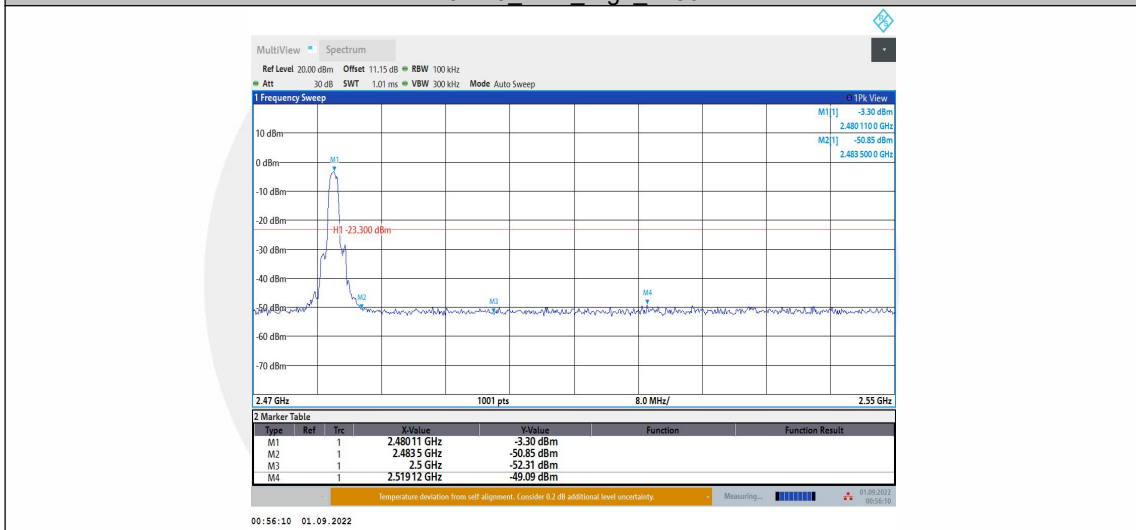
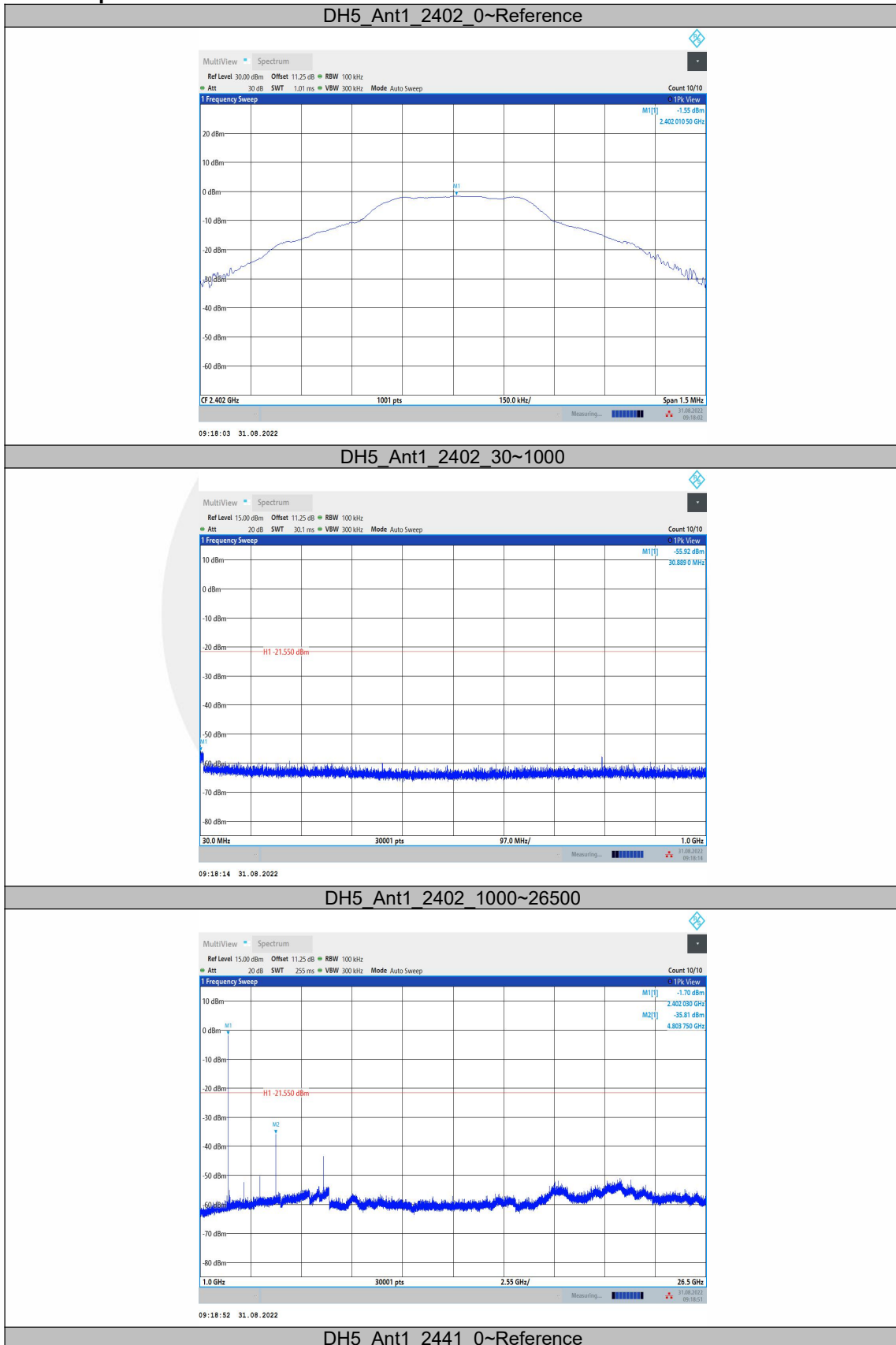
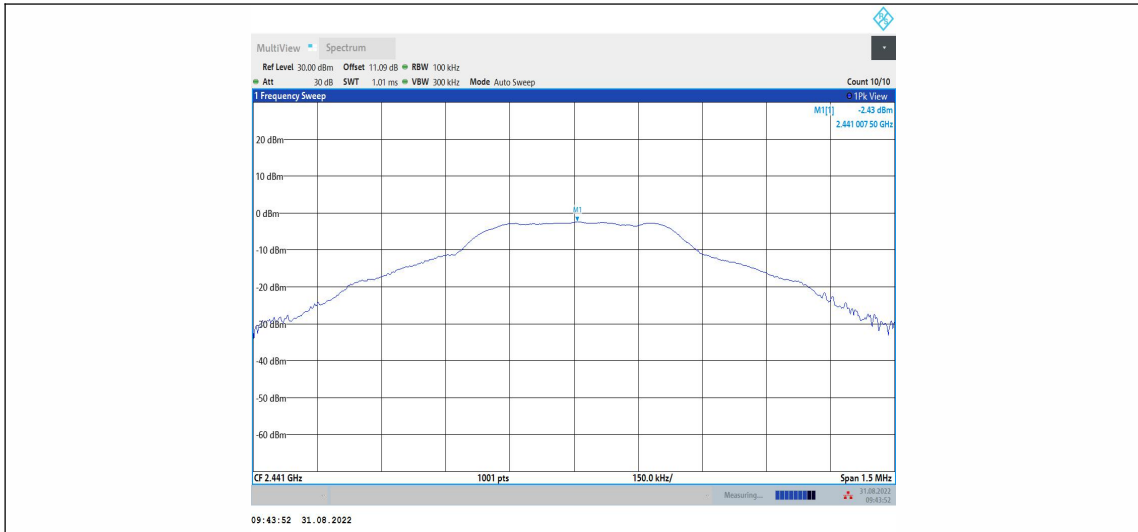


