Field Strength of Spurious Radiation

Result ***Pass***

Specification	FCC Part §2.1053 & §24.238(a) RSS-133, §6.5
Test Method / Procedure	As per subclause 5.5 of ANSI C63.26-2015 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+10log(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

Note:

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*log(P) = 43 + 10*log(P) = -13

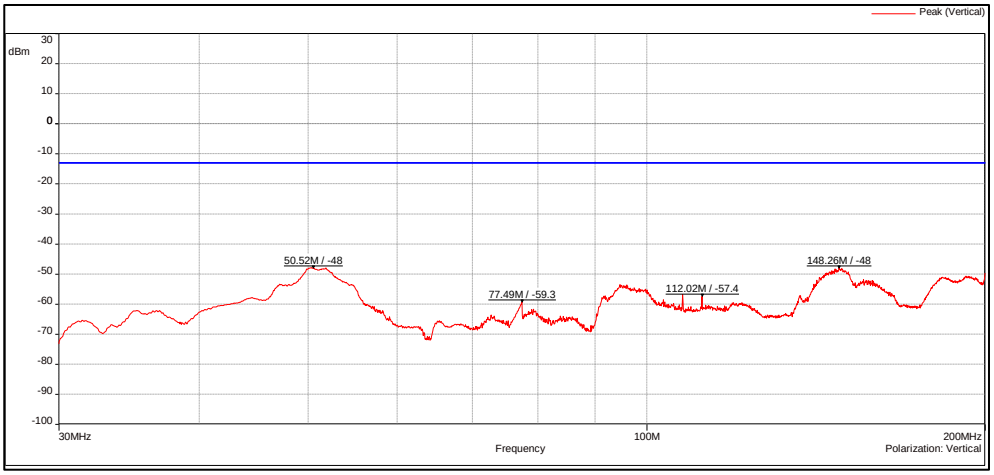
P is average power in W

Test results:

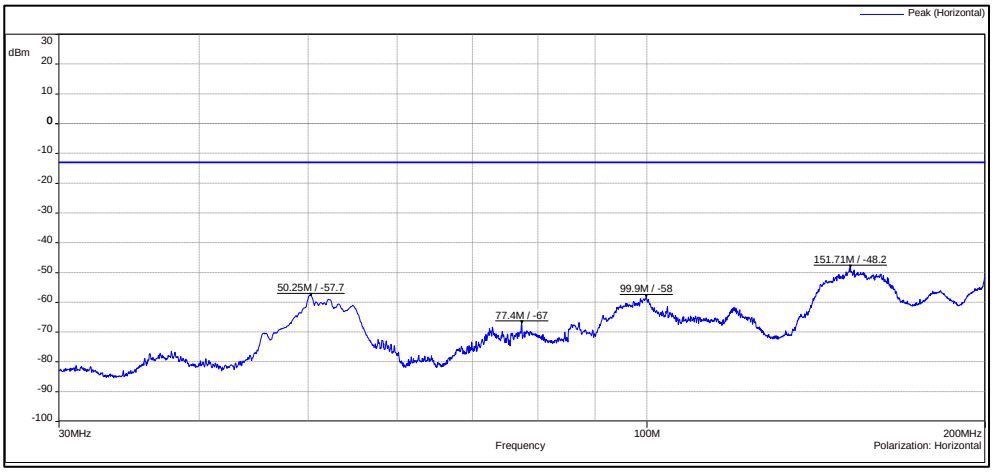
Test results for frequency range 30MHz – 200MHz

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**

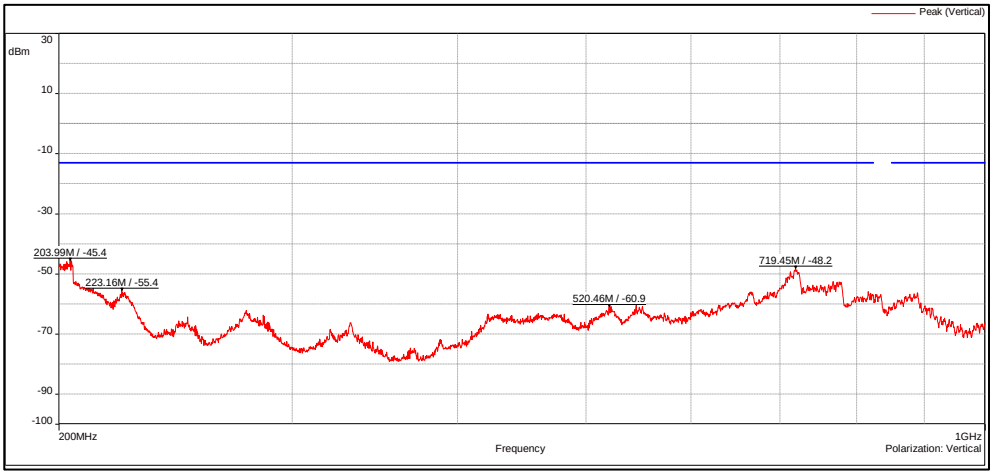


Frequency Range: 30MHz-200MHz **Polarization: Horizontal**

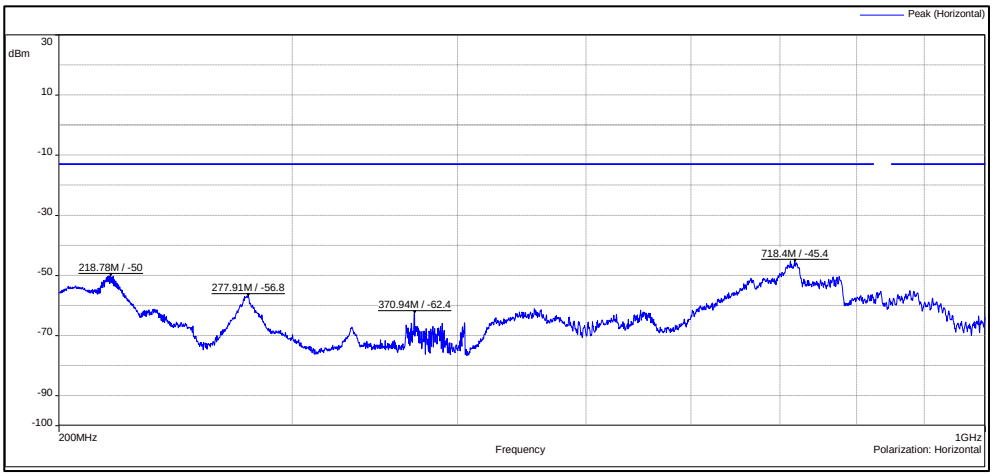
Test results for frequency range 200MHz – 1GHz

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 for Frequency range of 200MHz to 1GHz:



Frequency Range: 200MHz-1GHz **Polarization: Vertical**



Frequency Range: 200MHz-1GHz **Polarization: Horizontal**

Above 1GHz Test results:

LTE Band2:

Band	Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2	QPSK	1.4	3	1	1850.70	3701.40	Vertical	-53.12	-13.00	-40.12
						5552.10		-49.20	-13.00	-36.20
						7402.80		-50.23	-13.00	-37.23
						3701.40	Horizontal	-53.20	-13.00	-40.20
						5552.10		-49.30	-13.00	-36.30
						7402.80		-51.20	-13.00	-38.20
			6	0	1880.00	3760.00	Vertical	-52.85	-13.00	-39.85
						5640.00		-50.09	-13.00	-37.09
						7520.00		-51.17	-13.00	-38.17
						3760.00	Horizontal	-53.71	-13.00	-40.71
						5640.00		-50.17	-13.00	-37.17
						7520.00		-51.18	-13.00	-38.18
			6	0	1909.20	3818.40	Vertical	-52.39	-13.00	-39.39
						5727.60		-49.34	-13.00	-36.34
						7636.80		-51.33	-13.00	-38.33
						3818.40	Horizontal	-53.22	-13.00	-40.22
						5727.60		-49.43	-13.00	-36.43
						7636.80		-51.12	-13.00	-38.12
		3	8	0	1851.50	3703.00	Vertical	-54.18	-13.00	-41.18
						5554.50		-50.23	-13.00	-37.23
						7406.00		-50.42	-13.00	-37.42
						3703.00	Horizontal	-53.88	-13.00	-40.88
						5554.50		-50.41	-13.00	-37.41
						7406.00		-50.73	-13.00	-37.73
			8	0	1880.00	3760.00	Vertical	-53.60	-13.00	-40.60
						5640.00		-50.25	-13.00	-37.25
						7520.00		-50.83	-13.00	-37.83
						3760.00	Horizontal	-52.23	-13.00	-39.23
						5640.00		-50.30	-13.00	-37.30
						7520.00		-50.71	-13.00	-37.71
			8	0	1908.40	3816.80	Vertical	-52.27	-13.00	-39.27
						5725.20		-49.54	-13.00	-36.54
						7633.60		-51.10	-13.00	-38.10
						3816.80	Horizontal	-52.96	-13.00	-39.96
						5725.20		-49.39	-13.00	-36.39
						7633.60		-50.73	-13.00	-37.73

