



FCC Radio Test Report

Applicant : Motorola Mobility LLC
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2401-1
FCC ID : IHDT56AQ7
Standard : 47 CFR FCC Part 15.519
Test Date(S) : Mar. 12, 2024 ~ Mar. 26, 2024

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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History of this test report

Report No.	Version	Description	Issued Date
FR420701H	01	Initial issue of report	Mar. 29, 2024
FR420701H	02	Updated the Antenna Type and Gain in Section 1.4	Apr. 03, 2024



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.4	15.203 15.519(a)(2)	Antenna Requirement	PASS	15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	15.207
3.2	15.503	UWB Bandwidth	PASS	≥ 500MHz
3.4	15.519(a)(1)	Technical requirements for Hand Held UWB systems	PASS	15.519(a)(1)
3.4	15.519(e)	Peak Power Measurement	PASS	≤ 0 dBm/50MHz
3.5	15.519(c) /15.519(d)	Radiated Emissions	PASS	UWB Emissions: 15.519(c) GPS Emissions: 15.519(d) Digital Emissions: 15.209

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2401-1
FCC ID	IHDT56AQ7
IMEI Code	Conduction: 357505570026234/357505570026242 Radiation: 357505570025178
HW Version	DVT2
SW Version	UUV34.71
EUT Stage	Identical Prototype

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Channel Number & Tx/Rx Frequency Range	CH05: 6489.6 MHz CH09: 7987.2 MHz
Antenna Type	<Ant. 7> : IFA Antenna <Ant. 9> : Patch Antenna
Antenna Gain	<CH05> <Ant. 7> : -1.60 dBi <Ant. 9> : -0.30 dBi <CH09> <Ant. 7> : 1.70 dBi <Ant. 9> : 1.30 dBi
Type of Modulation	BPM-BPSK

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Type of EUT

Operational Condition	
EUT Power Type	AC mains: AC voltage 120 V
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.7 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-1251
AC Adapter 1(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-1252
AC Adapter 1(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-1253
AC Adapter 1(AU)	Brand Name	Motorola(Chenyang)	Model Name	MC-1255
AC Adapter 1(AR)	Brand Name	Motorola(Chenyang)	Model Name	MC-1256
AC Adapter 1(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-1257
AC Adapter 2(US)	Brand Name	Motorola(AOHAI)	Model Name	MC-1251
AC Adapter 2(EU)	Brand Name	Motorola(AOHAI)	Model Name	MC-1252
AC Adapter 2(UK)	Brand Name	Motorola(AOHAI)	Model Name	MC-1253
AC Adapter 2(IN)	Brand Name	Motorola(AOHAI)	Model Name	MC-1254
AC Adapter 2(AU)	Brand Name	Motorola(AOHAI)	Model Name	MC-1255
AC Adapter 2(AR)	Brand Name	Motorola(AOHAI)	Model Name	MC-1256
AC Adapter 2(BR)	Brand Name	Motorola(AOHAI)	Model Name	MC-1257
AC Adapter 2(Chile)	Brand Name	Motorola(AOHAI)	Model Name	MC-1259
Battery	Brand Name	Motorola(ATL)	Model Name	QV45
USB Cable	Brand Name	Motorola(Saibao)	Model Name	SC18D71644
Wireless Earphone	Brand Name	Motorola	Model Name	XT2441-1
Wireless Charging dock	Marketing Name	Turbo Power 50W Wireless Charging Stand	Model Name	MW-02



1.8 Testing Location Information

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH05-KS	CN1257	314309

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Conduction	CO01-KS	Amos Zhang	25.3 ~ 26.2 °C 38 ~ 40 %	Mar. 12, 2024
Radiated	03CH05-KS	Leve Zhao	22 ~ 23 °C 41 ~ 42 %	Mar. 26, 2024

1.9 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH05-KS	AUDIX	E3	210616
2.	CO01-KS	AUDIX	E3	6.2009-8-24

1.10 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15F
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01



2 Test Configuration of EUT

2.1 Test Mode

Test Configuration					
Mode	UWB Antenna	UWB Channel	preamble_cidx	rx_sts_mode	packet_length
1	7	5	9	0	127
2	7	5	9	1	127
3	7	5	9	3	0
4	7	5	10	0	127
5	7	5	10	1	127
6	7	5	10	3	0
7	7	5	11	0	127
8	7	5	11	1	127
9	7	5	11	3	0
10	7	5	12	0	127
11	7	5	12	1	127
12	7	5	12	3	0
13	7	9	9	0	127
14	7	9	9	1	127
15	7	9	9	3	0
16	7	9	10	0	127
17	7	9	10	1	127
18	7	9	10	3	0
19	7	9	11	0	127
20	7	9	11	1	127
21	7	9	11	3	0
22	7	9	12	0	127
23	7	9	12	1	127
24	7	9	12	3	0
25	9	5	9	0	127
26	9	5	9	1	127
27	9	5	9	3	0
28	9	5	10	0	127
29	9	5	10	1	127
30	9	5	10	3	0
31	9	5	11	0	127
32	9	5	11	1	127
33	9	5	11	3	0
34	9	5	12	0	127
35	9	5	12	1	127
36	9	5	12	3	0
37	9	9	9	0	127
38	9	9	9	1	127






Test Configuration					
Mode	UWB Antenna	UWB Channel	preamble_cidx	rx_sts_mode	packet_length
39	9	9	9	3	0
40	9	9	10	0	127
41	9	9	10	1	127
42	9	9	10	3	0
43	9	9	11	0	127
44	9	9	11	1	127
45	9	9	11	3	0
46	9	9	12	0	127
47	9	9	12	1	127
48	9	9	12	3	0

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	UWB Bandwidth, Peak Emissions within a 50 MHz Bandwidth, Radiated Emissions
Test Condition	Radiated measurement
Operating Mode	CTX
1	Adapter Mode

Mode 1 configuration was tested and found to be the worst case and measured during the test.

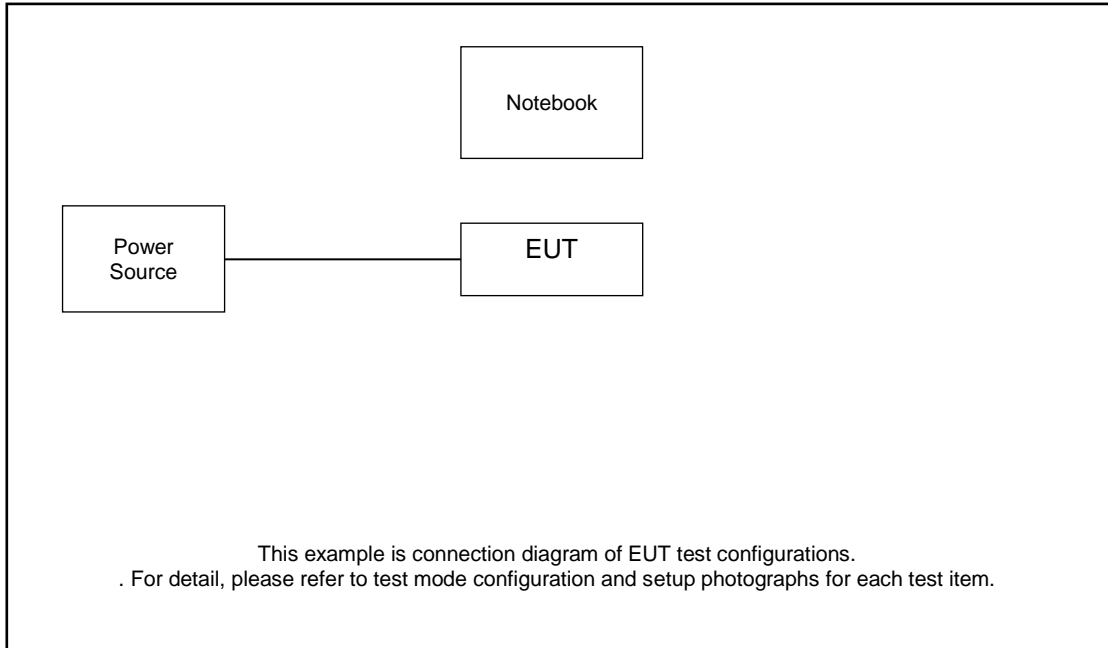
Operating Mode > 1GHz		Orthogonal Planes of EUT		
Operating Mode	CTX	X Plane	Y Plane	Z Plane
				
Worst Planes of EUT				V

Remark:

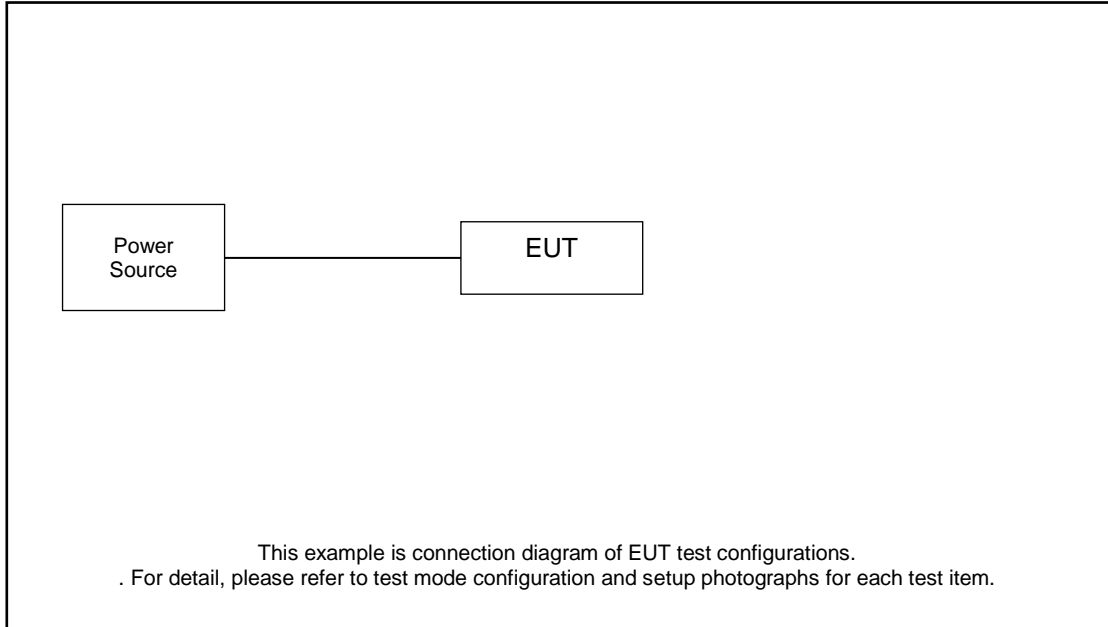
- The measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane as worst plane and recorded in this report.
- All the tests were performed with Adapter and USB Cable.
- During the preliminary test, both charging modes (Adapter mode and WPC Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.

2.3 Test Setup Diagram

For AC Conduction Emission:



For Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	Unshielded, 1.8 m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

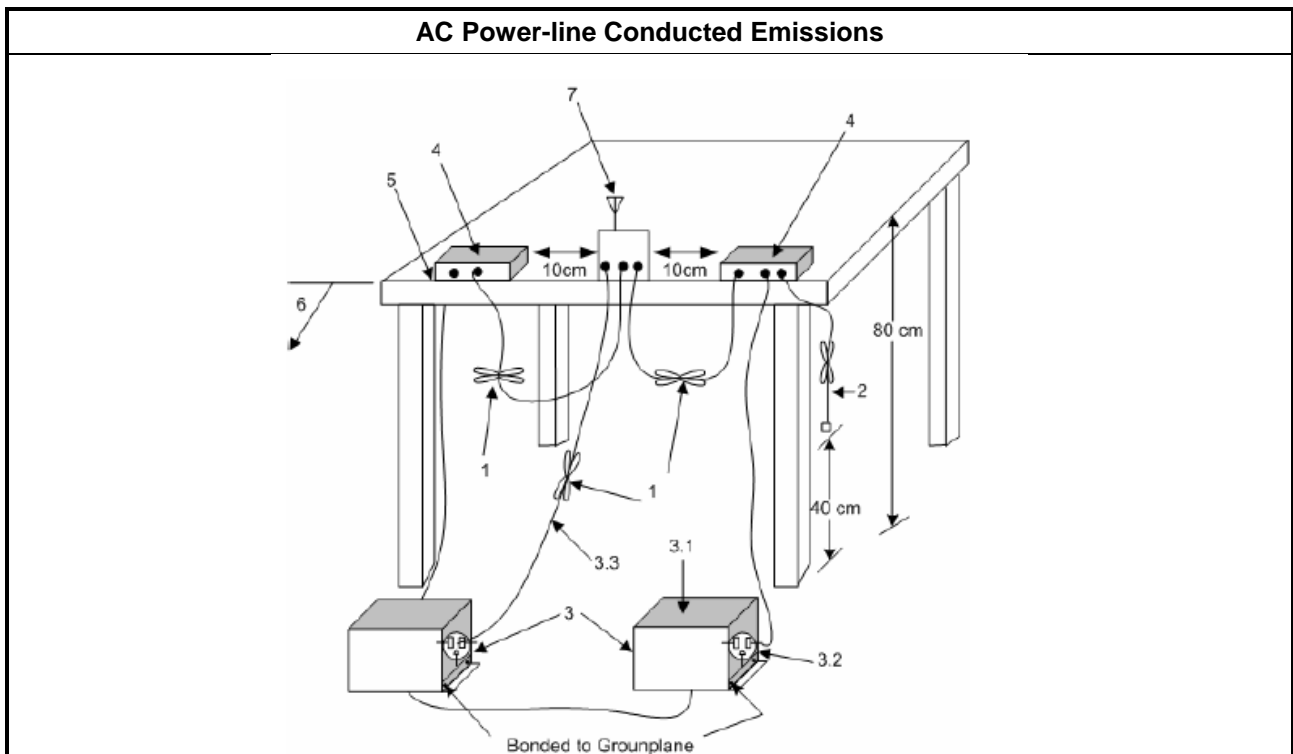
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

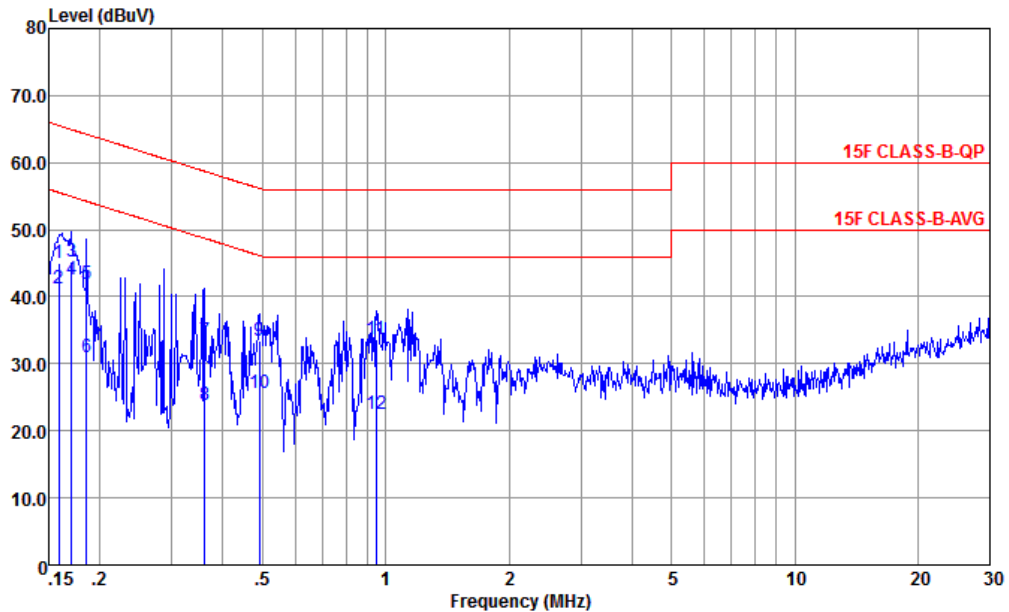
3.1.4 Test Setup





3.1.5 Test Result

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

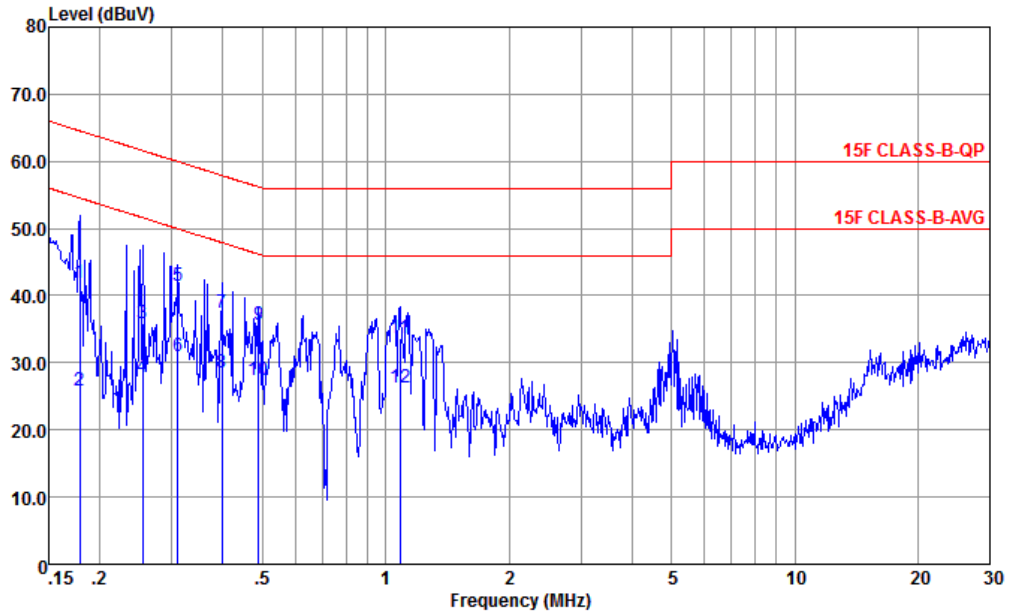


Site : CO01-KS
Condition : 15F CLASS-B-QP LISN-060105-L 2023 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.159	44.96	-20.56	65.52	34.49	0.05	10.42	QP
2	0.159	41.16	-14.36	55.52	30.69	0.05	10.42	Average
3	0.170	45.26	-19.68	64.94	34.80	0.04	10.42	QP
4 *	0.170	42.66	-12.28	54.94	32.20	0.04	10.42	Average
5	0.185	41.95	-22.29	64.24	31.50	0.04	10.41	QP
6	0.185	31.05	-23.19	54.24	20.60	0.04	10.41	Average
7	0.361	33.51	-25.18	58.69	23.20	0.01	10.30	QP
8	0.361	23.91	-24.78	48.69	13.60	0.01	10.30	Average
9	0.491	33.50	-22.64	56.14	23.31	-0.03	10.22	QP
10	0.491	25.70	-20.44	46.14	15.51	-0.03	10.22	Average
11	0.948	33.60	-22.40	56.00	23.61	-0.10	10.09	QP
12	0.948	22.50	-23.50	46.00	12.51	-0.10	10.09	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
 Condition : 15F CLASS-B-QP LISN-060105-N 2023 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.179	41.96	-22.59	64.55	31.50	0.05	10.41	QP
2	0.179	25.96	-28.59	54.55	15.50	0.05	10.41	Average
3	0.255	35.96	-25.64	61.60	25.60	0.00	10.36	QP
4	0.255	27.86	-23.74	51.60	17.50	0.00	10.36	Average
5 *	0.310	41.49	-18.48	59.97	31.20	-0.04	10.33	QP
6	0.310	30.89	-19.08	49.97	20.60	-0.04	10.33	Average
7	0.398	37.42	-20.48	57.90	27.20	-0.06	10.28	QP
8	0.398	28.42	-19.48	47.90	18.20	-0.06	10.28	Average
9	0.489	35.66	-20.53	56.19	25.50	-0.07	10.23	QP
10	0.489	27.46	-18.73	46.19	17.30	-0.07	10.23	Average
11	1.082	33.59	-22.41	56.00	23.60	-0.10	10.09	QP
12	1.082	26.19	-19.81	46.00	16.20	-0.10	10.09	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

3.2 UWB bandwidth

3.2.1 UWB bandwidth Limit

UWB bandwidth Limit	
<input checked="" type="checkbox"/>	UWB bandwidth ≥ 500 MHz or Fractional bandwidth ≥ 0.2 ; Fractional bandwidth = $2(f_H - f_L) / (f_H + f_L)$

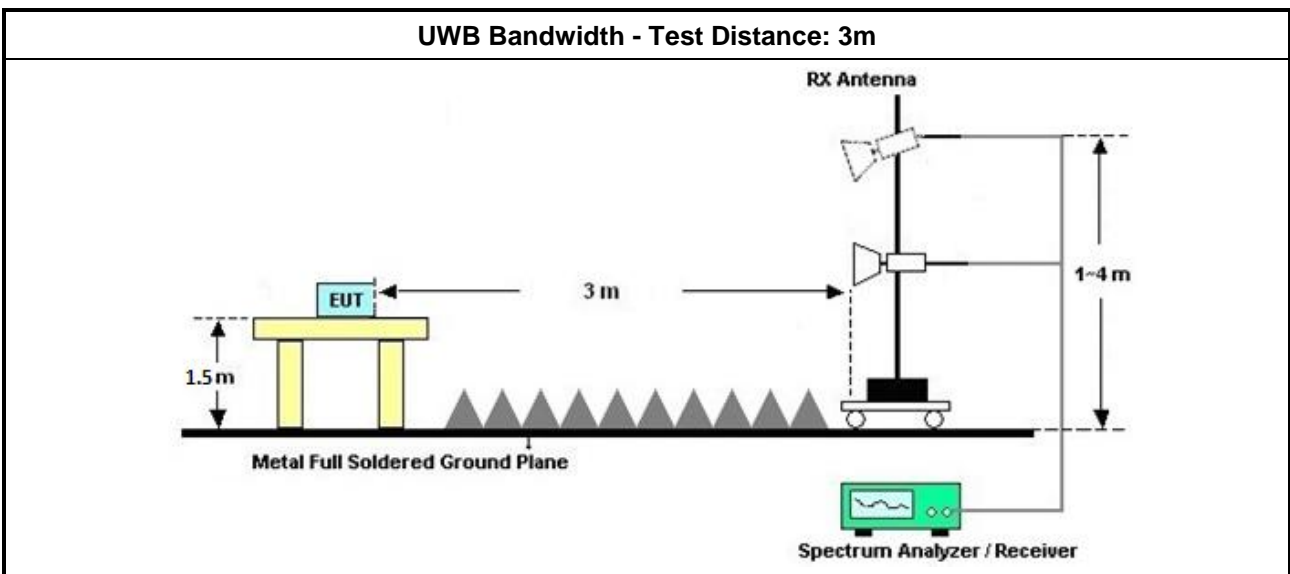
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	For the UWB bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 and clause 10.1 for UWB bandwidth testing.