## 3DH5\_Ant1\_High\_2480

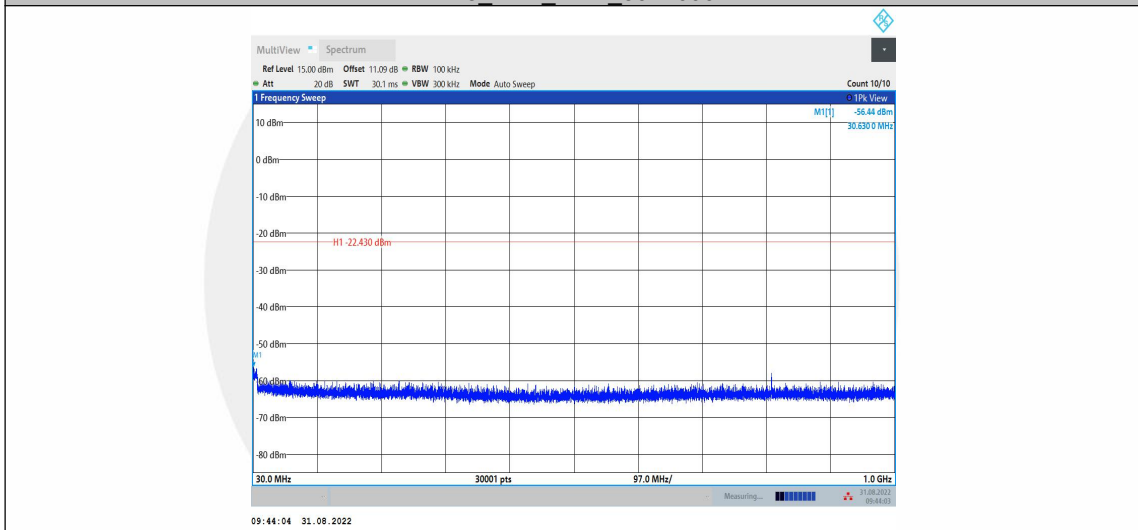


## Conducted Spurious Emission

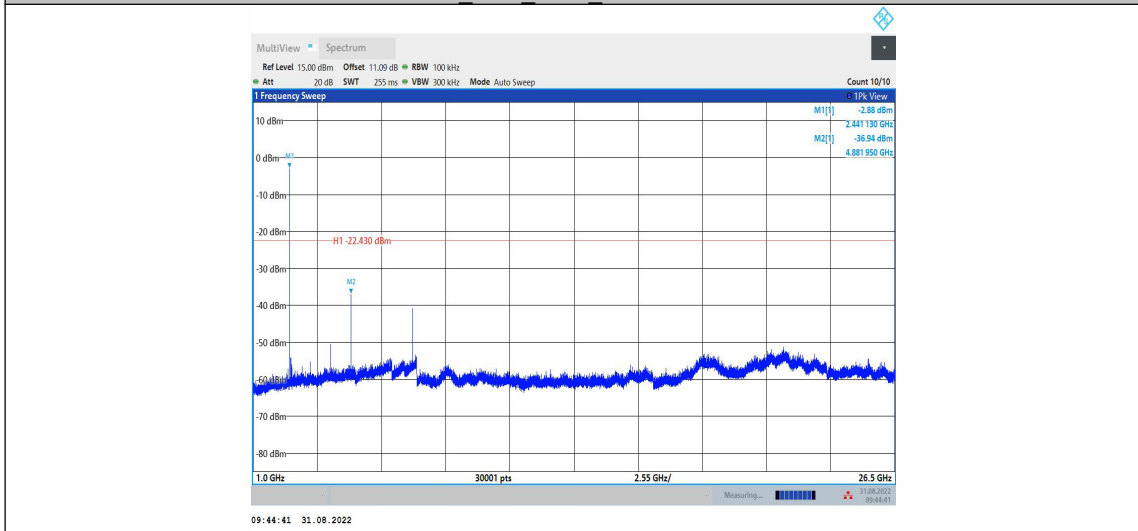




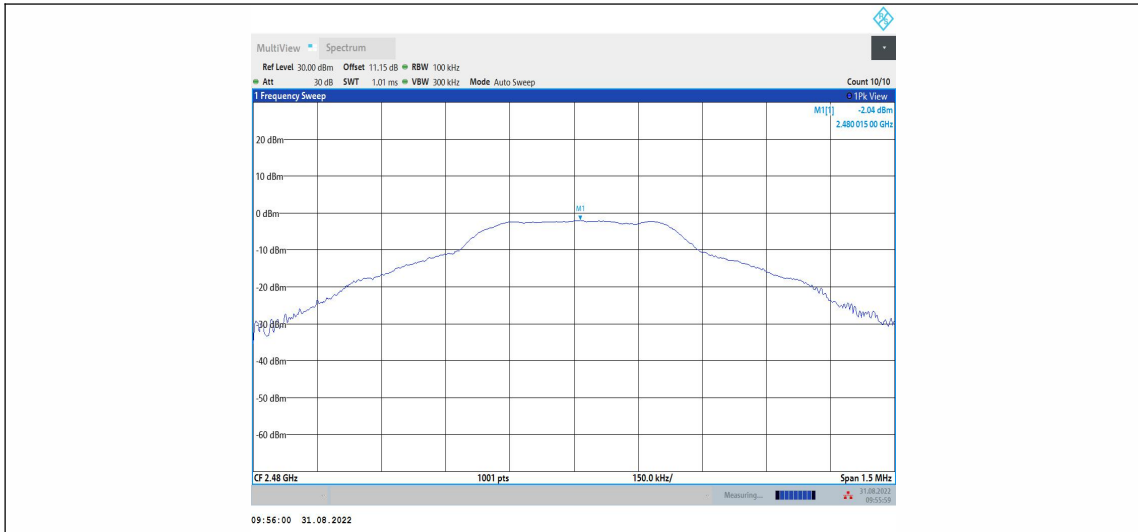
DH5\_Ant1\_2441\_30~1000



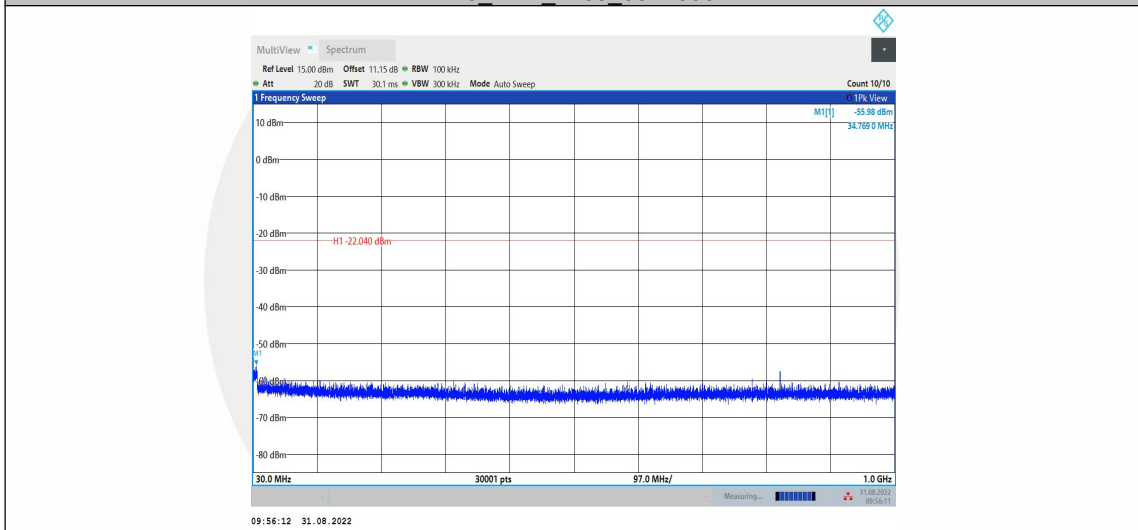
DH5\_Ant1\_2441\_1000~26500



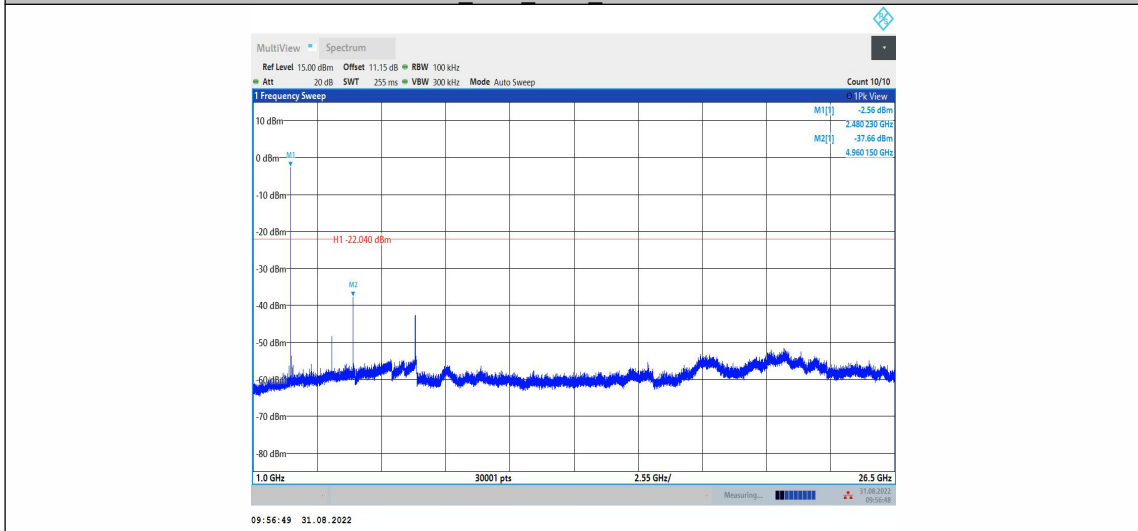
DH5\_Ant1\_2480\_0~Reference



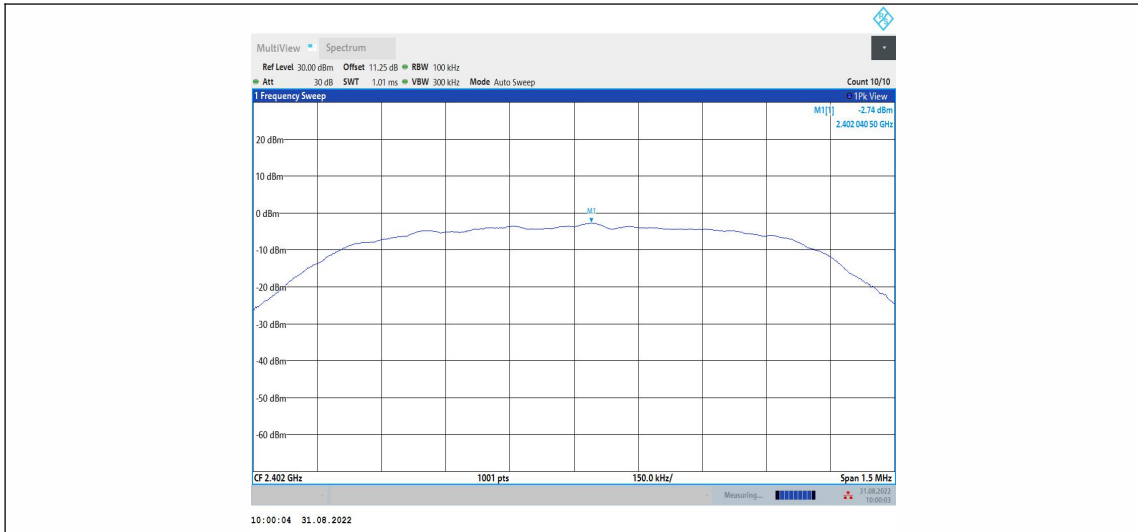
DH5\_Ant1\_2480\_30~1000



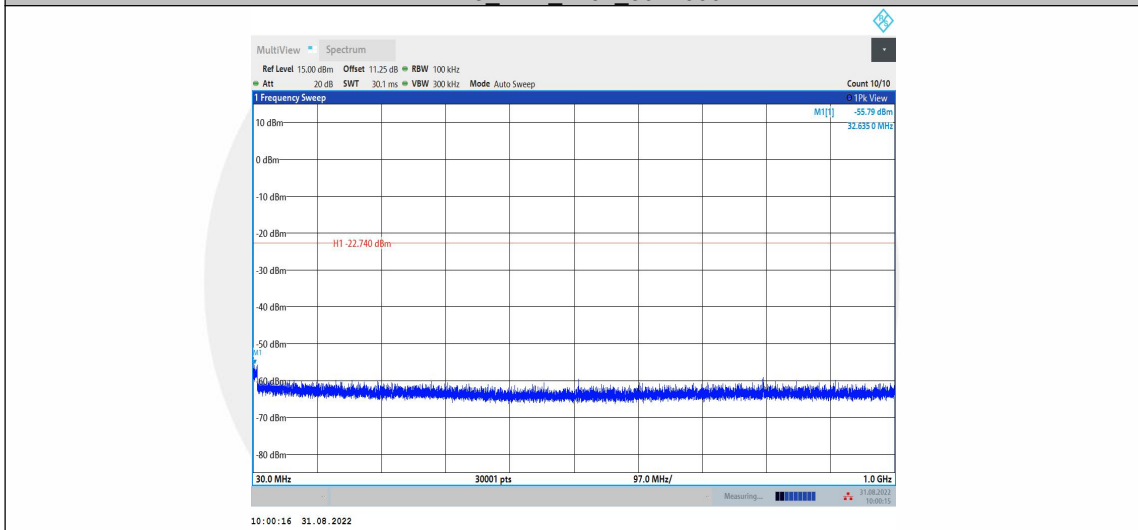
DH5\_Ant1\_2480\_1000~26500



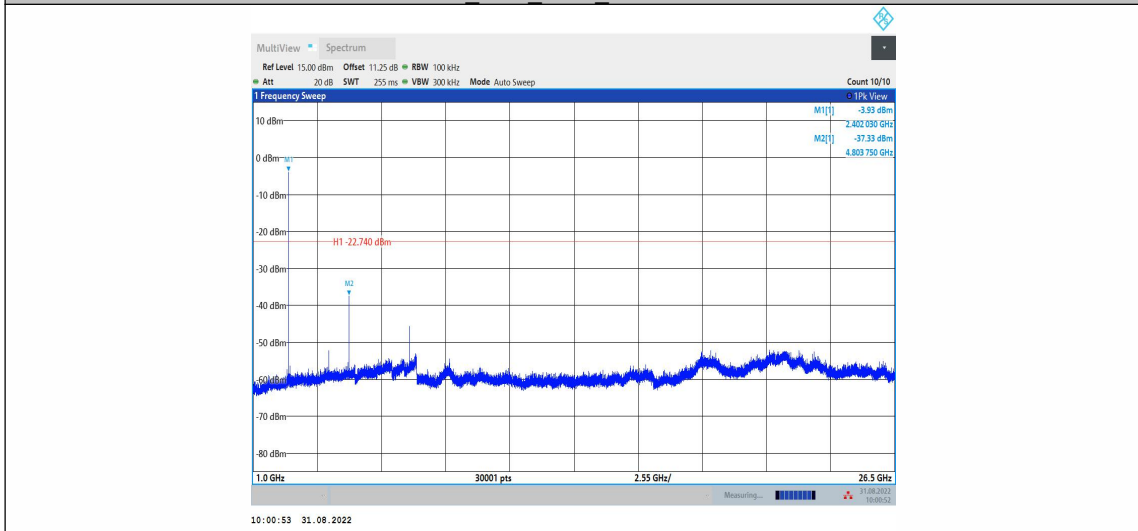
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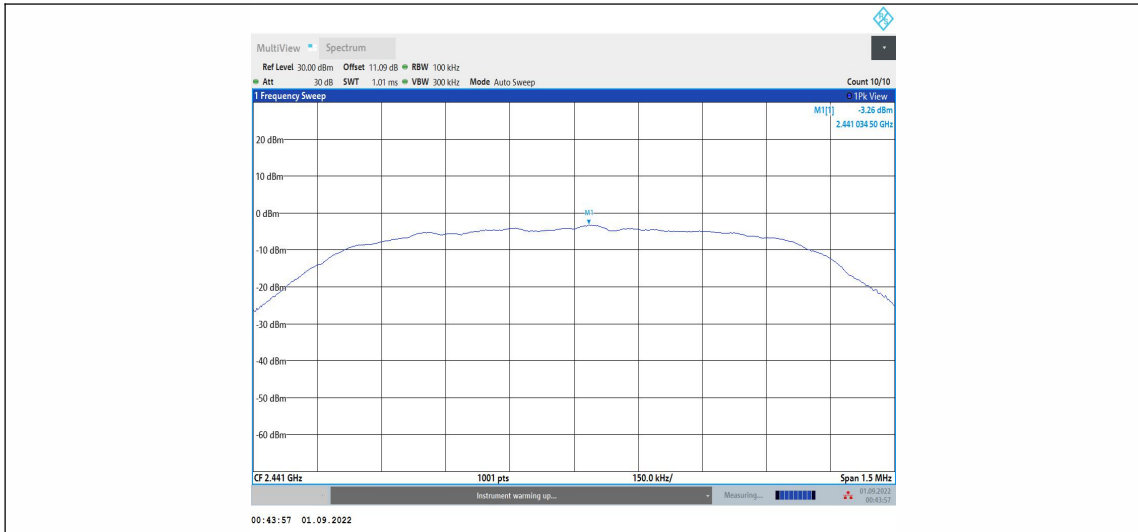
2DH5\_Ant1\_2402\_30~1000



