FCC RF Test Report

APPLICANT	:	**Pollux technologies, Inc**
EQUIPMENT	:	**Motion detect Radar module**
BRAND NAME	:	**Pollux**
MODEL NAME	:	**PR1512**
FCC ID	:	**2BDXTPR1512**
STANDARD	:	**FCC Part 15 Subpart C §15.245**
CLASSIFICATION	:	**(FDS) Part 15 Field Disturbance Sensor**
TEST DATE(S)	:	**Dec. 26, 2023 ~ Jan. 04, 2024**

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in 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. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR3D0106	Rev. 01	Initial issue of report	Jan. 11, 2024

SUMMARY OF TEST RESULT

Part	FCC Rule	Description of Test	Result	Remark
-	15.207	AC Power Line Conducted Emissions	Not Applicable	Battery powered only
3.1	15.215(c)	20dB & 99% Occupied Bandwidth	Complies	-
3.2	15.245(b)	Field Strength of Fundamental Emissions	Complies	Max level 98.01 dBμV/m at 5800.71 MHz
3.2	15.245 &15.209 &15.205	Radiated Spurious Emissions	Complies	Under limit 1.42 dB at 11577.10 MHz
3.3	15.203	Antenna Requirements	Complies	-

Remark: Not Applicable means after assessing, test items are not necessary to carry out.

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

Pollux technologies, Inc

Unit06,16F，ZhuhaiTower，No.1663,YinWan Road,Wanzai,XiangZhou Disttric,Zhuhai,China

1.2 Manufacturer

Haoweida technologies, Inc

301, Unit 1, Building 2, No.1 Keji 7th Road, Tangjiawan Town, High tech Zone, Zhuhai City

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Motion detect Radar module
Brand Name	Pollux
Model Name	PR1512
FCC ID	2BDXTPR1512
HW Version	PR1512 R2D
SW Version	PR1512_FCC_V1.0.2.763D_20231130
EUT Stage	Production Unit

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	
Frequency Range	5785 MHz ~ 5815 MHz
Channel Bandwidth (99%)	5788.55 MHz: 28.77 kHz 5800.71 MHz: 28.89 kHz 5812.59 MHz: 27.45 kHz
Max. Field Strength	5788.55 MHz: 97.53 dBμV/m 5800.71 MHz: 98.01 dBμV/m 5812.59 MHz: 96.80 dBμV/m
Antenna Type / Gain	Patch Antenna with gain 4.00 dBi
Type of Modulation	CW

1.5 Modification of EUT

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

1.6 Testing Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	210616

1.8 Applicable Standards

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

- FCC Part 15 Subpart C §15.245
- ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode
Field Strength of Fundamental Emissions	CTX
Bandwidth	CTX
Radiated Emissions	CTX

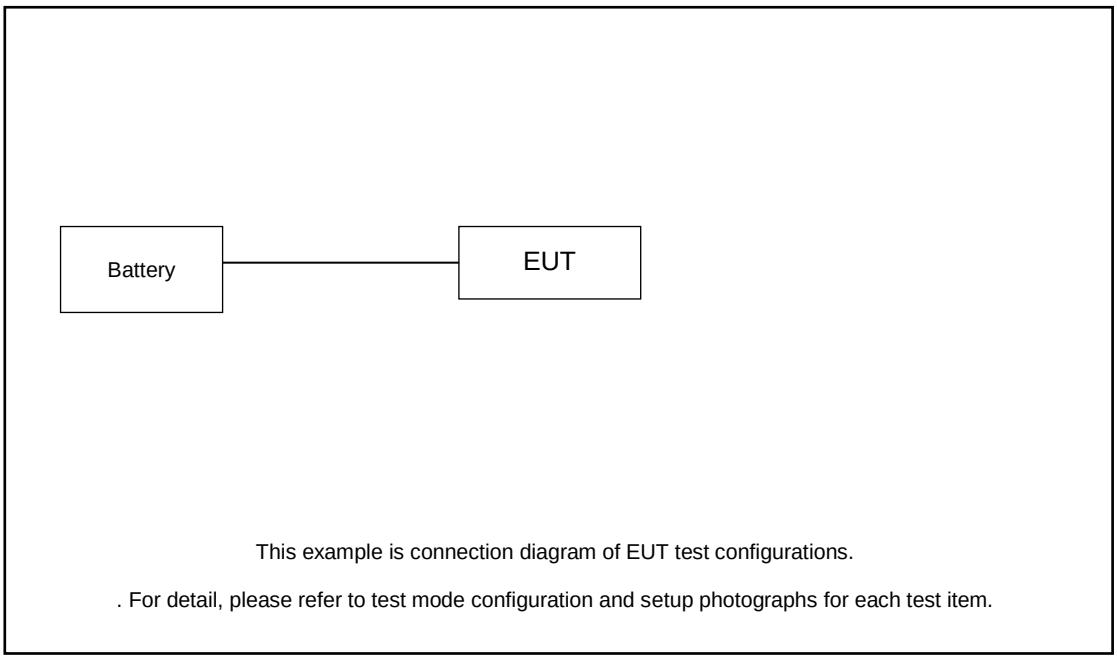
Note: CTX=continuously transmitting.

2.2 Test Mode

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases	
Test Item	
Radiated TCs	Mode 1: 5788.55MHz Mode 2: 5800.71MHz Mode 3: 5812.59Mhz

2.3 Test Configurations



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Battery	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

3 Test Result

3.1 20dB and & 99% Occupied Bandwidth

3.1.1 Limit

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band.