Band	Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2	QPSK	5	12	13	1852.50	3705.00	Vertical	-53.41	-13.00	-40.41
						5557.50		-50.30	-13.00	-37.30
						7410.00		-50.97	-13.00	-37.97
						3705.00	Horizontal	-53.98	-13.00	-40.98
						5557.50		-49.76	-13.00	-36.76
						7410.00		-50.66	-13.00	-37.66
			12	13	1880.00	3760.00	Vertical	-53.54	-13.00	-40.54
						5640.00		-49.53	-13.00	-36.53
						7520.00		-50.30	-13.00	-37.30
						3760.00	Horizontal	-53.47	-13.00	-40.47
						5640.00		-49.13	-13.00	-36.13
						7520.00		-49.88	-13.00	-36.88
			12	0	1907.40	3814.80	Vertical	-53.12	-13.00	-40.12
						5722.20		-49.57	-13.00	-36.57
						7629.60		-51.28	-13.00	-38.28
						3814.80	Horizontal	-53.04	-13.00	-40.04
						5722.20		-49.24	-13.00	-36.24
						7629.60		-50.71	-13.00	-37.71
		10	50	0	1855.00	3710.00	Vertical	-53.72	-13.00	-40.72
						5565.00		-49.55	-13.00	-36.55
						7420.00		-49.92	-13.00	-36.92
						3710.00	Horizontal	-53.38	-13.00	-40.38
						5565.00		-49.46	-13.00	-36.46
						7420.00		-49.22	-13.00	-36.22
			25	12	1880.00	3760.00	Vertical	-53.30	-13.00	-40.30
						5640.00		-50.46	-13.00	-37.46
						7520.00		-50.74	-13.00	-37.74
						3760.00	Horizontal	-53.80	-13.00	-40.80
						5640.00		-49.11	-13.00	-36.11
						7520.00		-50.72	-13.00	-37.72
			50	0	1904.90	3809.80	Vertical	-53.10	-13.00	-40.10
						5714.70		-49.86	-13.00	-36.86
						7619.60		-50.33	-13.00	-37.33
						3809.80	Horizontal	-53.07	-13.00	-40.07
						5714.70		-50.30	-13.00	-37.30
						7619.60		-50.53	-13.00	-37.53

Band	Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2	QPSK	15	75	0	1857.50	3715.00	Vertical	-53.30	-13.00	-40.30
						5572.50		-49.72	-13.00	-36.72
						7430.00		-50.42	-13.00	-37.42
						3715.00	Horizontal	-53.14	-13.00	-40.14
						5572.50		-49.57	-13.00	-36.57
						7430.00		-50.40	-13.00	-37.40
			36	39	1880.00	3760.00	Vertical	-53.48	-13.00	-40.48
						5640.00		-49.49	-13.00	-36.49
						7520.00		-50.10	-13.00	-37.10
						3760.00	Horizontal	-53.59	-13.00	-40.59
						5640.00		-49.34	-13.00	-36.34
						7520.00		-50.95	-13.00	-37.95
			75	0	1902.40	3804.80	Vertical	-52.96	-13.00	-39.96
						5707.20		-50.52	-13.00	-37.52
						7609.60		-50.92	-13.00	-37.92
						3804.80	Horizontal	-52.05	-13.00	-39.05
						5707.20		-50.11	-13.00	-37.11
						7609.60		-50.41	-13.00	-37.41
		20	50	0	1860.00	3720.00	Vertical	-52.85	-13.00	-39.85
						5580.00		-49.47	-13.00	-36.47
						7440.00		-50.50	-13.00	-37.50
						3720.00	Horizontal	-52.92	-13.00	-39.92
						5580.00		-49.75	-13.00	-36.75
						7440.00		-50.67	-13.00	-37.67
			1	0	1880.00	3760.00	Vertical	-53.11	-13.00	-40.11
						5640.00		-50.05	-13.00	-37.05
						7520.00		-50.97	-13.00	-37.97
						3760.00	Horizontal	-54.05	-13.00	-41.05
						5640.00		-49.09	-13.00	-36.09
						7520.00		-51.16	-13.00	-38.16
			100	0	1900.00	3800.00	Vertical	-52.51	-13.00	-39.51
						5700.00		-49.95	-13.00	-36.95
						7600.00		-50.77	-13.00	-37.77
						3800.00	Horizontal	-52.45	-13.00	-39.45
						5700.00		-50.65	-13.00	-37.65
						7600.00		-50.01	-13.00	-37.01

Band	Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
25	QPSK	1.4	6	0	1850.70	3701.40	Vertical	-53.86	-13.00	-40.86
						5552.10		-50.67	-13.00	-37.67
						7402.80		-50.87	-13.00	-37.87
						3701.40	Horizontal	-52.81	-13.00	-39.81
						5552.10		-50.72	-13.00	-37.72
						7402.80		-51.35	-13.00	-38.35
			3	3	1882.50	3765.00	Vertical	-53.49	-13.00	-40.49
						5647.50		-50.17	-13.00	-37.17
						7530.00		-50.97	-13.00	-37.97
						3765.00	Horizontal	-54.13	-13.00	-41.13
						5647.50		-50.63	-13.00	-37.63
						7530.00		-51.08	-13.00	-38.08
			3	0	1914.30	3828.60	Vertical	-52.01	-13.00	-39.01
						5742.90		-49.85	-13.00	-36.85
						7657.20		-51.49	-13.00	-38.49
						3828.60	Horizontal	-51.58	-13.00	-38.58
						5742.90		-50.04	-13.00	-37.04
						7657.20		-50.95	-13.00	-37.95
		3	8	7	1851.50	3703.00	Vertical	-53.36	-13.00	-40.36
						5554.50		-50.88	-13.00	-37.88
						7406.00		-50.98	-13.00	-37.98
						3703.00	Horizontal	-54.33	-13.00	-41.33
						5554.50		-51.18	-13.00	-38.18
						7406.00		-50.66	-13.00	-37.66
			8	0	1882.50	3765.00	Vertical	-53.27	-13.00	-40.27
						5647.50		-50.34	-13.00	-37.34
						7530.00		-50.78	-13.00	-37.78
						3765.00	Horizontal	-53.72	-13.00	-40.72
						5647.50		-50.83	-13.00	-37.83
						7530.00		-50.47	-13.00	-37.47
			8	4	1913.50	3827.00	Vertical	-51.73	-13.00	-38.73
						5740.50		-49.87	-13.00	-36.87
						7654.00		-51.23	-13.00	-38.23
						3827.00	Horizontal	-52.38	-13.00	-39.38
						5740.50		-49.89	-13.00	-36.89
						7654.00		-51.77	-13.00	-38.77

Band	Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
25	QPSK	5	25	0	1852.50	3705.00	Vertical	-53.49	-13.00	-40.49
						5557.50		-49.96	-13.00	-36.96
						7410.00		-50.59	-13.00	-37.59
						3705.00	Horizontal	-53.35	-13.00	-40.35
						5557.50		-50.52	-13.00	-37.52
						7410.00		-51.50	-13.00	-38.50
			25	0	1882.50	3765.00	Vertical	-53.82	-13.00	-40.82
						5647.50		-50.84	-13.00	-37.84
						7530.00		-50.31	-13.00	-37.31
						3765.00	Horizontal	-52.52	-13.00	-39.52
						5647.50		-49.67	-13.00	-36.67
						7530.00		-50.78	-13.00	-37.78
			12	0	1912.50	3825.00	Vertical	-52.80	-13.00	-39.80
						5737.50		-49.68	-13.00	-36.68
						7650.00		-51.17	-13.00	-38.17
						3825.00	Horizontal	-52.32	-13.00	-39.32
						5737.50		-49.07	-13.00	-36.07
						7650.00		-50.78	-13.00	-37.78
		10	25	12	1855.00	3710.00	Vertical	-52.73	-13.00	-39.73
						5565.00		-49.78	-13.00	-36.78
						7420.00		-50.53	-13.00	-37.53
						3710.00	Horizontal	-53.39	-13.00	-40.39
						5565.00		-48.75	-13.00	-35.75
						7420.00		-50.45	-13.00	-37.45
			25	25	1882.50	3765.00	Vertical	-52.91	-13.00	-39.91
						5647.50		-50.00	-13.00	-37.00
						7530.00		-50.49	-13.00	-37.49
						3765.00	Horizontal	-53.06	-13.00	-40.06
						5647.50		-50.34	-13.00	-37.34
						7530.00		-50.71	-13.00	-37.71
			50	0	1910.00	3820.00	Vertical	-52.69	-13.00	-39.69
						5730.00		-49.74	-13.00	-36.74
						7640.00		-50.82	-13.00	-37.82
						3820.00	Horizontal	-53.31	-13.00	-40.31
						5730.00		-50.07	-13.00	-37.07
						7640.00		-51.85	-13.00	-38.85