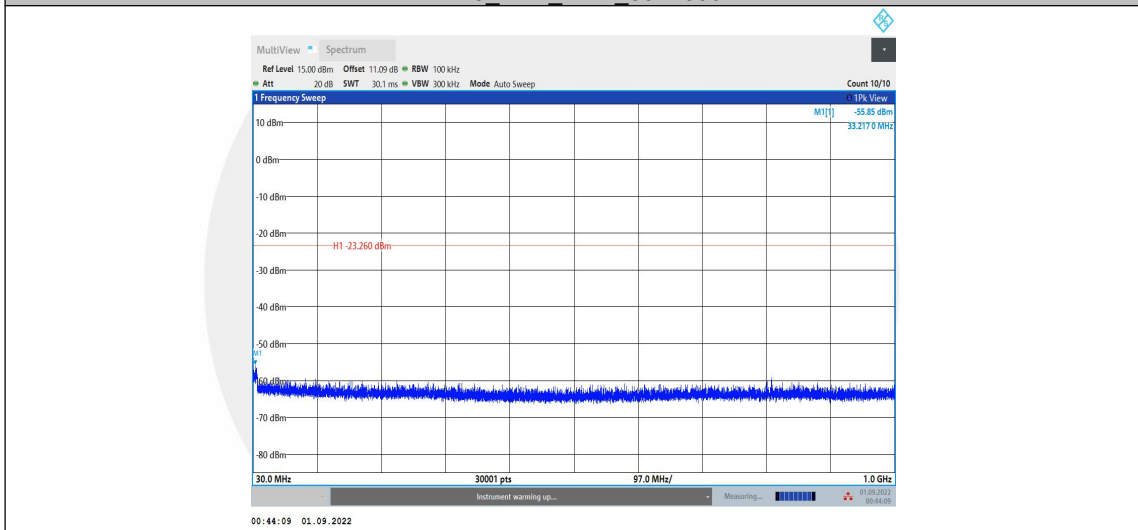
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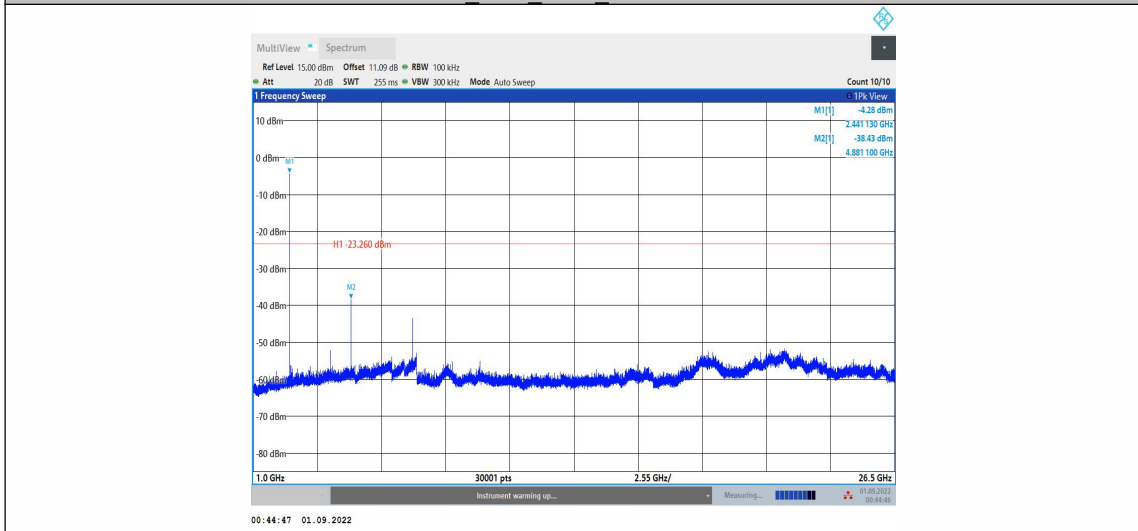
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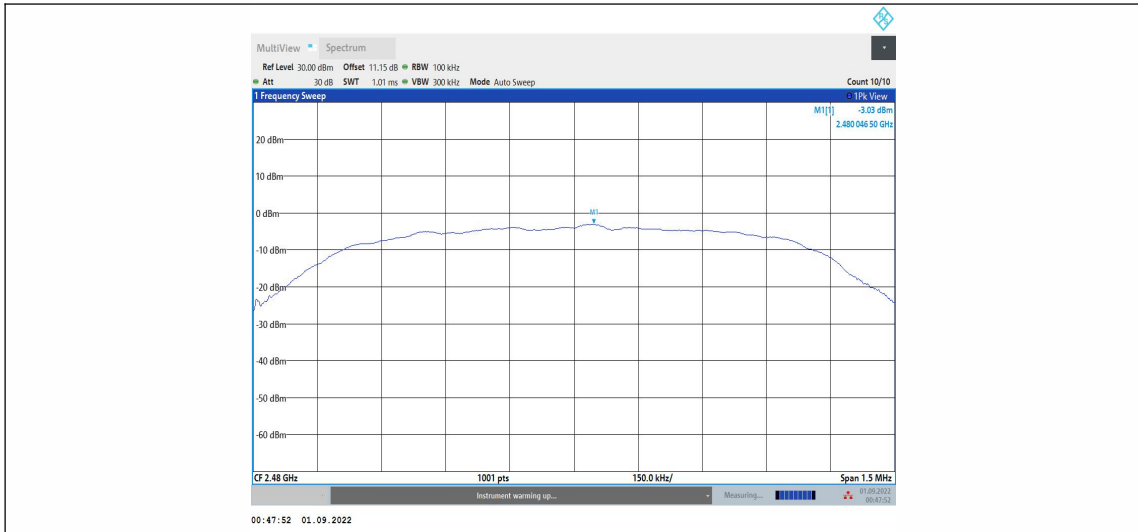
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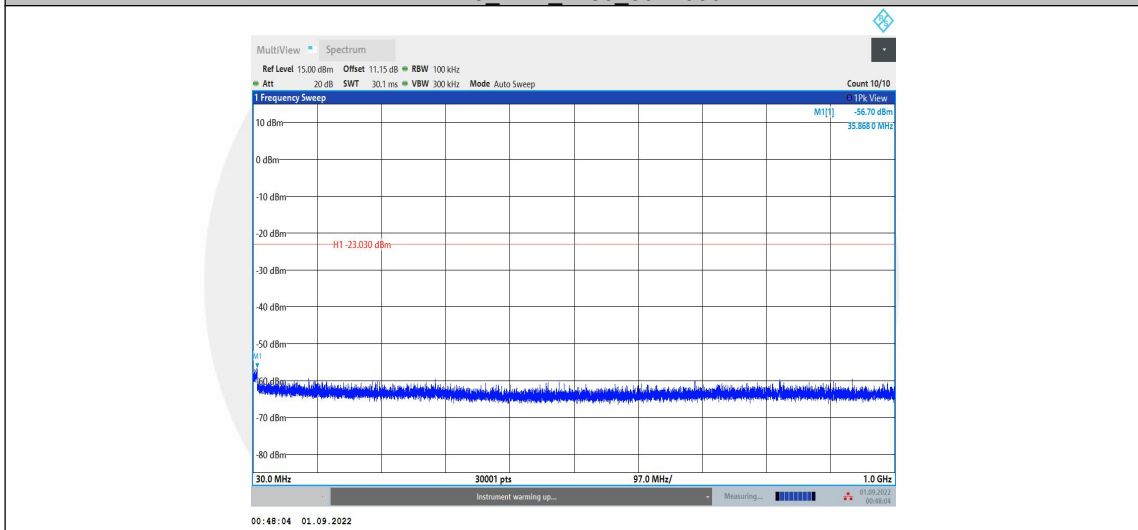
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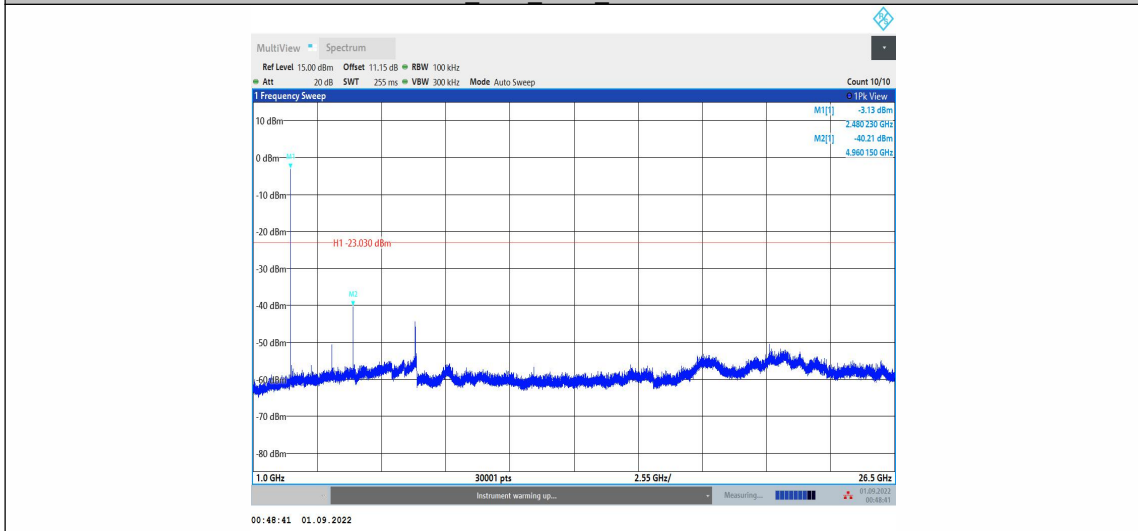
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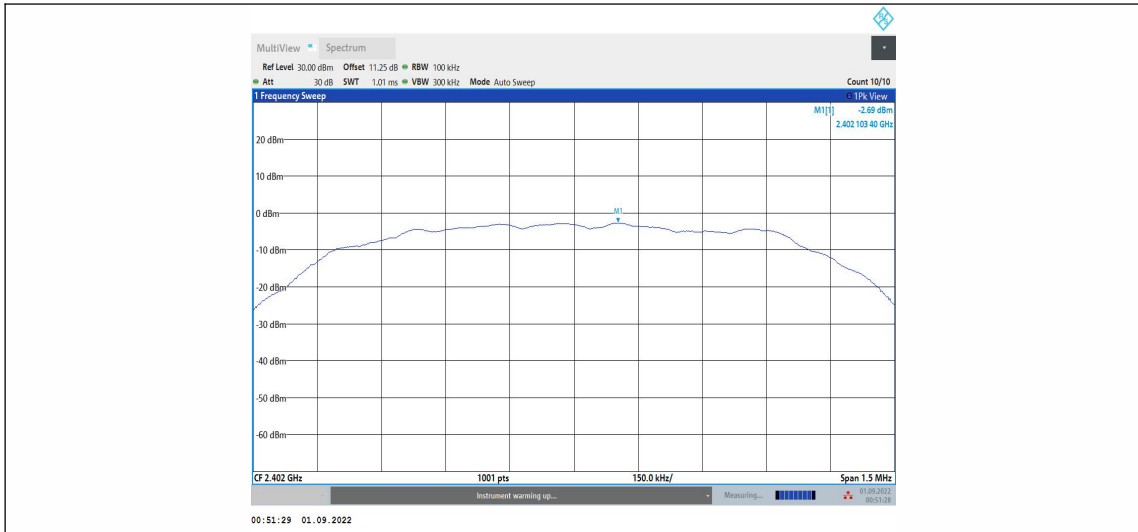
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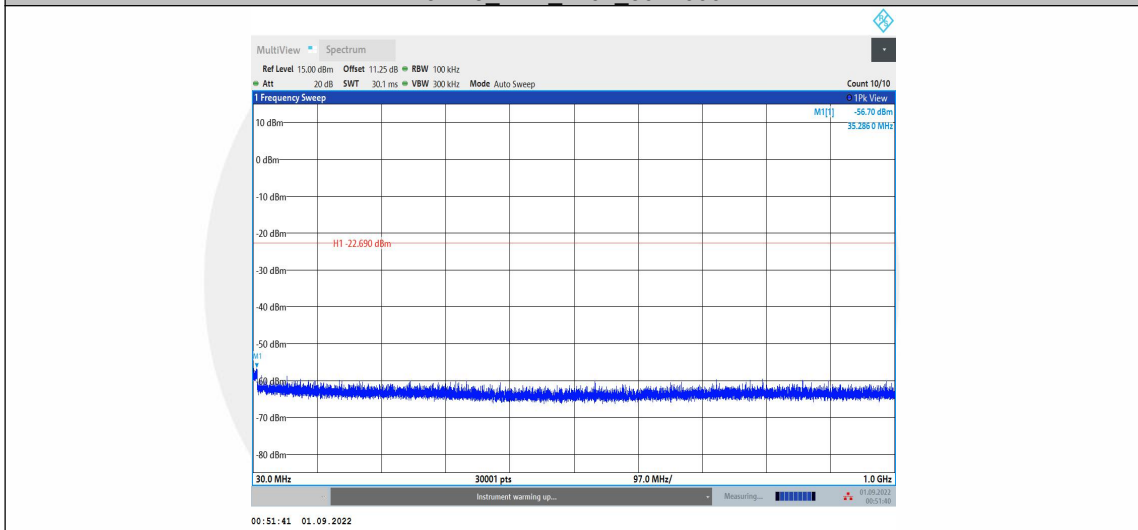
2DH5\_Ant1\_2480\_1000~26500