3.2.4 Test Setup





3.2.5 Test Result of UWB Bandwidth

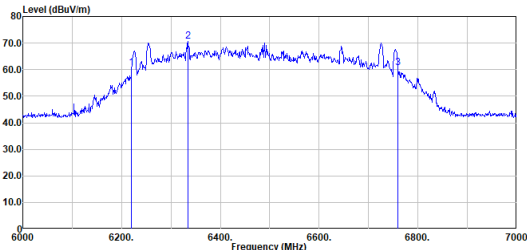
Ant	Test Mode	Channel	Fl(MHz)	Fh(MHz)	Bandwidth(MHz)	Limit(MHz)	Result	Poi(H/V)
7	1	5	6220	6760	540	≥ 500	Pass	H
7	2	5	6221	6759	538	≥ 500	Pass	H
7	3	5	6221	6760	539	≥ 500	Pass	H
7	4	5	6224	6757	533	≥ 500	Pass	H
7	5	5	6222	6758	536	≥ 500	Pass	H
7	6	5	6221	6759	538	≥ 500	Pass	H
7	7	5	6221	6759	538	≥ 500	Pass	H
7	8	5	6222	6758	536	≥ 500	Pass	H
7	9	5	6221	6759	538	≥ 500	Pass	H
7	10	5	6220	6760	540	≥ 500	Pass	H
7	11	5	6223	6757	534	≥ 500	Pass	H
7	12	5	6221	6760	539	≥ 500	Pass	H
7	13	9	7722	8266	544	≥ 500	Pass	H
7	14	9	7735	8260	525	≥ 500	Pass	H
7	15	9	7719	8256	537	≥ 500	Pass	H
7	16	9	7751	8255	504	≥ 500	Pass	H
7	17	9	7723	8256	533	≥ 500	Pass	H
7	18	9	7719	8257	538	≥ 500	Pass	H
7	19	9	7741	8300	559	≥ 500	Pass	H
7	20	9	7745	8290	545	≥ 500	Pass	H
7	21	9	7719	8257	538	≥ 500	Pass	H
7	22	9	7725	8290	565	≥ 500	Pass	H
7	23	9	7740	8269	529	≥ 500	Pass	H
7	24	9	7718	8257	539	≥ 500	Pass	H
9	25	5	6224	6758	534	≥ 500	Pass	H
9	26	5	6222	6759	537	≥ 500	Pass	H
9	27	5	6223	6758	535	≥ 500	Pass	H
9	28	5	6254	6756	502	≥ 500	Pass	H
9	29	5	6226	6758	532	≥ 500	Pass	H
9	30	5	6222	6759	537	≥ 500	Pass	H
9	31	5	6224	6757	533	≥ 500	Pass	H
9	32	5	6221	6758	537	≥ 500	Pass	H
9	33	5	6223	6758	535	≥ 500	Pass	H
9	34	5	6225	6758	533	≥ 500	Pass	H
9	35	5	6222	6759	537	≥ 500	Pass	H
9	36	5	6222	6759	537	≥ 500	Pass	H
9	37	9	7722	8255	533	≥ 500	Pass	H
9	38	9	7720	8257	537	≥ 500	Pass	H
9	39	9	7722	8256	534	≥ 500	Pass	H
9	40	9	7752	8254	502	≥ 500	Pass	H
9	41	9	7750	8255	505	≥ 500	Pass	H
9	42	9	7723	8256	533	≥ 500	Pass	H
9	43	9	7722	8256	534	≥ 500	Pass	H
9	44	9	7719	8257	538	≥ 500	Pass	H
9	45	9	7723	8256	533	≥ 500	Pass	H
9	46	9	7722	8256	534	≥ 500	Pass	H
9	47	9	7722	8255	533	≥ 500	Pass	H
9	48	9	7723	8256	533	≥ 500	Pass	H



<Ant.7>

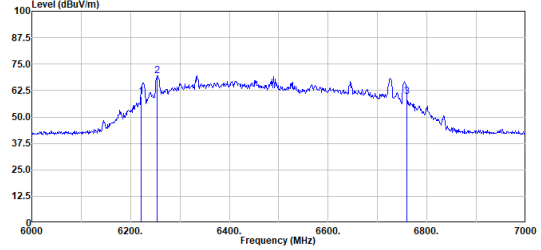
CH05 Bandwidth Plots

Mode 1: cidx-9_sts-0_packet length-127



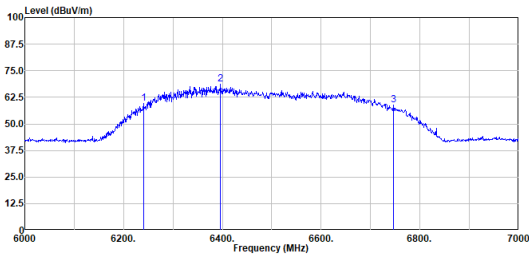
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Level (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6220.00	60.67	-----	-----	79.02	35.50	11.63	65.48	0.00	100	215	Peak	Horizontal
2	6334.00	70.58	-----	-----	88.84	35.53	11.81	65.60	0.00	100	215	Peak	Horizontal
3	6769.00	60.76	-----	-----	78.88	35.54	12.21	65.87	0.00	100	215	Peak	Horizontal

Mode 2: cidx-9_sts-1_packet length-127



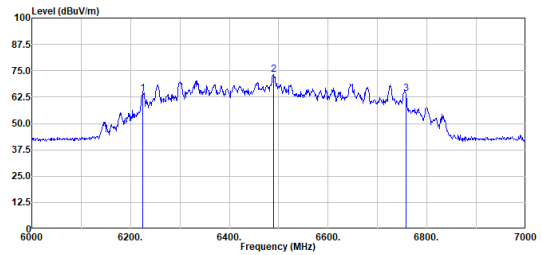
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Level (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6211.00	59.70	-----	-----	70.05	35.50	11.63	65.48	0.00	100	360	Peak	Horizontal
2	6254.00	69.50	-----	-----	87.84	35.50	11.68	65.52	0.00	100	360	Peak	Horizontal
3	6759.00	59.80	-----	-----	77.92	35.54	12.21	65.87	0.00	100	360	Peak	Horizontal

Mode 3: cidx-9_sts-3_packet length-0



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Level (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6240.00	59.55	-----	-----	77.89	35.50	11.66	65.50	0.00	400	360	Peak	Horizontal
2	6396.00	68.65	-----	-----	86.81	35.60	11.90	65.66	0.00	400	360	Peak	Horizontal
3	6747.00	58.77	-----	-----	76.91	35.55	12.20	65.89	0.00	400	360	Peak	Horizontal

Mode 4: cidx-10_sts-0_packet length-127

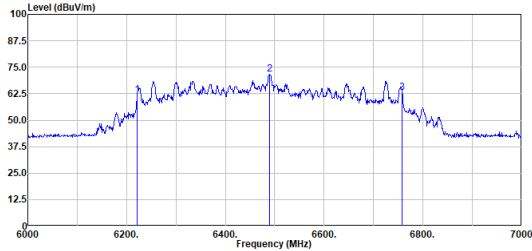


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Level (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Factor	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6224.00	64.13	-----	-----	82.48	35.50	11.64	65.49	0.00	150	360	Peak	Horizontal
2	6490.00	73.25	-----	-----	91.51	35.51	11.90	65.76	0.00	150	360	Peak	Horizontal
3	6757.00	64.13	-----	-----	82.26	35.54	12.21	65.88	0.00	150	360	Peak	Horizontal



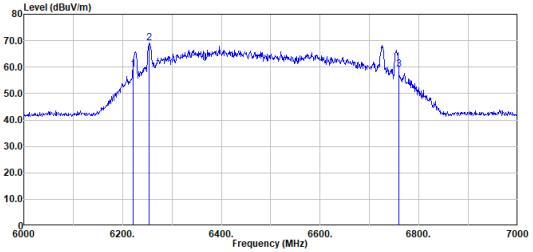
CH05 Bandwidth Plots

Mode 5: cidx-10_sts-1_packet length-127



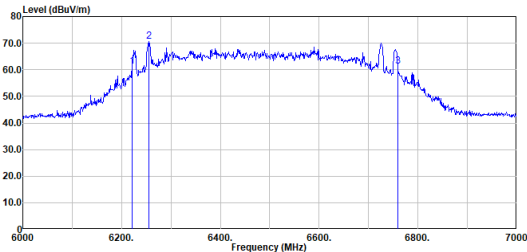
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	6222.00	61.75	-----	-----	80.10	35.50	11.63	65.48	0.00	150	0	Peak	Horizontal
2	6489.00	71.62	-----	-----	89.87	35.51	11.99	65.75	0.00	150	0	Peak	Horizontal
3	6758.00	62.89	-----	-----	81.02	35.54	12.21	65.88	0.00	150	0	Peak	Horizontal

Mode 6: cidx-10_sts-3_packet length-0



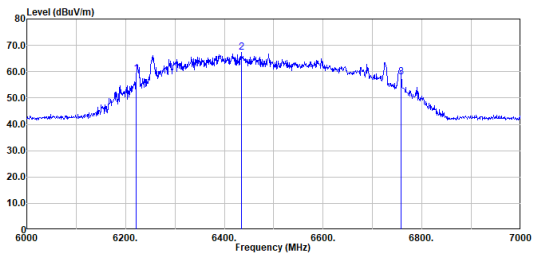
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	6221.00	59.27	-----	-----	77.62	35.50	11.63	65.48	0.00	150	0	Peak	Horizontal
2	6434.00	69.13	-----	-----	87.47	35.50	11.68	65.52	0.00	150	0	Peak	Horizontal
3	6759.00	59.19	-----	-----	77.31	35.54	12.21	65.87	0.00	150	0	Peak	Horizontal

Mode 7: cidx-11_sts-0_packet length-127



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	6221.00	61.31	-----	-----	79.78	35.50	11.63	65.60	0.00	100	360	Peak	Horizontal
2	6255.00	70.75	-----	-----	89.19	35.50	11.68	65.62	0.00	100	360	Peak	Horizontal
3	6759.00	61.24	-----	-----	79.22	35.54	12.21	65.73	0.00	100	360	Peak	Horizontal

Mode 8: cidx-11_sts-1_packet length-127

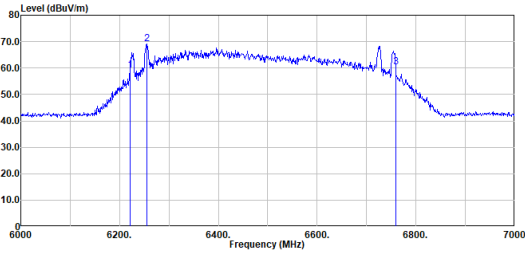


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	6221.00	59.21	-----	-----	77.56	35.50	11.63	65.48	0.00	150	360	Peak	Horizontal
2	6434.00	67.21	-----	-----	85.40	35.57	11.94	65.70	0.00	150	360	Peak	Horizontal
3	6758.00	58.83	-----	-----	76.16	35.54	12.21	65.88	0.00	150	360	Peak	Horizontal



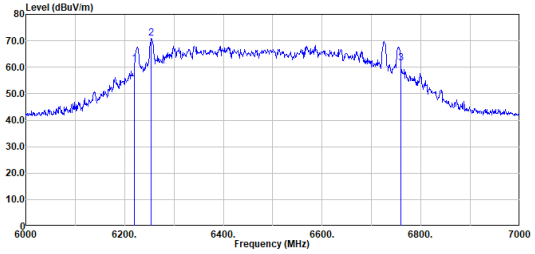
CH05 Bandwidth Plots

Mode 9: cidx-11_sts-3_packet length-0



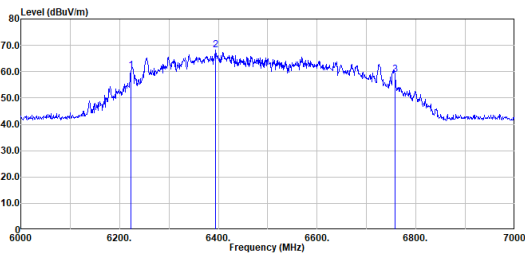
Peak	Freq	Level	Limit	Line Margin	Read Level	Ant Level	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	6221.00	59.27	-----	-----	77.62	35.50	11.63	65.48	0.00	100	0	Peak	Horizontal
2	6255.00	69.18	-----	-----	87.52	35.50	11.68	65.52	0.00	100	0	Peak	Horizontal
3	6759.00	60.23	-----	-----	78.35	35.54	12.21	65.87	0.00	100	0	Peak	Horizontal

Mode 10: cidx-12_sts-0_packet length-127



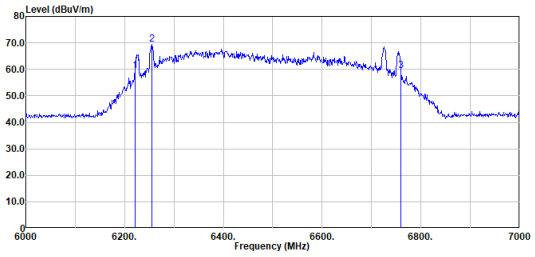
Peak	Freq	Level	Limit	Line Margin	Read Level	Ant Level	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	6220.00	61.32	-----	-----	79.67	35.50	11.63	65.48	0.00	100	360	Peak	Vertical
2	6254.00	70.86	-----	-----	89.20	35.50	11.68	65.52	0.00	100	360	Peak	Vertical
3	6760.00	61.57	-----	-----	79.69	35.54	12.21	65.87	0.00	100	360	Peak	Vertical

Mode 11: cidx-12_sts-1_packet length-127



Peak	Freq	Level	Limit	Line Margin	Read Level	Ant Level	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	6223.00	60.26	-----	-----	78.60	35.50	11.64	65.48	0.00	150	0	Peak	Horizontal
2	6394.00	60.17	-----	-----	86.34	35.59	11.90	65.66	0.00	150	0	Peak	Horizontal
3	6757.00	59.01	-----	-----	77.14	35.54	12.21	65.88	0.00	150	0	Peak	Horizontal

Mode 12: cidx-12_sts-3_packet length-0

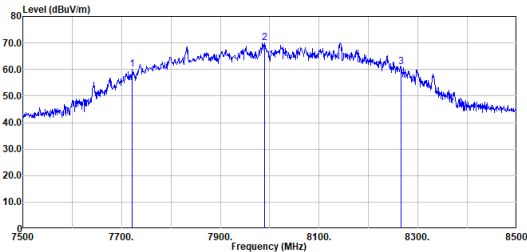


Peak	Freq	Level	Limit	Line Margin	Read Level	Ant Level	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	6221.00	59.50	-----	-----	77.85	35.50	11.63	65.48	0.00	100	360	Peak	Horizontal
2	6255.00	69.44	-----	-----	87.78	35.50	11.68	65.52	0.00	100	360	Peak	Horizontal
3	6760.00	59.46	-----	-----	77.50	35.54	12.21	65.87	0.00	100	360	Peak	Horizontal



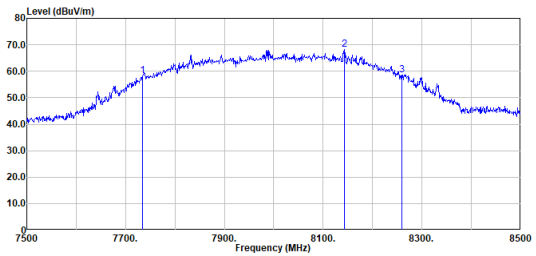
CH09 Bandwidth Plots

Mode 13: cidx-9_sts-0_packet length-127



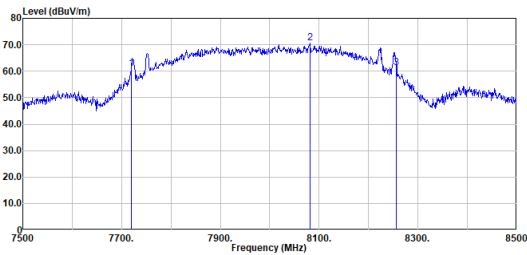
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7722.00	60.19	-----	-----	78.04	35.92	13.13	66.90	0.00	100	360	Peak	Horizontal
2	7998.00	78.14	-----	-----	87.49	36.18	13.34	66.79	0.00	100	360	Peak	Horizontal
3	8266.00	60.95	-----	-----	77.72	36.40	13.65	66.82	0.00	100	360	Peak	Horizontal

Mode 14: cidx-9_sts-1_packet length-127



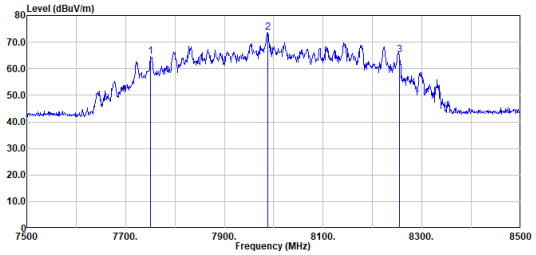
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7735.00	58.41	-----	-----	76.22	35.94	13.14	66.89	0.00	100	360	Peak	Horizontal
2	8143.00	68.19	-----	-----	85.20	36.29	13.50	66.80	0.00	100	360	Peak	Horizontal
3	8269.00	58.56	-----	-----	75.34	36.40	13.64	66.82	0.00	100	360	Peak	Horizontal

Mode 15: cidx-9_sts-3_packet length-0



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7719.00	60.87	-----	-----	78.73	35.92	13.12	66.90	0.00	150	0	Peak	Horizontal
2	8081.00	78.62	-----	-----	87.81	36.18	13.43	66.80	0.00	150	0	Peak	Horizontal
3	8256.00	61.26	-----	-----	78.04	36.40	13.64	66.82	0.00	150	0	Peak	Horizontal

Mode 16: cidx-10_sts-0_packet length-127

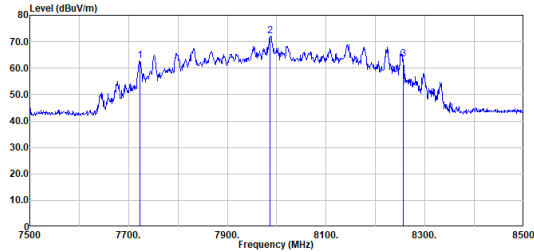


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7751.00	64.63	-----	-----	82.41	35.95	13.15	66.88	0.00	150	360	Peak	Horizontal
2	7988.00	73.55	-----	-----	90.90	36.10	13.34	66.79	0.00	150	360	Peak	Horizontal
3	8255.00	65.88	-----	-----	81.87	36.40	13.63	66.82	0.00	150	360	Peak	Horizontal



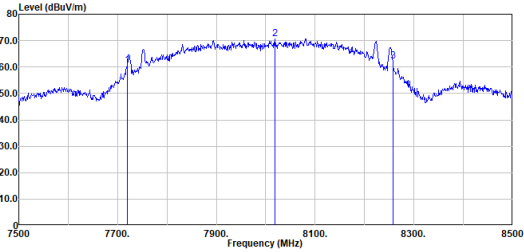
CH09 Bandwidth Plots

Mode 17: cidx-10_sts-1_packet length-127



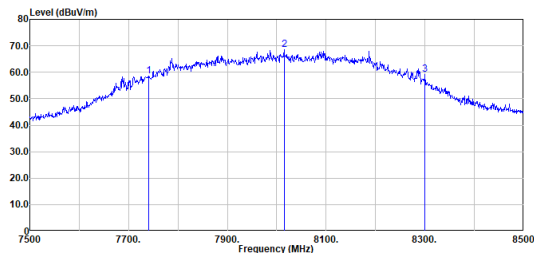
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7723.00	62.80	80.65	17.85	35.92	13.13	66.90	0.00	150	0	deg	Peak	Horizontal
2	7987.00	72.19	89.54	17.35	66.79	0.00	150	0	150	0	deg	Peak	Horizontal
3	8256.00	63.25	80.03	16.78	36.40	13.64	66.82	0.00	150	0	deg	Peak	Horizontal

Mode 18: cidx-10_sts-3_packet length-0



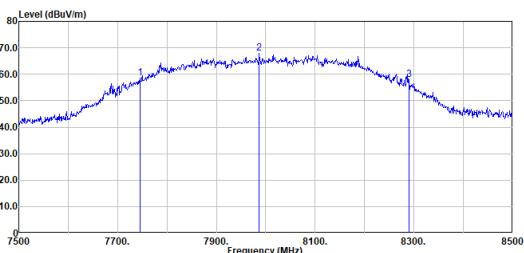
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7719.00	60.56	78.42	17.86	35.92	13.12	66.90	0.00	100	358	deg	Peak	Horizontal
2	8018.00	70.68	87.98	17.30	66.79	0.00	100	358	100	358	deg	Peak	Horizontal
3	8257.00	62.08	78.86	16.78	36.40	13.64	66.82	0.00	100	358	deg	Peak	Horizontal

Mode 19: cidx-11_sts-0_packet length-127



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7741.00	58.68	76.49	17.81	35.94	13.14	66.89	0.00	100	360	deg	Peak	Horizontal
2	8015.00	68.55	85.87	17.32	66.79	0.00	100	360	100	360	deg	Peak	Horizontal
3	8300.00	59.11	75.63	16.52	36.40	13.70	66.82	0.00	100	360	deg	Peak	Horizontal

Mode 20: cidx-11_sts-1_packet length-127

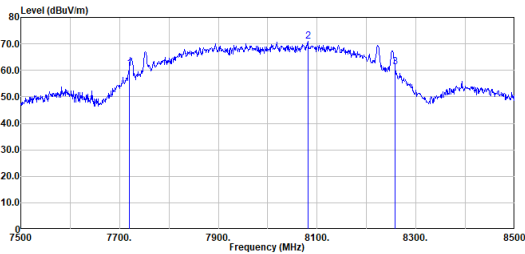


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (dB)	TPos (cm)	Remark	Pol/Phase
1	7745.00	58.42	76.22	17.80	35.94	13.15	66.89	0.00	100	360	deg	Peak	Horizontal
2	7987.00	68.00	85.35	17.35	66.79	0.00	100	360	100	360	deg	Peak	Horizontal
3	8290.00	58.08	74.82	16.74	36.40	13.68	66.82	0.00	100	360	deg	Peak	Horizontal



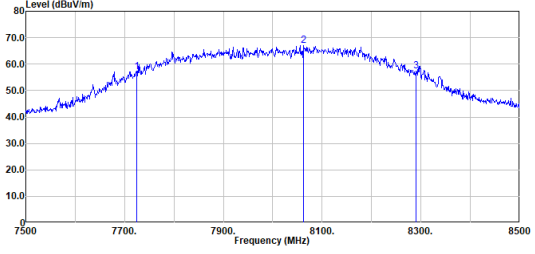
CH09 Bandwidth Plots

Mode 21: cidx-11_sts-3_packet length-0



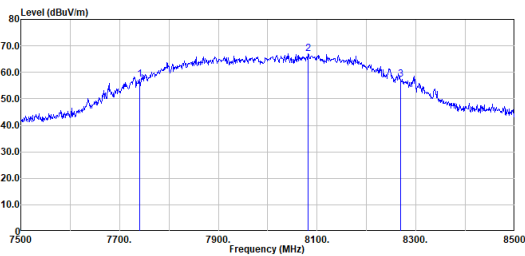
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin	Read Level (dBuV/m)	Ant Level Factor (dB)	Cable Loss Factor (dB/m)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7719.00	60.79	-----	-----	78.65	35.92	13.12	66.90	0.00	100	360	Peak	Horizontal
2	8081.00	70.85	-----	-----	88.04	36.18	13.43	66.80	0.00	100	360	Peak	Horizontal
3	8257.00	61.31	-----	-----	78.09	36.40	13.64	66.82	0.00	100	360	Peak	Horizontal

Mode 22: cidx-12_sts-0_packet length-127



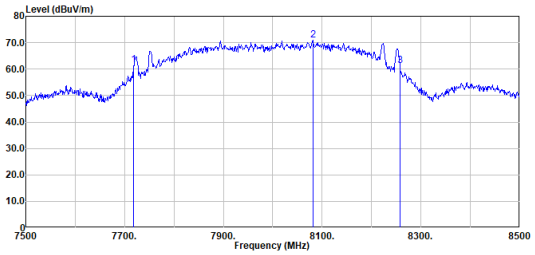
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin	Read Level (dBuV/m)	Ant Level Factor (dB)	Cable Loss Factor (dB/m)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7725.00	57.20	-----	-----	75.03	35.03	13.13	66.89	0.00	100	360	Peak	Horizontal
2	8063.00	67.11	-----	-----	84.34	36.16	13.41	66.80	0.00	100	360	Peak	Horizontal
3	8290.00	57.33	-----	-----	74.07	36.40	13.68	66.82	0.00	100	360	Peak	Horizontal

Mode 23: cidx-12_sts-1_packet length-127



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin	Read Level (dBuV/m)	Ant Level Factor (dB)	Cable Loss Factor (dB/m)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7740.00	57.48	-----	-----	75.29	35.94	13.14	66.89	0.00	152	0	Peak	Horizontal
2	8081.00	67.09	-----	-----	84.28	36.18	13.43	66.80	0.00	152	0	Peak	Horizontal
3	8259.00	57.30	-----	-----	74.07	36.40	13.65	66.82	0.00	152	0	Peak	Horizontal

Mode 24: cidx-12_sts-3_packet length-0



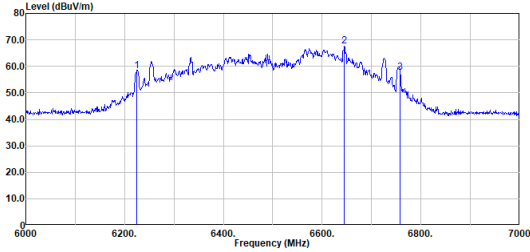
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin	Read Level (dBuV/m)	Ant Level Factor (dB)	Cable Loss Factor (dB/m)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7718.00	61.69	-----	-----	79.55	35.92	13.12	66.90	0.00	100	360	Peak	Horizontal
2	8081.00	70.81	-----	-----	88.00	36.18	13.43	66.80	0.00	100	360	Peak	Horizontal
3	8257.00	61.35	-----	-----	78.13	36.40	13.64	66.82	0.00	100	360	Peak	Horizontal



<Ant.9>

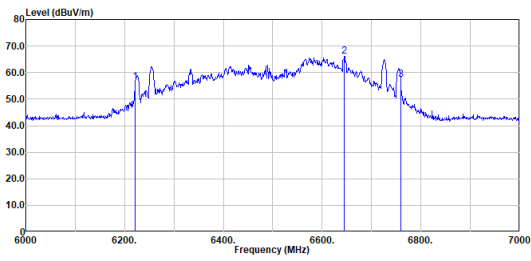
CH05 Bandwidth Plots

Mode 25: cidx-9_sts-0_packet length-127



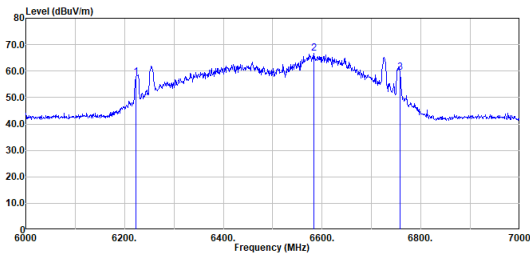
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	6224.00	58.22	75.57	17.35	76.57	35.50	11.64	65.49	0.00	150	360	Peak	Horizontal
2	6645.00	67.65	85.89	18.24	85.89	35.54	12.13	65.91	0.00	150	360	Peak	Horizontal
3	6758.00	57.68	75.81	18.13	75.81	35.54	12.21	65.88	0.00	150	360	Peak	Horizontal