Band	Modulation	Cell BW	No. of RB	RB Pos	Channel Frequency (MHz)	Measured Frequency (MHz	Antenna Polarization	Emission Level (dBm)	Limit (dBm)	Margin (dB)
25	QPSK	15	36	39	1857.50	3715.00	Vertical	-52.94	-13.00	-39.94
						5572.50		-50.16	-13.00	-37.16
						7430.00		-50.65	-13.00	-37.65
						3715.00	Horizontal	-53.95	-13.00	-40.95
						5572.50		-50.24	-13.00	-37.24
						7430.00		-51.10	-13.00	-38.10
			1	74	1882.50	3765.00	Vertical	-53.72	-13.00	-40.72
						5647.50		-49.55	-13.00	-36.55
						7530.00		-50.88	-13.00	-37.88
						3765.00	Horizontal	-52.85	-13.00	-39.85
						5647.50		-49.92	-13.00	-36.92
						7530.00		-50.82	-13.00	-37.82
			36	0	1907.50	3815.00	Vertical	-53.50	-13.00	-40.50
						5722.50		-49.83	-13.00	-36.83
						7630.00		-51.16	-13.00	-38.16
						3815.00	Horizontal	-53.52	-13.00	-40.52
						5722.50		-49.57	-13.00	-36.57
						7630.00		-51.10	-13.00	-38.10
		20	50	25	1860.00	3720.00	Vertical	-53.15	-13.00	-40.15
						5580.00		-50.70	-13.00	-37.70
						7440.00		-50.62	-13.00	-37.62
						3720.00	Horizontal	-53.73	-13.00	-40.73
						5580.00		-50.14	-13.00	-37.14
						7440.00		-50.06	-13.00	-37.06
			50	50	1882.50	3765.00	Vertical	-53.24	-13.00	-40.24
						5647.50		-50.54	-13.00	-37.54
						7530.00		-50.92	-13.00	-37.92
						3765.00	Horizontal	-53.48	-13.00	-40.48
						5647.50		-49.65	-13.00	-36.65
						7530.00		-50.22	-13.00	-37.22
			100	0	1905.00	3810.00	Vertical	-52.85	-13.00	-39.85
						5715.00		-50.30	-13.00	-37.30
						7620.00		-50.88	-13.00	-37.88
						3810.00	Horizontal	-53.25	-13.00	-40.25
						5715.00		-50.54	-13.00	-37.54
						7620.00		-50.96	-13.00	-37.96

Test Results for WCDMA:

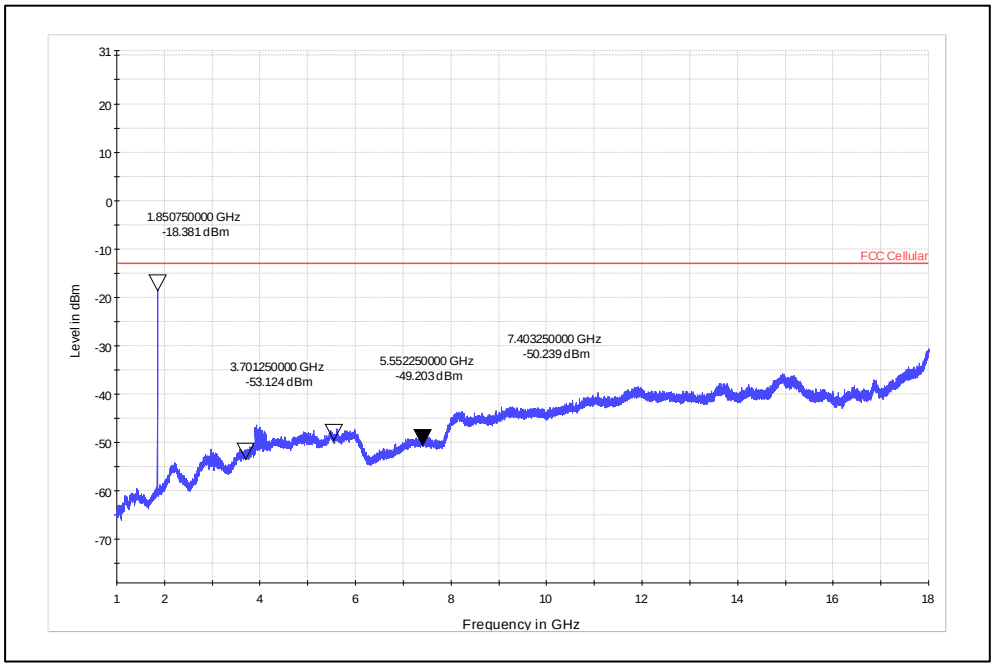
Band	Antenna Polarization	Channel Frequency (MHz)	Measured Frequency (MHz)	Measured Emission (dBm)	Limit (dBm)	Margin (dB)
2	Vertical	1852.40	3704.80	-53.66	-13.00	-40.66
			5557.20	-51.32	-13.00	-38.32
			7409.60	-51.01	-13.00	-38.01
	Horizontal	1852.40	3704.80	-53.57	-13.00	-40.57
			5557.20	-51.11	-13.00	-38.11
			7409.60	-51.31	-13.00	-38.31
	Vertical	1880.00	3760.00	-53.56	-13.00	-40.56
			5640.00	-50.36	-13.00	-37.36
			7520.00	-50.83	-13.00	-37.83
	Horizontal	1880.00	3760.00	-53.75	-13.00	-40.75
			5640.00	-49.97	-13.00	-36.97
			7520.00	-50.53	-13.00	-37.53
	Vertical	1907.60	3815.20	-53.39	-13.00	-40.39
			5722.80	-50.48	-13.00	-37.48
			7630.40	-50.75	-13.00	-37.75
	Horizontal	1907.60	3815.20	-53.56	-13.00	-40.56
			5722.80	-50.54	-13.00	-37.54
			7630.40	-50.89	-13.00	-37.89

Test Results for GSM 1900MHz:

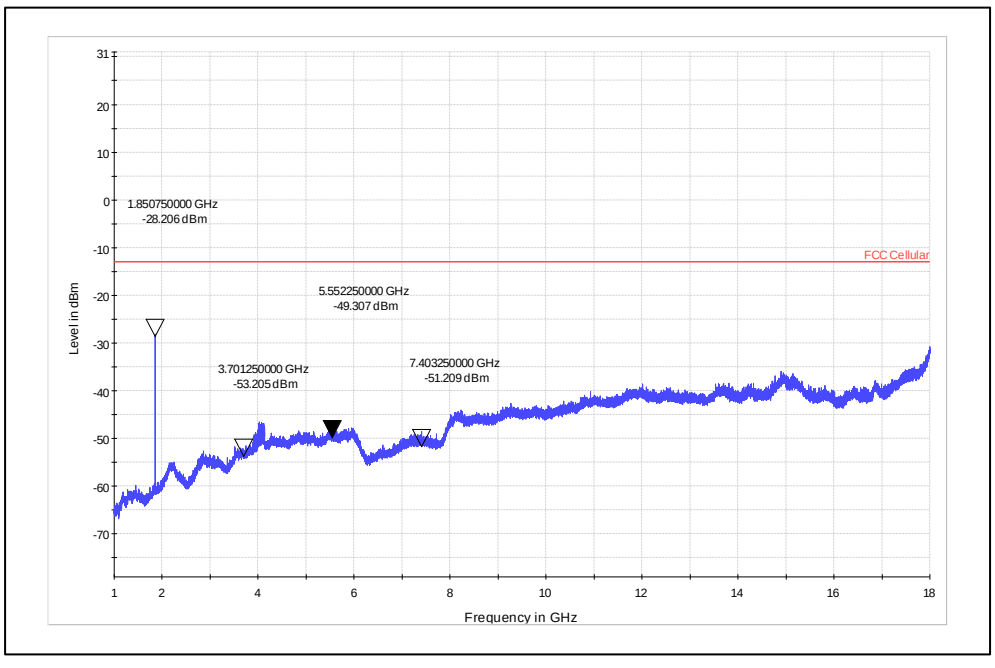
Mode	Antenna Polarization	Channel Frequency (MHz)	Measured Frequency (MHz)	Measured emission (dBm)	Limit (dBm)	Margin (dB)
E-GPRS 1900MHz	Vertical	1850.20	3700.40	-48.69	-13.00	-35.69
			5550.60	-42.67	-13.00	-29.67
	Horizontal		3700.40	-48.86	-13.00	-35.86
			5550.60	-47.60	-13.00	-34.60
	Vertical	1880.00	3760.00	-44.68	-13.00	-31.68
			5640.00	-41.98	-13.00	-28.98
	Horizontal		3760.00	-50.09	-13.00	-37.09
			5640.00	-49.61	-13.00	-36.61
	Vertical	1909.80	3819.60	-44.79	-13.00	-31.79
			5729.40	-44.54	-13.00	-31.54
	Horizontal		3819.60	-44.92	-13.00	-31.92
			5729.40	-48.88	-13.00	-35.88
GPRS 1900MHz	Vertical	1850.20	3700.40	-48.11	-13.00	-35.11
			5550.60	-42.93	-13.00	-29.93
	Horizontal		3700.40	-48.43	-13.00	-35.43
			5550.60	-46.91	-13.00	-33.91
	Vertical	1880.00	3760.00	-53.76	-13.00	-40.76
			5640.00	-49.71	-13.00	-36.71
	Horizontal		3760.00	-53.33	-13.00	-40.33
			5640.00	-49.93	-13.00	-36.93
	Vertical	1909.80	3819.60	-47.97	-13.00	-34.97
			5729.40	-44.51	-13.00	-31.51
	Horizontal		3819.60	-43.95	-13.00	-30.95
			5729.40	-46.94	-13.00	-33.94

LTE Test Plots:

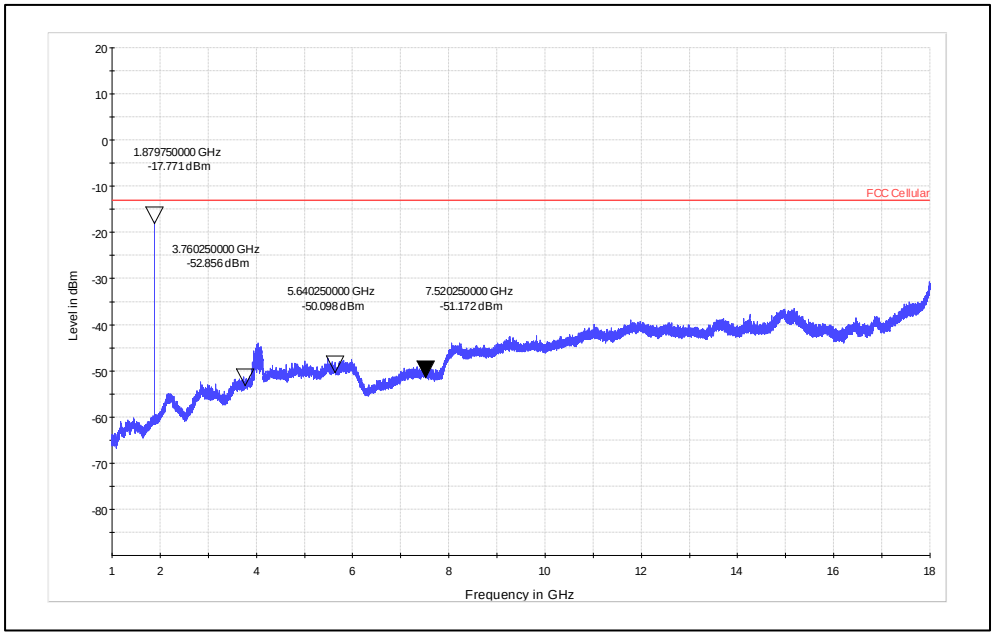
Band 2_Channel 1850.7MHz-QPSK-CB-1.4MHz-Vertical Polarization



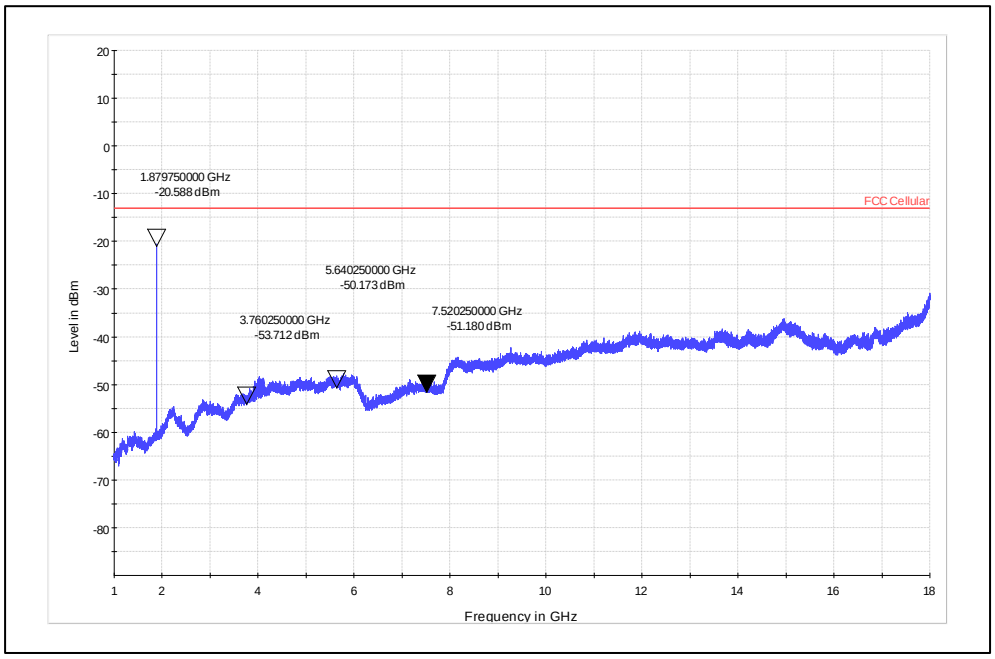
Band 2_Channel 1850.7MHz-QPSK-CB-1.4MHz-Horizontal Polarization



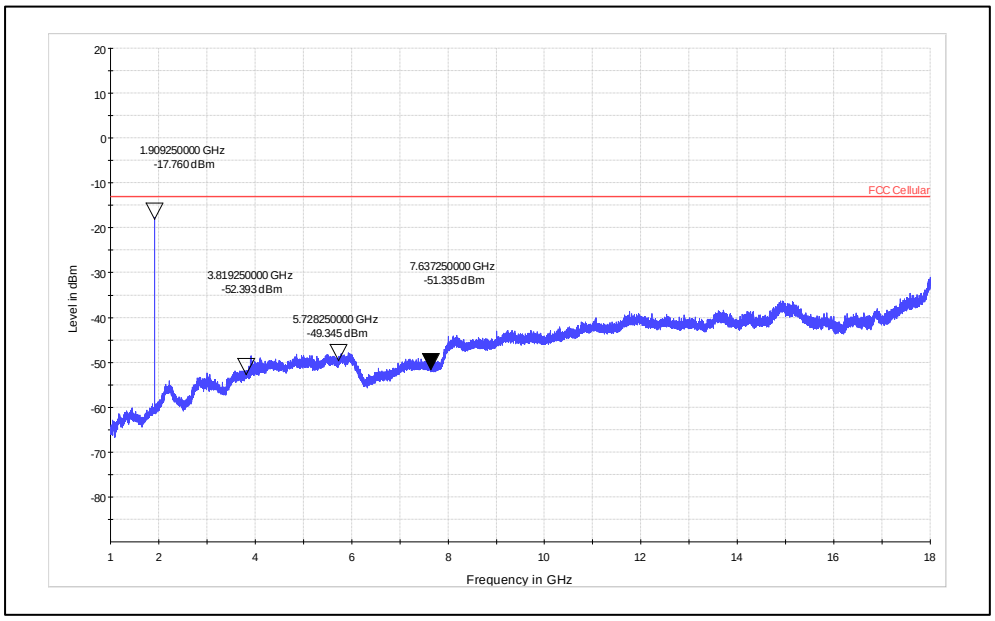
Band 2_Channel 1880MHz-QPSK-CB-1.4MHz-Vertical Polarization