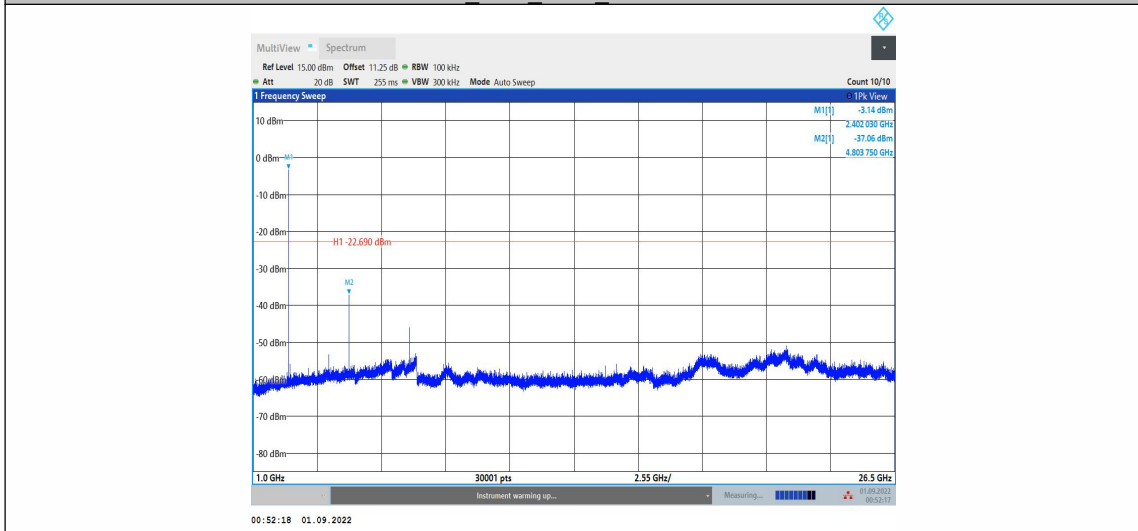
3DH5\_Ant1\_2402\_0~Reference



3DH5\_Ant1\_2402\_30~1000

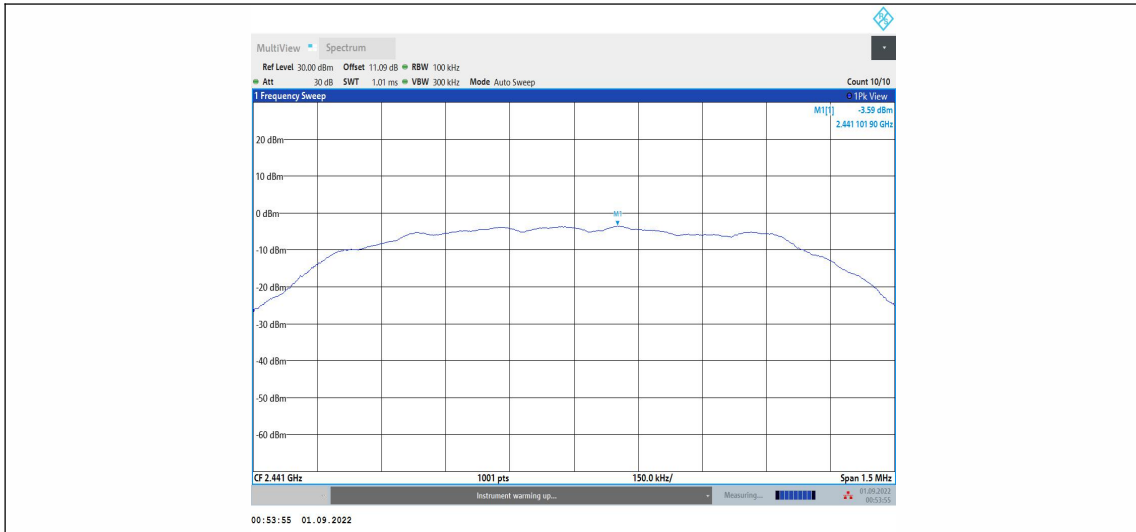


3DH5\_Ant1\_2402\_1000~26500

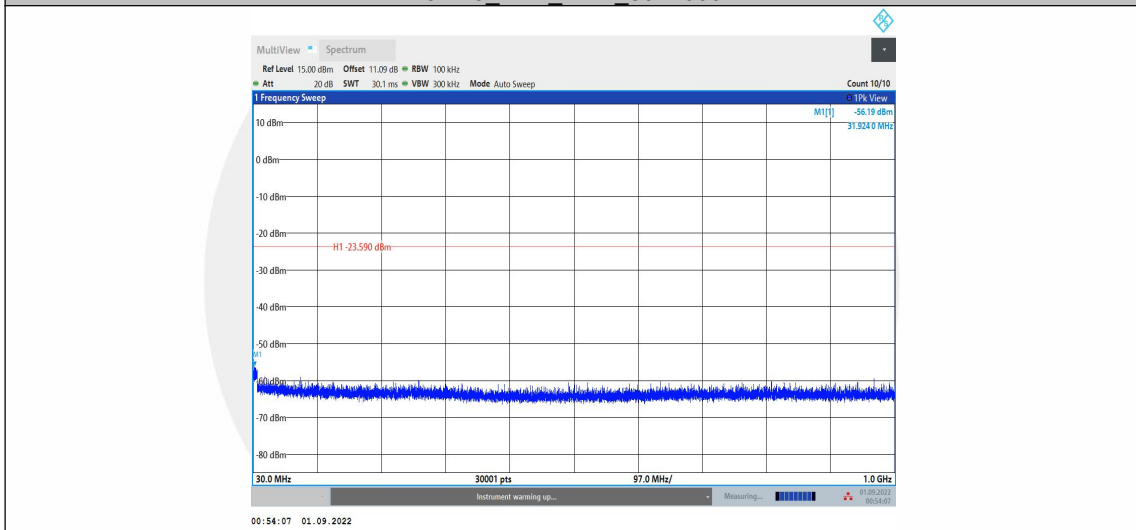


3DH5\_Ant1\_2441\_0~Reference

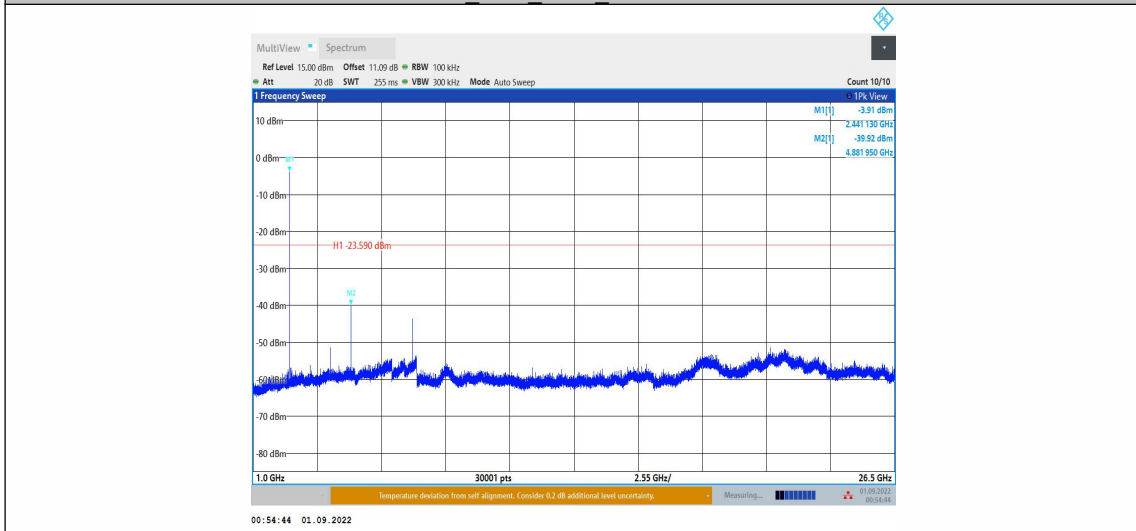




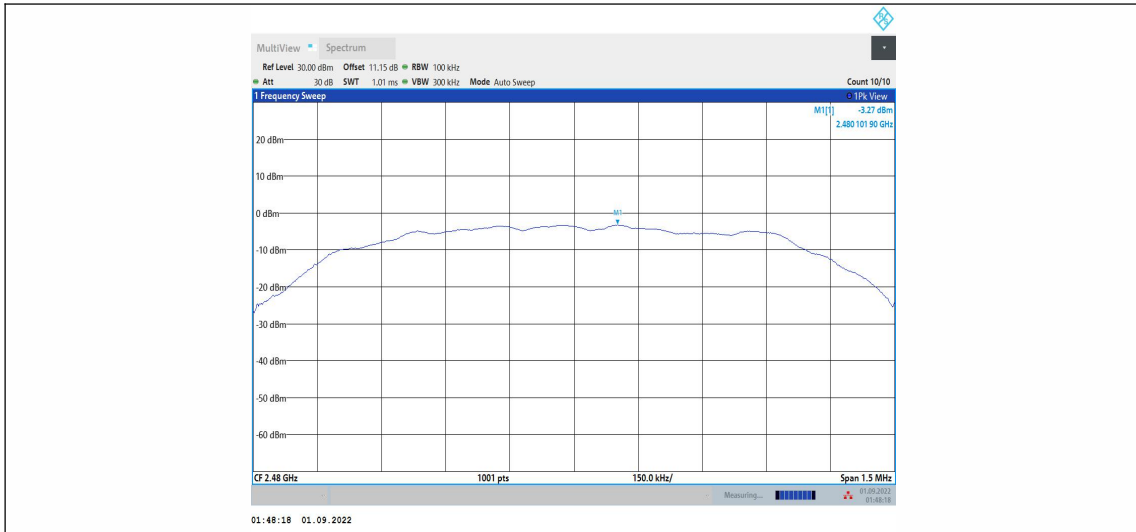
3DH5\_Ant1\_2441\_30~1000



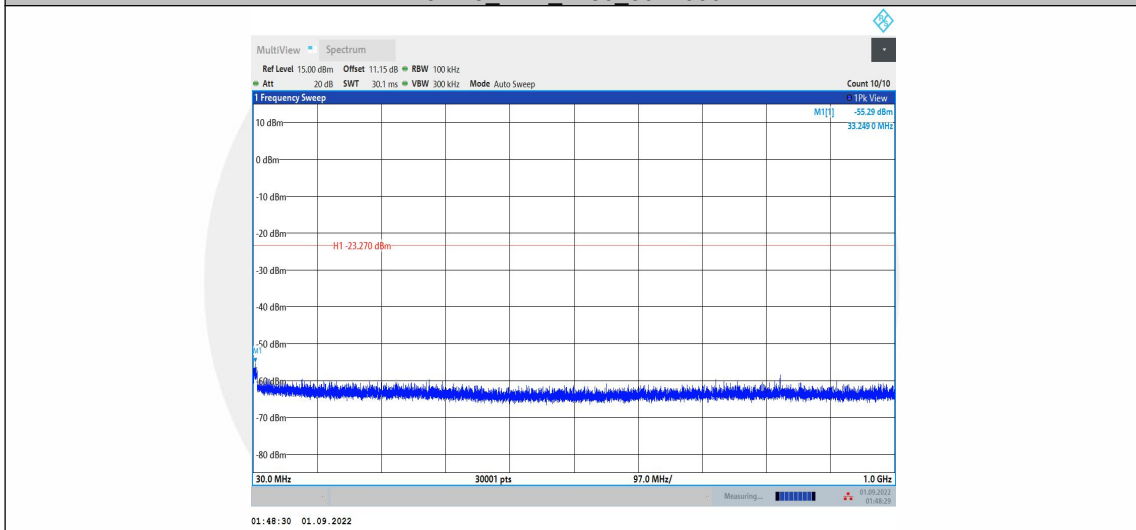
3DH5\_Ant1\_2441\_1000~26500



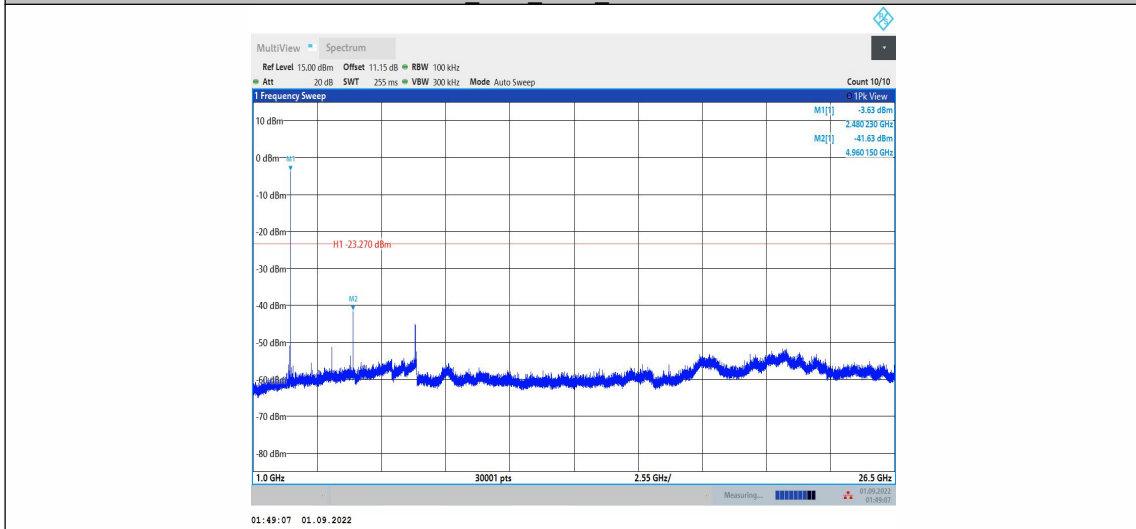
3DH5\_Ant1\_2480\_0~Reference



3DH5\_Ant1\_2480\_30~1000



3DH5\_Ant1\_2480\_1000~26500



## 9.7 RADIATED SPURIOUS EMISSION

### 9.7.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02.

### 9.7.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part 15.205, Restricted bands.

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

According to FCC Part 15.205, the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table.

Restricted Frequency(MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	Field Strength ( $\text{dB}\mu\text{V}/\text{m}$ )	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log ( $\mu\text{V}/\text{m}$ )	300
0.490-1.705	24000/F(KHz)	20 log ( $\mu\text{V}/\text{m}$ )	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

### 9.7.3 Test Configuration

Test according to clause 7.2 radio frequency test setup 2.

### 9.7.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

**For Above 1GHz:**

The EUT was placed on a turn table which is 1.5m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Span = wide enough to fully capture the emission being measured.  
RBW = 1 MHz.  
VBW  $\geq$  RBW.  
Sweep = auto.  
Detector function = peak.  
Trace = max hold.

**For Below 1GHz:**

The EUT was placed on a turn table which is 0.8m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Span = wide enough to fully capture the emission being measured.  
RBW = 100 kHz.  
VBW  $\geq$  RBW.  
Sweep = auto.  
Detector function = peak.  
Trace = max hold.

**For Below 30MHz:**

The EUT was placed on a turn table which is 0.8m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Span = wide enough to fully capture the emission being measured.  
RBW = 9kHz.  
VBW  $\geq$  RBW.  
Sweep = auto.  
Detector function = peak.  
Trace = max hold.

**For Below 150KHz:**

The EUT was placed on a turn table which is 0.8m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Span = wide enough to fully capture the emission being measured.  
RBW = 200Hz.  
VBW  $\geq$  RBW.  
Sweep = auto.  
Detector function = peak.  
Trace = max hold.

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from  $20\log(\text{dwell time}/100 \text{ ms})$ , in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

### 9.7.5 Test Results

#### ■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	25° C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

#### ■ Spurious Emission Above 1GHz (1GHz to 25GHz)

Bluetooth (GFSK, pi/4-DQPSK, 8DPSK) mode have been tested, and the worst result(GFSK) was report as below:

Test mode:	GFSK	Frequency:	Channel 0: 2402MHz
------------	------	------------	--------------------

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4804.110	V	46.48	74.00	-27.52	peak
4804.110	V	28.54	54.00	-25.46	AVG
8529.235	V	51.16	74.00	-22.84	peak
8529.235	V	33.25	54.00	-20.75	AVG
17811.10	V	63.05	74.00	-10.95	peak
17811.1	V	45.11	54.00	-8.89	AVG
4804.805	H	47.53	74.00	-26.47	peak
4804.805	H	30.15	54.00	-23.85	AVG
9283.026	H	51.73	74.00	-22.27	peak
9283.026	H	33.72	54.00	-20.28	AVG
17862.65	H	64.59	74.00	-9.41	peak
17862.65	H	46.61	54.00	-7.39	AVG

Test mode:	GFSK	Frequency:	Channel 39: 2441MHz
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Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4881.797	V	46.40	74.00	-27.60	peak
4881.797	V	28.33	54.00	-25.67	AVG
10053.91	V	53.90	74.00	-20.10	peak
10053.91	V	35.93	54.00	-18.07	AVG
17901.42	V	63.47	74.00	-10.53	peak
17901.42	V	45.41	54.00	-8.59	AVG
4881.797	H	47.40	74.00	-26.60	peak
4881.797	H	30.01	54.00	-23.99	AVG
9198.891	H	52.10	74.00	-21.90	peak
9198.891	H	35.11	54.00	-18.89	AVG
17986.99	H	63.55	74.00	-10.45	peak
17986.99	H	45.51	54.00	-8.49	AVG

Test mode: GFSK Frequency: Channel 78: 2480MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4960.023	V	45.22	74.00	-28.78	peak
4960.023	V	28.29	54.00	-25.71	AVG
11284.52	V	56.79	74.00	-17.21	peak
11284.52	V	38.84	54.00	-15.16	AVG
17979.20	V	63.22	74.00	-10.78	peak
17979.2	V	45.26	54.00	-8.74	AVG
4960.023	H	47.17	74.00	-26.83	peak
4960.023	H	30.03	54.00	-23.97	AVG
11185.48	H	55.91	74.00	-18.09	peak
11185.48	H	38.91	54.00	-15.09	AVG
17885.90	H	63.81	74.00	-10.19	peak
17885.9	H	45.88	54.00	-8.12	AVG

- Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

Bluetooth (GFSK, pi/4-DQPSK, 8DPSK, Hopping) mode have been tested, and the worst result(GFSK, Hopping) was report as below:

Test mode: GFSK Frequency: Channel 0: 2402MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
2387.112	V	49.24	74.00	-24.76	peak
2387.112	V	31.15	54.00	-22.85	AVG
2388.708	H	50.48	74.00	-23.52	peak
2388.708	H	32.14	54.00	-21.86	AVG

Test mode: GFSK Frequency: Channel 78: 2480MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
2484.598	V	50.38	74.00	-23.62	peak
2484.598	V	32.40	54.00	-21.60	AVG
2483.819	H	53.05	74.00	-20.95	peak
2483.819	H	35.11	54.00	-18.89	AVG

Test mode: GFSK Frequency: Hopping

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
2400.000	V	49.94	74.00	-24.06	peak
2400.000	V	31.99	54.00	-22.01	peak
2483.500	V	49.98	74.00	-24.02	peak
2483.500	V	31.13	74.00	-22.87	peak
2400.000	H	49.45	74.00	-24.55	peak
2400.000	H	31.22	54.00	-22.78	AVG
2483.500	H	52.62	74.00	-21.38	peak
2483.500	H	33.55	74.00	-20.45	AVG

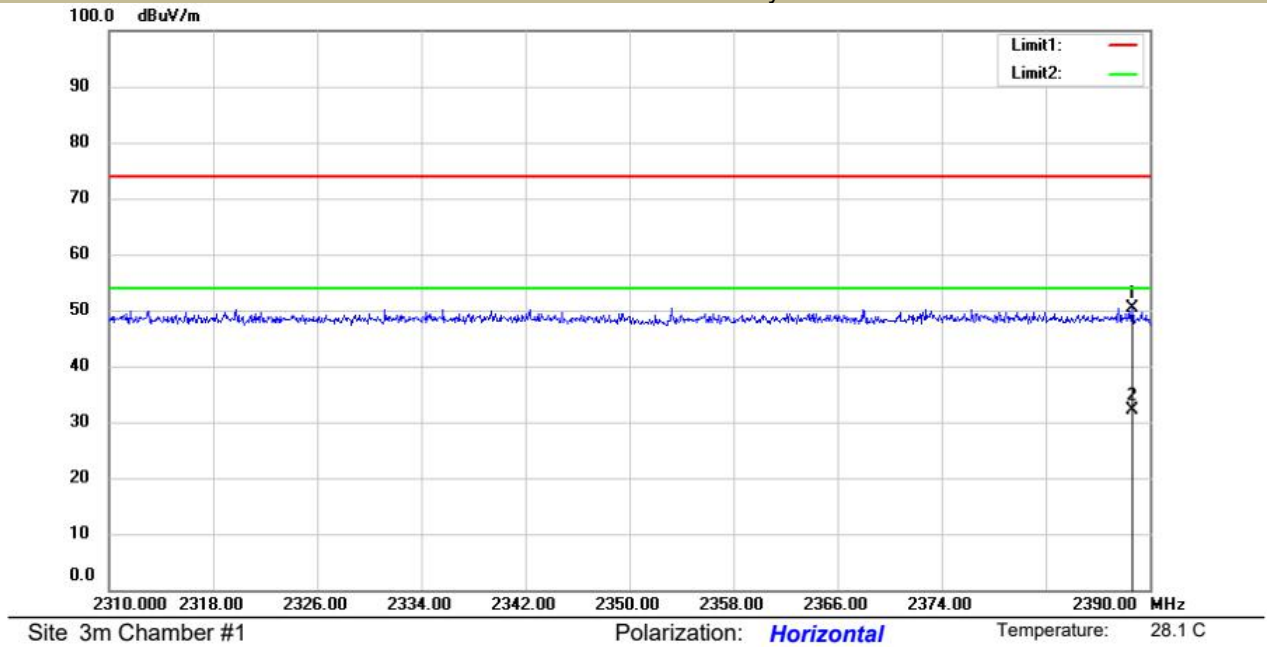
**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).

(2) Emission Level= Reading Level+Probe Factor +Cable Loss.