Mode 26: cidx-9_sts-1_packet length-127



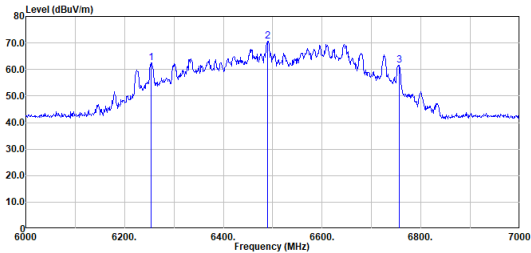
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	6222.00	56.46	74.81	18.35	74.81	35.50	11.63	65.48	0.00	150	360	Peak	Horizontal
2	6645.00	66.12	84.36	18.24	84.36	35.54	12.13	65.91	0.00	150	360	Peak	Horizontal
3	6759.00	57.39	75.51	18.12	75.51	35.54	12.21	65.87	0.00	150	360	Peak	Horizontal

Mode 27: cidx-9_sts-3_packet length-0



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	6223.00	57.72	76.06	18.34	76.06	35.50	11.64	65.48	0.00	150	0	Peak	Horizontal
2	6584.00	66.82	85.89	19.07	85.89	35.50	12.00	65.85	0.00	150	0	Peak	Horizontal
3	6758.00	59.49	77.62	18.13	77.62	35.54	12.21	65.88	0.00	150	0	Peak	Horizontal

Mode 28: cidx-10_sts-0_packet length-127

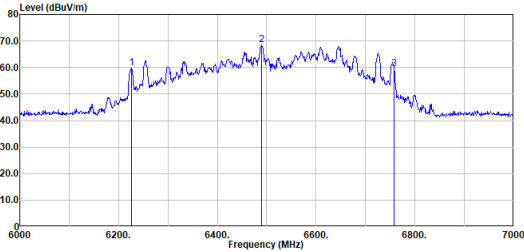


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	Ant Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	6254.00	62.54	80.88	18.34	80.88	35.50	11.68	65.52	0.00	150	360	Peak	Horizontal
2	6489.00	70.65	88.90	18.25	88.90	35.51	11.99	65.75	0.00	150	360	Peak	Horizontal
3	6756.00	61.55	79.68	18.13	79.68	35.54	12.21	65.88	0.00	150	360	Peak	Horizontal



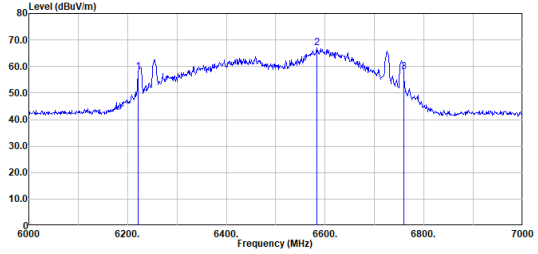
CH05 Bandwidth Plots

Mode 29: cidx-10_sts-1_packet length-127



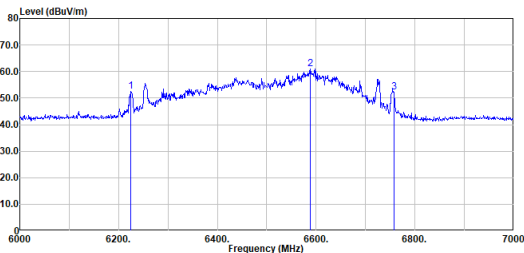
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Loss (dB)	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6226.00	59.83	78.18	35.50	11.64	65.49	0.00	150	0	Peak	Horizontal		
2	6498.00	68.56	86.82	35.51	11.99	65.76	0.00	150	0	Peak	Horizontal		
3	6758.00	59.48	77.61	35.54	12.21	65.88	0.00	150	0	Peak	Horizontal		

Mode 30: cidx-10_sts-3_packet length-0



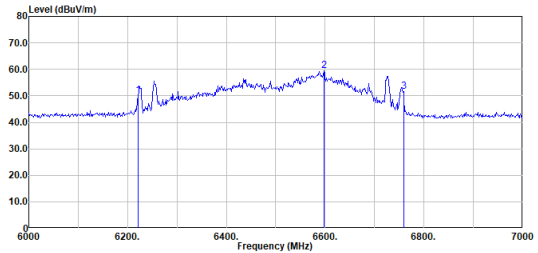
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Loss (dB)	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6322.00	57.86	76.21	35.50	11.63	65.48	0.00	150	360	Peak	Horizontal		
2	6584.00	67.10	85.37	35.50	12.08	65.85	0.00	150	360	Peak	Horizontal		
3	6759.00	57.94	76.06	35.54	12.21	65.87	0.00	150	360	Peak	Horizontal		

Mode 31: cidx-11_sts-0_packet length-127



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Loss (dB)	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6224.00	52.59	70.94	35.50	11.64	65.49	0.00	150	0	Peak	Horizontal		
2	6588.00	60.93	79.21	35.50	12.08	65.86	0.00	150	0	Peak	Horizontal		
3	6757.00	52.12	70.25	35.54	12.21	65.88	0.00	150	0	Peak	Horizontal		

Mode 32: cidx-11_sts-1_packet length-127

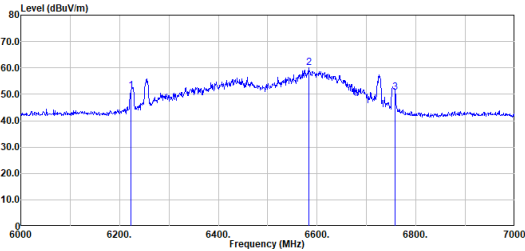


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Loss (dB)	Aux Loss (dB)	APos (dB)	TPos (deg)	Remark	Pol/Phase
1	6221.43	49.98	68.33	35.50	11.63	65.48	0.00	150	360	Peak	Horizontal		
2	6597.14	59.48	77.75	35.50	12.09	65.86	0.00	150	360	Peak	Horizontal		
3	6758.57	51.55	69.67	35.54	12.21	65.87	0.00	150	360	Peak	Horizontal		



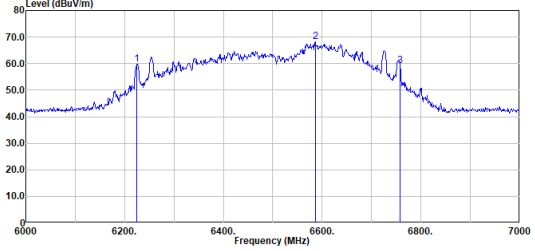
CH05 Bandwidth Plots

Mode 33: cidx-11_sts-3_packet length-0



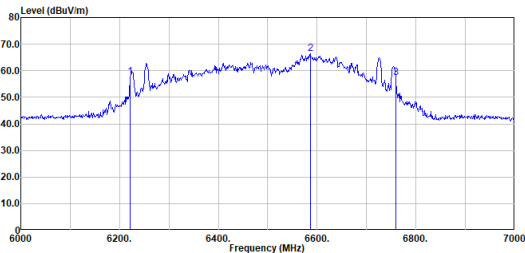
Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		
1 6223.00	51.40	-----	69.74	35.50	11.64	65.48	0.00	150	0	150	0	Peak	Horizontal
2 6583.00	68.18	-----	78.45	35.50	12.08	65.85	0.00	150	0	150	0	Peak	Horizontal
3 6758.00	50.67	-----	68.80	35.54	12.21	65.88	0.00	150	0	150	0	Peak	Horizontal

Mode 34: cidx-12_sts-0_packet length-127



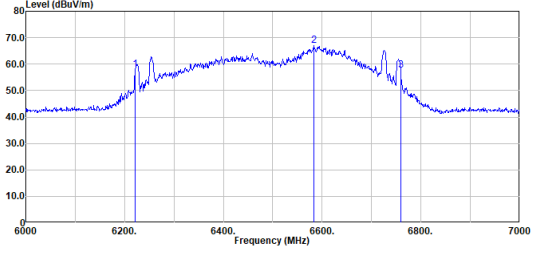
Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		
1 6225.00	59.89	-----	78.24	35.50	11.64	65.49	0.00	150	360	150	360	Peak	Horizontal
2 6586.00	68.36	-----	86.63	35.50	12.08	65.85	0.00	150	360	150	360	Peak	Horizontal
3 6758.00	59.29	-----	77.42	35.54	12.21	65.88	0.00	150	360	150	360	Peak	Horizontal

Mode 35: cidx-12_sts-1_packet length-127



Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		
1 6222.00	57.77	-----	76.12	35.50	11.63	65.48	0.00	150	0	150	0	Peak	Horizontal
2 6586.00	66.39	-----	84.66	35.50	12.08	65.85	0.00	150	0	150	0	Peak	Horizontal
3 6759.00	57.26	-----	75.38	35.54	12.21	65.87	0.00	150	0	150	0	Peak	Horizontal

Mode 36: cidx-12_sts-3_packet length-0

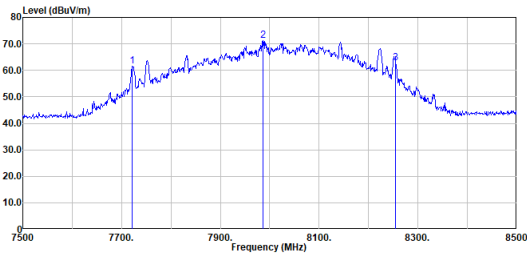


Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		
1 6222.00	57.97	-----	76.32	35.50	11.63	65.48	0.00	150	360	150	360	Peak	Horizontal
2 6583.00	67.14	-----	85.41	35.50	12.08	65.85	0.00	150	360	150	360	Peak	Horizontal
3 6759.00	57.76	-----	75.88	35.54	12.21	65.87	0.00	150	360	150	360	Peak	Horizontal



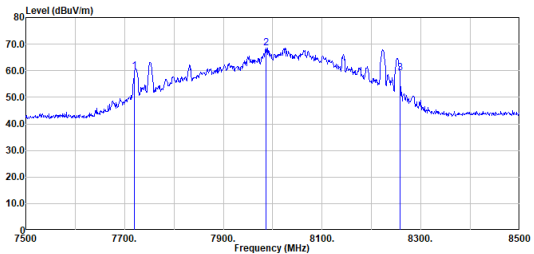
CH09 Bandwidth Plots

Mode 37: cidx-9_sts-0_packet length-127



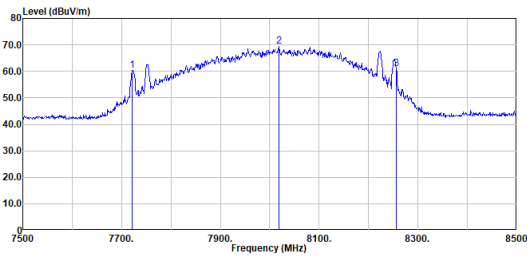
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7722.00	61.44	-----	-----	79.29	35.92	13.13	66.90	0.00	150	360	Peak	Horizontal
2	7987.00	71.31	-----	-----	88.66	36.10	13.34	66.79	0.00	150	360	Peak	Horizontal
3	8255.00	62.90	-----	-----	79.69	36.40	13.63	66.82	0.00	150	360	Peak	Horizontal

Mode 38: cidx-9_sts-1_packet length-127



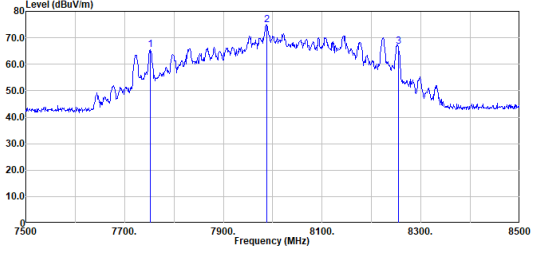
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7720.00	59.69	-----	-----	77.54	35.92	13.13	66.90	0.00	150	0	Peak	Horizontal
2	7987.00	68.68	-----	-----	85.95	36.10	13.34	66.79	0.00	150	0	Peak	Horizontal
3	8257.00	59.39	-----	-----	76.88	36.40	13.64	66.82	0.00	150	0	Peak	Horizontal

Mode 39: cidx-9_sts-3_packet length-0



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7722.00	68.45	-----	-----	78.30	35.92	13.13	66.90	0.00	150	360	Peak	Horizontal
2	8018.00	69.42	-----	-----	86.72	36.12	13.37	66.79	0.00	150	360	Peak	Horizontal
3	8256.00	68.99	-----	-----	77.77	36.40	13.64	66.82	0.00	150	360	Peak	Horizontal

Mode 40: cidx-10_sts-0_packet length-127

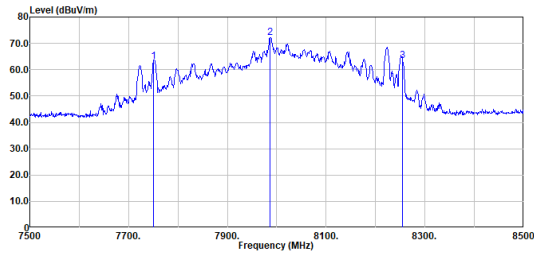


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7752.00	65.43	-----	-----	83.21	35.95	13.15	66.88	0.00	150	360	Peak	Horizontal
2	7988.00	74.94	-----	-----	92.09	36.10	13.34	66.79	0.00	150	360	Peak	Horizontal
3	8254.00	66.63	-----	-----	83.42	36.40	13.63	66.82	0.00	150	360	Peak	Horizontal



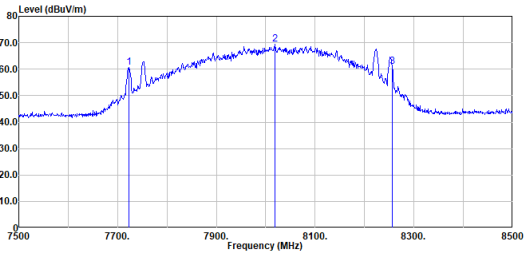
CH09 Bandwidth Plots

Mode 41: cidx-10_sts-1_packet length-127



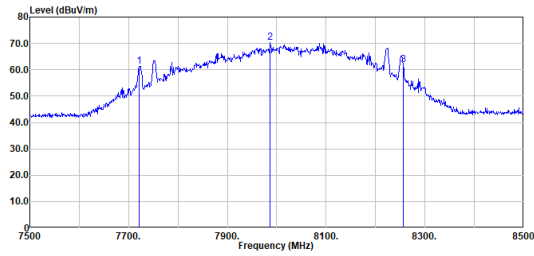
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7750.00	63.00	80.88	35.95	13.15	66.89	0.00	150	0	Peak	Horizontal		
2	7987.00	72.23	89.58	36.10	13.34	66.79	0.00	150	0	Peak	Horizontal		
3	8255.00	63.54	80.33	36.40	13.63	66.82	0.00	150	0	Peak	Horizontal		

Mode 42: cidx-10_sts-3_packet length-0



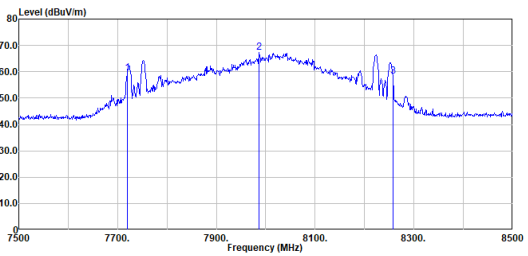
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7723.00	60.56	78.41	35.92	13.13	66.90	0.00	150	360	Peak	Horizontal		
2	8018.00	69.38	86.68	36.12	13.37	66.79	0.00	150	360	Peak	Horizontal		
3	8256.00	60.89	77.67	36.40	13.64	66.82	0.00	150	360	Peak	Horizontal		

Mode 43: cidx-11_sts-0_packet length-127



Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7722.00	61.41	79.26	35.92	13.13	66.90	0.00	150	0	Peak	Horizontal		
2	7987.00	70.26	87.61	36.10	13.34	66.79	0.00	150	0	Peak	Horizontal		
3	8256.00	61.80	78.58	36.40	13.64	66.82	0.00	150	0	Peak	Horizontal		

Mode 44: cidx-11_sts-1_packet length-127

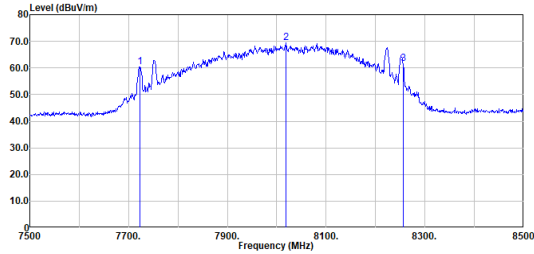


Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Loss (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase
1	7719.00	59.57	77.43	35.92	13.12	66.90	0.00	150	360	Peak	Horizontal		
2	7987.00	67.22	84.57	36.10	13.34	66.79	0.00	150	360	Peak	Horizontal		
3	8257.00	58.32	75.10	36.40	13.64	66.82	0.00	150	360	Peak	Horizontal		



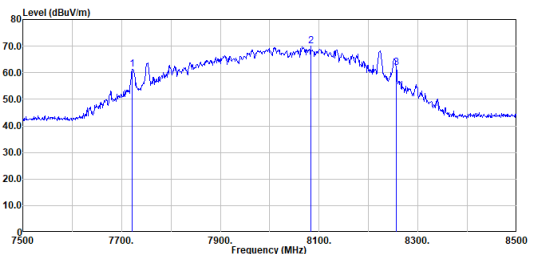
CH09 Bandwidth Plots

Mode 45: cidx-11_sts-3_packet length-0



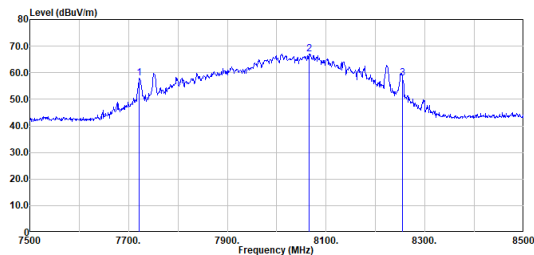
Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	7723.00	60.30	-----	78.15	35.92	13.13	66.90	0.00	150	0	Peak	Horizontal	
2	8019.00	69.40	-----	86.70	36.12	13.37	66.70	0.00	150	0	Peak	Horizontal	
3	8256.00	61.52	-----	78.30	36.40	13.64	66.82	0.00	150	0	Peak	Horizontal	

Mode 46: cidx-12_sts-0_packet length-127



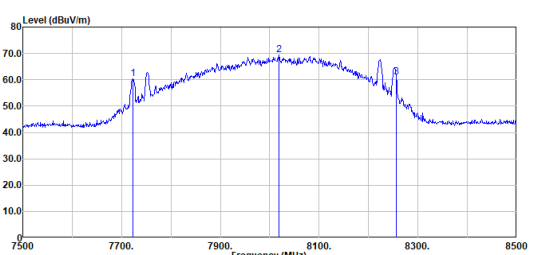
Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	7722.00	61.23	-----	79.00	35.92	13.13	66.90	0.00	150	360	Peak	Horizontal	
2	8083.00	70.14	-----	87.32	36.18	13.44	66.80	0.00	150	360	Peak	Horizontal	
3	8256.00	62.00	-----	78.78	36.40	13.64	66.82	0.00	150	360	Peak	Horizontal	

Mode 47: cidx-12_sts-1_packet length-127



Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	7722.00	57.90	-----	75.75	35.92	13.13	66.90	0.00	150	360	Peak	Horizontal	
2	8065.00	67.13	-----	84.34	36.17	13.42	66.80	0.00	150	360	Peak	Horizontal	
3	8255.00	58.05	-----	74.84	36.40	13.63	66.82	0.00	150	360	Peak	Horizontal	

Mode 48: cidx-12_sts-3_packet length-0



Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	7723.00	60.48	-----	78.33	35.92	13.13	66.90	0.00	150	360	Peak	Horizontal	
2	8019.00	69.40	-----	86.70	36.12	13.37	66.70	0.00	150	360	Peak	Horizontal	
3	8256.00	61.13	-----	77.91	36.40	13.64	66.82	0.00	150	360	Peak	Horizontal	

3.3 Technical requirements for hand held UWB systems

3.3.1 Technical Requirements for transmission Limit

FCC 15.519(a) (1) A UWB device operating under the provisions of this section shall transmit only when it is sending information to an associated receiver. The UWB intentional radiator shall cease transmission within 10 seconds unless it receives an acknowledgement from the associated receiver that its transmission is being received. An acknowledgment of reception must continue to be received by the UWB intentional radiator at least every 10 seconds or the UWB device must cease transmitting.

3.3.2 Measuring Instruments

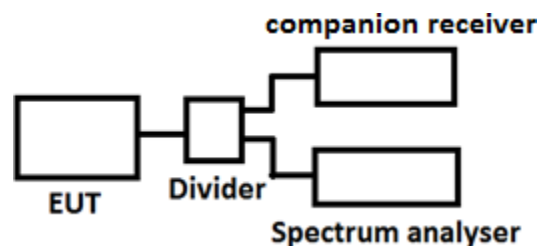
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedure

Follow the test step as below:

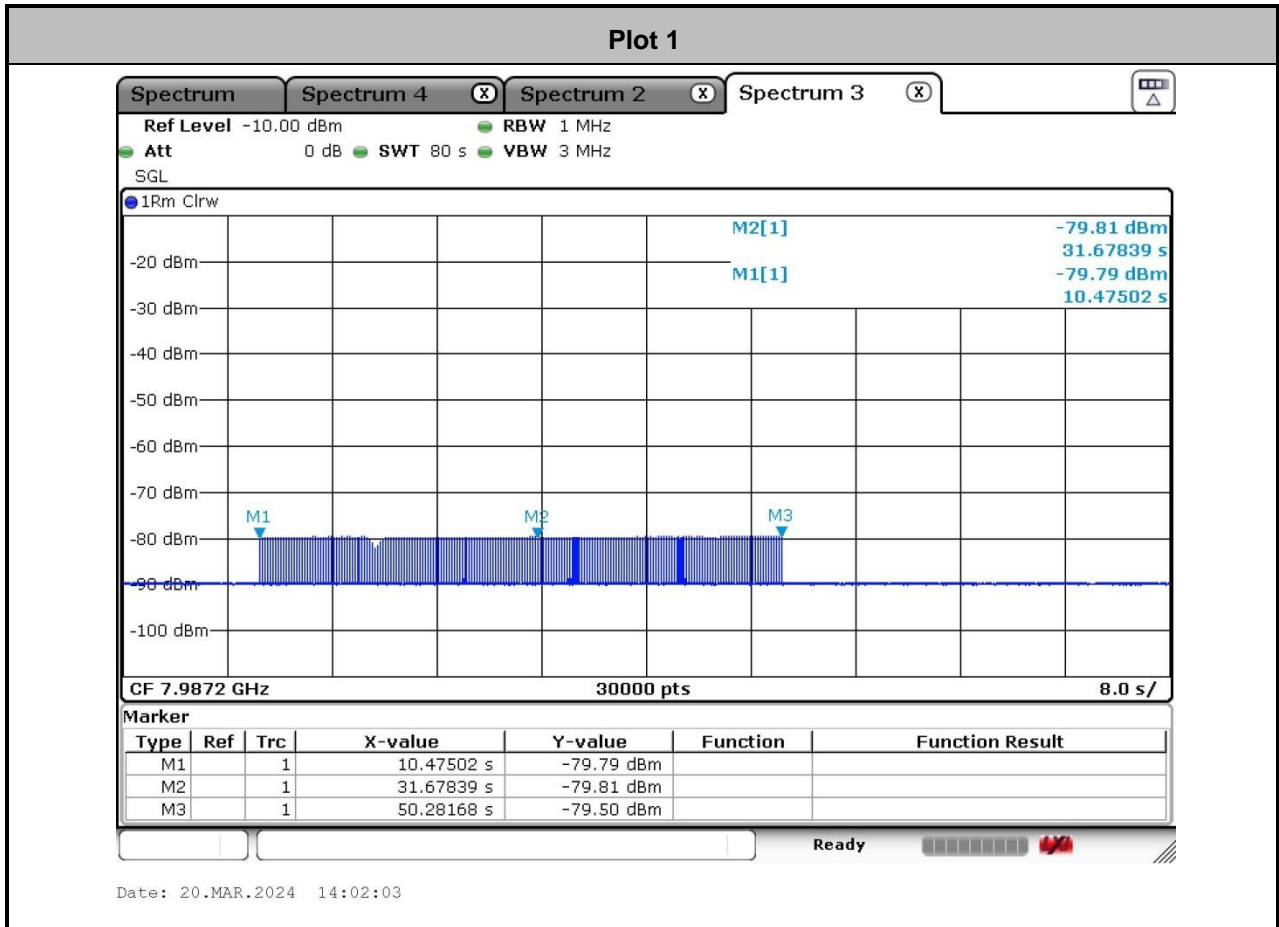
1. Turn on both EUT and companion receiver.
2. Set the EUT to TX mode, and EUT starts polling.
3. Set the companion receiver to associate EUT and EUT starts to transmit.
4. Disable the TX function of EUT.
5. Check if EUT stop transmitting once step 4 is made. (see plot 1 in clause 3.3.5)
6. Turn off both EUT and companion receiver.
7. Repeat step 1 to step 3.
8. Disable the RX function of the companion receiver to disassociate the EUT.
9. Check if EUT stop transmitting once step 8 is made. (see plot 2 in clause 3.3.5)