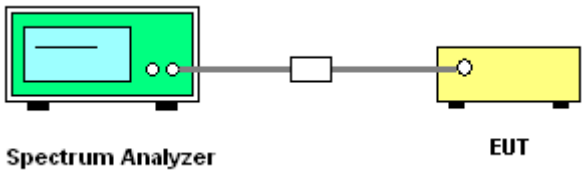
3.1.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.1.3 Test Procedures

1. The spectrum analyzer connected via a receive antenna.
2. The RBW is set to 1% to 5% of the 99% OBW, the VBW is set to 3 times the RBW.
3. Measured the spectrum width with power higher than 20dB below carrier.
4. Measure the 99% OBW.

3.1.4 Test Setup



3.1.5 Test Result

Refer to Appendix A.

3.2 Field Strength of Fundamental Emissions and Radiated Spurious Emissions

3.2.1 Limit

The field strength measured at 3 meters shall not exceed the limits in the following table:

Fundamental Frequencies(MHz)	Field Strength(millivolts/m)	
	Fundamental	Harmonics
902~928	500	1.6
2435~2465	500	1.6
5785~5815	500	1.6
10500~10550	2500	25.0
24075~24175	2500	25.0

Note:

1. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.
2. The emission limits shown above are based on measurement instrumentation employing an average detector. The provisions in § 15.35 for limiting peak emissions apply.

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general field strength limits listed as below, whichever is less stringent.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.2.2 Measuring Instruments

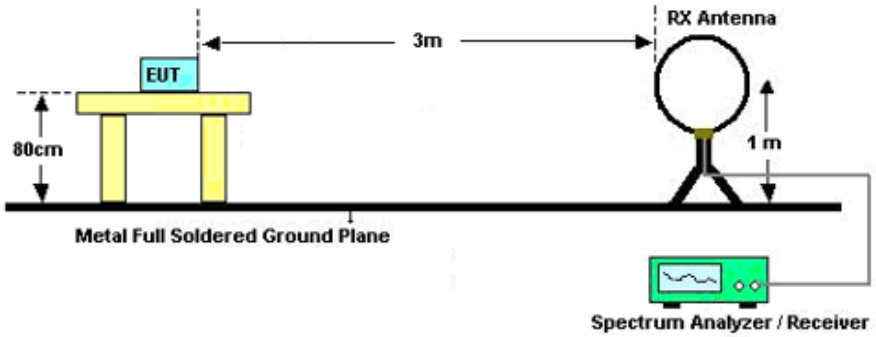
The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.2.3 Test Procedures

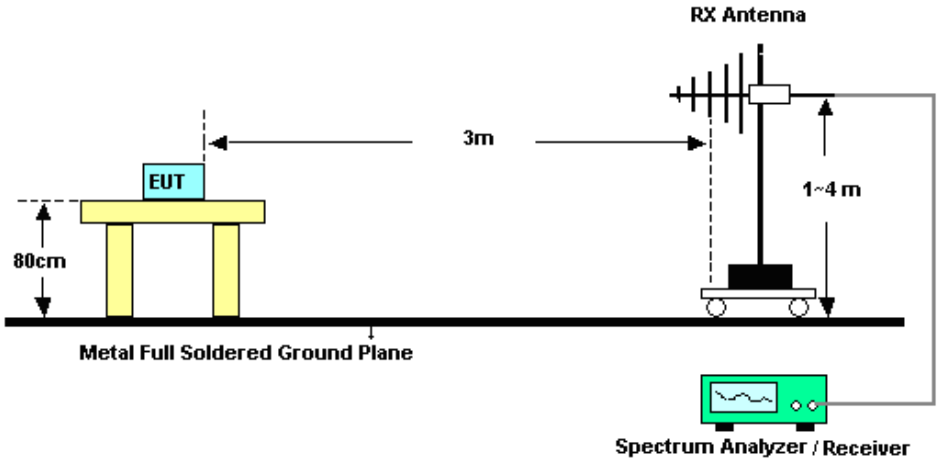
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
4. Set to the maximum power setting and enable the EUT transmit continuously.
5. Use the following spectrum analyzer settings:
   Span shall wide enough to fully capture the emission being measured;
   Set RBW=120 kHz for f < 1 GHz, RBW=1MHz for f>1GHz; VBW ≥ RBW; Sweep = auto;
   Detector function = peak; Trace = max hold for peak
6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4 Test Setup

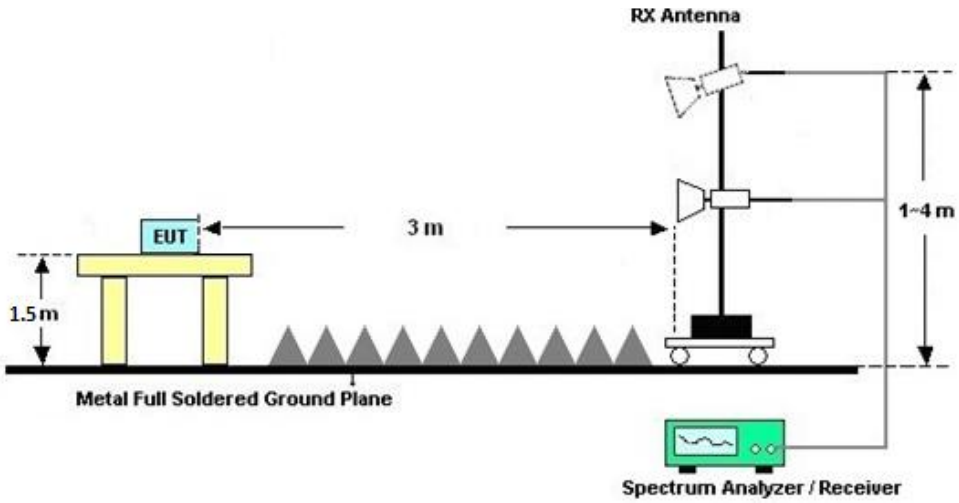
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5 Test Deviation

There is no deviation with the original standard.