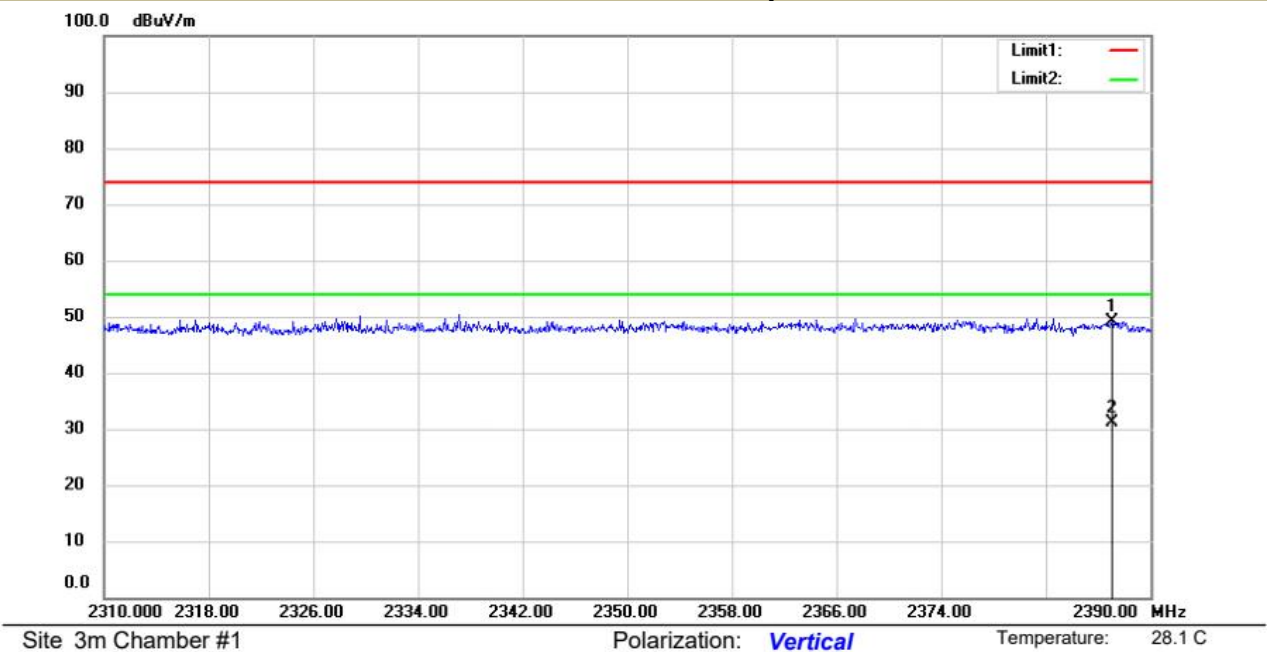
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



Test Model	Spurious Emission in Restricted Band 2310-2390MHz		
	BT	GFSK	H
	Channel 0: 2402MHz	Test By: HYD	

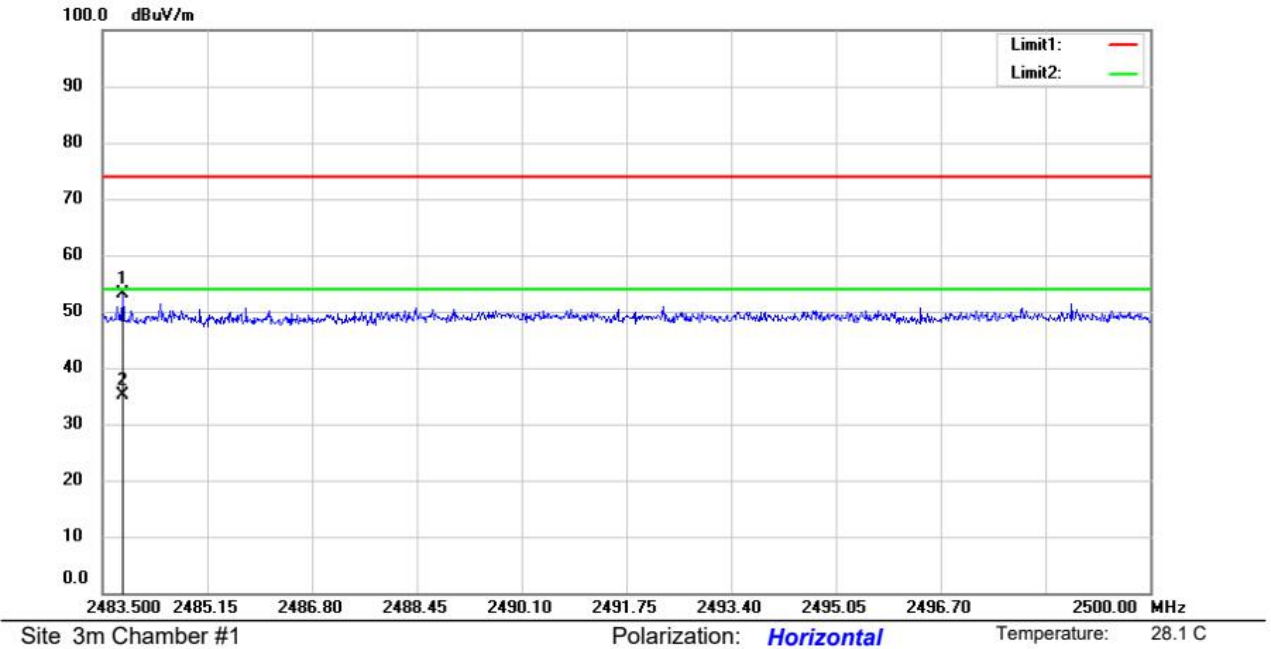


Test Model	Spurious Emission in Restricted Band 2310-2390MHz		
	BT	GFSK	V
	Channel 0: 2402MHz	Test By: HYD	

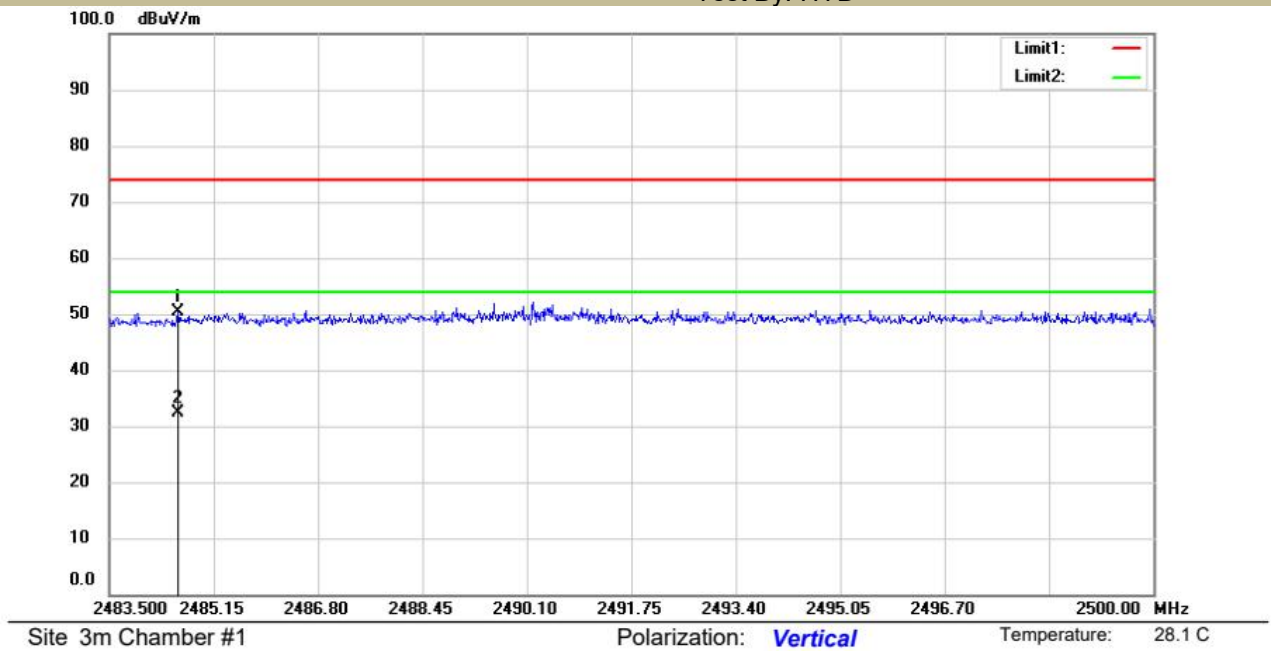




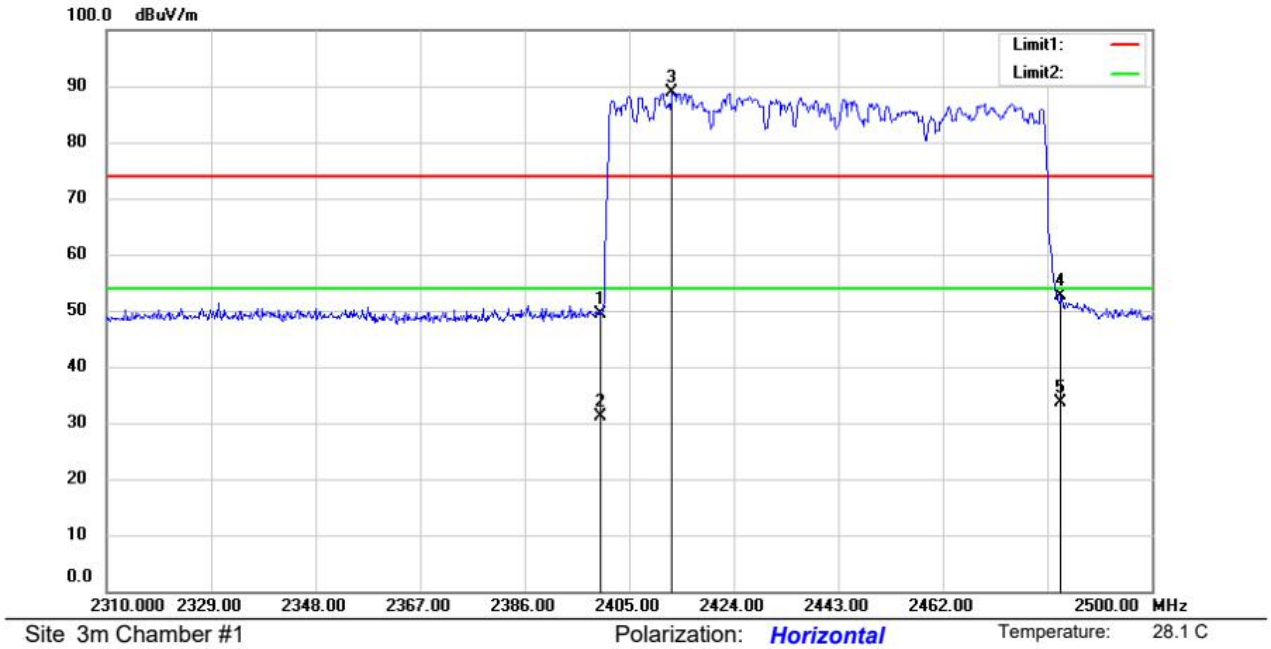
Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz BT Channel 78: 2480MHz	GFSK	H
		Test By: HYD	



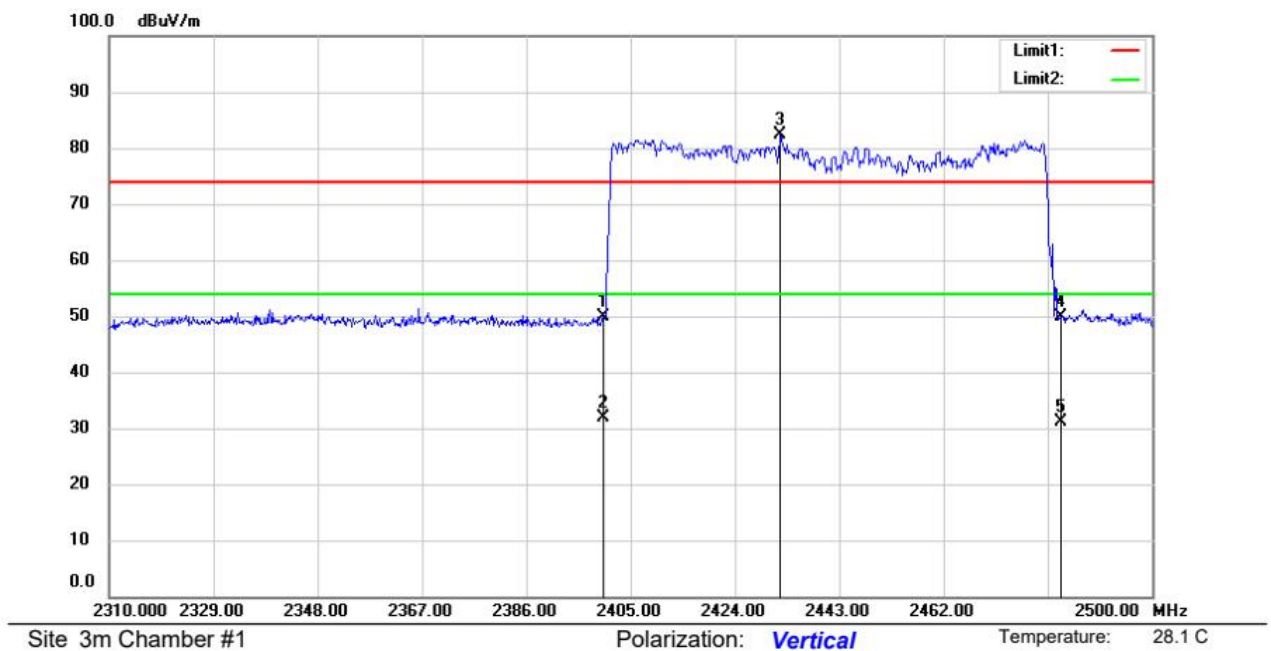
Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz BT Channel 78: 2480MHz	GFSK	V
		Test By: HYD	