3.3.4 Test Setup





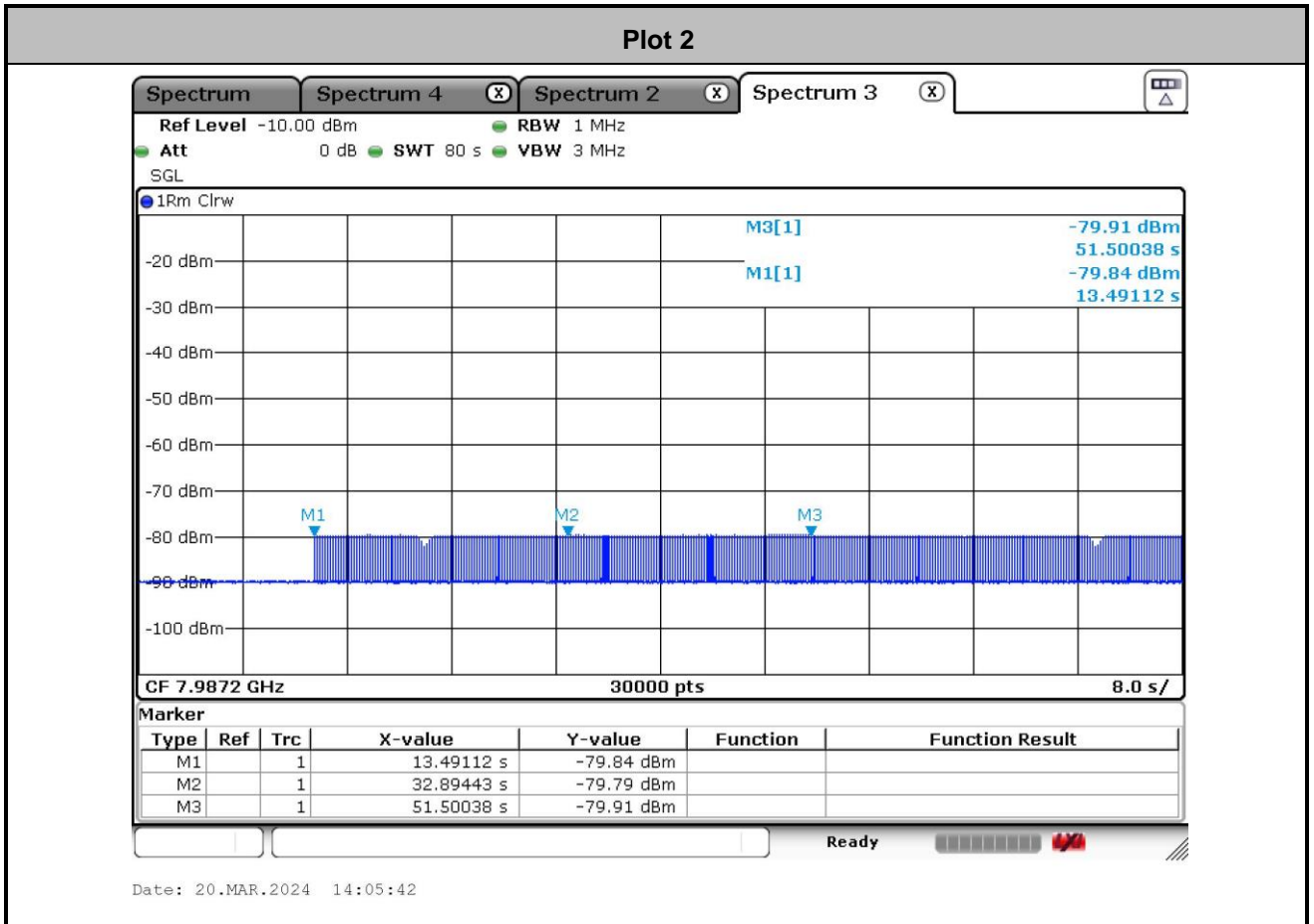
3.3.5 Test Result



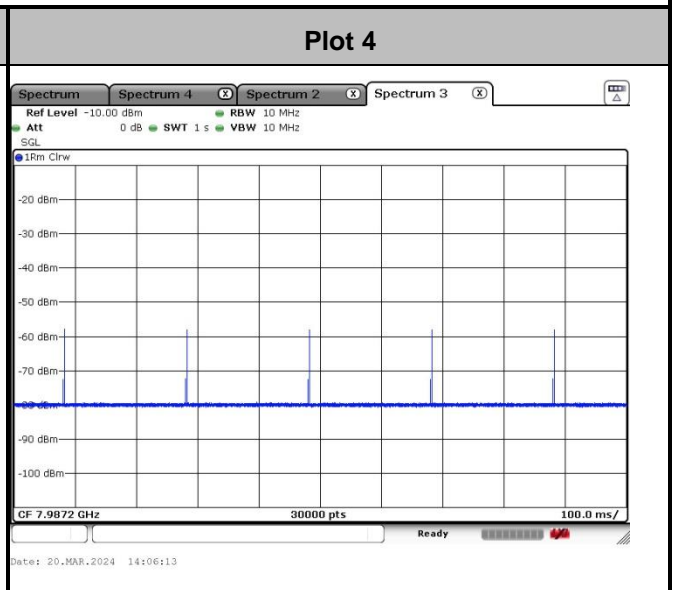
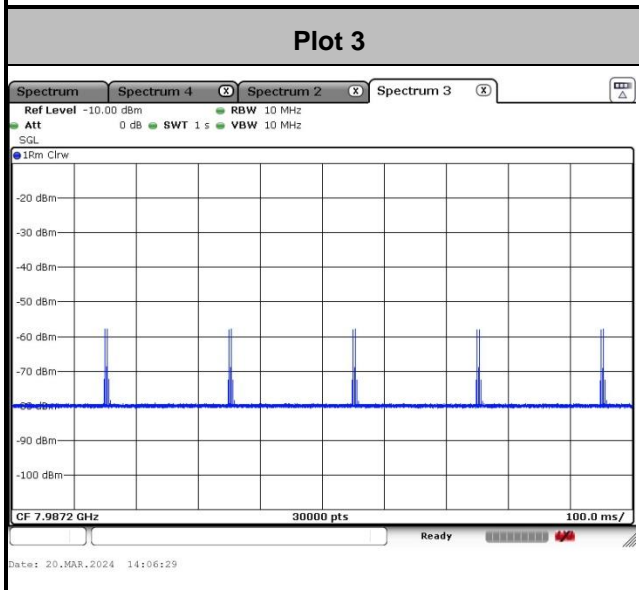
M1 to M2: Set the EUT to TX mode, and EUT starts polling.

M2 to M3: Set the companion receiver to associate EUT and EUT starts to transmit.

M3: Disable the TX function of EUT. EUT stops transmitting and polling.



M1 to M2: Set the EUT to TX mode, and EUT starts polling.
M2 to M3: Set the companion receiver to associate EUT and EUT starts to transmit.
M3: RX function of the companion receiver is disabled. EUT disassociates the companion receiver and stops transmitting, but continues polling.



Plot 3 is zoom in plot of M2 to M3 (transmission)
Plot 4 is zoom in plot after M3 (polling only)

3.4 Peak Power Measurement

3.4.1 Peak Power Measurement Limit

Peak Power Measurement Limit
$P_{eirp} = 0 \text{ dBm}/50\text{MHz}$

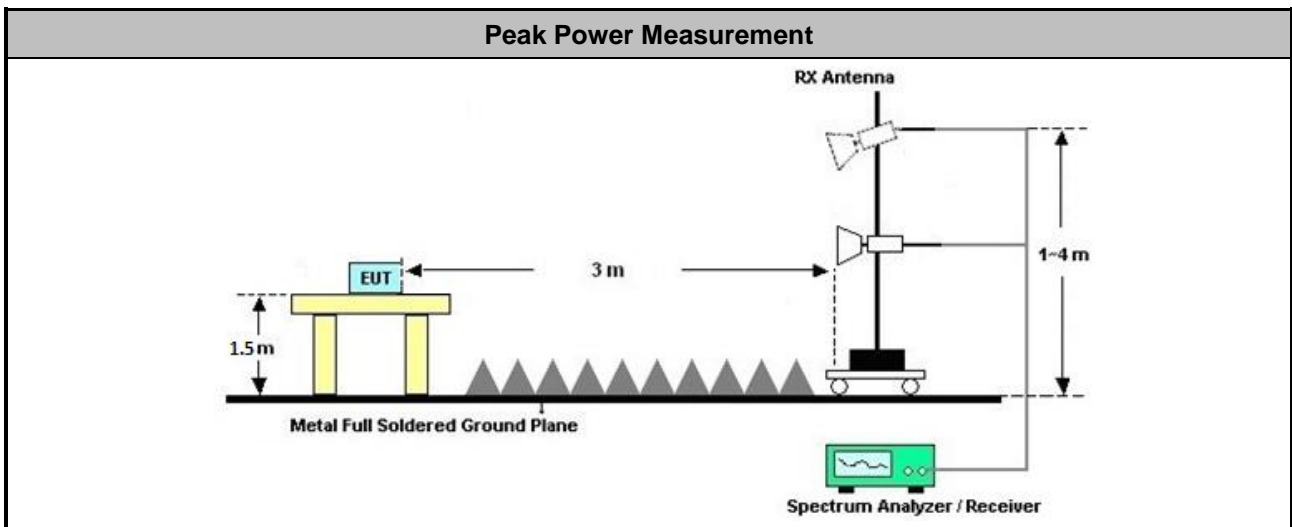
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Peak Power Measurement
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.5 for peak detector procedure testing
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.6 for bandwidth conversion of peak power
<input checked="" type="checkbox"/>	Frequency of max peak power is pre-located: The span bandwidth is continuously reduced to find the worst frequency. Once the worst frequency is found, the setting of spectrum analyzer is set as below: <ul style="list-style-type: none"> • Central frequency: Worst frequency point • Span: Zero span • RBW: 40MHz • VBW: 40MHz • Detector: Peak detector • Trace: Max hold

3.4.4 Test Setup





3.4.5 Test Result of Peak Power Measurement

<Ant.7>

Peak Measurement Result								
Mode	Freq. (MHz)	E-Field (dBuV/m)	ERIP _{40MHz} (dBm)	ERIP _{50MHz} (dBm)	EIRP _{40MHz} Limit (dBm)	Margin [dB]	Result	Pol [H/V]
1	6564	88.87	-6.33	0	-1.94	-4.39	Pass	H
2	6566	87.79	-7.41	0	-1.94	-5.47	Pass	H
3	6583	80.44	-14.76	0	-1.94	-12.82	Pass	H
4	6594	87.22	-7.98	0	-1.94	-6.04	Pass	H
5	6570	88.66	-6.54	0	-1.94	-4.6	Pass	H
6	6583	80.21	-14.99	0	-1.94	-13.05	Pass	H
7	6592	89.36	-5.84	0	-1.94	-3.9	Pass	H
8	6386	89.87	-5.33	0	-1.94	-3.39	Pass	H
9	6396	82.13	-13.07	0	-1.94	-11.13	Pass	H
10	6585.6	89.49	-5.71	0	-1.94	-3.77	Pass	H
11	6421	90.9	-4.3	0	-1.94	-2.36	Pass	H
12	6583	80.66	-14.54	0	-1.94	-12.6	Pass	H
13	7989	92.95	-2.25	0	-1.94	-0.31	Pass	H
14	7987	92.21	-2.99	0	-1.94	-1.05	Pass	H
15	8080	83.4	-11.8	0	-1.94	-9.86	Pass	H
16	7987.4	92.78	-2.42	0	-1.94	-0.48	Pass	H
17	7987	92.94	-2.26	0	-1.94	-0.32	Pass	H
18	8080	83.02	-12.18	0	-1.94	-10.24	Pass	H
19	8089	90.83	-4.37	0	-1.94	-2.43	Pass	H
20	8080	88.65	-6.55	0	-1.94	-4.61	Pass	H
21	8090	83.28	-11.92	0	-1.94	-9.98	Pass	H
22	8083	90.75	-4.45	0	-1.94	-2.51	Pass	H
23	8089	89.48	-5.72	0	-1.94	-3.78	Pass	H
24	8089	82.41	-12.79	0	-1.94	-10.85	Pass	H

Note 1: EIRP [dBm] = E-Field [dBuV/m] - 95.2;
Note 2: Bandwidth Correction Factor (BWCF) = 20 log (40MHz/50MHz).
Note 3: EIRP_{40MHz} Limit = EIRP_{50MHz} Limit + BWCF, FCC Part 15.521(g).
Note 4: Measurement worst emissions of receive antenna polarization.



<Ant.9>

Peak Measurement Result								
Mode	Freq. (MHz)	E-Field (dBuV/m)	ERIP _{40MHz} (dBm)	ERIP _{50MHz} (dBm)	EIRP _{40MHz} Limit (dBm)	Margin [dB]	Result	Pol [H/V]
25	6603	88.94	-6.26	0	-1.94	-4.32	Pass	H
26	6588	85.55	-9.65	0	-1.94	-7.71	Pass	H
27	6583	80.14	-15.06	0	-1.94	-13.12	Pass	H
28	6594	88.32	-6.88	0	-1.94	-4.94	Pass	H
29	6607	88.46	-6.74	0	-1.94	-4.8	Pass	H
30	6583	80.12	-15.08	0	-1.94	-13.14	Pass	H
31	6596	89.63	-5.57	0	-1.94	-3.63	Pass	H
32	6596	87.89	-7.31	0	-1.94	-5.37	Pass	H
33	6583	80.14	-15.06	0	-1.94	-13.12	Pass	H
34	6585	89.5	-5.7	0	-1.94	-3.76	Pass	H
35	6585	88.08	-7.12	0	-1.94	-5.18	Pass	H
36	6583	80.02	-15.18	0	-1.94	-13.24	Pass	H
37	8026	90.84	-4.36	0	-1.94	-2.42	Pass	H
38	8022	89.1	-6.1	0	-1.94	-4.16	Pass	H
39	8018	82.8	-12.4	0	-1.94	-10.46	Pass	H
40	7987	92.91	-2.29	0	-1.94	-0.35	Pass	H
41	8019	90.42	-4.78	0	-1.94	-2.84	Pass	H
42	8018	82.6	-12.6	0	-1.94	-10.66	Pass	H
43	8018	89.29	-5.91	0	-1.94	-3.97	Pass	H
44	8018	87.66	-7.54	0	-1.94	-5.6	Pass	H
45	8018	82.95	-12.25	0	-1.94	-10.31	Pass	H
46	8011	89.37	-5.83	0	-1.94	-3.89	Pass	H
47	8022	89.55	-5.65	0	-1.94	-3.71	Pass	H
48	8018	82.23	-12.97	0	-1.94	-11.03	Pass	H

Note 1: EIRP [dBm] = E-Field [dBuV/m] - 95.2;
Note 2: Bandwidth Correction Factor (BWCF) = 20 log (40MHz/50MHz).
Note 3: EIRP_{40MHz} Limit = EIRP_{50MHz} Limit + BWCF, FCC Part 15.521(g).
Note 4: Measurement worst emissions of receive antenna polarization.

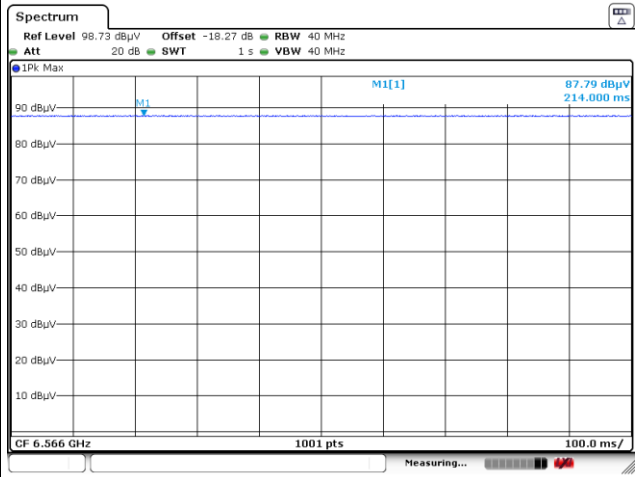
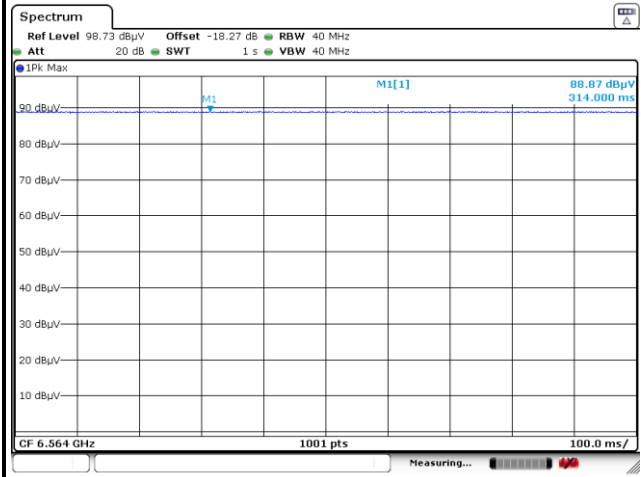


<Ant.7>

CH05 Peak Power Measurement Plots

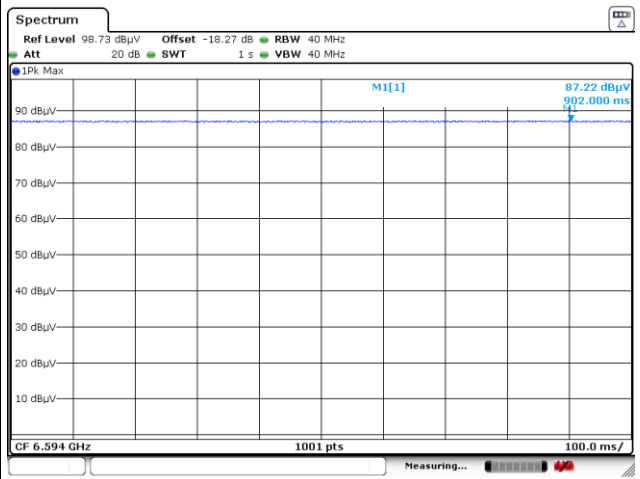
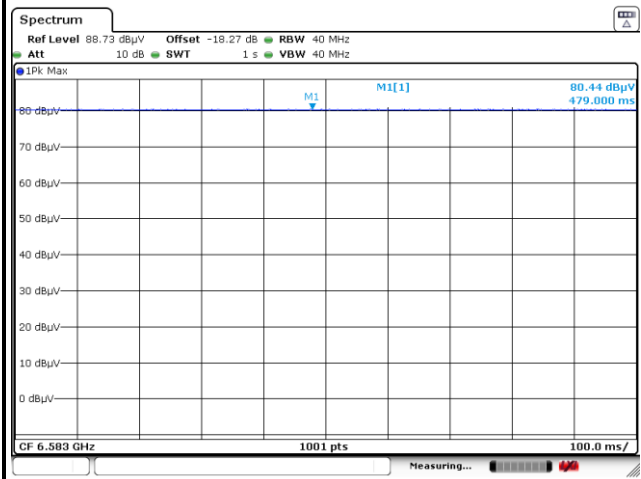
Mode 1: cidx-9_sts-0_packet length-127