3.2.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

3.2.7 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit not reported.

3.2.8 Test Result of Field Strength of Fundamental Emissions

Refer to Appendix A.

3.2.9 Test Result of Radiated Spurious Emissions

Refer to Appendix A.

3.3 Antenna Requirements

3.3.1 Standard Applicable

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited

3.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 18, 2023	Dec. 26, 2023~ Jan. 04, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2023	Dec. 26, 2023~ Jan. 04, 2024	Jul. 06, 2024	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Dec. 26, 2023~ Jan. 04, 2024	Jun. 27, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	May 14, 2023	Dec. 26, 2023~ Jan. 04, 2024	May 13, 2024	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120 D	9120D-1474	1GHz~18GHz	Jul. 07, 2023	Dec. 26, 2023~ Jan. 04, 2024	Jul. 06, 2024	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 08, 2023	Dec. 26, 2023~ Jan. 04, 2024	Jul. 07, 2024	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	Dec. 26, 2023~ Jan. 04, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30- 10P-R	1943528	1GHz~18GHz	Oct. 18, 2023	Dec. 26, 2023~ Jan. 04, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-3 5-HG	1871923	18GHz~40GHz	Jul. 07, 2023	Dec. 26, 2023~ Jan. 04, 2024	Jul. 06, 2024	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5G Hz	Aug. 21, 2023	Dec. 26, 2023~ Jan. 04, 2024	Aug. 20, 2024	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600 B	F119050019	N/A	Oct. 18, 2023	Dec. 26, 2023~ Jan. 04, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 26, 2023~ Jan. 04, 2024	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 26, 2023~ Jan. 04, 2024	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**±5.1dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**±5.1dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**±4.8dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

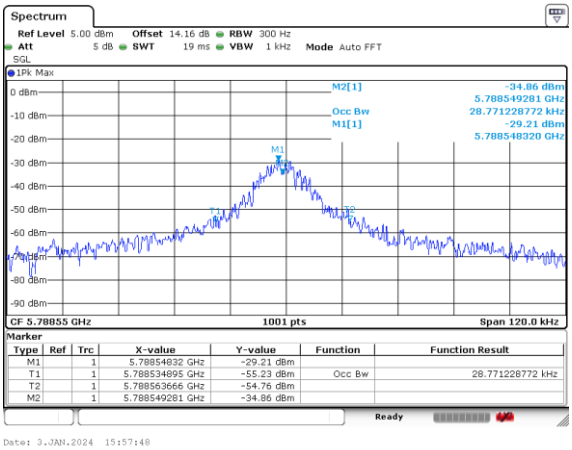
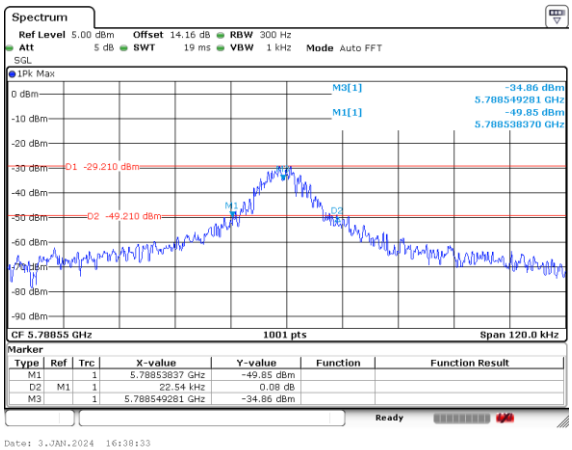
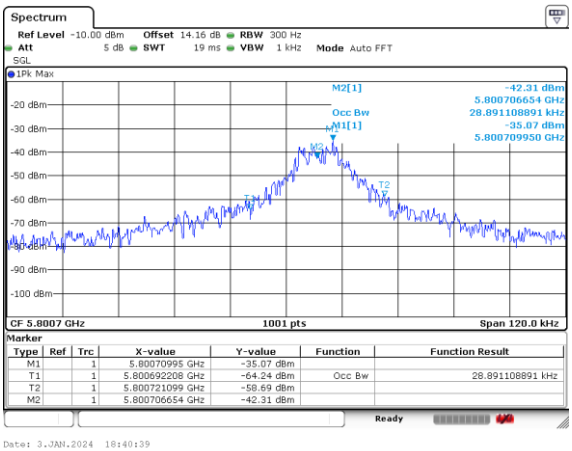
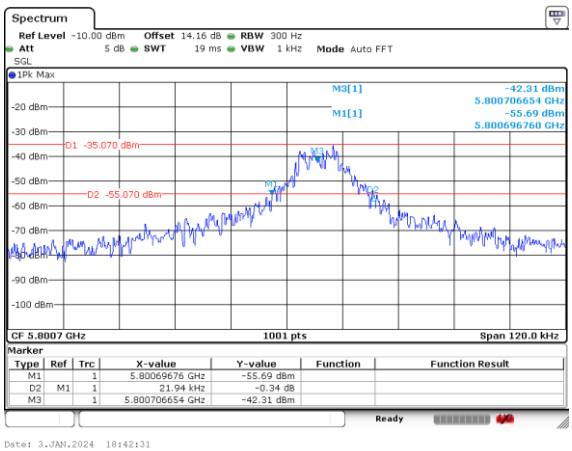
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**±5.1dB**