Test Model: Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz  
 BT Hopping GFSK H  
 Test By: HYD



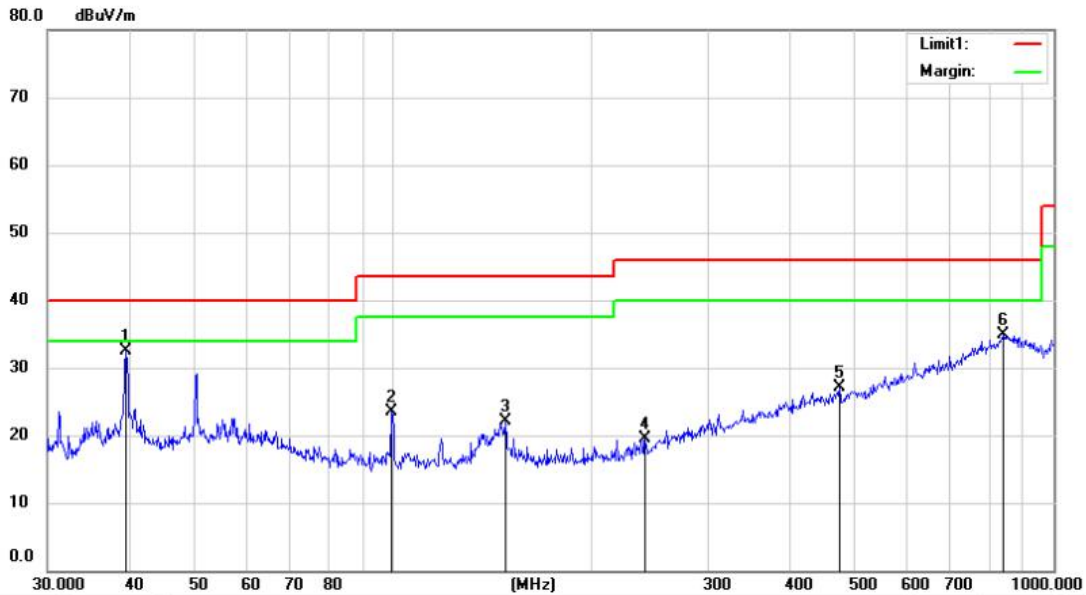
Test Model: Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz  
 BT Hopping GFSK V  
 Test By: HYD



■ Spurious Emission below 1GHz (30MHz to 1GHz)

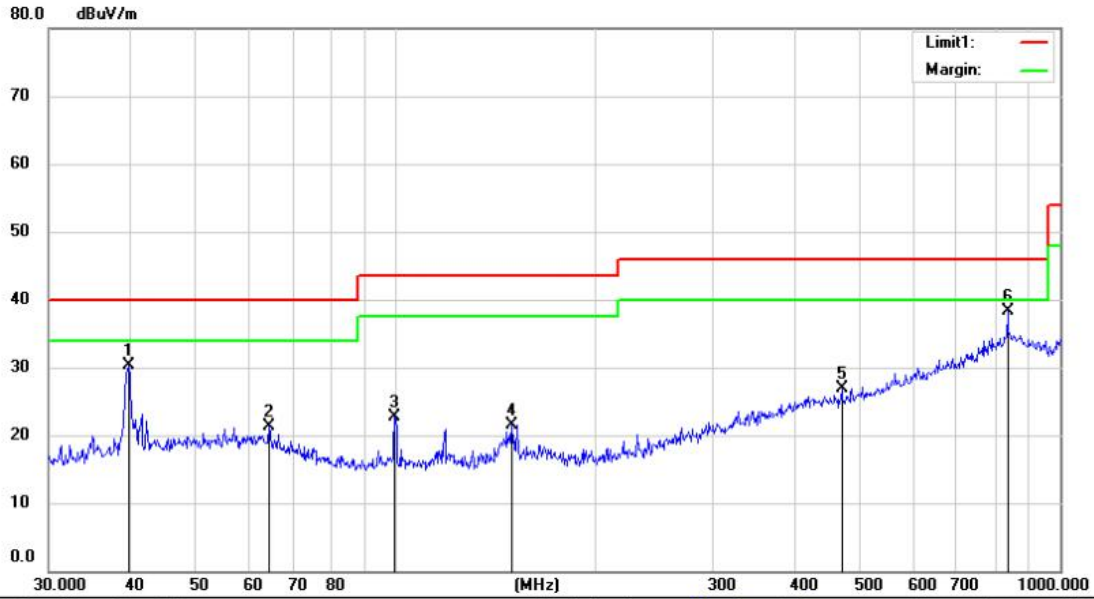
Bluetooth (GFSK, pi/4-DQPSK, 8DPSK) mode have been tested, and the worst result(GFSK) was report as below:

Test mode: GFSK Frequency: Channel 0: 2402MHz



Site 3m Chamber #1 Polarization: Vertical Temperature: 28.1 C

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Detector	Comment
1	*	39.5064	40.86	-8.36	32.50	40.00	-7.50			QP	
2		99.7902	33.89	-10.42	23.47	43.50	-20.03			QP	
3		147.9214	31.99	-9.79	22.20	43.50	-21.30			QP	
4		241.0416	27.49	-7.97	19.52	46.00	-26.48			QP	
5		474.0424	28.93	-1.80	27.13	46.00	-18.87			QP	
6		841.0230	28.36	6.55	34.91	46.00	-11.09			QP	



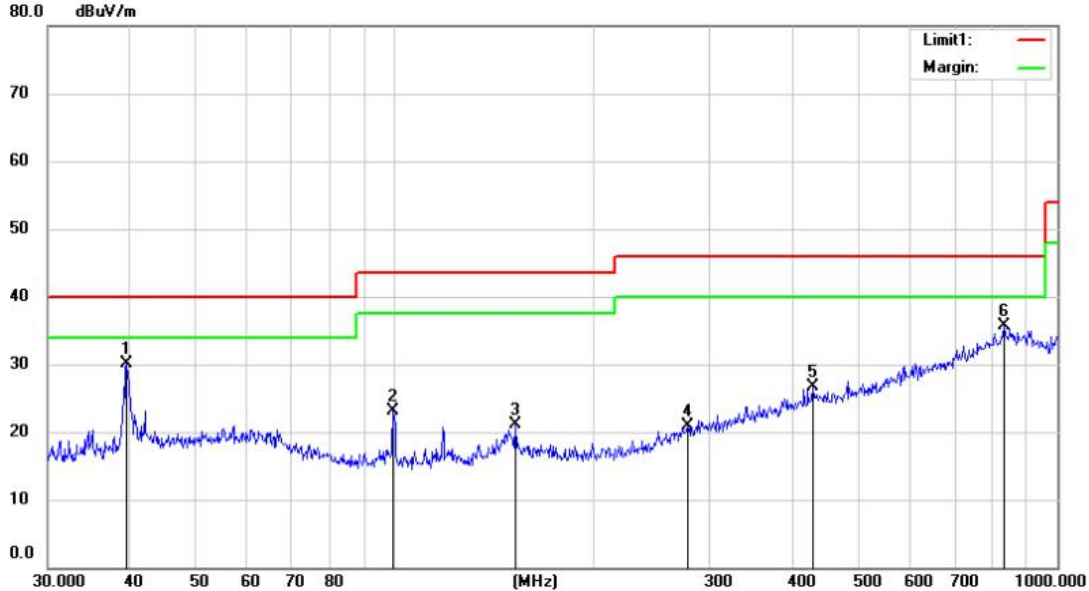
Site 3m Chamber #1

Polarization: *Horizontal*

Temperature: 28.1 C

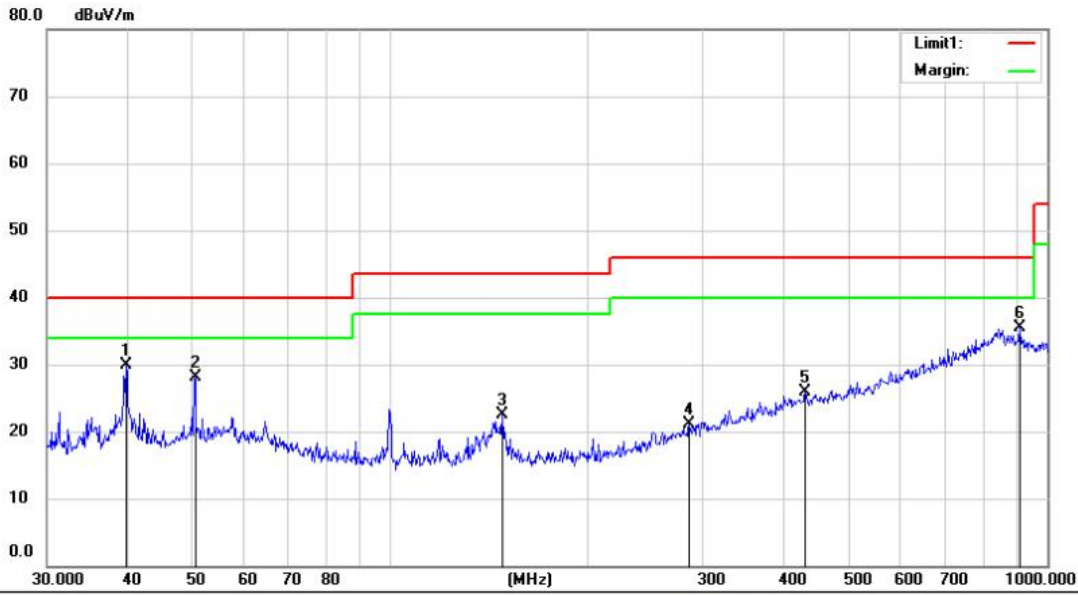
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	dBuV	Factor	ment	dBuV/m	dB	Height	Degree	Comment
				dB	dBuV/m	dBuV/m	dB	cm	degree	
1		39.6973	38.67	-8.30	30.37	40.00	-9.63	QP		
2		64.5461	28.94	-7.55	21.39	40.00	-18.61	QP		
3		99.7902	33.10	-10.42	22.68	43.50	-20.82	QP		
4		149.4857	31.21	-9.71	21.50	43.50	-22.00	QP		
5		469.9050	28.72	-1.79	26.93	46.00	-19.07	QP		
6	*	834.0480	31.82	6.43	38.25	46.00	-7.75	QP		

Test mode: GFSK      Frequency:      Channel 39: 2441MHz



Site 3m Chamber #1      Polarization: **Horizontal**      Temperature: 28.1 C

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	*	39.4371	38.49	-8.38	30.11	40.00	-9.89	QP		
2		99.8340	33.46	-10.42	23.04	43.50	-20.46	QP		
3		152.4635	30.86	-9.71	21.15	43.50	-22.35	QP		
4		277.8231	26.67	-5.83	20.84	46.00	-25.16	QP		
5		428.0193	28.57	-1.82	26.75	46.00	-19.25	QP		
6		831.1284	29.26	6.38	35.64	46.00	-10.36	QP		