Mode 2: cidx-9_sts-1_packet length-127



Mode 3: cidx-9_sts-3_packet length-0

Mode 4: cidx-10_sts-0_packet length-127

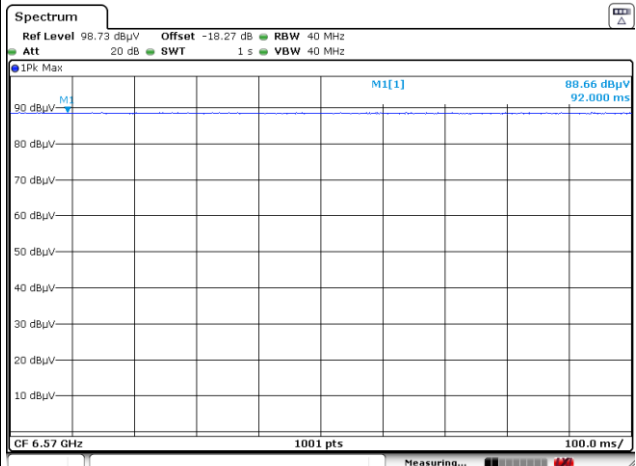




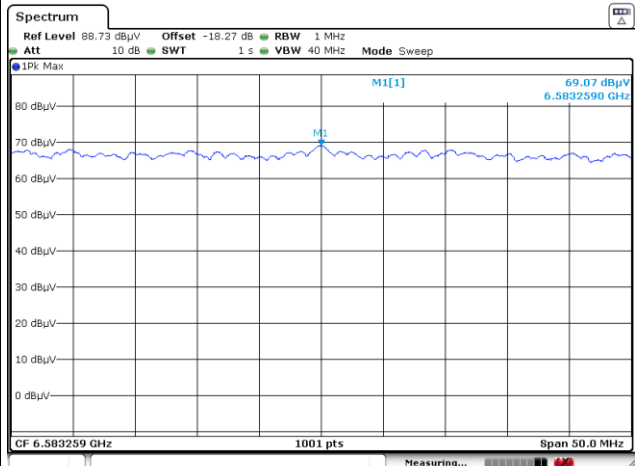
CH05 Peak Power Measurement Plots

Mode 5: cidx-10_sts-1_packet length-127

Mode 6: cidx-10_sts-3_packet length-0



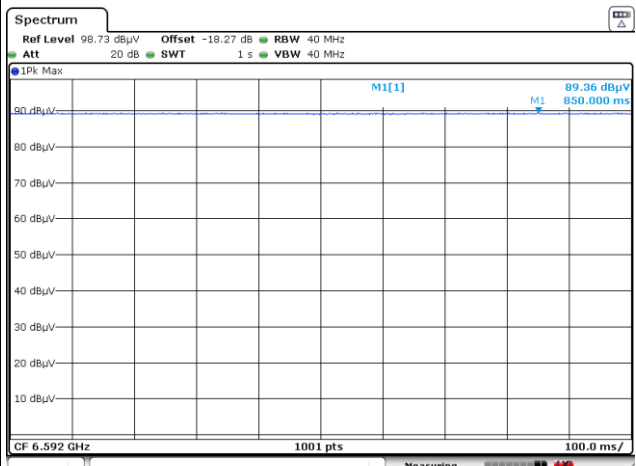
Date: 4.MAR.2024 20:58:52



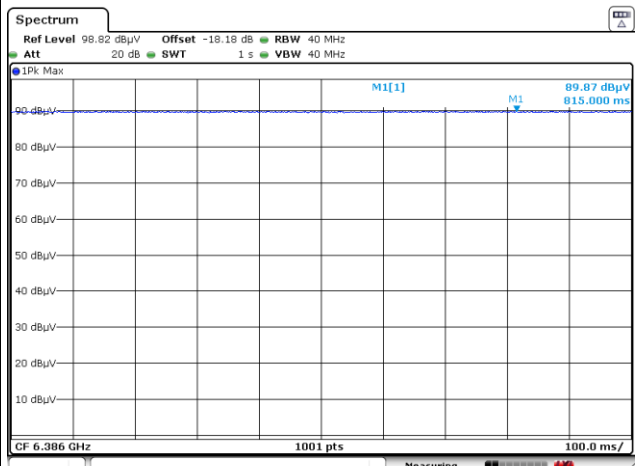
Date: 4.MAR.2024 21:14:21

Mode 7: cidx-11_sts-0_packet length-127

Mode 8: cidx-11_sts-1_packet length-127



Date: 4.MAR.2024 22:32:22



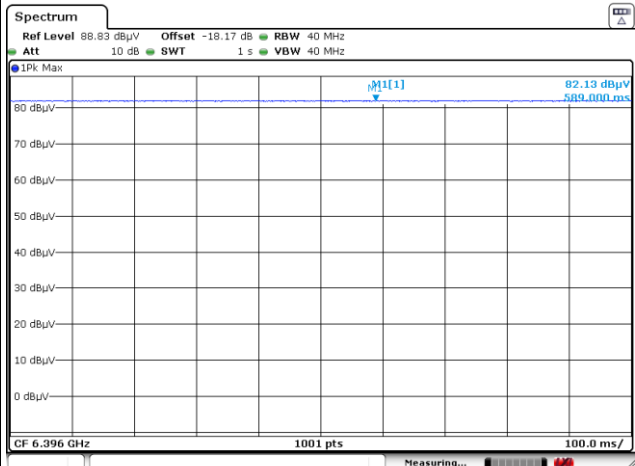
Date: 4.MAR.2024 23:13:21



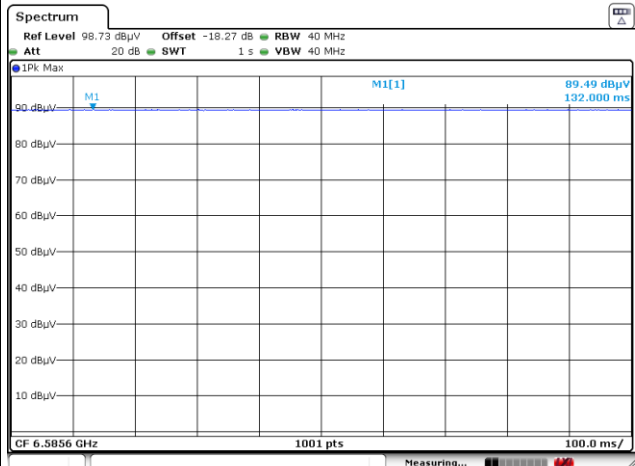
CH05 Peak Power Measurement Plots

Mode 9: cidx-11_sts-3_packet length-0

Mode 10: cidx-12_sts-0_packet length-127



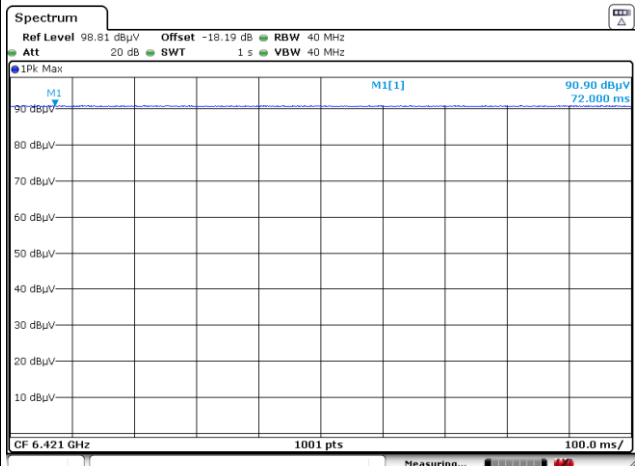
Date: 4.MAR.2024 23:33:19



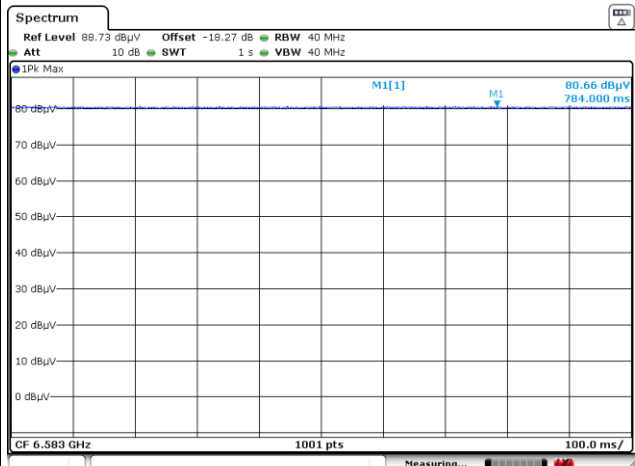
Date: 5.MAR.2024 00:24:24

Mode 11: cidx-12_sts-1_packet length-127

Mode 12: cidx-12_sts-3_packet length-0



Date: 5.MAR.2024 01:14:09



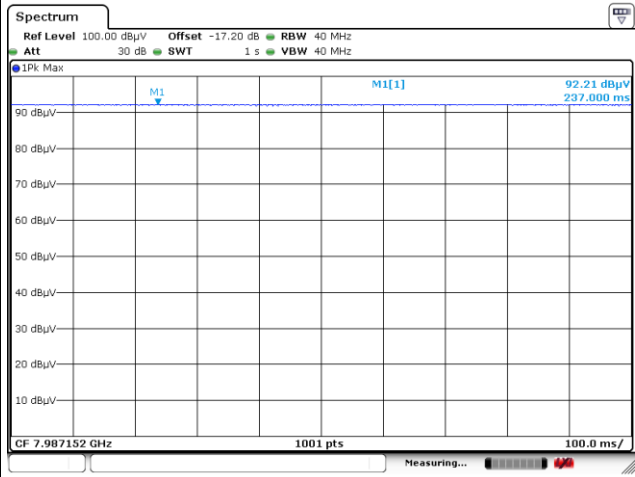
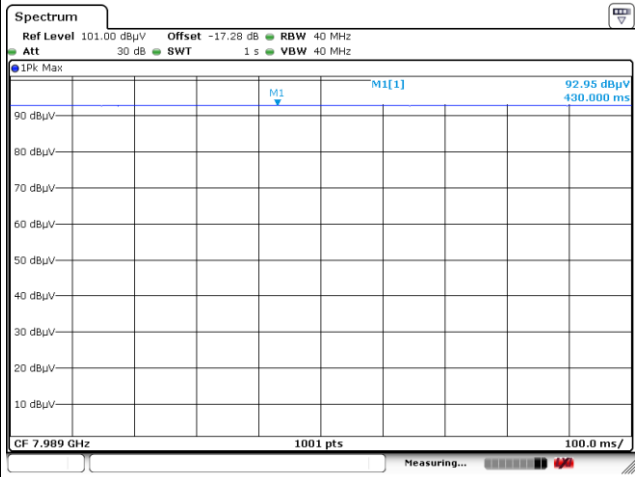
Date: 5.MAR.2024 23:56:40



CH09 Peak Power Measurement Plots

Mode 13: cidx-9_sts-0_packet length-127

Mode 14: cidx-9_sts-1_packet length-127

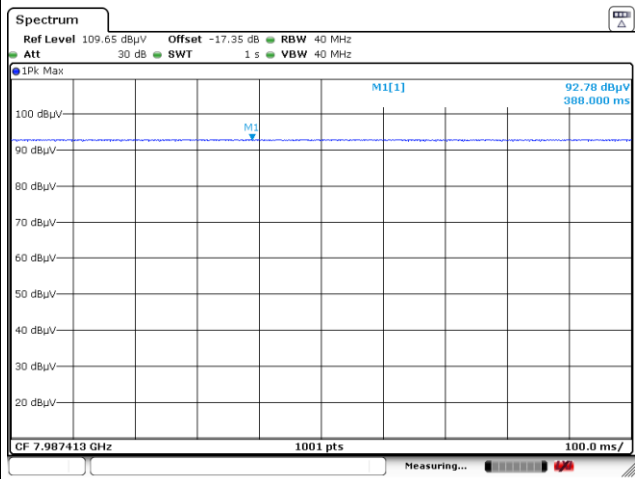
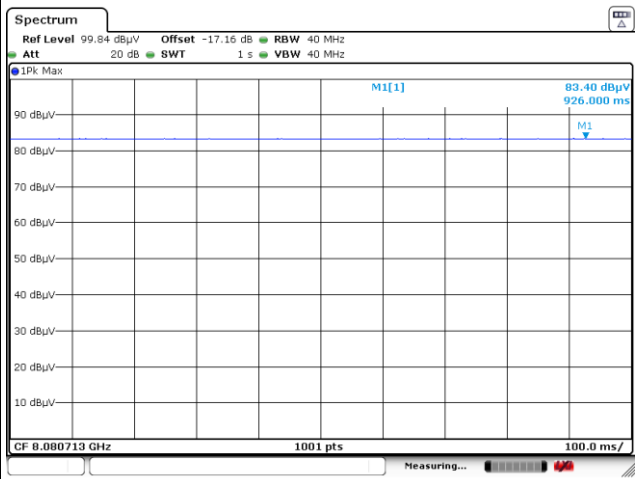


Date: 27.FEB.2024 23:06:43

Date: 27.FEB.2024 23:44:01

Mode 15: cidx-9_sts-3_packet length-0

Mode 16: cidx-10_sts-0_packet length-127



Date: 29.FEB.2024 14:06:05

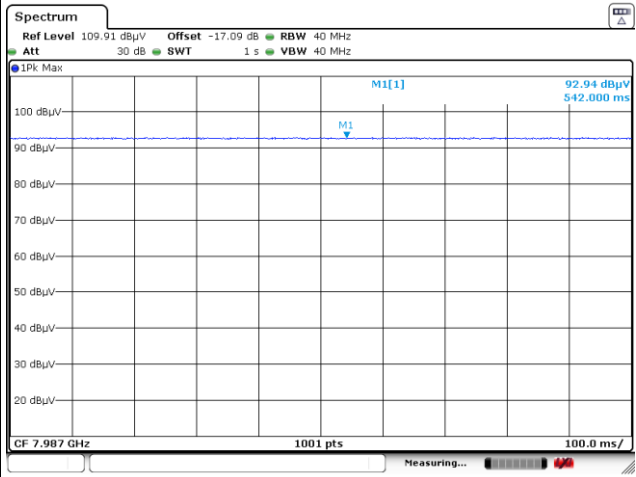
Date: 29.FEB.2024 09:33:45



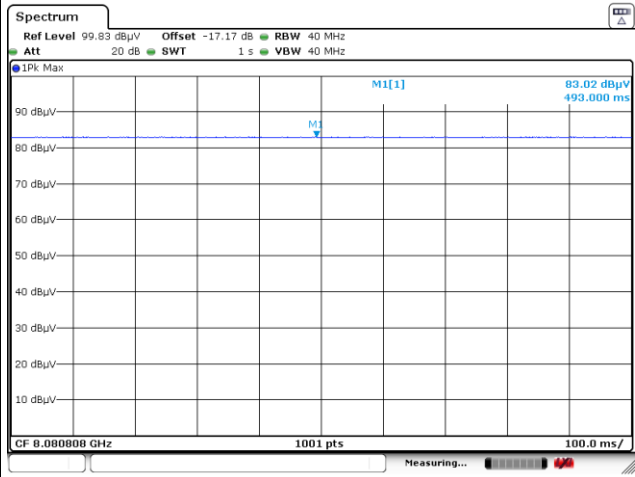
CH09 Peak Power Measurement Plots

Mode 17: cidx-10_sts-1_packet length-127

Mode 18: cidx-10_sts-3_packet length-0



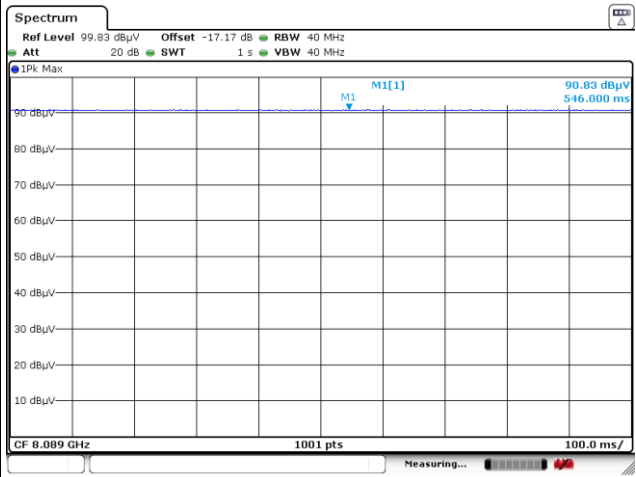
Date: 29.FEB.2024 14:30:07



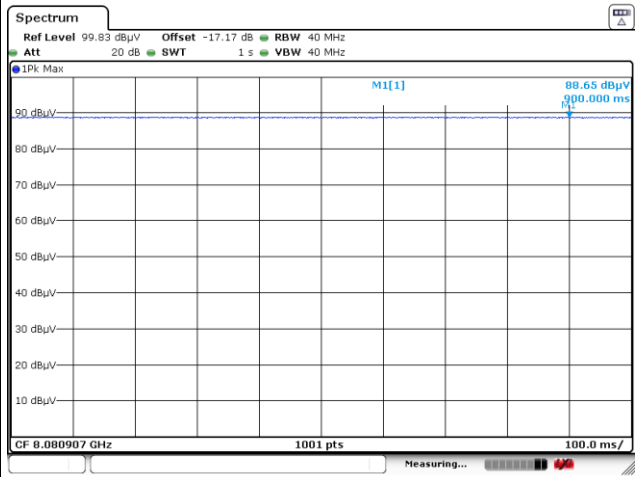
Date: 29.FEB.2024 15:20:18

Mode 19: cidx-11_sts-0_packet length-127

Mode 20: cidx-11_sts-1_packet length-127



Date: 6.MAR.2024 01:59:03



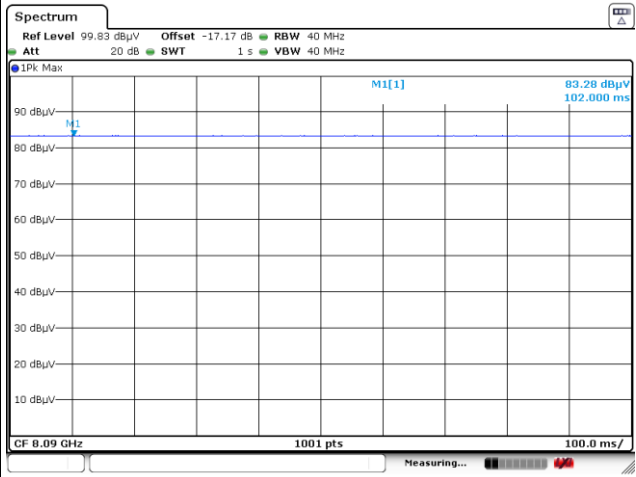
Date: 29.FEB.2024 17:02:32



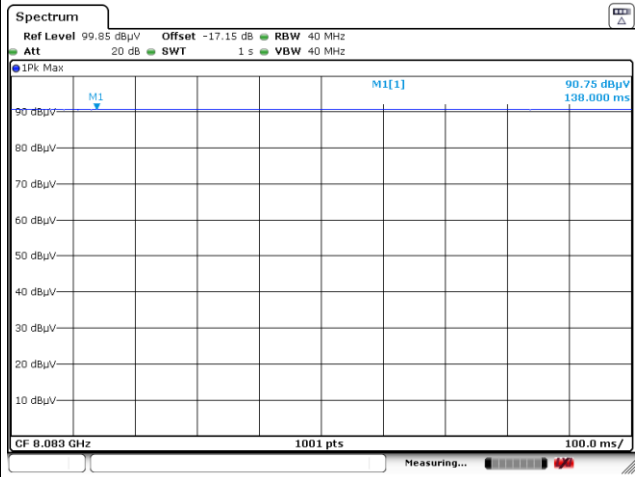
CH09 Peak Power Measurement Plots

Mode 21: cidx-11_sts-3_packet length-0

Mode 22: cidx-12_sts-0_packet length-127



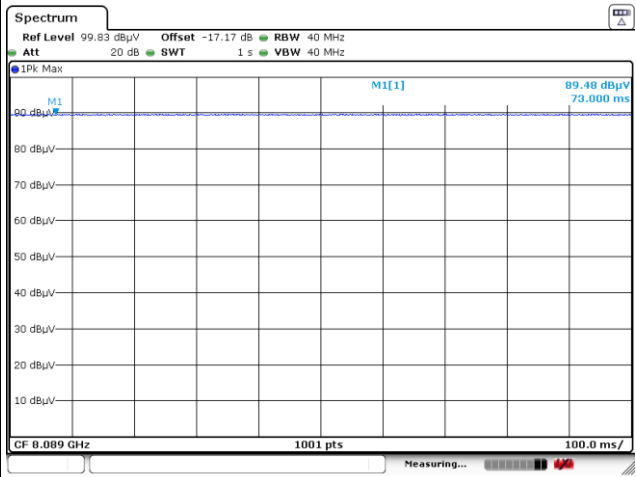
Date: 29.FEB.2024 17:25:06



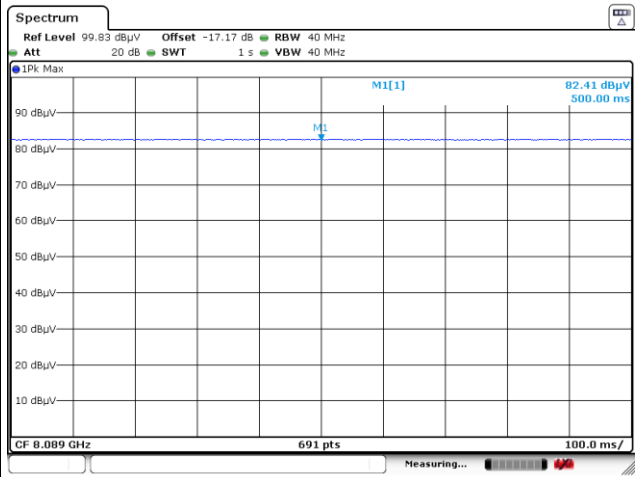
Date: 6.MAR.2024 02:30:28

Mode 23: cidx-12_sts-1_packet length-127

Mode 24: cidx-12_sts-3_packet length-0



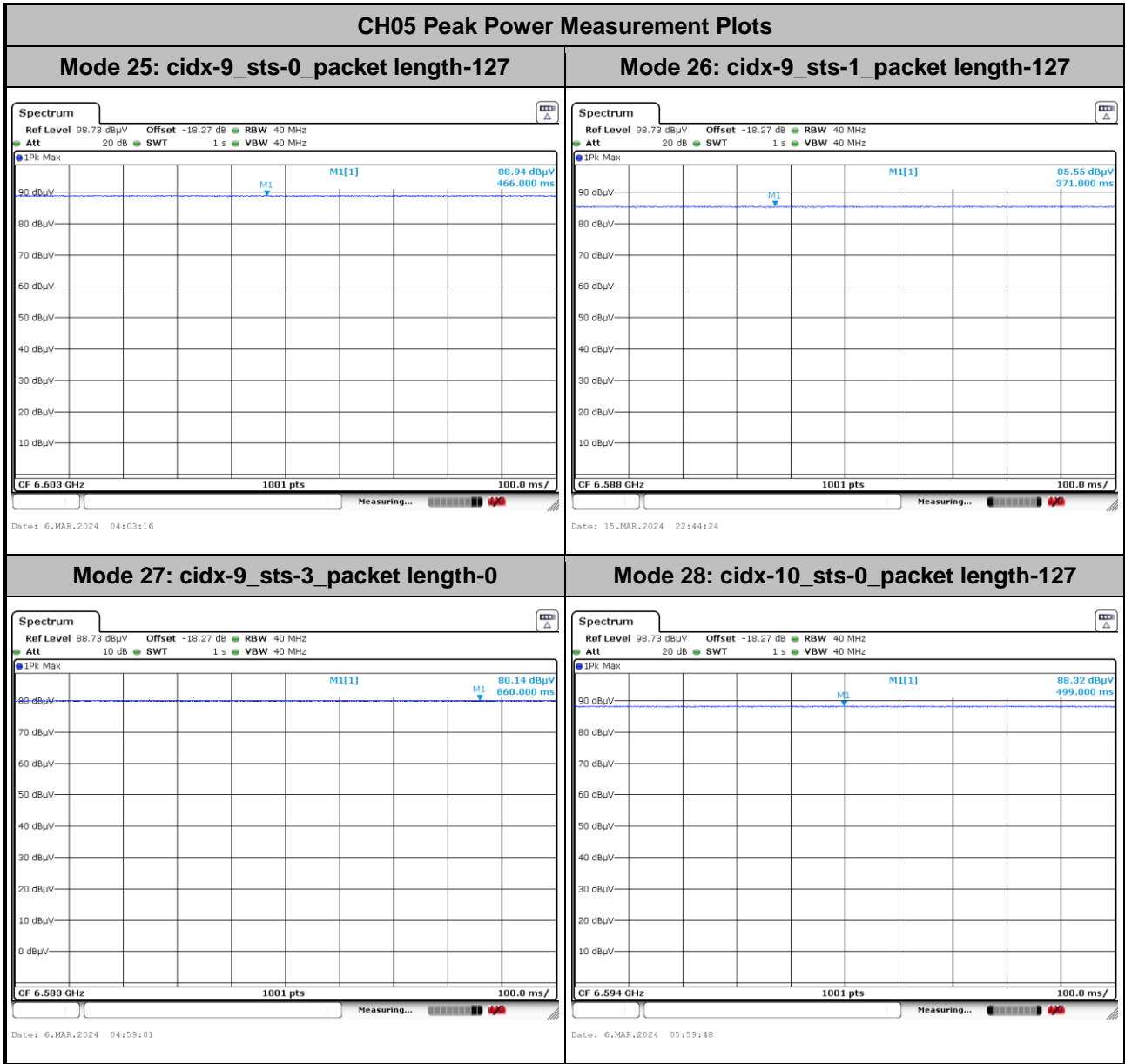
Date: 29.FEB.2024 17:51:32



Date: 29.FEB.2024 19:08:13



<Ant.9>

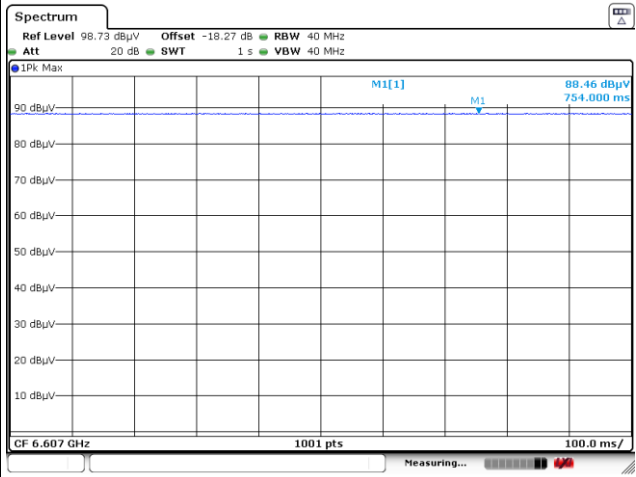




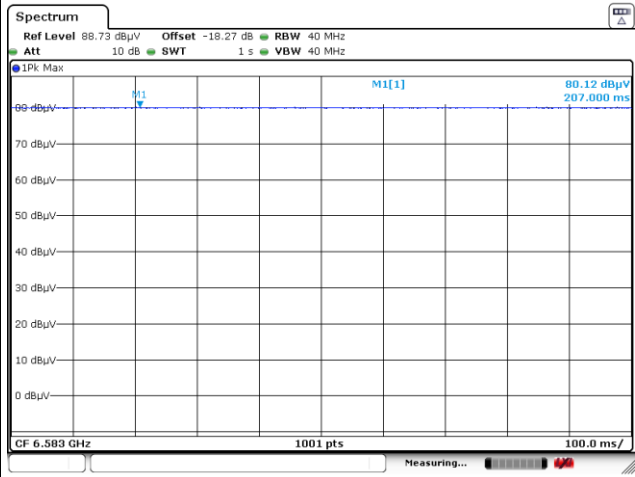
CH05 Peak Power Measurement Plots

Mode 29: cidx-10_sts-1_packet length-127

Mode 30: cidx-10_sts-3_packet length-0



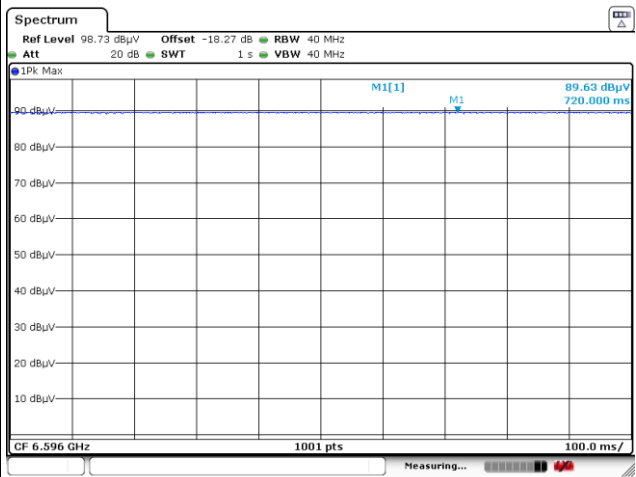
Date: 6.MAR.2024 06:30:46



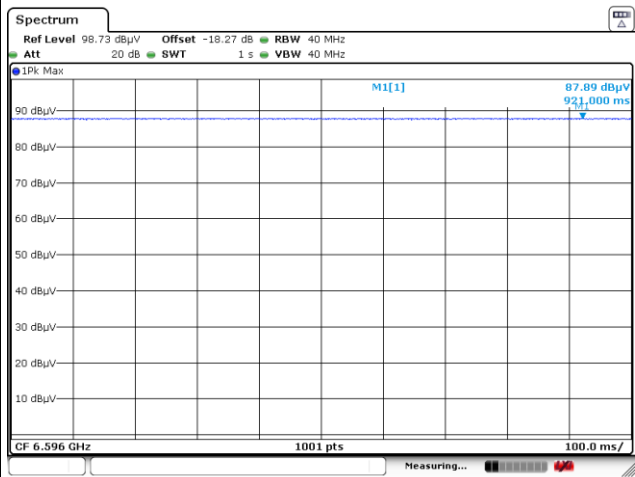
Date: 6.MAR.2024 22:17:47

Mode 31: cidx-11_sts-0_packet length-127

Mode 32: cidx-11_sts-1_packet length-127



Date: 6.MAR.2024 23:30:53



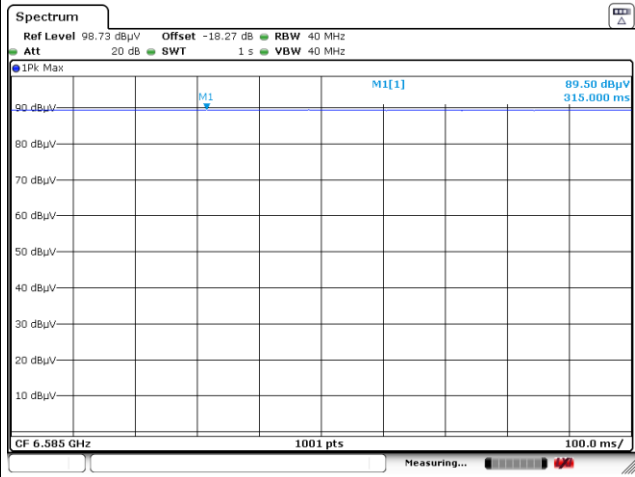
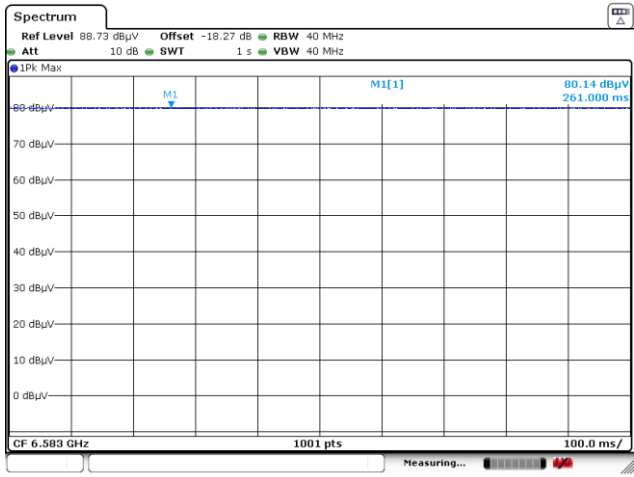
Date: 7.MAR.2024 00:23:14