---------- THE END ----------

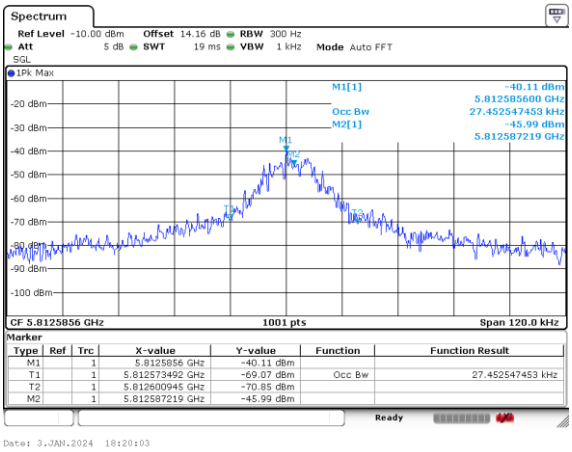
Appendix A. Radiated Spurious Emission Test Data

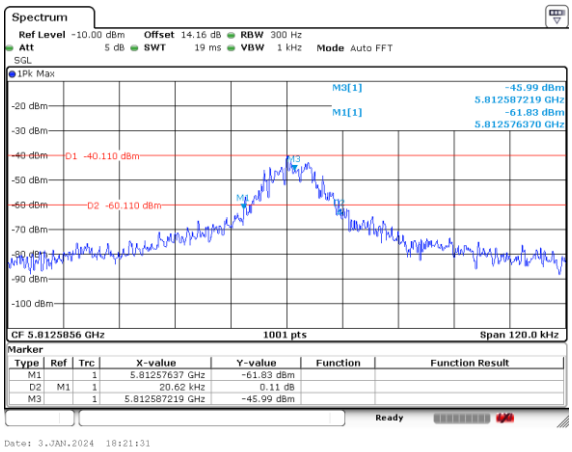
Test Engineer :	Winter Zhang	Relative Humidity :	49 %
		Temperature :	23°

5785~5815MHz

*99%*OBW		20dB	
Mode	Lowest Frequency		
	5788.55MHz		
			
Mode	Middle Frequency		
	5800.71MHz		
			

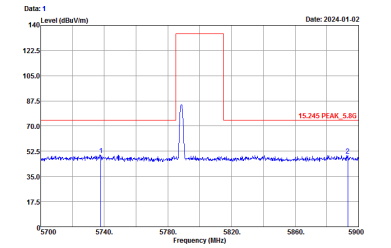
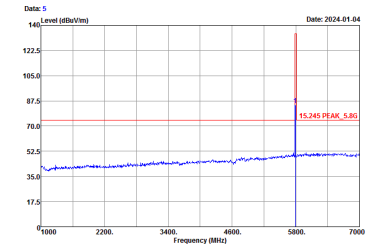
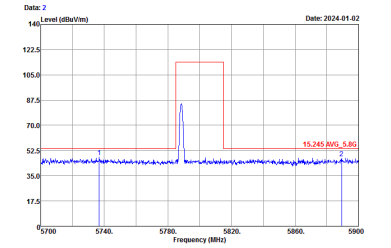
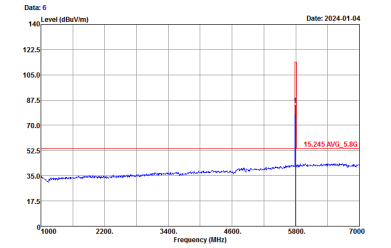
99%OBW		20dB
Mode	Highest Frequency	
	5812.59MHz	

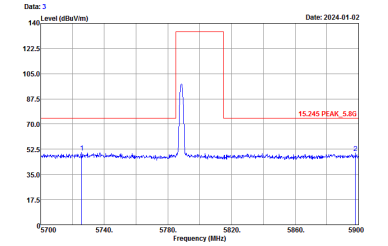
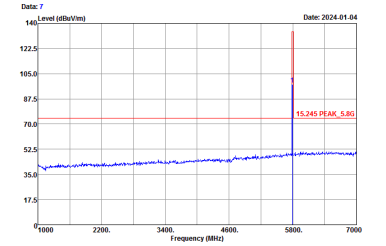
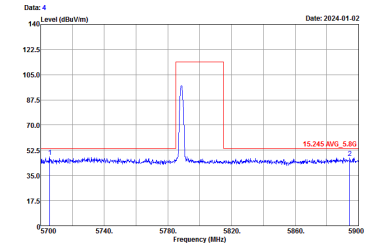
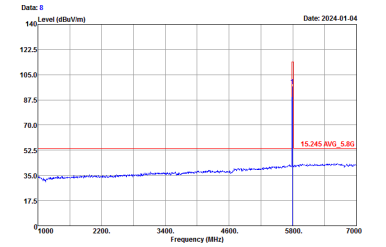


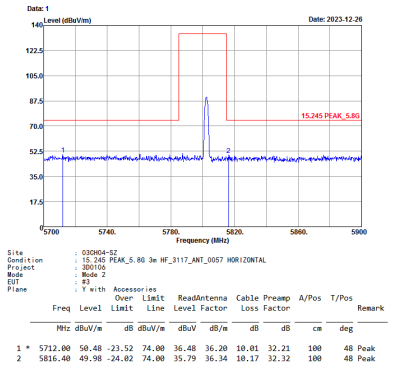
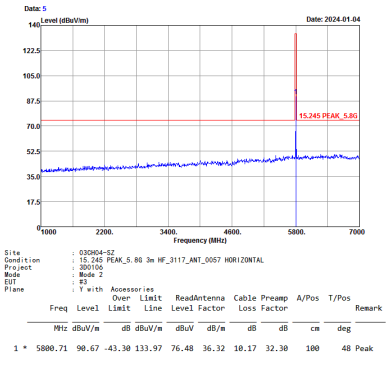
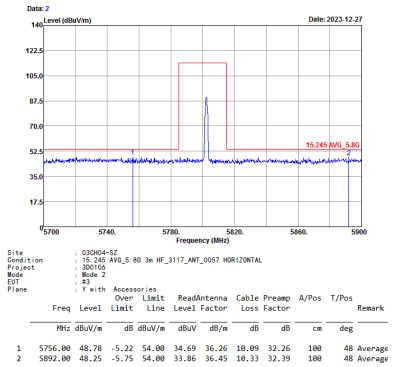
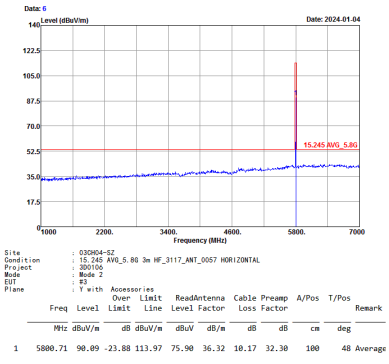