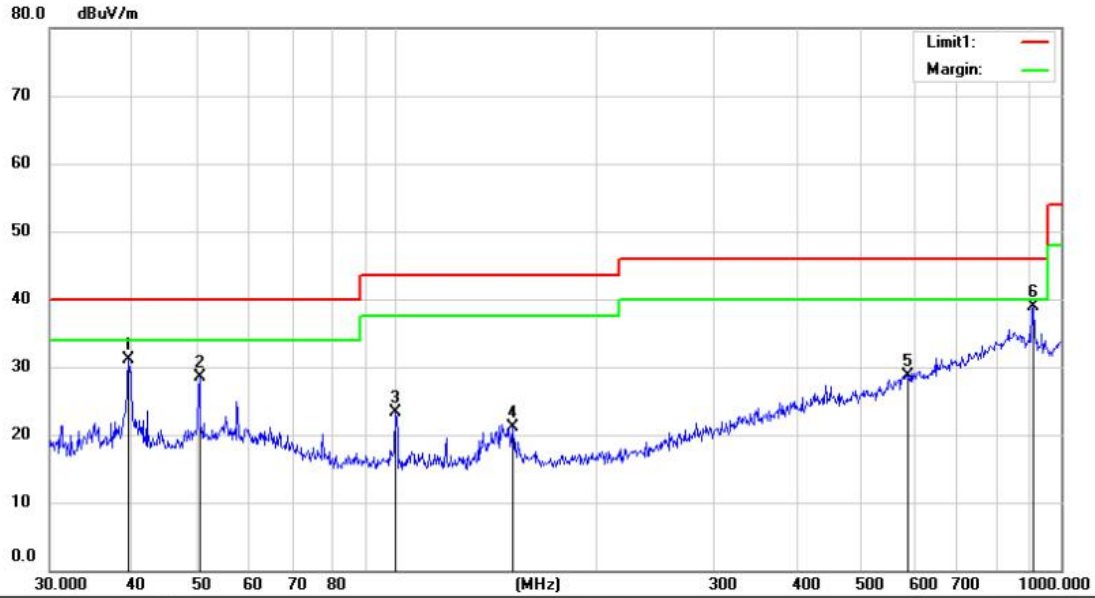


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 28.1 C

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1	*	39.5931	38.31	-8.33	29.98	40.00	-10.02			QP	
2		50.4310	35.58	-7.49	28.09	40.00	-11.91			QP	
3		148.1810	32.27	-9.78	22.49	43.50	-21.01			QP	
4		285.3517	26.87	-5.75	21.12	46.00	-24.88			QP	
5		428.9584	27.74	-1.77	25.97	46.00	-20.03			QP	
6		908.8696	30.16	5.39	35.55	46.00	-10.45			QP	

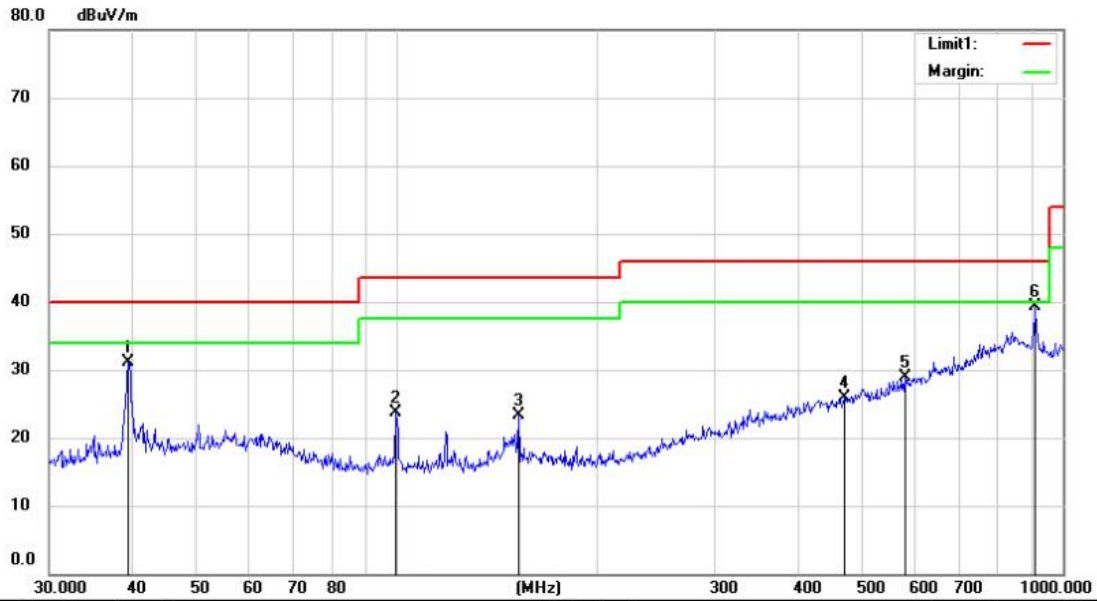


Test mode: GFSK Frequency: Channel 78: 2480MHz



Site 3m Chamber #1 Polarization: Vertical Temperature: 28.1 C

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		39.4545	39.41	-8.37	31.04	40.00	-8.96	QP		
2		50.4531	36.05	-7.49	28.56	40.00	-11.44	QP		
3		99.7902	33.65	-10.42	23.23	43.50	-20.27	QP		
4		149.4857	30.87	-9.71	21.16	43.50	-22.34	QP		
5		587.1010	28.18	0.57	28.75	46.00	-17.25	QP		
6	*	910.4645	33.63	5.37	39.00	46.00	-7.00	QP		



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 28.1 C

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		39.5584	39.41	-8.34	31.07	40.00	-8.93	QP		
2		99.7464	34.08	-10.42	23.66	43.50	-19.84	QP		
3		152.3967	33.11	-9.71	23.40	43.50	-20.10	QP		
4		471.1424	27.67	-1.80	25.87	46.00	-20.13	QP		
5		578.6700	28.35	0.46	28.81	46.00	-17.19	QP		
6	*	910.0655	33.94	5.38	39.32	46.00	-6.68	QP		



## 9.8 CONDUCTED EMISSION TEST

### 9.8.1 Applicable Standard

According to FCC Part 15.207(a).

### 9.8.2 Conformance Limit

Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note1: The lower limit shall apply at the transition frequencies.  
 Note2: The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 9.8.3 Test Configuration

Test according to clause 7.3 conducted emission test setup.

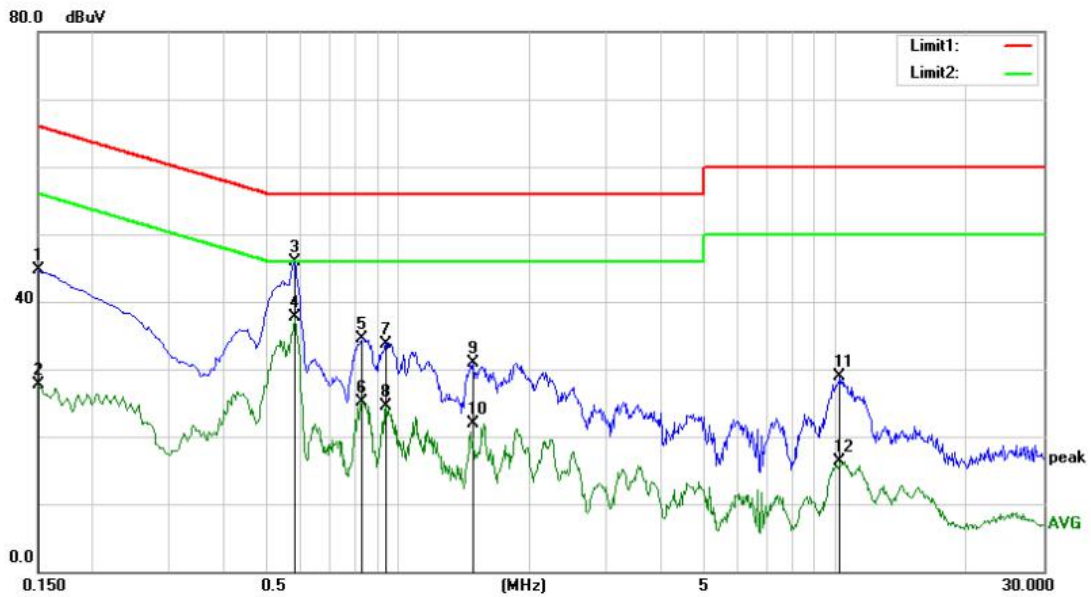
### 9.8.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.  
 Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
 Repeat above procedures until all frequency measured were complete.

### 9.8.5 Test Results

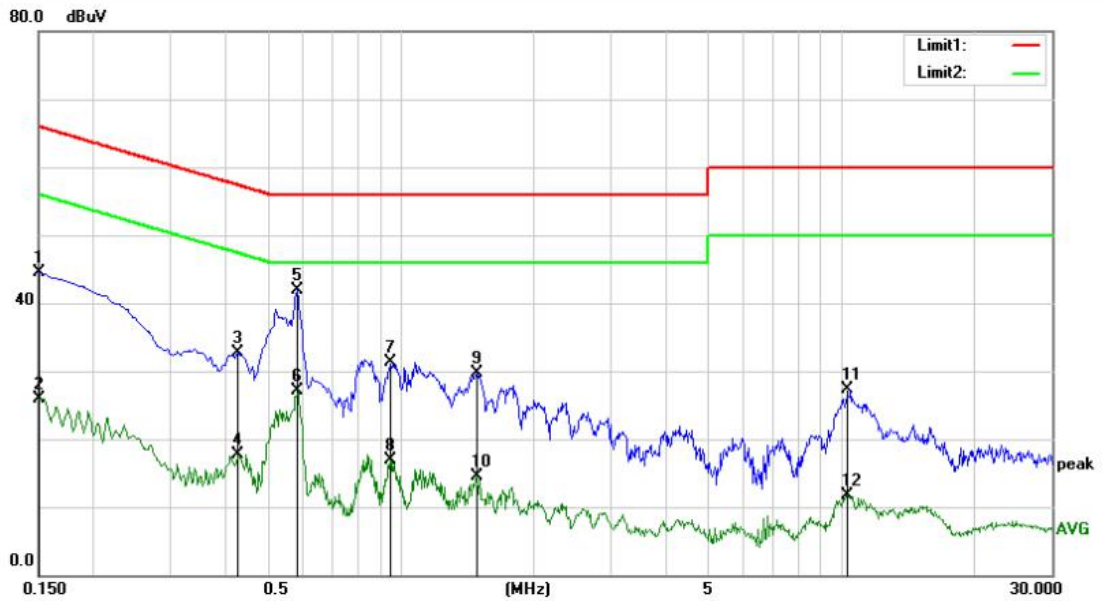
**Pass**

The 120V & 240V voltage have been tested, and the worst result recorded was report as below:



Site Conduction #1 Phase: **L1** Temperature: 21.9

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	35.08	9.53	44.61	66.00	-21.39	QP	
2		0.1500	18.15	9.53	27.68	56.00	-28.32	AVG	
3		0.5800	36.36	9.53	45.89	56.00	-10.11	QP	
4	*	0.5800	28.18	9.53	37.71	46.00	-8.29	AVG	
5		0.8300	25.00	9.54	34.54	56.00	-21.46	QP	
6		0.8300	15.66	9.54	25.20	46.00	-20.80	AVG	
7		0.9400	24.24	9.55	33.79	56.00	-22.21	QP	
8		0.9400	14.97	9.55	24.52	46.00	-21.48	AVG	
9		1.4800	21.31	9.55	30.86	56.00	-25.14	QP	
10		1.4800	12.32	9.55	21.87	46.00	-24.13	AVG	
11		10.2800	19.13	9.70	28.83	60.00	-31.17	QP	
12		10.2800	6.65	9.70	16.35	50.00	-33.65	AVG	



Site Conduction #1 Phase: **N** Temperature: 21.9

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	34.88	9.53	44.41	66.00	-21.59	QP	
2		0.1500	16.33	9.53	25.86	56.00	-30.14	AVG	
3		0.4250	23.09	9.54	32.63	57.35	-24.72	QP	
4		0.4250	8.09	9.54	17.63	47.35	-29.72	AVG	
5	*	0.5800	32.42	9.53	41.95	56.00	-14.05	QP	
6		0.5800	17.55	9.53	27.08	46.00	-18.92	AVG	
7		0.9450	21.72	9.55	31.27	56.00	-24.73	QP	
8		0.9450	7.34	9.55	16.89	46.00	-29.11	AVG	
9		1.4950	20.19	9.55	29.74	56.00	-26.26	QP	
10		1.4950	4.95	9.55	14.50	46.00	-31.50	AVG	
11		10.3300	17.53	9.70	27.23	60.00	-32.77	QP	
12		10.3300	2.00	9.70	11.70	50.00	-38.30	AVG	

## 9.9 ANTENNA APPLICATION

### 9.9.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 15.203	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 a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

### 9.9.2 Result

**PASS**

The EUT is PCB Antenna, the antenna gain is -0.58dBi.

- Antenna use a permanently attached antenna which is not replaceable.
- Not using a standard antenna jack or electrical connector for antenna replacement
- The antenna has to be professionally installed (please provide method of installation)

which in accordance to section 15.203, please refer to the internal photos.

Detail of factor for radiated emission:

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---