CH05 Peak Power Measurement Plots

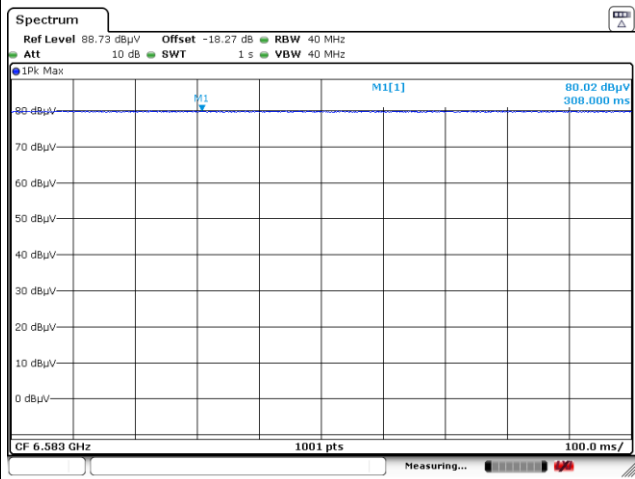
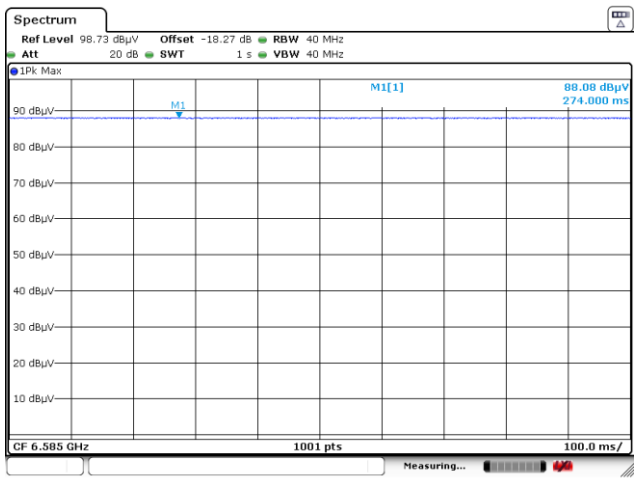
Mode 33: cidx-11_sts-3_packet length-0

Mode 34: cidx-12_sts-0_packet length-127



Mode 35: cidx-12_sts-1_packet length-127

Mode 36: cidx-12_sts-3_packet length-0

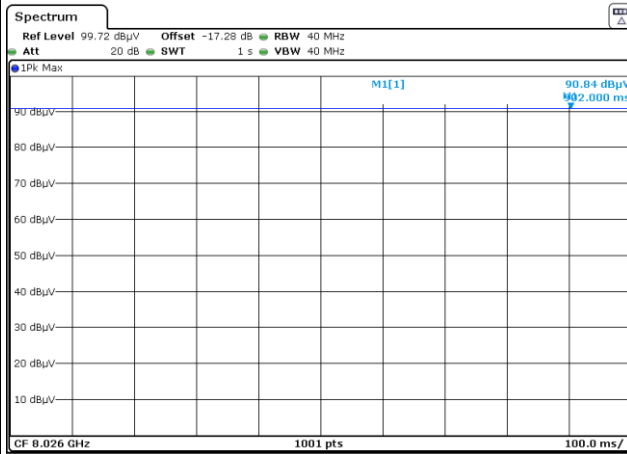




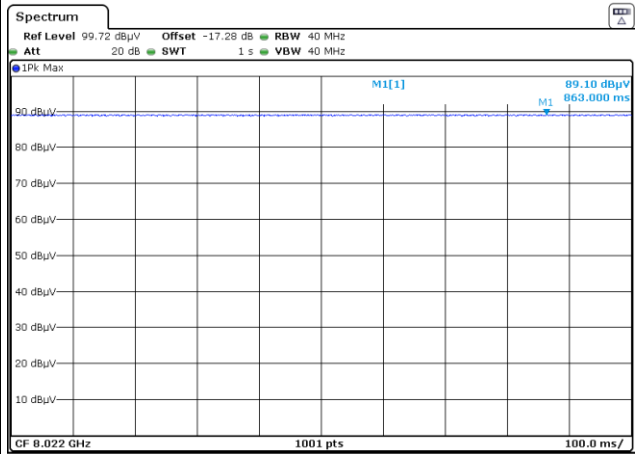
CH09 Peak Power Measurement Plots

Mode 37: cidx-9_sts-0_packet length-127

Mode 38: cidx-9_sts-1_packet length-127



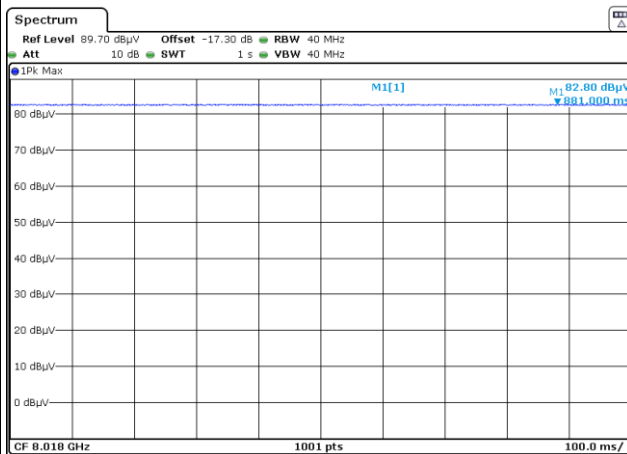
Date: 7.MAR.2024 03:04:25



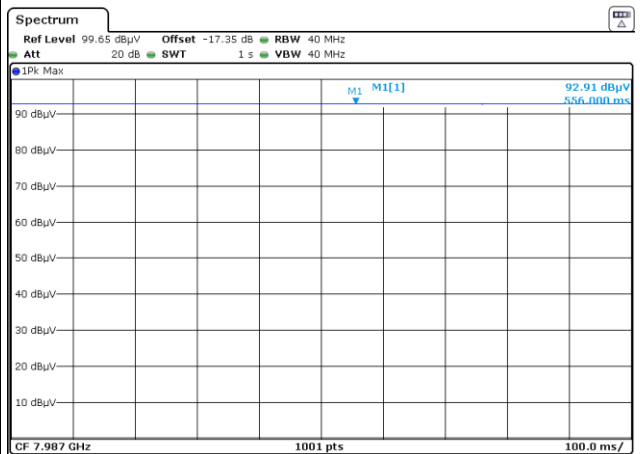
Date: 7.MAR.2024 03:33:21

Mode 39: cidx-9_sts-3_packet length-0

Mode 40: cidx-10_sts-0_packet length-127



Date: 7.MAR.2024 03:59:30



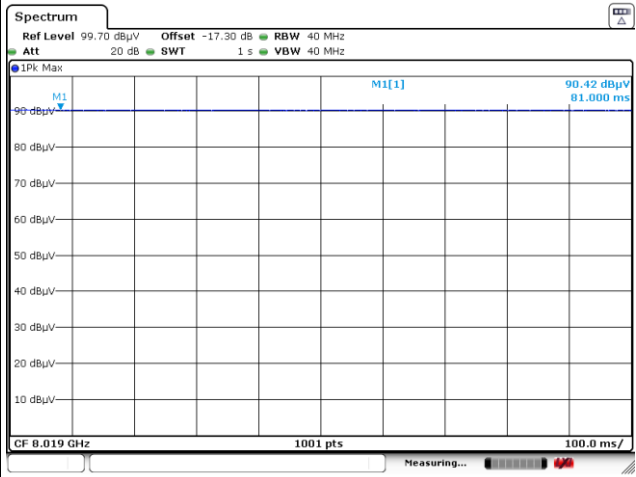
Date: 7.MAR.2024 04:56:04



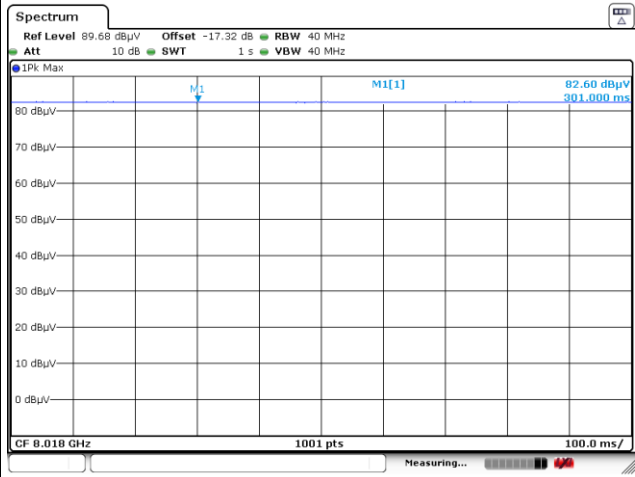
CH09 Peak Power Measurement Plots

Mode 41: cidx-10_sts-1_packet length-127

Mode 42: cidx-10_sts-3_packet length-0



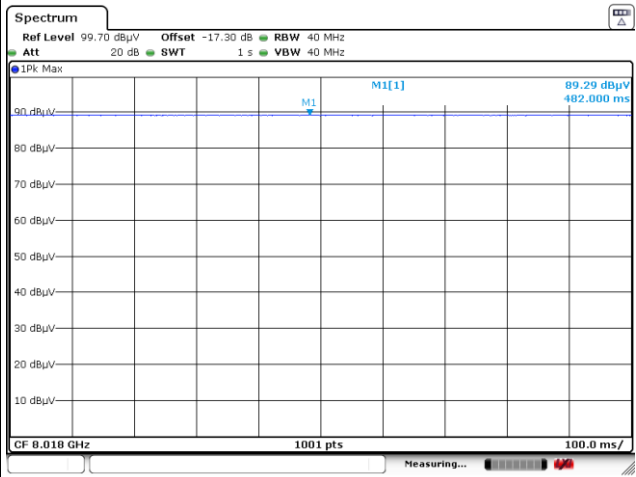
Date: 7.MAR.2024 05:18:15



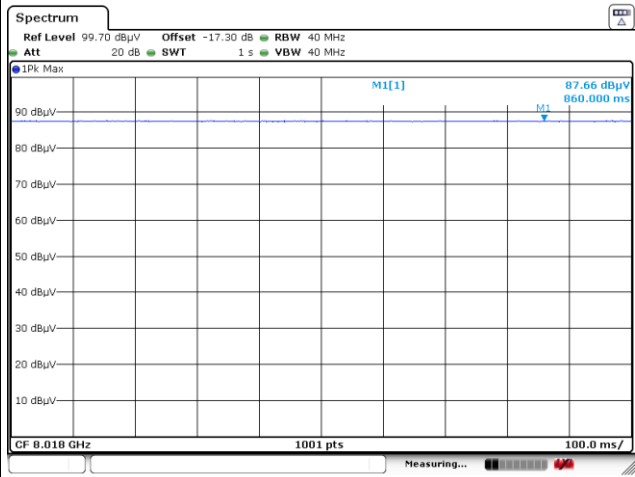
Date: 7.MAR.2024 05:39:34

Mode 43: cidx-11_sts-0_packet length-127

Mode 44: cidx-11_sts-1_packet length-127



Date: 7.MAR.2024 06:13:35



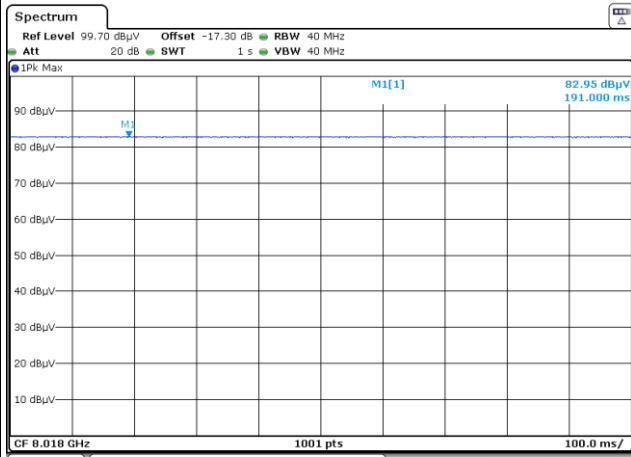
Date: 7.MAR.2024 06:42:38



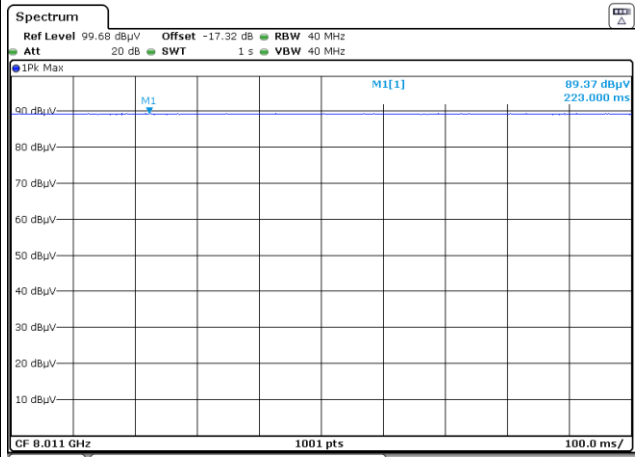
CH09 Peak Power Measurement Plots

Mode 45: cidx-11_sts-3_packet length-0

Mode 46: cidx-12_sts-0_packet length-127



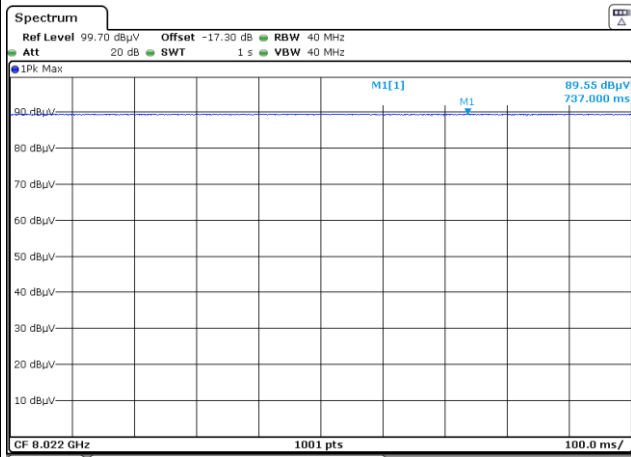
Date: 7.MAR.2024 07:07:29



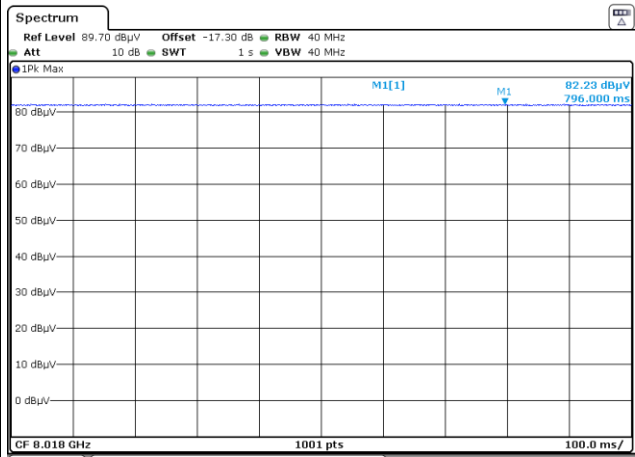
Date: 7.MAR.2024 07:33:02

Mode 47: cidx-12_sts-1_packet length-127

Mode 48: cidx-12_sts-3_packet length-0



Date: 7.MAR.2024 07:53:22



Date: 7.MAR.2024 08:13:02



3.5 Radiated Emissions

3.5.1 Radiated Emissions Limit

Radiated Emissions below 960MHz and Emissions from Digital Circuitry Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Radiated Emissions above 960MHz Limit		
Frequency Range (MHz)	EIRP (dBm)	EIRP (dBuV/m @3m)
960-1610	-75.3	19.93
1610-1990	-63.3	31.93
1990-3100	-61.3	33.93
3100-10600	-41.3	53.93
Above 10600	-61.3	33.93

Radiated Emissions in GPS Bands Limit		
Frequency Range (MHz)	EIRP (dBm)	EIRP (dBuV/m @3m)
1164-1240	-85.3	9.33
1559-1610	-85.3	9.93

Note: $E \text{ (dBuV/m)} = \text{EIRP (dBm)} + 95.23$, example, $E \text{ (dBuV/m)} = -85.3 + 95.23 = 9.93 \text{ dBuV/m}$.



3.5.2 Measuring Instruments

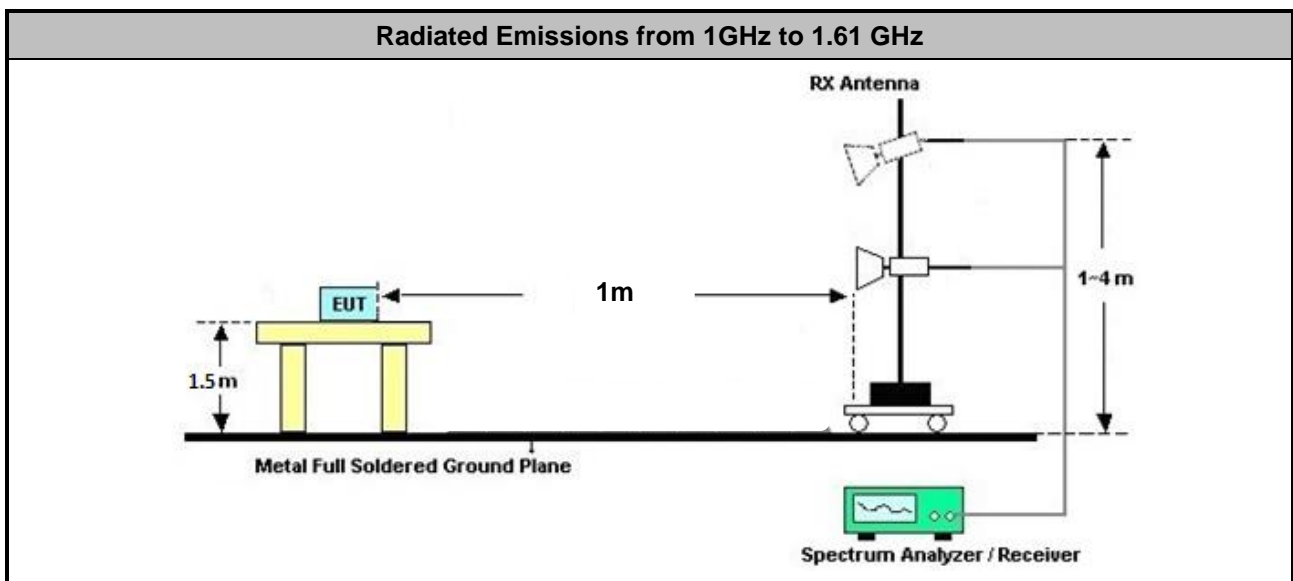
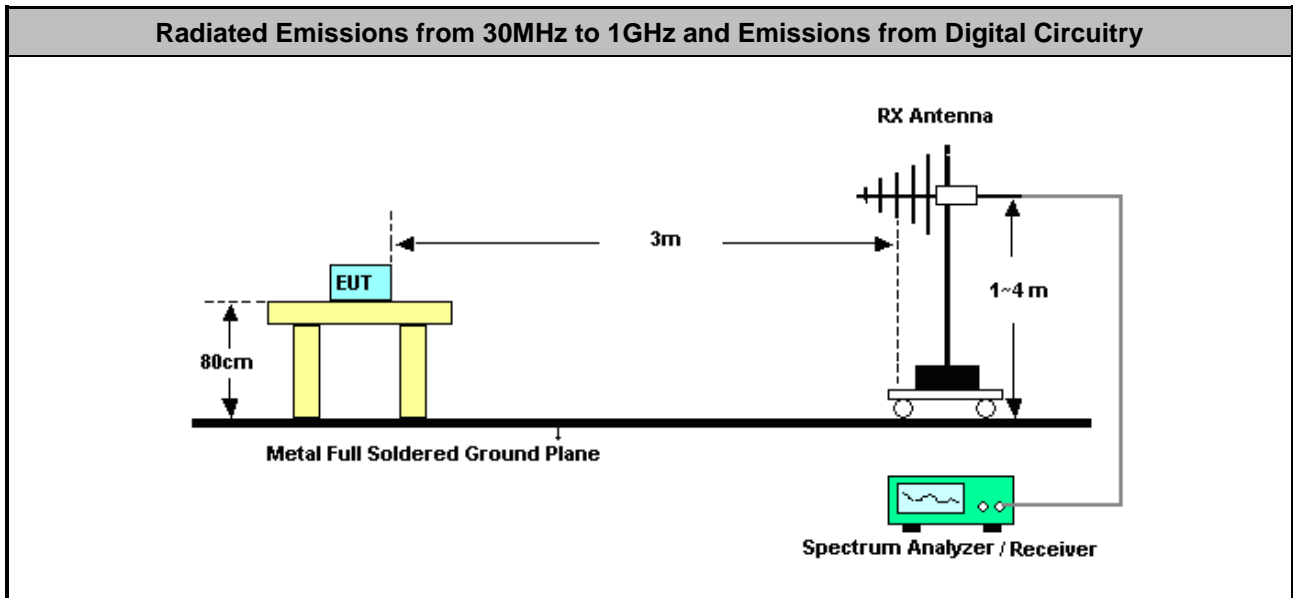
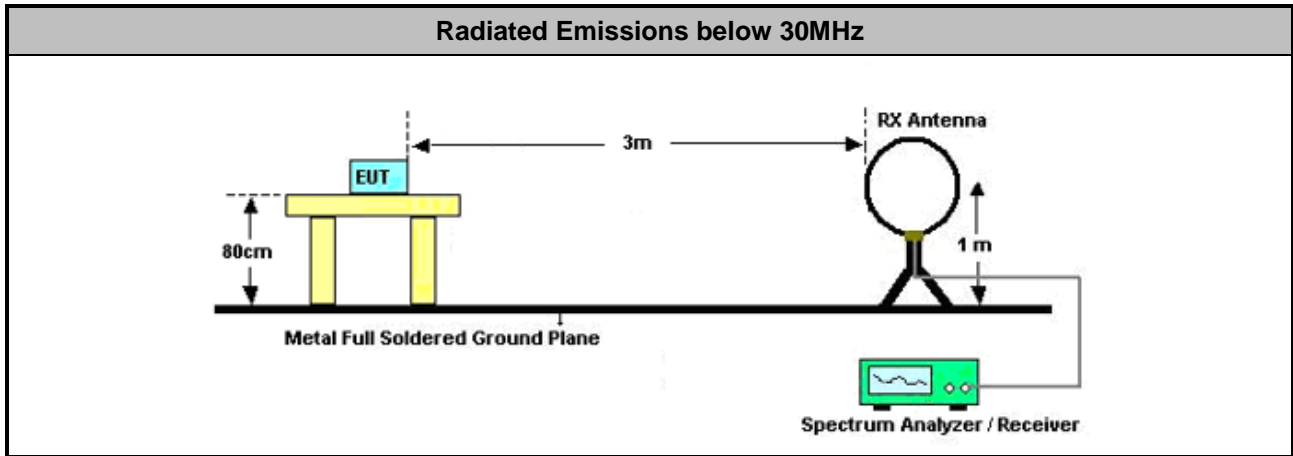
Refer a test equipment and calibration data table in this test report.