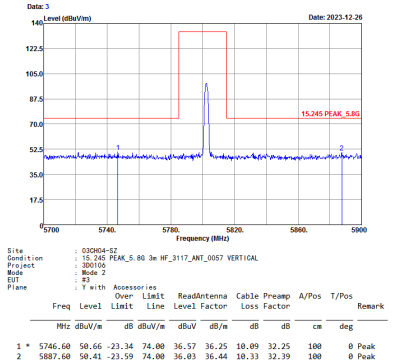
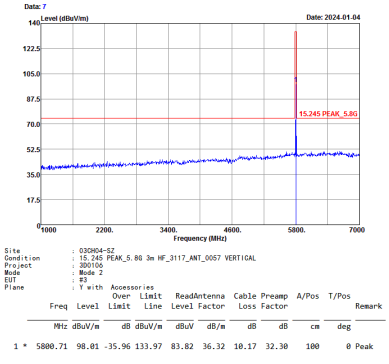
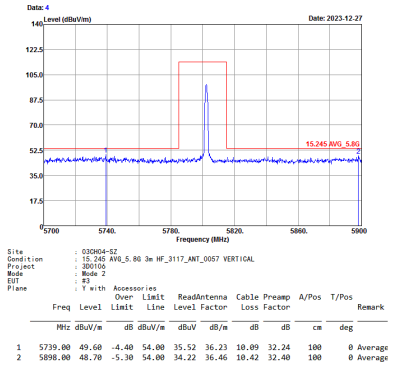
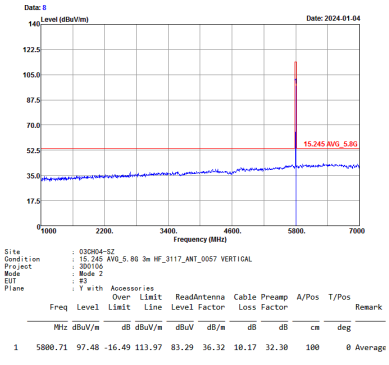
5785~5815MHz

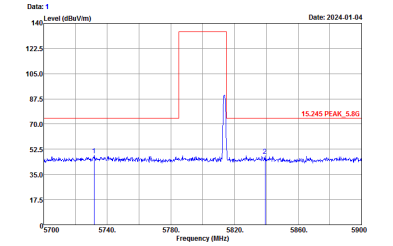
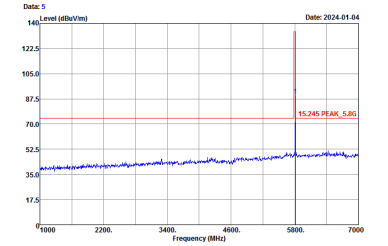
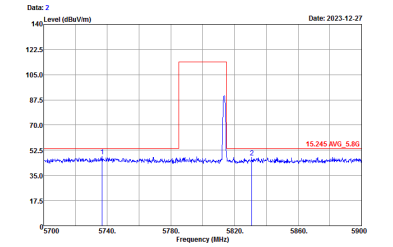
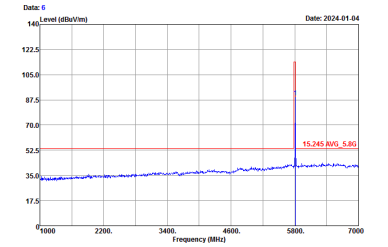
Band Edge

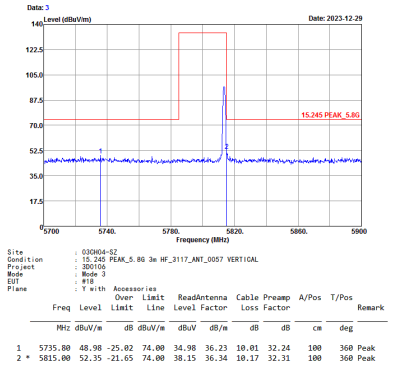
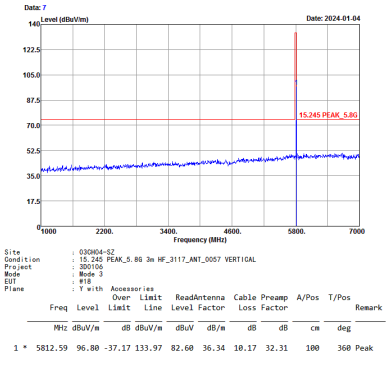
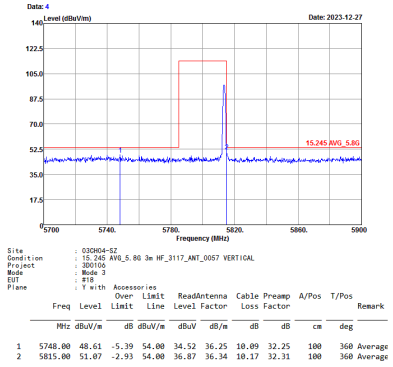
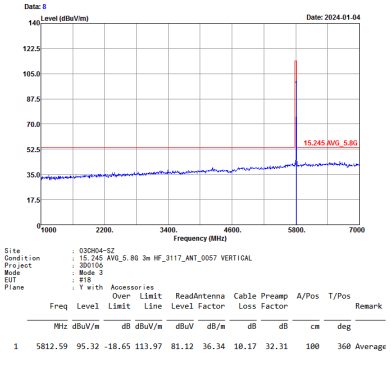
Mode	Lowest Frequency	
	5788.55MHz	
Pol.	Horizontal	Fundamental
Peak		
Avg.		