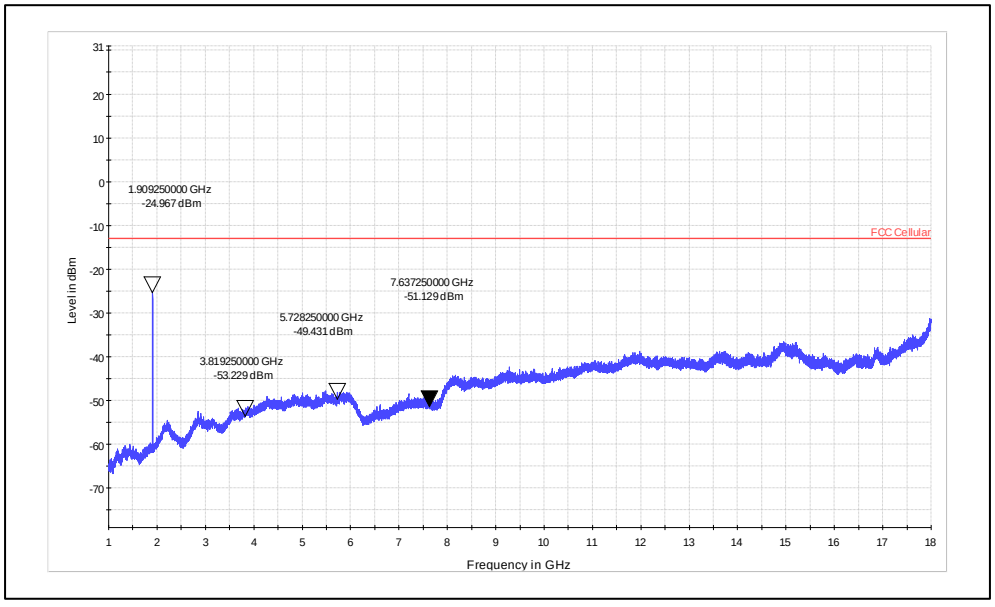
Band 2_Channel 1880MHz-QPSK-CB-1.4MHz-Horizontal Polarization



Band 2_Channel 1909.3MHz-QPSK-CB-1.4MHz-Vertical Polarization

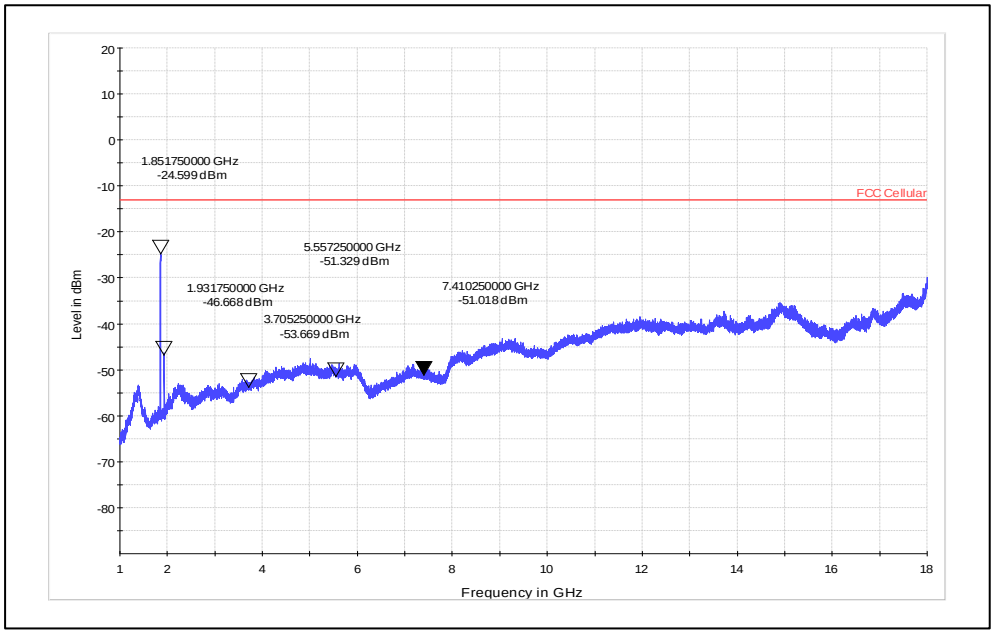


Band 2_Channel 1909.3MHz-QPSK-CB-1.4MHz-Horizontal Polarization

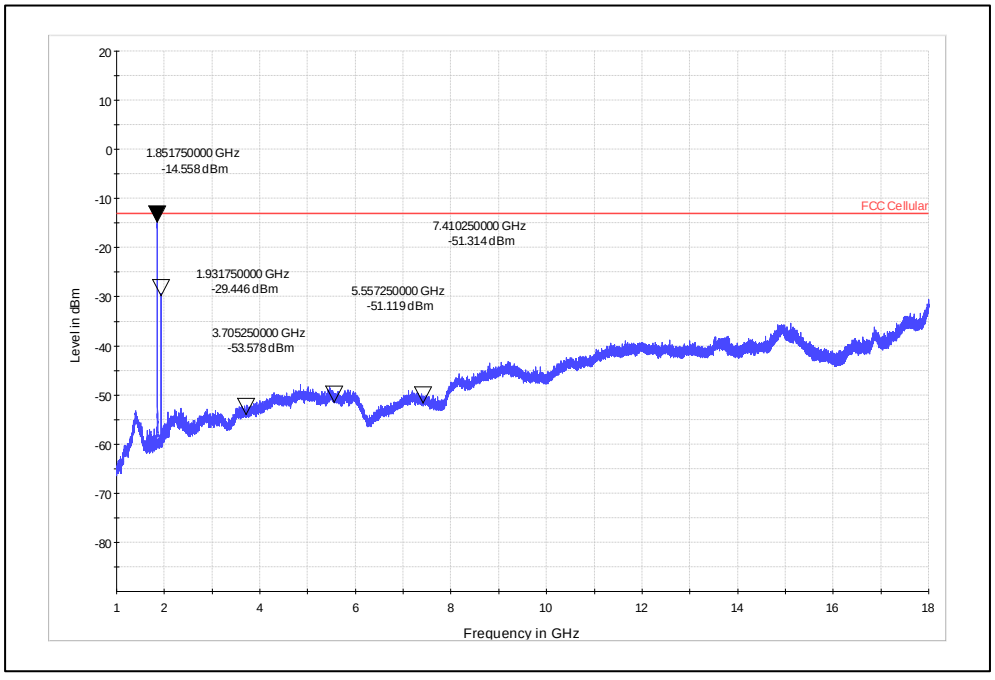


WCDMA Test Plots

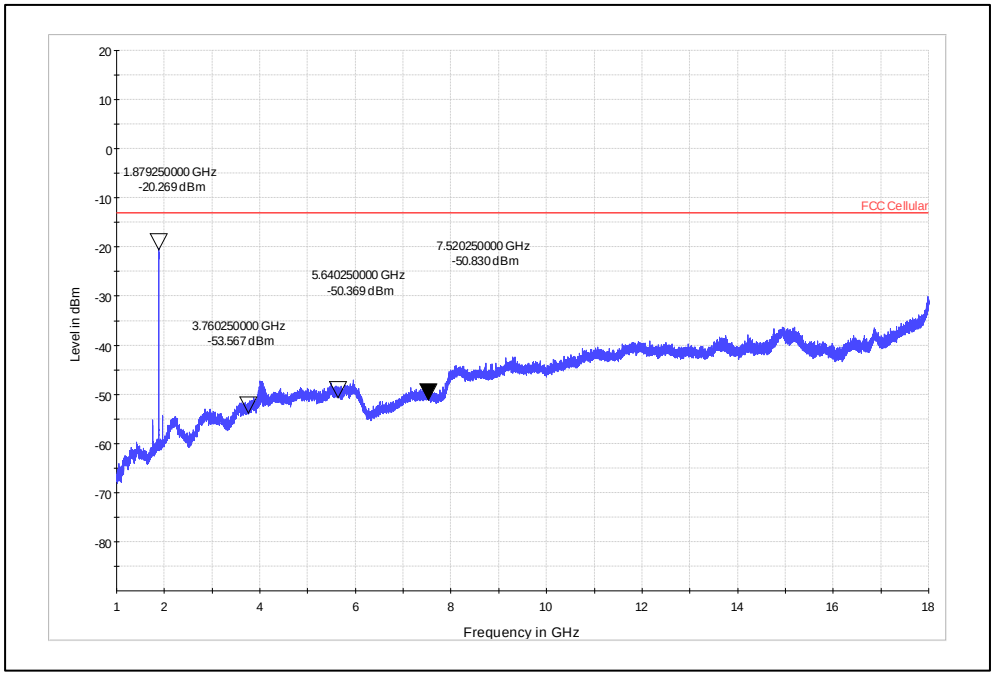
Band 2_Channel 1852.4MHz-Vertical Polarization