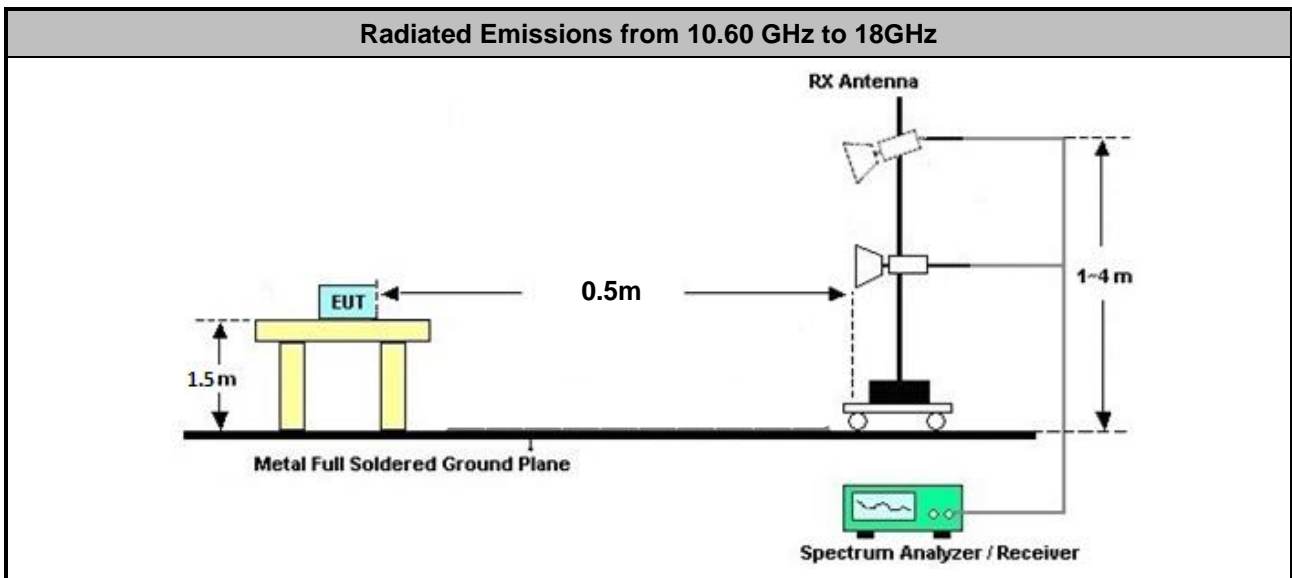
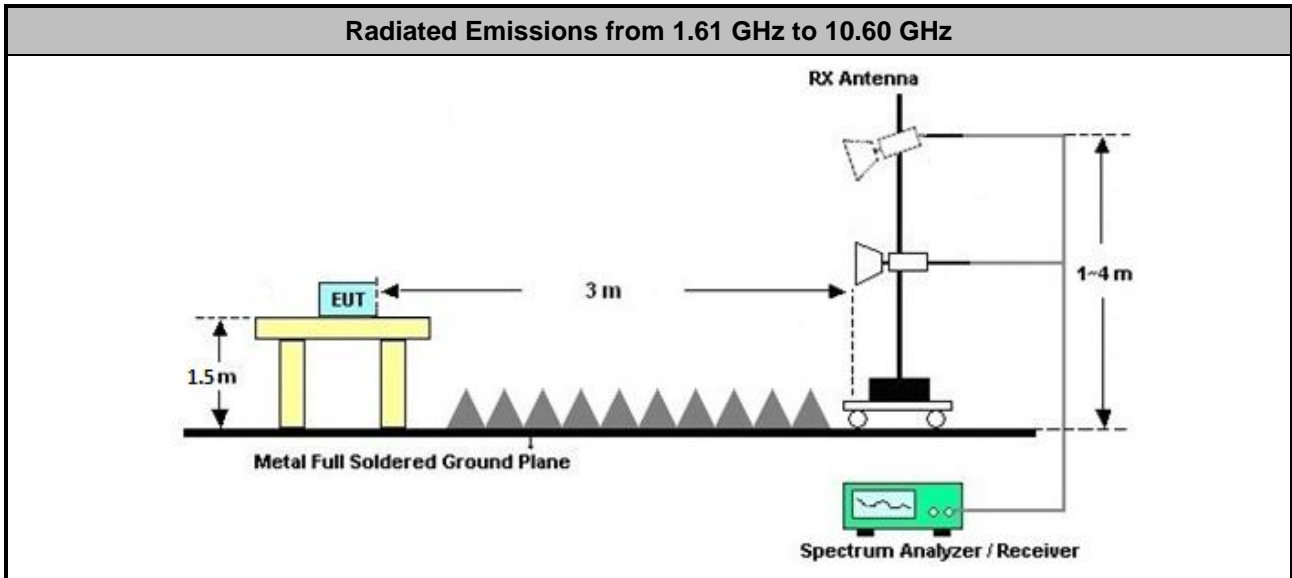
3.5.3 Test Procedures

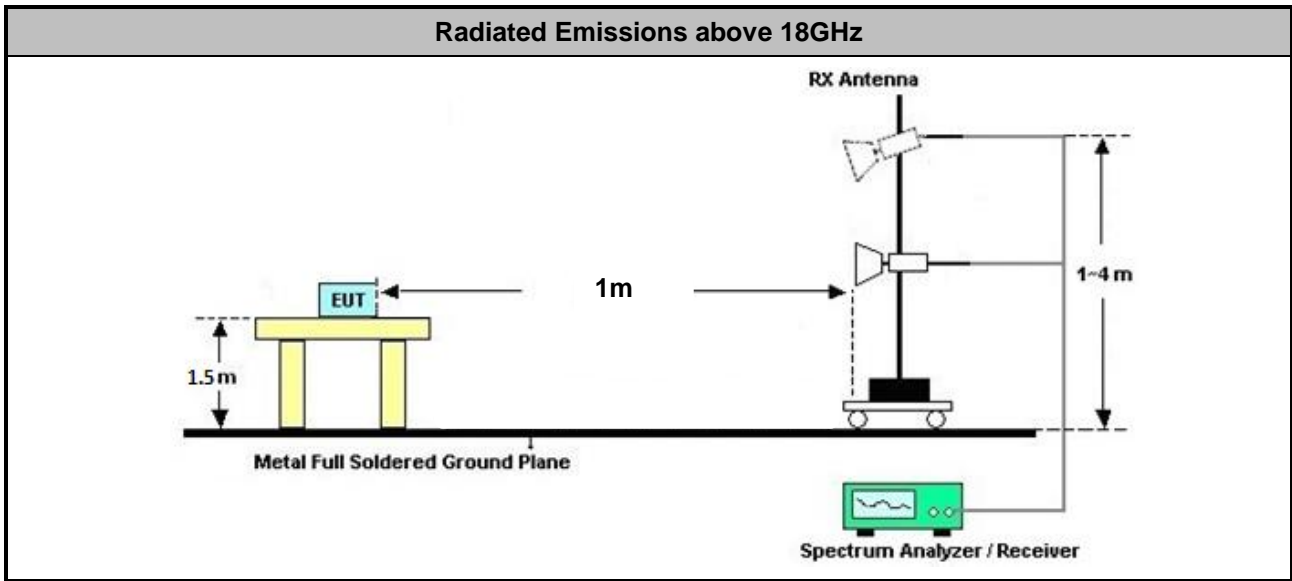
Test Method for Radiated Emissions above 960MHz	
<input checked="" type="checkbox"/>	Radiated Emissions above 960MHz
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m. In some cases, it may be necessary to measure the radiated UWB emissions at a closer distance to obtain enough signal and margin to overcome the measurement system noise floor. Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.4 for rms detector procedure testing.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.7 for evaluating AVG-PSD (RBW=1MHz).
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.10 for evaluating AVG-PSD in GPS Band (RBW≥1kHz).
<input checked="" type="checkbox"/>	For radiated measurement.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.8 following eirp can be used radiated test configuration.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 10.3.9 following eirp can be directly determined using the field strength.

Test Method for Radiated Emissions below 960MHz and Emissions from Digital Circuitry	
<input checked="" type="checkbox"/>	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements) for above 30MHz-960MHz; 40dB/decade for frequency below 30MHz.
<input checked="" type="checkbox"/>	For the transmitter unwanted emissions shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4 Detector functions and selection of bandwidth
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from 20log (dwell time/100 ms). Average emission = peak emission + 20 log (duty cycle).
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<input checked="" type="checkbox"/>	For radiated measurement.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
<input checked="" type="checkbox"/>	If the noise floor can't meet the limit, the test distance will be shorten and described in the report.
<input checked="" type="checkbox"/>	Any unwanted emissions level shall not exceed the fundamental emission level.

3.5.4 Test Setup







Note 1: Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.
 Note 2: If test distance other than 3m is used, the used test distance will be recorded in test result.

3.5.5 Radiated Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

There is adequate comparison measurement of both open-field test site and alternative test site -semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



3.5.6 Radiated Emissions (Fundamental)

<Ant.7>

Test mode	Frequency (MHz)	Emission Level (dBuV/m)	Emission Limit (dBm/MHz)	Emission Limit (dBuV/m)	Margin (dB)	Result	Pol (H/V)
1	6592	53.5	-41.3	53.9	-0.4	Pass	H
2	6592	53.4	-41.3	53.9	-0.5	Pass	H
3	6592	53.19	-41.3	53.9	-0.71	Pass	H
4	6592	53.09	-41.3	53.9	-0.81	Pass	H
5	6592	53.47	-41.3	53.9	-0.43	Pass	H
6	6592	53.33	-41.3	53.9	-0.57	Pass	H
7	6592	53.6	-41.3	53.9	-0.3	Pass	H
8	6386	53.26	-41.3	53.9	-0.64	Pass	H
9	6386.96	53.29	-41.3	53.9	-0.61	Pass	H
10	6592	53.23	-41.3	53.9	-0.67	Pass	H
11	6421	53.25	-41.3	53.9	-0.65	Pass	H
12	6592	53.36	-41.3	53.9	-0.54	Pass	H
13	8026	52.82	-41.3	53.9	-1.08	Pass	H
14	8089	53.06	-41.3	53.9	-0.84	Pass	H
15	8094	53.29	-41.3	53.9	-0.61	Pass	H
16	7987	51.88	-41.3	53.9	-2.02	Pass	H
17	8120	52.23	-41.3	53.9	-1.67	Pass	H
18	8089	53.24	-41.3	53.9	-0.66	Pass	H
19	8089	53.62	-41.3	53.9	-0.28	Pass	H
20	8089	53.26	-41.3	53.9	-0.64	Pass	H
21	8090	53.27	-41.3	53.9	-0.63	Pass	H
22	8097	53.29	-41.3	53.9	-0.61	Pass	H
23	8089	53.21	-41.3	53.9	-0.69	Pass	H
24	8089	53.26	-41.3	53.9	-0.64	Pass	H

Note: E (dBuV/m) Limit= EIRP (dBm) Lmit + 95.2 = -41.3 + 95.2 = 53.9 dBuV/m.



<Ant.9>

Test mode	Frequency (MHz)	Emission Level (dBuV/m)	Emission Limit (dBm/MHz)	Emission Limit (dBuV/m)	Margin (dB)	Result	Pol (H/V)
25	6592	53.52	-41.3	53.9	-0.38	Pass	H
26	6592	52.8	-41.3	53.9	-1.1	Pass	H
27	6592	53.5	-41.3	53.9	-0.4	Pass	H
28	6592	53.5	-41.3	53.9	-0.4	Pass	H
29	6592	53.22	-41.3	53.9	-0.68	Pass	H
30	6592	53.37	-41.3	53.9	-0.53	Pass	H
31	6592	53.66	-41.3	53.9	-0.24	Pass	H
32	6592	53.41	-41.3	53.9	-0.49	Pass	H
33	6592	53.25	-41.3	53.9	-0.65	Pass	H
34	6592	53.26	-41.3	53.9	-0.64	Pass	H
35	6592	53.5	-41.3	53.9	-0.4	Pass	H
36	6592	53.38	-41.3	53.9	-0.52	Pass	H
37	8026	53.37	-41.3	53.9	-0.53	Pass	H
38	8026	53.19	-41.3	53.9	-0.71	Pass	H
39	8016	53.41	-41.3	53.9	-0.49	Pass	H
40	7987	53.34	-41.3	53.9	-0.56	Pass	H
41	8019	53.51	-41.3	53.9	-0.39	Pass	H
42	8010	53.39	-41.3	53.9	-0.51	Pass	H
43	8018	53.15	-41.3	53.9	-0.75	Pass	H
44	8018	53.11	-41.3	53.9	-0.79	Pass	H
45	8017	53.68	-41.3	53.9	-0.22	Pass	H
46	8008	53.29	-41.3	53.9	-0.61	Pass	H
47	8022	53.42	-41.3	53.9	-0.48	Pass	H
48	8017	53.49	-41.3	53.9	-0.41	Pass	H

Note: E (dBuV/m) Limit= EIRP (dBm) Lmit + 95.2 = -41.3 + 95.2 = 53.9 dBuV/m.



<Ant.7>

CH05 Radiated Emissions (Fundamental)																																																																																															
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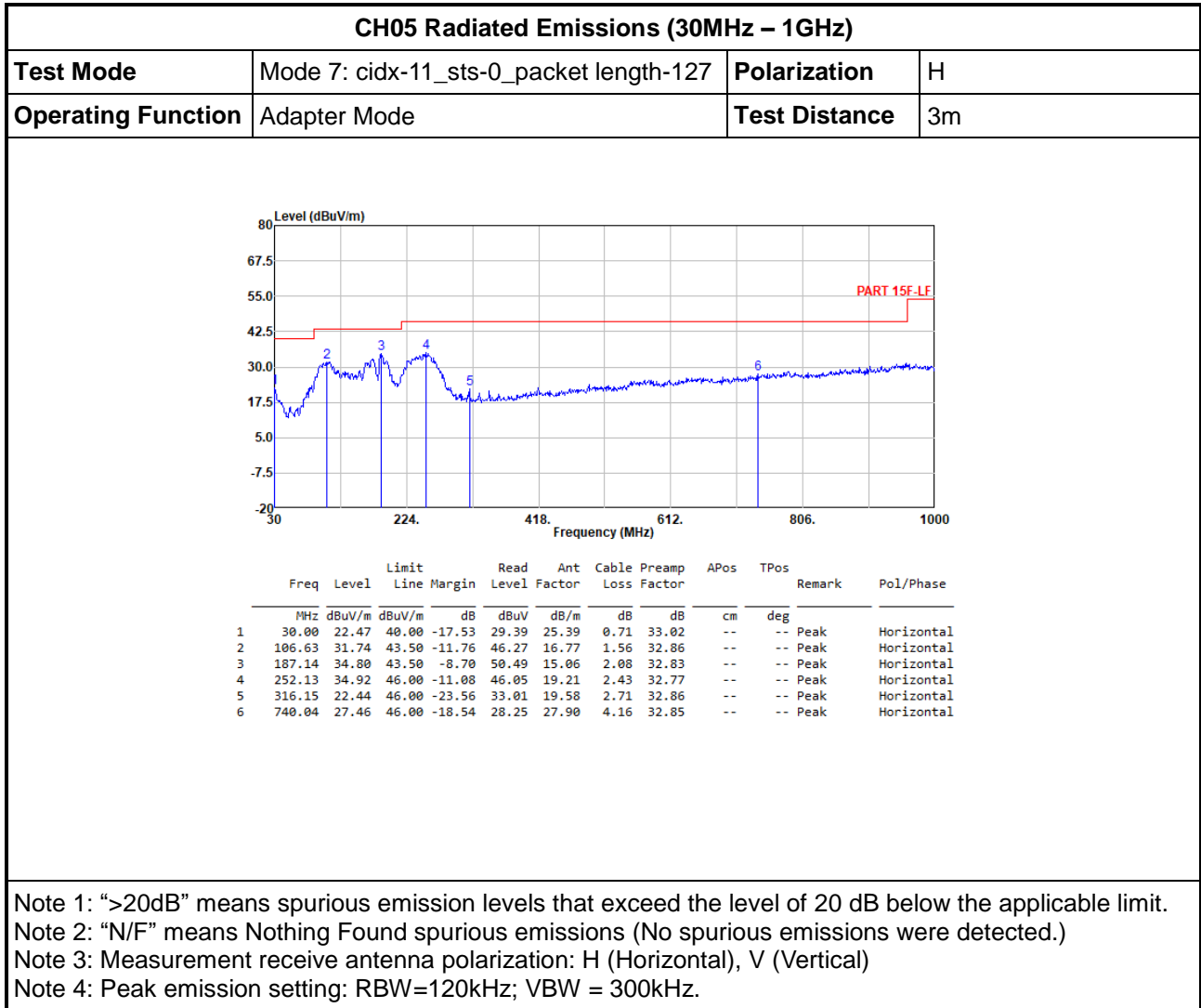


CH09 Radiated Emissions (Fundamental)																																																																	
Operating Function		Adapter Mode				Polarization		H																																																									
Mode 45: cidx-11_sts-3_packet length-0		Mode 46: cidx-12_sts-0_packet length-127		Mode 47: cidx-12_sts-1_packet length-127		Mode 48: cidx-12_sts-3_packet length-0		Test Distance		3m																																																							
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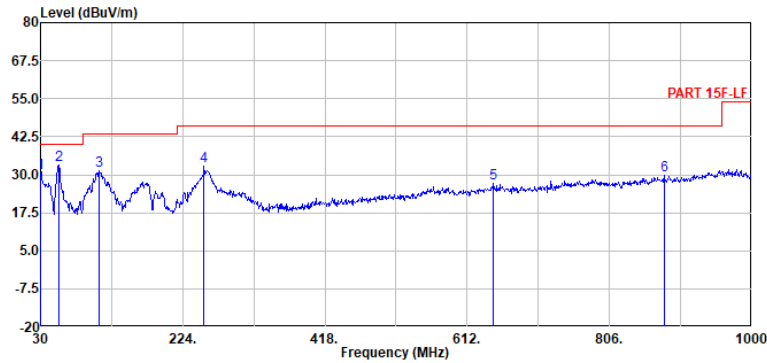
3.5.7 Radiated Emissions (30MHz – 1GHz)

<Ant.7>





CH05 Radiated Emissions (30MHz – 1GHz)			
Test Mode	Mode 7: cidx-11_sts-0_packet length-127	Polarization	V
Operating Function	Adapter Mode	Test Distance	3m



	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m		dB	dBuV	dB/m	dB	dB	cm	deg		
1	30.00	30.70	40.00		-9.30	37.62	25.39	0.71	33.02	--	--	Peak	Vertical
2	55.22	33.21	40.00		-6.79	52.60	12.42	1.11	32.92	--	--	Peak	Vertical
3	109.54	31.34	43.50		-12.16	45.60	17.02	1.58	32.86	--	--	Peak	Vertical
4	253.10	32.74	46.00		-13.26	43.72	19.36	2.43	32.77	--	--	Peak	Vertical
5	647.89	27.08	46.00		-18.92	29.49	26.66	3.88	32.95	--	--	Peak	Vertical
6	880.69	29.72	46.00		-16.28	27.92	29.29	4.54	32.03	--	--	Peak	Vertical

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Peak emission setting: RBW=120kHz; VBW = 300kHz.



CH09 Radiated Emissions (30MHz – 1GHz)																																																																																																																			
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Operating Function	Adapter Mode	Test Distance	3m																																																																																																																
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	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Pol/Phase																																																																																																						
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6	745.86	29.26	46.00	-16.74	29.94	28.01	4.18	32.87	--	--	--	Peak	Horizontal																																																																																																						
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CH09 Radiated Emissions (30MHz – 1GHz)																																																																																																																			
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Operating Function	Adapter Mode	Test Distance	3m																																																																																																																
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<Ant.9>

CH05 Radiated Emissions (30MHz – 1GHz)													
Test Mode	Mode 31: cidx-11_sts-0_packet length-127						Polarization	H					
Operating Function	Adapter Mode						Test Distance	3m					
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	cm	deg		
1	30.00	22.36	40.00	-17.64	29.09	25.39	0.71	32.83	--	--	Peak	Horizontal	
2	106.63	31.93	43.50	-11.57	46.48	16.77	1.56	32.88	--	--	Peak	Horizontal	
3	186.17	35.04	43.50	-8.46	50.85	15.07	2.07	32.95	--	--	Peak	Horizontal	
4	244.37	34.74	46.00	-11.26	47.18	18.05	2.39	32.88	--	--	Peak	Horizontal	
5	647.89	25.93	46.00	-20.07	28.57	26.66	3.88	33.18	--	--	Peak	Horizontal	
6	938.89	30.97	46.00	-15.03	27.42	30.49	4.68	31.62	--	--	Peak	Horizontal	

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Peak emission setting: RBW=120kHz; VBW = 300kHz.



CH05 Radiated Emissions (30MHz – 1GHz)																																																																																																																																	
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Operating Function	Adapter Mode	Test Distance	3m																																																																																																																														
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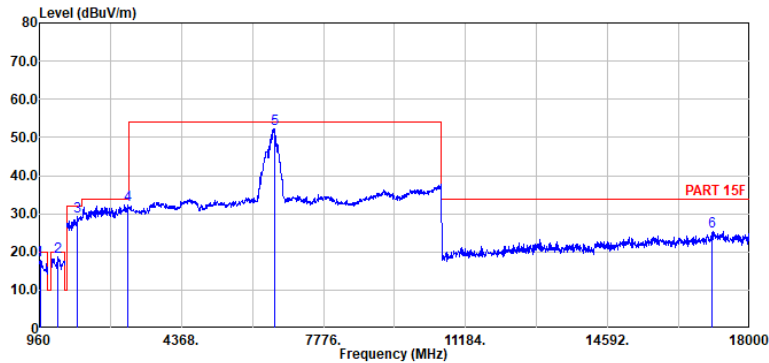
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3.5.8 Radiated Emissions (960MHz – 18GHz)

<Ant.7>

CH05 Radiated Emissions (960MHz – 18GHz)			
Test Mode	Mode 7: cidx-11_sts-0_packet length-127	Polarization	H
Operating Function	Adapter Mode		
Test Distance	960 ~1164 MHz: 0.5m 1164 ~ 1610 MHz: 1m 1610 ~ 10600 MHz: 3m 10600 ~ 18000 MHz: 0.5m		



	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	974.28	17.70	19.93	-2.23	65.22	28.57	4.55	65.08	-15.56	--	--	Average	Horizontal
2	1410.03	18.60	19.93	-1.33	59.46	28.42	5.46	65.20	-9.54	100	186	Average	Horizontal
3	1867.77	29.30	31.93	-2.63	57.78	30.50	6.27	65.25	0.00	--	--	Average	Horizontal
4	3086.59	32.35	33.93	-1.58	56.26	33.41	8.13	65.45	0.00	100	279	Average	Horizontal
5	6595.00	52.30	53.93	-1.63	70.47	35.50	12.09	65.76	0.00	--	--	Average	Horizontal
6	17104.60	25.45	33.93	-8.48	43.83	41.28	20.07	64.17	-15.56	--	--	Average	Horizontal

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.
 Note 6: #5 is fundamental signal.
 Note 7:

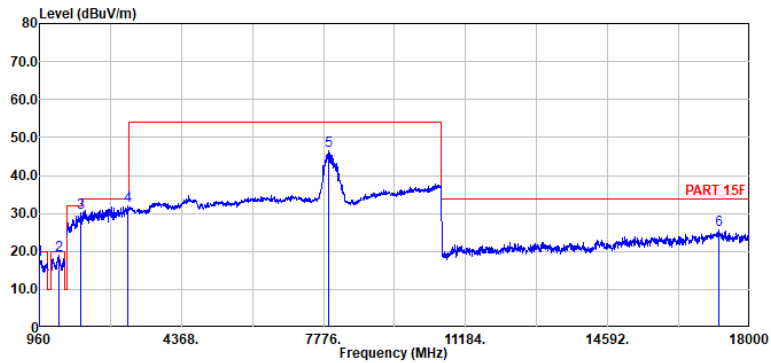
- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (0.5m/3m) = -15.56 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m)



CH05 Radiated Emissions (960MHz – 18GHz)																																																																																																																											
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CH09 Radiated Emissions (960MHz – 18GHz)			
Test Mode	Mode 19: cidx-11_sts-0_packet length-127	Polarization	H
Operating Function	Adapter Mode		
Test Distance	960 ~1164 MHz: 0.5m 1164 ~ 1610 MHz: 1m 1610 ~ 10600 MHz: 3m 10600 ~ 18000 MHz: 0.5m		



	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	961.43	17.89	19.93	-2.04	65.50	28.51	4.53	65.09	-15.56	--	--	--	Average	Horizontal
2	1418.96	18.89	19.93	-1.04	59.81	28.35	5.48	65.21	-9.54	100	248	--	Average	Horizontal
3	1954.19	30.28	31.93	-1.65	57.84	31.30	6.42	65.28	0.00	144	128	--	Average	Horizontal
4	3080.63	32.08	33.93	-1.85	56.04	33.36	8.12	65.44	0.00	177	167	--	Average	Horizontal
5	7907.50	46.39	53.93	-7.54	63.99	36.10	13.28	66.98	0.00	--	--	--	Average	Horizontal
6	17245.20	25.71	33.93	-8.22	44.16	41.25	20.16	64.30	-15.56	--	--	--	Average	Horizontal

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.
 Note 6: #5 is fundamental signal.
 Note 7:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (0.5m/3m) = -15.56 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m)



CH09 Radiated Emissions (960MHz – 18GHz)																																																																																																																					
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<Ant.9>