Mode	Lowest Frequency	
	5788.55MHz	
Pol.	Vertical	Fundamental
Peak		
Avg.		

Mode	Middle Frequency	
	5800.71MHz	
Pol.	Horizontal	Fundamental
Peak		
Avg.		

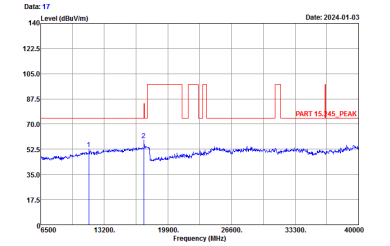
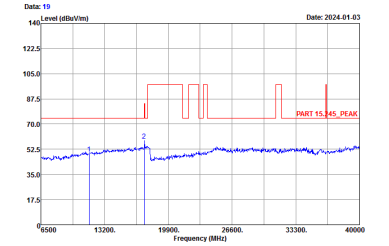
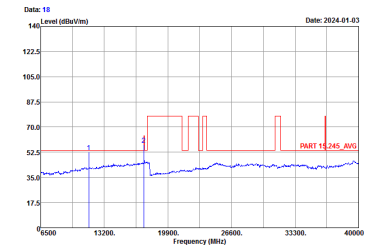
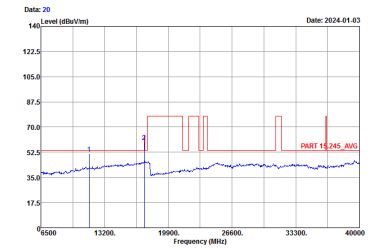
Mode	Middle Frequency	
	5800.71MHz	
Pol.	Vertical	Fundamental
Peak		
Avg.		

Mode	Highest Frequency	
	5812.59MHz	
Pol.	Horizontal	Fundamental
Peak		
Avg.		

Mode	Highest Frequency	
	5812.59MHz	
Pol.	Vertical	Fundamental
Peak		
Avg.		

5.8GHz 5785~5815MHz

Harmonic

Mode	Lowest Frequency	
	5788.55MHz	
Pol.	Horizontal	Vertical
Peak		
Avg.		

Site : 03CH04-SZ
Condition : PART 15.245_PEAK 3m HF_3117_ANT_0057 HORIZONTAL
Project : 3D0106
Mode : Mode 1
EUT : #19
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	* 11577.10	52.81	-21.19	74.00	64.10	39.23	12.93	63.45	---	---	Peak
2	17365.65	58.98	-25.10	84.08	66.52	42.00	15.83	65.37	---	---	Peak

Site : 03CH04-SZ
Condition : PART 15.245_PEAK 3m HF_3117_ANT_0057 VERTICAL
Project : 3D0106
Mode : Mode 1
EUT : #19
Plane : Y with Accessories

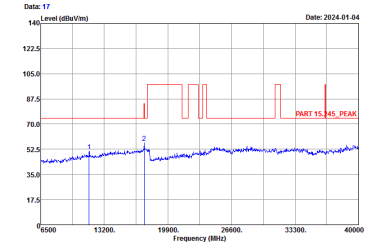
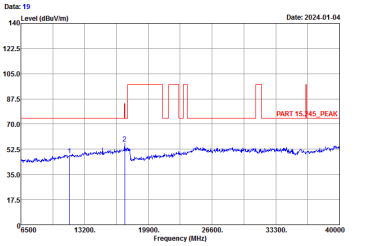
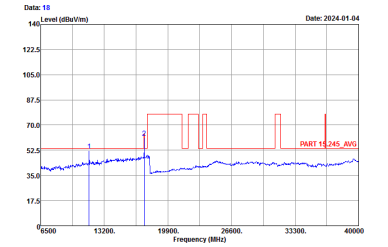
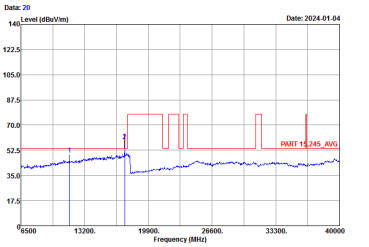
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	* 11577.10	49.54	-24.46	74.00	60.83	39.23	12.93	63.45	---	---	Peak
2	17365.65	58.61	-25.47	84.08	66.15	42.00	15.83	65.37	---	---	Peak

Site : 03CH04-SZ
Condition : PART 15.245_AVG 3m HF_3117_ANT_0057 HORIZONTAL
Project : 3D0106
Mode : Mode 1
EUT : #19
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11577.10	52.58	-1.42	54.00	63.87	39.23	12.93	63.45	100	120	Average
2	17365.65	57.90	-6.18	64.08	65.44	42.00	15.83	65.37	100	233	Average

Site : 03CH04-SZ
Condition : PART 15.245_AVG 3m HF_3117_ANT_0057 VERTICAL
Project : 3D0106
Mode : Mode 1
EUT : #19
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11577.10	51.58	-2.42	54.00	62.87	39.23	12.93	63.45	372	83	Average
2	17365.65	59.86	-4.22	64.08	67.40	42.00	15.83	65.37	100	192	Average

Mode	Middle Frequency	
	5800.71MHz	
Pol.	Horizontal	Vertical
Peak		
Avg.		