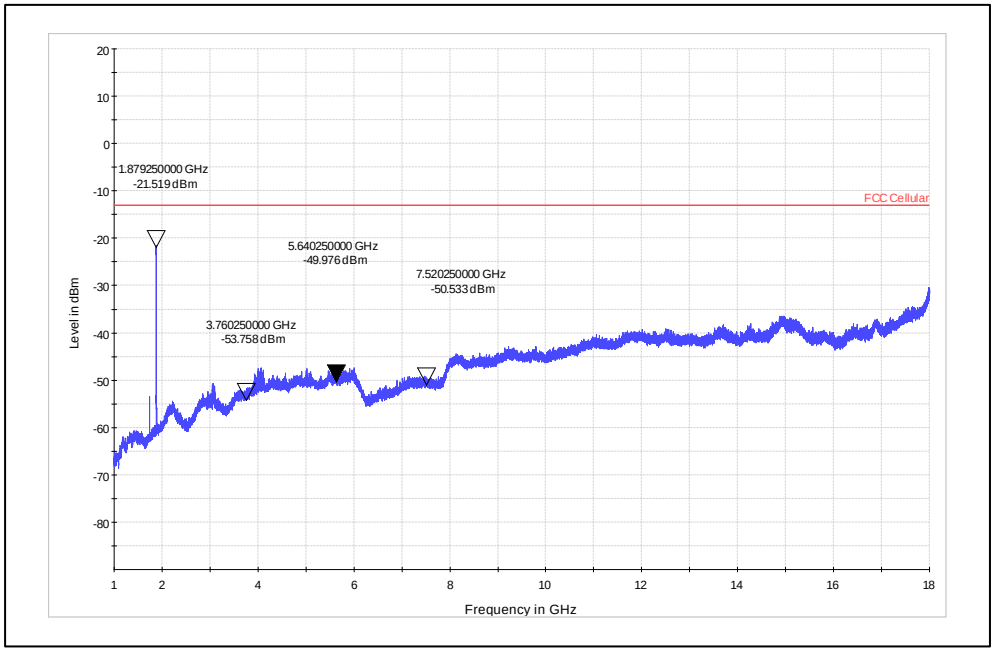
Band 2_Channel 1852.4MHz-Horizontal Polarization



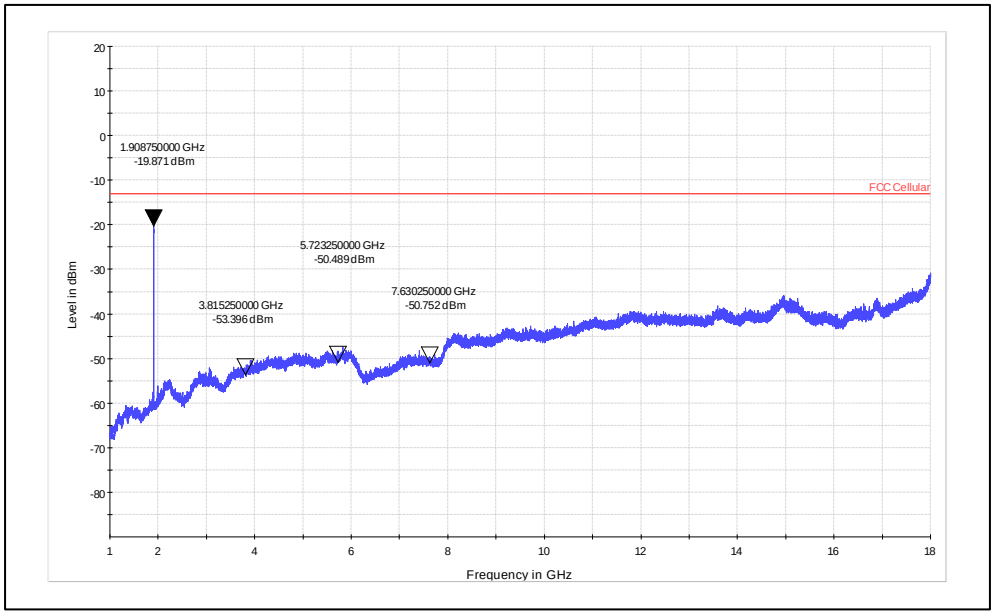
Band 2_Channel 1880MHz-Vertical Polarization



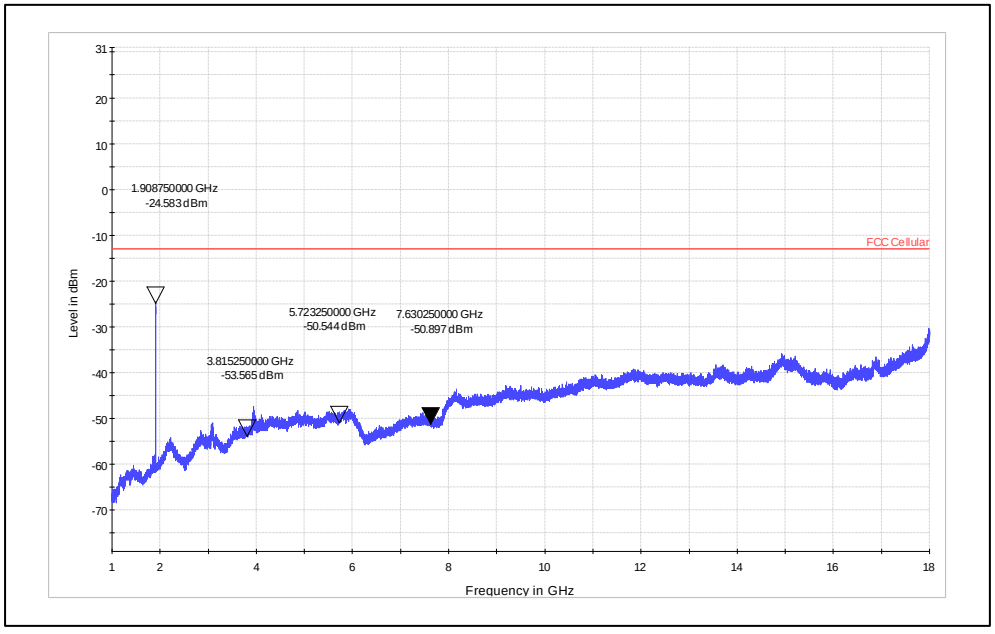
Band 2_Channel 1880MHz-Horizontal Polarization