CH05 Radiated Emissions (960MHz – 18GHz)																																																																																																																			
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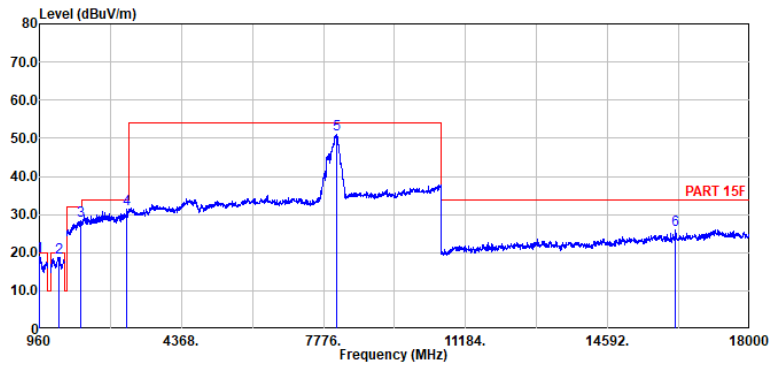
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CH09 Radiated Emissions (960MHz – 18GHz)			
Test Mode	Mode 45: cidx-11_sts-3_packet length-0	Polarization	H
Operating Function	Adapter Mode		
Test Distance	960 ~1164 MHz: 0.5m 1164 ~ 1610 MHz: 1m 1610 ~ 10600 MHz: 3m 10600 ~ 18000 MHz: 0.5m		



	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		
1	962.86	18.92	19.93	-1.01	66.53	28.51	4.53	65.09	-15.56	100	111	Average	Horizontal	
2	1417.68	18.69	19.93	-1.24	59.61	28.36	5.47	65.21	-9.54	100	356	Average	Horizontal	
3	1940.78	28.26	31.93	-3.67	56.01	31.13	6.40	65.28	0.00	100	348	Average	Horizontal	
4	3058.28	31.25	33.93	-2.68	55.38	33.21	8.09	65.43	0.00	100	348	Average	Horizontal	
5	8102.50	51.01	53.93	-2.92	68.88	36.21	13.46	67.54	0.00	100	112	Average	Horizontal	
6	16224.00	25.97	33.93	-7.96	45.39	40.68	19.49	64.03	-15.56	--	--	Average	Horizontal	

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.
 Note 6: #5 is fundamental signal.
 Note 7:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (0.5m/3m) = -15.56 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBUV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBUV/m)



CH09 Radiated Emissions (960MHz – 18GHz)																																																																																																																												
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3.5.9 Radiated Emissions (1164MHz – 1240MHz)

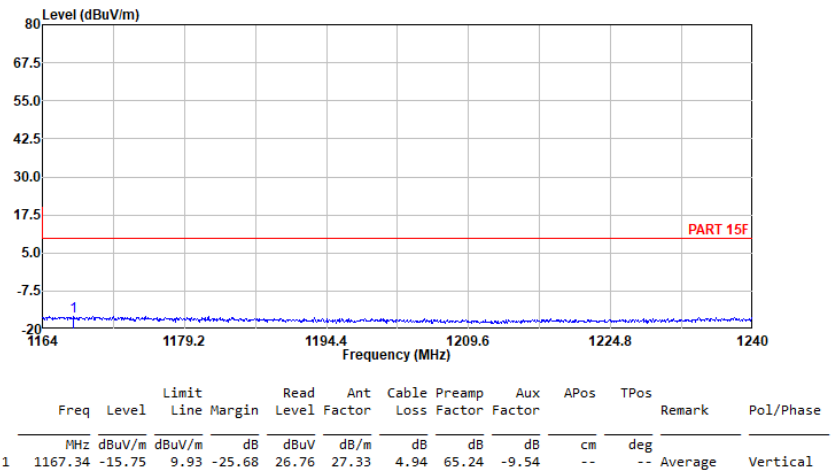
<Ant.7>

CH05 Radiated Emissions (1164MHz – 1240MHz)																																																						
Test Mode	Mode 7: cidx-11_sts-0_packet length-127						Polarization	H																																														
Operating Function	Adapter Mode					Test Distance	1m																																															
<table border="1"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line Margin</th> <th>Read Level</th> <th>Ant Factor</th> <th>Cable Loss</th> <th>Preamp Factor</th> <th>Aux Factor</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1169.17</td> <td>-15.65</td> <td>9.93</td> <td>-25.58</td> <td>26.84</td> <td>27.34</td> <td>4.95</td> <td>65.24</td> <td>-9.54</td> <td>--</td> <td>--</td> <td>Average</td> <td>Horizontal</td> </tr> </tbody> </table>														Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg			1	1169.17	-15.65	9.93	-25.58	26.84	27.34	4.95	65.24	-9.54	--	--	Average	Horizontal
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CH05 Radiated Emissions (1164MHz – 1240MHz)

Test Mode	Mode 7: cidx-11_sts-0_packet length-127	Polarization	V
Operating Function	Adapter Mode	Test Distance	1m



Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
 Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (1m/3m) = -9.54 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBUV/m)



CH09 Radiated Emissions (1164MHz – 1240MHz)																																																						
Test Mode	Mode 19: cidx-11_sts-0_packet length-127						Polarization	H																																														
Operating Function	Adapter Mode						Test Distance	1m																																														
<p>The graph displays the radiated emission levels across the frequency range of 1164 MHz to 1240 MHz. The y-axis represents the level in dBuV/m, ranging from -20 to 80. A red horizontal line at 17.5 dBuV/m indicates the Part 15F limit. The blue signal line remains consistently below this limit, with a peak level of approximately -15.69 dBuV/m at 1168.26 MHz.</p>																																																						
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	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																									
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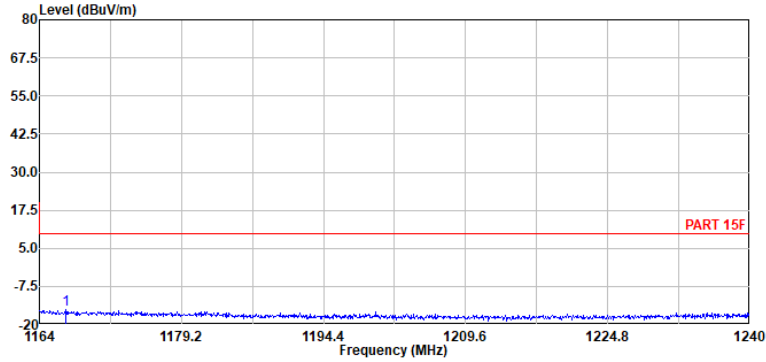


CH09 Radiated Emissions (1164MHz – 1240MHz)																																																						
Test Mode	Mode 19: cidx-11_sts-0_packet length-127							Polarization	V																																													
Operating Function	Adapter Mode						Test Distance	1m																																														
<div style="text-align: center;"> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line Margin</th> <th>Read Level</th> <th>Ant Factor</th> <th>Cable Loss</th> <th>Preamp Factor</th> <th>Aux Factor</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1165.52</td> <td>-15.48</td> <td>9.93</td> <td>-25.41</td> <td>27.03</td> <td>27.33</td> <td>4.94</td> <td>65.24</td> <td>-9.54</td> <td>--</td> <td>--</td> <td>Average</td> <td>Vertical</td> </tr> </tbody> </table>														Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg			1	1165.52	-15.48	9.93	-25.41	27.03	27.33	4.94	65.24	-9.54	--	--	Average	Vertical
	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																									
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																											
1	1165.52	-15.48	9.93	-25.41	27.03	27.33	4.94	65.24	-9.54	--	--	Average	Vertical																																									
<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical) Note 4: Average emission setting: RBW=1kHz; VBW=3kHz. Note 5:</p> <ul style="list-style-type: none"> Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (dB) Example: Distance extrapolation factor = $20 \log(1\text{m}/3\text{m}) = -9.54$ (dB) Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m) 																																																						



<Ant.9>

CH05 Radiated Emissions (1164MHz – 1240MHz)			
Test Mode	Mode 31: cidx-11_sts-0_packet length-127	Polarization	H
Operating Function	Adapter Mode	Test Distance	1m



1	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	1166.81	-15.25	9.93	-25.18	27.26	27.33	4.94	65.24	-9.54	--	--	Average	Horizontal

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.

Note 5:

- Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (dB)
Example: Distance extrapolation factor = $20 \log(1\text{m}/3\text{m}) = -9.54$ (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m)



CH05 Radiated Emissions (1164MHz – 1240MHz)																																																						
Test Mode	Mode 31: cidx-11_sts-0_packet length-127						Polarization	V																																														
Operating Function	Adapter Mode						Test Distance	1m																																														
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	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																									
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																											
1	1166.89	-15.73	9.93	-25.66	26.78	27.33	4.94	65.24	-9.54	--	--	Average	Vertical																																									
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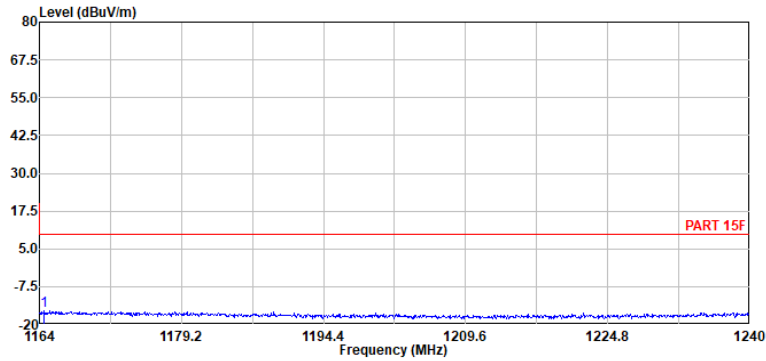


CH09 Radiated Emissions (1164MHz – 1240MHz)																																																						
Test Mode	Mode 45: cidx-11_sts-3_packet length-0					Polarization	H																																															
Operating Function	Adapter Mode					Test Distance	1m																																															
<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>1</th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line Margin</th> <th>Read Level</th> <th>Ant Factor</th> <th>Cable Loss</th> <th>Preamp Factor</th> <th>Aux Factor</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1168.64</td> <td>-15.74</td> <td>9.93</td> <td>-25.67</td> <td>26.69</td> <td>27.34</td> <td>4.95</td> <td>65.18</td> <td>-9.54</td> <td>100</td> <td>163</td> <td>Average</td> <td>Horizontal</td> </tr> </tbody> </table>													1	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg			1	1168.64	-15.74	9.93	-25.67	26.69	27.34	4.95	65.18	-9.54	100	163	Average	Horizontal
1	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																									
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																											
1	1168.64	-15.74	9.93	-25.67	26.69	27.34	4.95	65.18	-9.54	100	163	Average	Horizontal																																									
<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical) Note 4: Average emission setting: RBW=1kHz; VBW=3kHz. Note 5:</p> <ul style="list-style-type: none"> • Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB) Example: Distance extrapolation factor = 20log (1m/3m) = -9.54 (dB) • Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m) 																																																						



CH09 Radiated Emissions (1164MHz – 1240MHz)

Test Mode	Mode 45: cidx-11_sts-3_packet length-0	Polarization	V
Operating Function	Adapter Mode	Test Distance	1m



	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	1164.53	-15.57	9.93	-25.50	26.88	27.33	4.94	65.18	-9.54	--	--	Average	Vertical

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.

Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (1m/3m) = -9.54 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m)



3.5.10 Radiated Emissions (1559MHz – 1610MHz)

<Ant.7>

CH05 Radiated Emissions (1559MHz – 1610MHz)																																																						
Test Mode	Mode 7: cidx-11_sts-0_packet length-127						Polarization	H																																														
Operating Function	Adapter Mode						Test Distance	1m																																														
<table border="1"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th colspan="2">Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1609.69</td> <td>-14.44</td> <td>9.93</td> <td>-24.37</td> <td>26.18</td> <td>28.53</td> <td>5.81</td> <td>65.42</td> <td>-9.54</td> <td>--</td> <td>--</td> <td>Average</td> <td>Horizontal</td> </tr> </tbody> </table>														Freq	Level	Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg			1	1609.69	-14.44	9.93	-24.37	26.18	28.53	5.81	65.42	-9.54	--	--	Average	Horizontal
	Freq	Level	Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																									
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																											
1	1609.69	-14.44	9.93	-24.37	26.18	28.53	5.81	65.42	-9.54	--	--	Average	Horizontal																																									
<p>Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical) Note 4: Average emission setting: RBW=1kHz; VBW=3kHz. Note 5:</p> <ul style="list-style-type: none"> Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (dB) Example: Distance extrapolation factor = $20 \log(1\text{m}/3\text{m}) = -9.54$ (dB) Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m) 																																																						



CH05 Radiated Emissions (1559MHz – 1610MHz)																																																					
Test Mode	Mode 7: cidx-11_sts-0_packet length-127					Polarization	V																																														
Operating Function	Adapter Mode					Test Distance	1m																																														
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	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																								
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																										
1	1560.02	-13.01	9.93	-22.94	27.99	28.18	5.73	65.37	-9.54	--	--	Average	Vertical																																								
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CH09 Radiated Emissions (1559MHz – 1610MHz)																																																						
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	Freq	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																									
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																											
1	1560.02	-11.97	9.93	-21.90	29.03	28.18	5.73	65.37	-9.54	--	--	Average	Horizontal																																									
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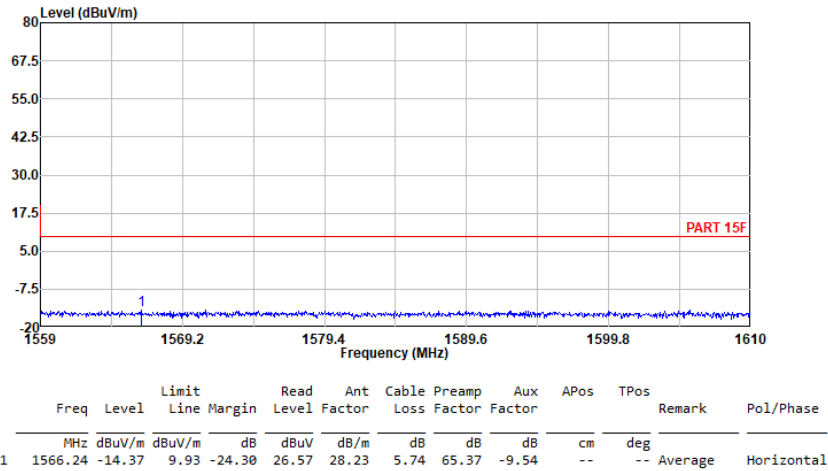
CH09 Radiated Emissions (1559MHz – 1610MHz)																																																						
Test Mode	Mode 19: cidx-11_sts-0_packet length-127						Polarization	V																																														
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<Ant.9>

CH05 Radiated Emissions (1559MHz – 1610MHz)

Test Mode	Mode 31: cidx-11_sts-0_packet length-127	Polarization	H
Operating Function	Adapter Mode	Test Distance	1m



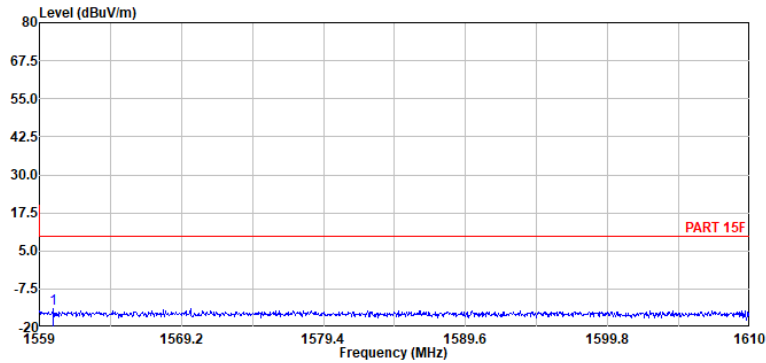
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 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
 Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (1m/3m) = -9.54 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBUV/m)



CH05 Radiated Emissions (1559MHz – 1610MHz)

Test Mode	Mode 31: cidx-11_sts-0_packet length-127	Polarization	V
Operating Function	Adapter Mode	Test Distance	1m



1	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	1560.02	-13.86	9.93	-23.79	27.14	28.18	5.73	65.37	-9.54	--	--	Average	Vertical

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
 Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (1m/3m) = -9.54 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m)



CH09 Radiated Emissions (1559MHz – 1610MHz)																																																							
Test Mode	Mode 45: cidx-11_sts-3_packet length-0					Polarization	H																																																
Operating Function	Adapter Mode					Test Distance	1m																																																
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	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																									
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																											
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CH09 Radiated Emissions (1559MHz – 1610MHz)																																																						
Test Mode	Mode 45: cidx-11_sts-3_packet length-0							Polarization	V																																													
Operating Function	Adapter Mode							Test Distance	1m																																													
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	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																									
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3.5.11 Radiated Emissions (18GHz – 40GHz)

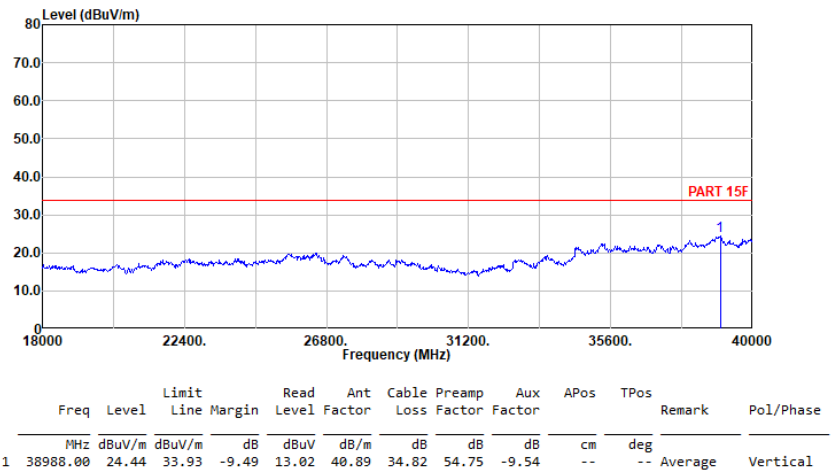
<Ant.7>

CH05 Radiated Emissions (18GHz – 40GHz)																																																						
Test Mode	Mode 7: cidx-11_sts-0_packet length-127						Polarization			H																																												
Operating Function	Adapter Mode						Test Distance			1m																																												
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1	Freq	Level	Limit	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																									
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CH05 Radiated Emissions (18GHz – 40GHz)

Test Mode	Mode 7: cidx-11_sts-0_packet length-127	Polarization	V
Operating Function	Adapter Mode	Test Distance	1m



Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.
 Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
Example: Distance extrapolation factor = 20log (1m/3m) = -9.54 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBUV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBUV/m)



CH09 Radiated Emissions (18GHz – 40GHz)																																																			
Test Mode	Mode 19: cidx-11_sts-0_packet length-127						Polarization	H																																											
Operating Function	Adapter Mode						Test Distance	1m																																											
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Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																							
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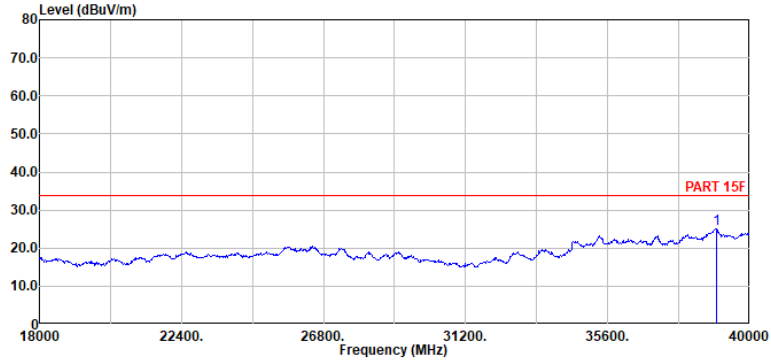


CH09 Radiated Emissions (18GHz – 40GHz)																																																			
Test Mode	Mode 19: cidx-11_sts-0_packet length-127							Polarization	V																																										
Operating Function	Adapter Mode						Test Distance	1m																																											
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Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																									
1 38922.00	24.58	33.93	-9.35	13.31	40.85	34.74	54.78	-9.54	--	--	Average	Vertical																																							
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<Ant.9>

CH05 Radiated Emissions (18GHz – 40GHz)			
Test Mode	Mode 31: cidx-11_sts-0_packet length-127	Polarization	H
Operating Function	Adapter Mode	Test Distance	1m



Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1 38966.00	25.05	33.93	-8.88	13.67	40.88	34.80	54.76	-9.54	--	--	Average	Horizontal

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.

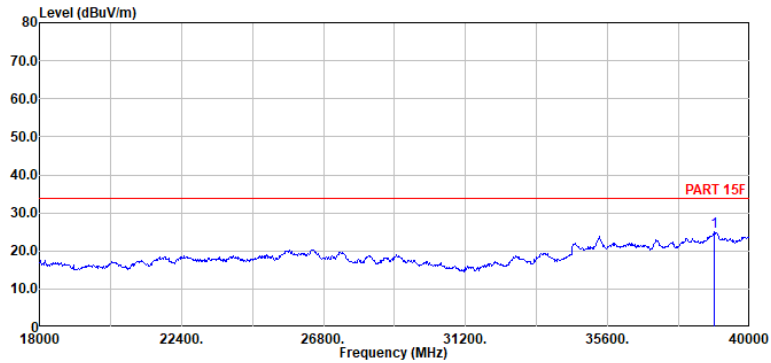
Note 5:

- Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (dB)
Example: Distance extrapolation factor = $20 \log(1\text{m}/3\text{m}) = -9.54$ (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBUV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBUV/m)



CH05 Radiated Emissions (18GHz – 40GHz)

Test Mode	Mode 31: cidx-11_sts-0_packet length-127	Polarization	V
Operating Function	Adapter Mode	Test Distance	1m



Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1 38900.00	24.98	33.93	-8.95	13.76	40.83	34.72	54.79	-9.54	--	--	Average	Vertical

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.

Note 5:

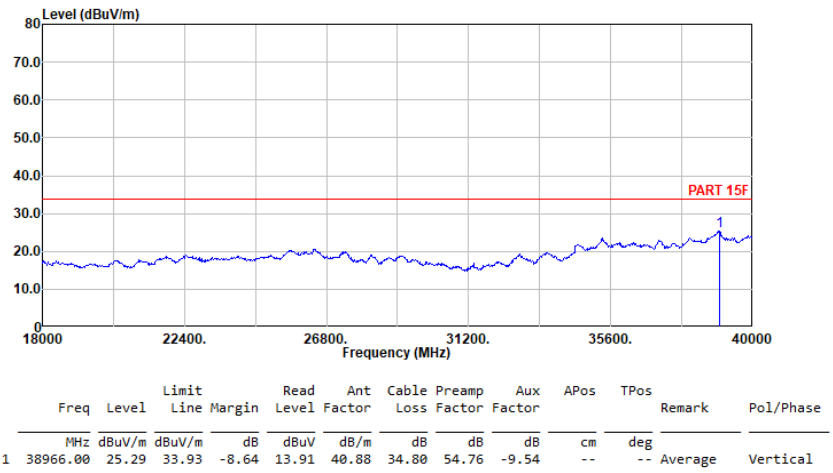
- Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (dB)
Example: Distance extrapolation factor = $20 \log(1\text{m}/3\text{m}) = -9.54$ (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBUV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBUV/m)



CH09 Radiated Emissions (18GHz – 40GHz)																																																		
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Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	Pol/Phase																																						
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CH09 Radiated Emissions (18GHz – 40GHz)			
Test Mode	Mode 45: cidx-11_sts-3_packet length-0	Polarization	V
Operating Function	Adapter Mode	Test Distance	1m



Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.

Note 5:

- Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (dB)
Example: Distance extrapolation factor = $20 \log(1\text{m}/3\text{m}) = -9.54$ (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Distance Factor (Aux Factor) (dB) = Level (dBuV/m)



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 16, 2023	Mar. 12, 2024	May 15, 2024	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 11, 2023	Mar. 12, 2024	Oct. 10, 2024	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 16, 2023	Mar. 12, 2024	May 15, 2024	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000 0811	AC 0V~300V, 45Hz~1000Hz	Oct. 11, 2023	Mar. 12, 2024	Oct. 10, 2024	Conduction (CO01-KS)
EMI Test Receiver	Keysight	N9038A	MY564000 04	3Hz~8.5GHz;M ax 30dBm	Oct. 10, 2023	Mar. 26, 2024	Oct. 09, 2024	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY574710 84	10Hz~44GHz;M ax 30dB	Jul. 12, 2023	Mar. 26, 2024	Jul. 11, 2024	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 10, 2023	Mar. 26, 2024	Oct. 09, 2024	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Apr. 09, 2023	Mar. 26, 2024	Apr. 08, 2024	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218642	1GHz~18GHz	Apr. 06, 2023	Mar. 26, 2024	Apr. 05, 2024	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101093	18GHz~40GHz	Jan. 05, 2024	Mar. 26, 2024	Jan. 04, 2025	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 06, 2023	Mar. 26, 2024	Jul. 05, 2024	Radiation (03CH05-KS)
Amplifier	EM	EM18G40GA	060852	18~40GHz	Jan. 05, 2024	Mar. 26, 2024	Jan. 04, 2025	Radiation (03CH05-KS)
high gain Amplifier	EM	EM01G18GA	060839	1Ghz-18Ghz	Oct. 10, 2023	Mar. 26, 2024	Oct. 09, 2024	Radiation (03CH05-KS)
Amplifier	EM	EM01G18GA	060833	1Ghz-18Ghz	Jan. 03, 2024	Mar. 26, 2024	Jan. 02, 2025	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F1040900 04	N/A	NCR	Mar. 26, 2024	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Mar. 26, 2024	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Mar. 26, 2024	NCR	Radiation (03CH05-KS)

NCR: No Calibration Required.



5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.84 dB
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Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.3 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.28 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.88 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.26 dB
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