Data: 17 — Level (dBuV/m) — Date: 2024-01-04 — PART 15.245_PEAK — Frequency (MHz)

Site : 03CH04-SZ
Condition : PART 15.245_PEAK 3m HF_3117_ANT_0057 HORIZONTAL
Project : 3D0106
Mode : Mode 2
EUT : #3
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 *	11601.42	50.97	-23.03	74.00	62.22	39.24	12.96	63.45	---	---	Peak
2	17402.13	56.97	-27.11	84.08	64.46	42.04	15.86	65.39	---	---	Peak

Data: 19 — Level (dBuV/m) — Date: 2024-01-04 — PART 15.245_PEAK — Frequency (MHz)

Site : 03CH04-SZ
Condition : PART 15.245_PEAK 3m HF_3117_ANT_0057 VERTICAL
Project : 3D0106
Mode : Mode 2
EUT : #3
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 *	11601.42	48.17	-25.83	74.00	59.42	39.24	12.96	63.45	---	---	Peak
2	17402.13	56.54	-27.54	84.08	64.03	42.04	15.86	65.39	---	---	Peak

Data: 18 — Level (dBuV/m) — Date: 2024-01-04 — PART 15.245_AVG — Frequency (MHz)

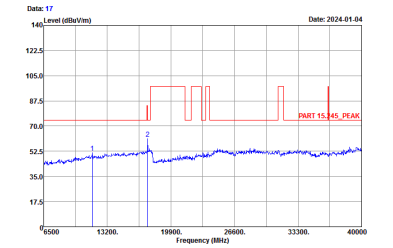
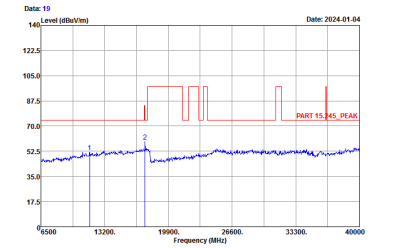
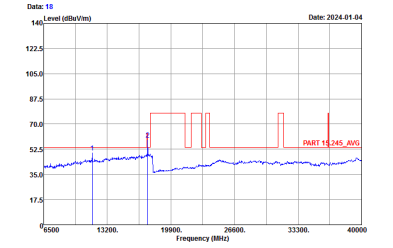
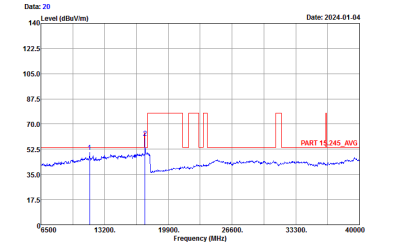
Site : 03CH04-SZ
Condition : PART 15.245_AVG 3m HF_3117_ANT_0057 HORIZONTAL
Project : 3D0106
Mode : Mode 2
EUT : #3
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11601.42	52.07	-1.93	54.00	63.32	39.24	12.96	63.45	100	295	Average
2	17402.13	61.05	-3.03	64.08	68.54	42.04	15.86	65.39	100	61	Average

Data: 20 — Level (dBuV/m) — Date: 2024-01-04 — PART 15.245_AVG — Frequency (MHz)

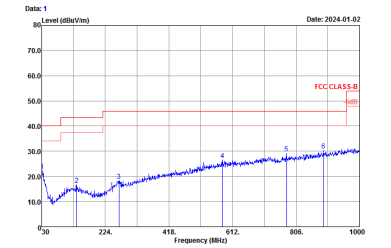
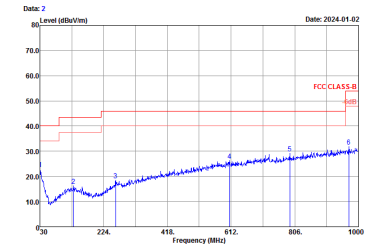
Site : 03CH04-SZ
Condition : PART 15.245_AVG 3m HF_3117_ANT_0057 VERTICAL
Project : 3D0106
Mode : Mode 2
EUT : #3
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11601.42	49.50	-4.50	54.00	60.75	39.24	12.96	63.45	100	307	Average
2	17402.13	58.90	-5.18	64.08	66.39	42.04	15.86	65.39	100	314	Average

Mode	Highest Frequency	
	5812.59MHz	
Pol.	Horizontal	Vertical
Peak		
Avg.		

Emission below 1GHz

LF

Mode	Lowest Frequency	
	5788.55MHz	
Pol.	Horizontal	Vertical
QP / Peak		

Data: 1

Level (dBuV/m)

Date: 2024-01-02

FCC CLASS-B

Frequency (MHz)

```
Site          : 03CH04-SZ
Condition     : FCC CLASS-B 3m LF_ANT_41909 HORIZONTAL
Project       : 3D0106
Mode          : Mode 1
EUT           : 819
Plane         : Y with  Accessories
```

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	22.29	-17.71	40.00	28.02	25.34	0.53	31.60	---	---	Peak
2	136.70	16.69	-26.81	43.50	29.51	17.73	1.20	31.75	---	---	Peak
3	265.71	18.34	-27.66	46.00	28.78	19.43	1.70	31.57	---	---	Peak
4	580.96	26.52	-19.48	46.00	29.32	25.82	2.52	31.14	---	---	Peak
5	776.90	29.27	-16.73	46.00	29.54	27.98	2.90	31.15	---	---	Peak
6 *	890.39	30.20	-15.80	46.00	28.59	29.41	3.14	30.94	---	---	Peak

Data: 2

Level (dBuV/m)