Band 2_Channel 1907.6MHz-Vertical Polarization

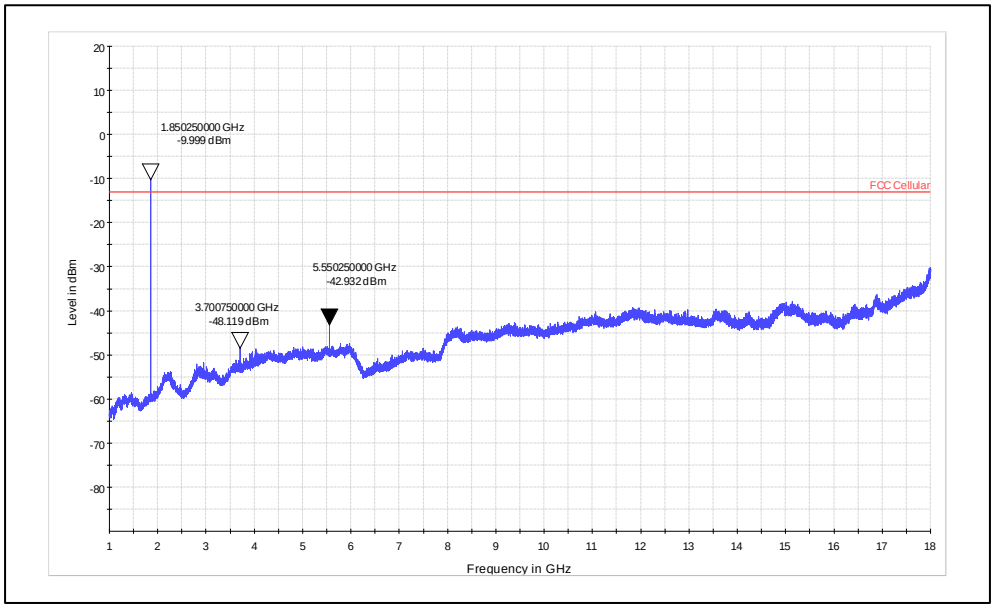


Band 2_Channel 1907.6MHz-Horizontal Polarization

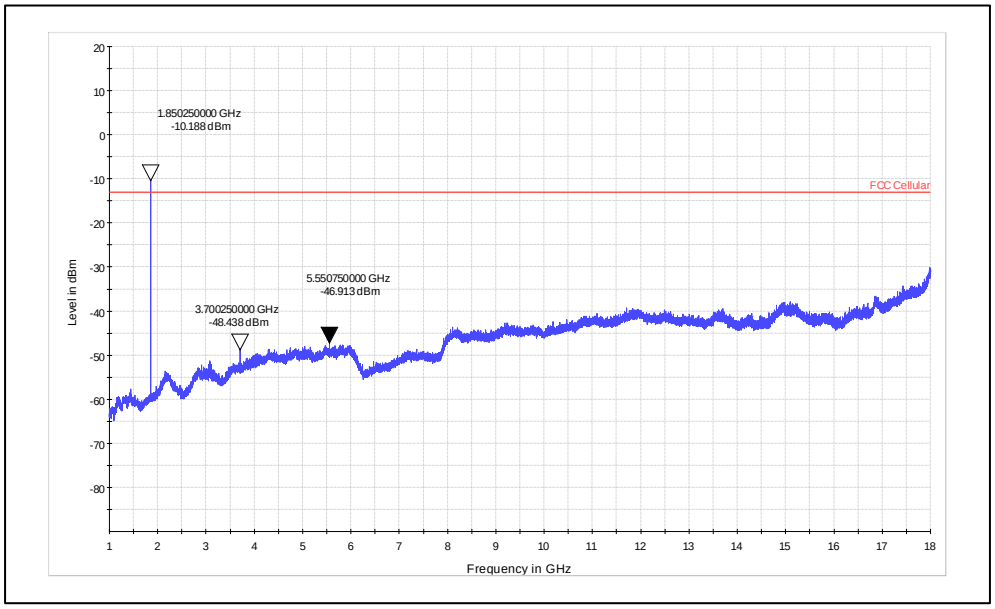


GSM 1900MHz Test Plots:

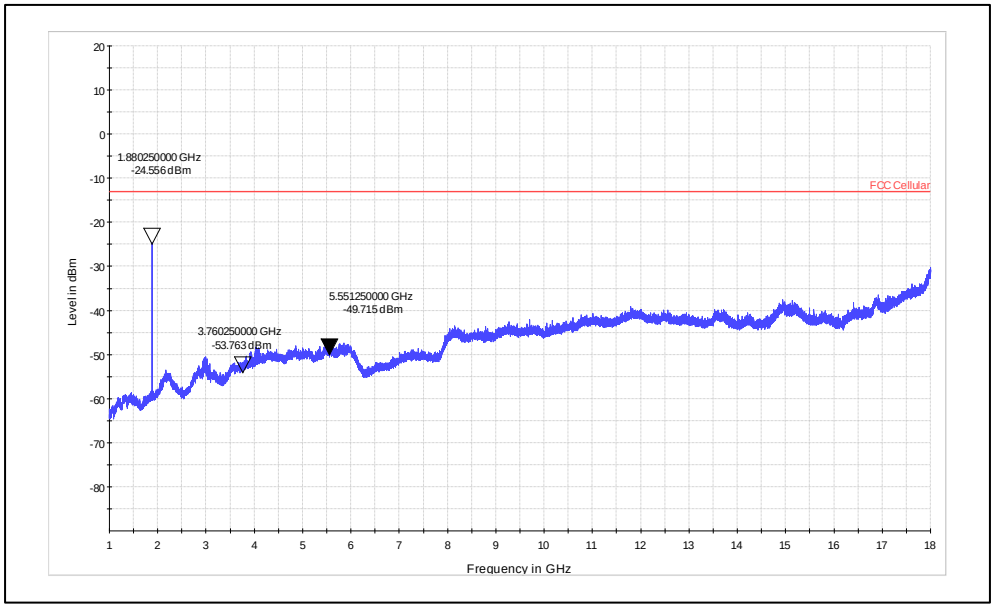
GPRS_GSM1900MHz-Ch-1850.2MHz_1GHz to 18GHz-Vertical



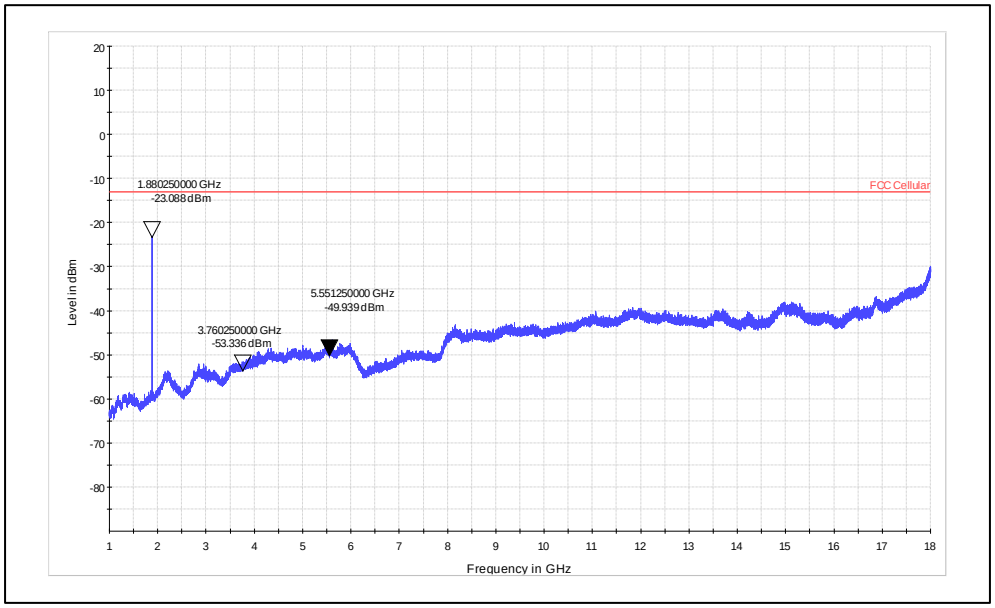
GPRS_GSM1900MHz-Ch-1850.2MHz_1GHz to 18GHz-Horizontal



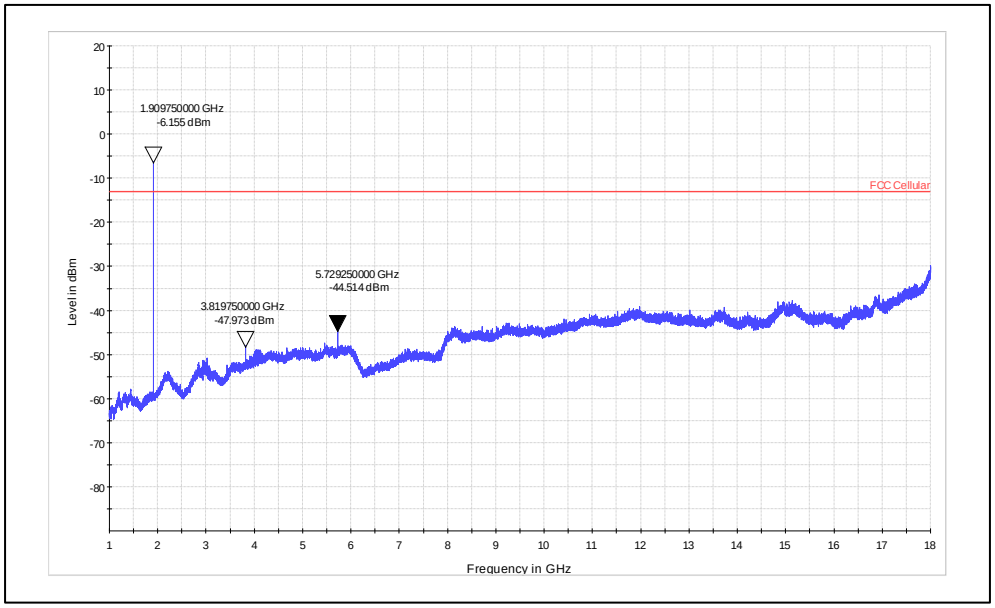
GPRS_GSM1900MHz-Ch-1880MHz_1GHz to 18GHz-Vertical