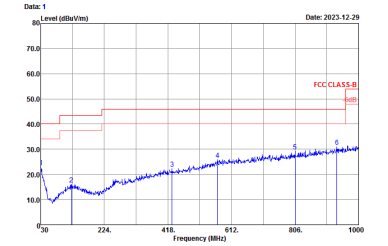
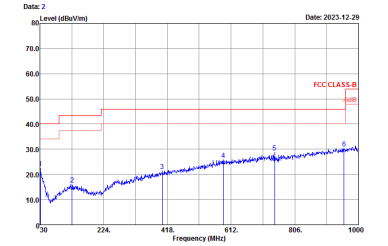
Date: 2024-01-02

FCC CLASS-B

Frequency (MHz)

```
Site          : 03CH04-SZ
Condition     : FCC CLASS-B 3m LF_ANT_41909 VERTICAL
Project       : 3D0106
Mode          : Mode 1
EUT           : 819
Plane         : Y with  Accessories
```

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	22.96	-17.04	40.00	28.69	25.34	0.53	31.60	---	---	Peak
2	131.85	16.17	-27.33	43.50	28.95	17.82	1.17	31.77	---	---	Peak
3	260.86	18.44	-27.56	46.00	28.73	19.61	1.68	31.58	---	---	Peak
4	607.15	26.37	-19.63	46.00	28.65	26.26	2.57	31.11	---	---	Peak
5 *	790.48	29.12	-16.88	46.00	29.13	28.19	2.92	31.12	---	---	Peak
6	970.90	31.84	-22.16	54.00	28.97	30.45	3.26	30.84	---	---	Peak

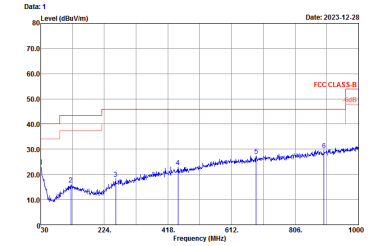
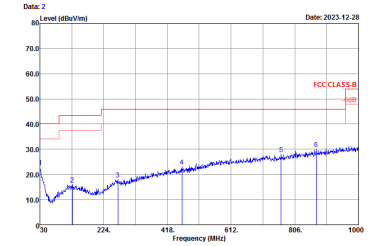
Mode	Middle Frequency	
	5800.71MHz	
Pol.	Horizontal	Vertical
QP / Peak		

Site : 03CH04-SZ
Condition : FCC CLASS-B 3m LF_ANT_41909 HORIZONTAL
Project : 200106
Mode : Mode 2
EUT : #3
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	30.00	22.90	-17.10	40.00	28.63	25.34	0.53	31.60	---	--- Peak
2	124.09	16.13	-27.37	43.50	28.94	17.85	1.14	31.80	---	--- Peak
3	430.61	22.19	-23.81	46.00	28.76	22.77	2.16	31.50	---	--- Peak
4	569.32	25.94	-20.06	46.00	29.03	25.57	2.50	31.16	---	--- Peak
5	806.00	29.19	-16.81	46.00	28.94	28.40	2.95	31.10	---	--- Peak
6 *	934.04	30.90	-15.10	46.00	28.55	29.97	3.21	30.83	---	--- Peak

Site : 03CH04-SZ
Condition : FCC CLASS-B 3m LF_ANT_41909 VERTICAL
Project : 200106
Mode : Mode 2
EUT : #3
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	30.97	22.59	-17.41	40.00	28.84	24.83	0.54	31.62	---	--- Peak
2	127.97	16.06	-27.44	43.50	28.83	17.86	1.16	31.79	---	--- Peak
3	402.48	21.39	-24.61	46.00	28.55	22.23	2.11	31.50	---	--- Peak
4	588.72	25.80	-20.20	46.00	28.40	25.98	2.54	31.12	---	--- Peak
5	744.89	28.66	-17.34	46.00	29.52	27.50	2.84	31.20	---	--- Peak
6 *	956.35	30.38	-15.62	46.00	27.69	30.26	3.24	30.81	---	--- Peak

Mode	Highest Frequency	
	5812.59MHz	
Pol.	Horizontal	Vertical
QP / Peak		

Site : 03CH04-SZ
Condition : FCC CLASS-B 3m LF_ANT_41909 HORIZONTAL
Project : 200106
Mode : Mode 3
EUT : 818
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	23.07	-16.93	40.00	28.80	25.34	0.53	31.60	---	---	Peak
2	122.15	15.98	-27.52	43.50	28.81	17.85	1.13	31.81	---	---	Peak
3	258.92	18.23	-27.77	46.00	28.62	19.51	1.68	31.58	---	---	Peak
4	449.04	22.85	-23.15	46.00	29.02	23.13	2.20	31.50	---	---	Peak
5	687.66	27.47	-18.53	46.00	29.19	26.75	2.73	31.20	---	---	Peak
6 *	894.27	29.63	-16.37	46.00	27.95	29.45	3.15	30.92	---	---	Peak

Site : 03CH04-SZ
Condition : FCC CLASS-B 3m LF_ANT_41909 VERTICAL
Project : 200106
Mode : Mode 3
EUT : 818
Plane : Y with Accessories

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.00	22.91	-17.09	40.00	28.64	25.34	0.53	31.60	---	---	Peak
2	128.94	16.01	-27.49	43.50	28.77	17.86	1.16	31.78	---	---	Peak
3	267.65	18.06	-27.94	46.00	28.57	19.35	1.70	31.56	---	---	Peak
4	462.62	23.28	-22.72	46.00	29.13	23.39	2.23	31.47	---	---	Peak
5	764.29	28.04	-17.96	46.00	28.54	27.79	2.88	31.17	---	---	Peak
6 *	870.99	30.18	-15.82	46.00	28.93	29.17	3.10	31.02	---	---	Peak