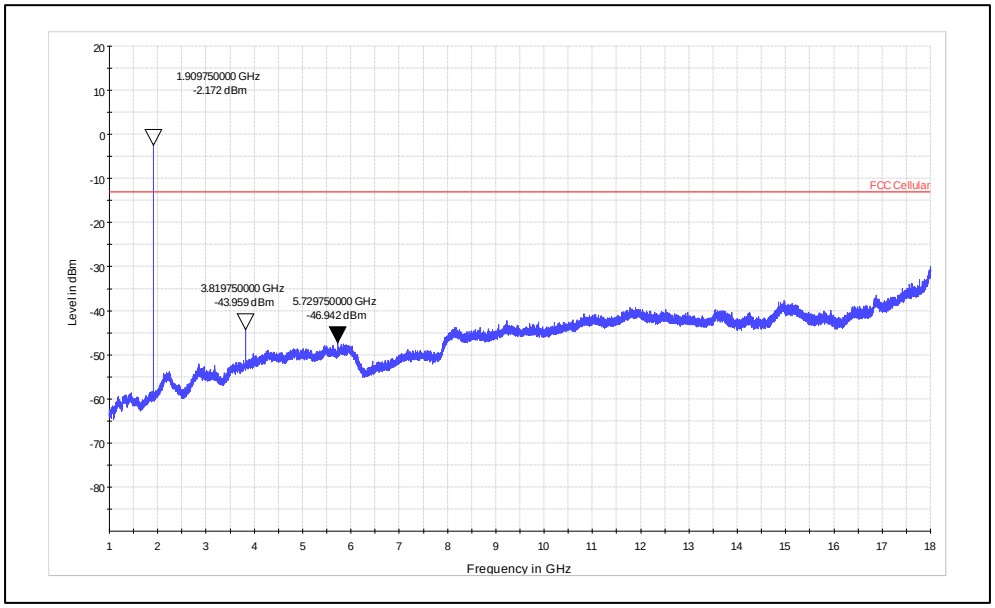
GPRS_GSM1900MHz-Ch-1880MHz_1GHz to 18GHz-Horizontal



GPRS_GSM1900MHz-Ch-1909.8MHz_1GHz to 18GHz-Vertical



GPRS_GSM1900MHz-Ch-1909.8MHz_1GHz to 18GHz-Horizontal



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 (dBµV)**	
	Quasi-peak (dBµV)	**Average (dBµV)**
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

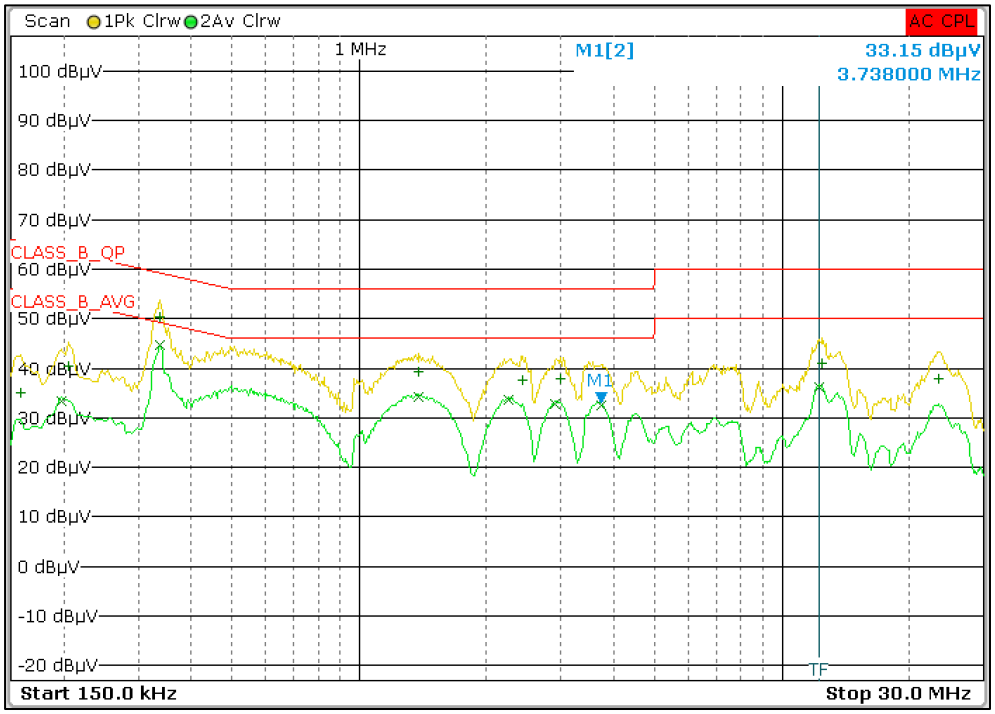
* Decreases with the logarithm of the frequency

Test Conditions:

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

Test Result:

Power: 110V 60Hz_LINE

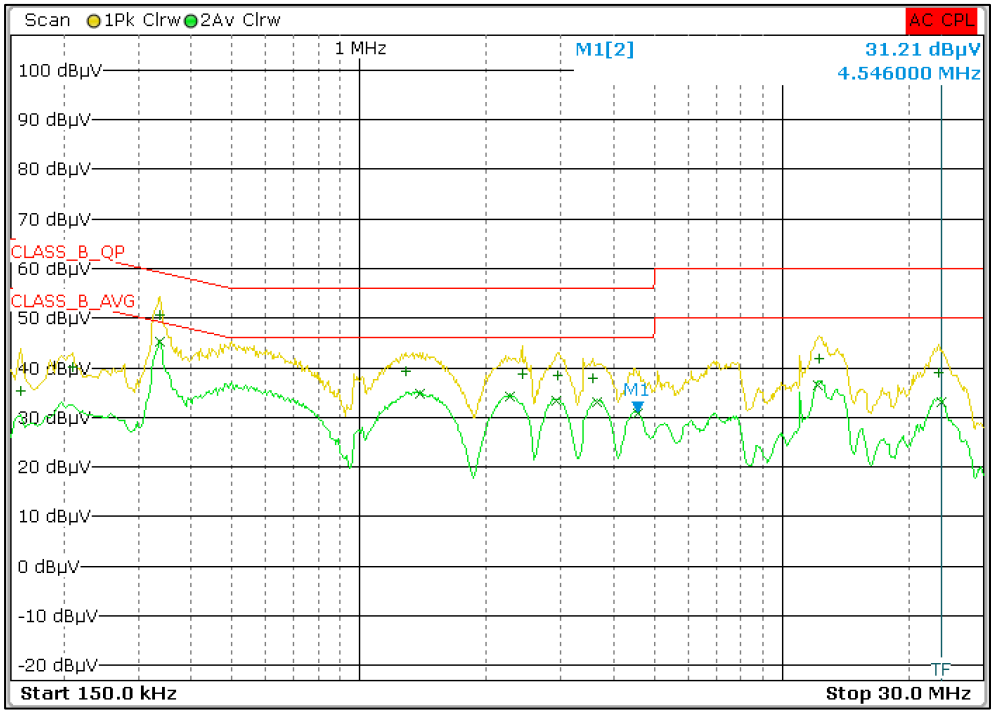


Line Graph

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

Power: 110V 60Hz_NEUTRAL



Neutral Graph

Trace	Frequency	Level (dBµV)	Phase	Detector	Delta Limit/dB
2	338.000000000 kHz	45.13		Average	-4.12
2	338.000000000 kHz	45.12		Average	-4.13
1	338.000000000 kHz	50.61		Quasi Peak	-8.64
1	338.000000000 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

9 LIST OF TABLES

10 LIST OF FIGURES

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