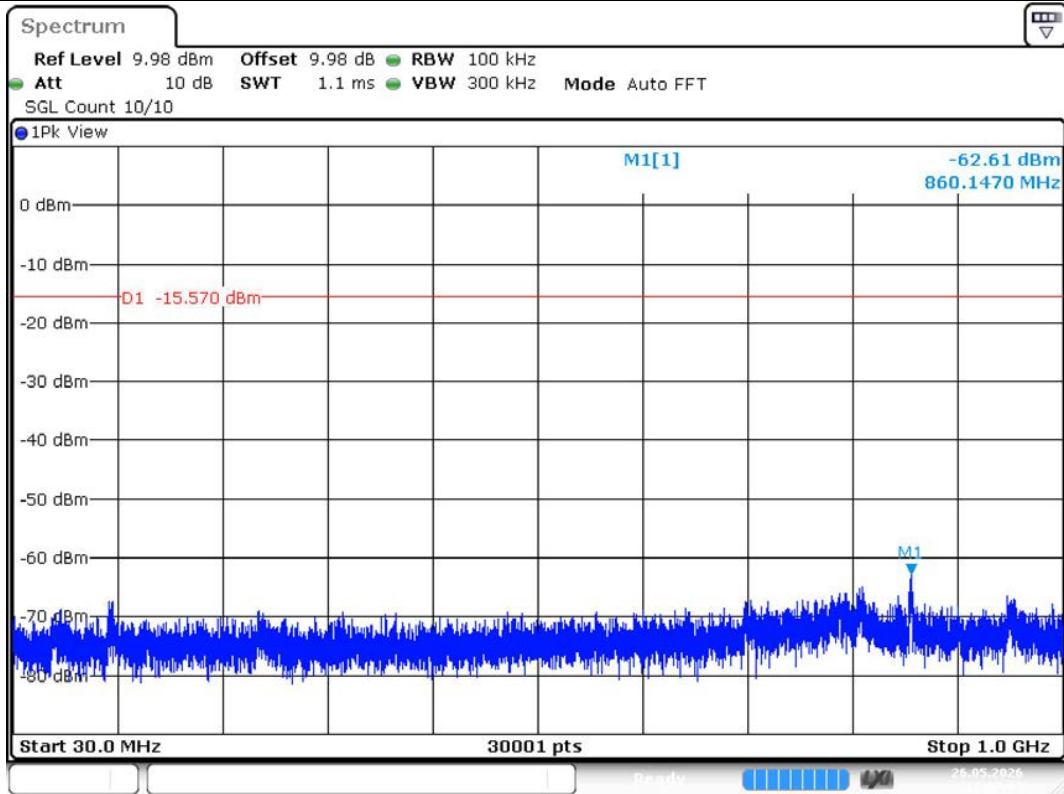


Conducted Spurious Emission

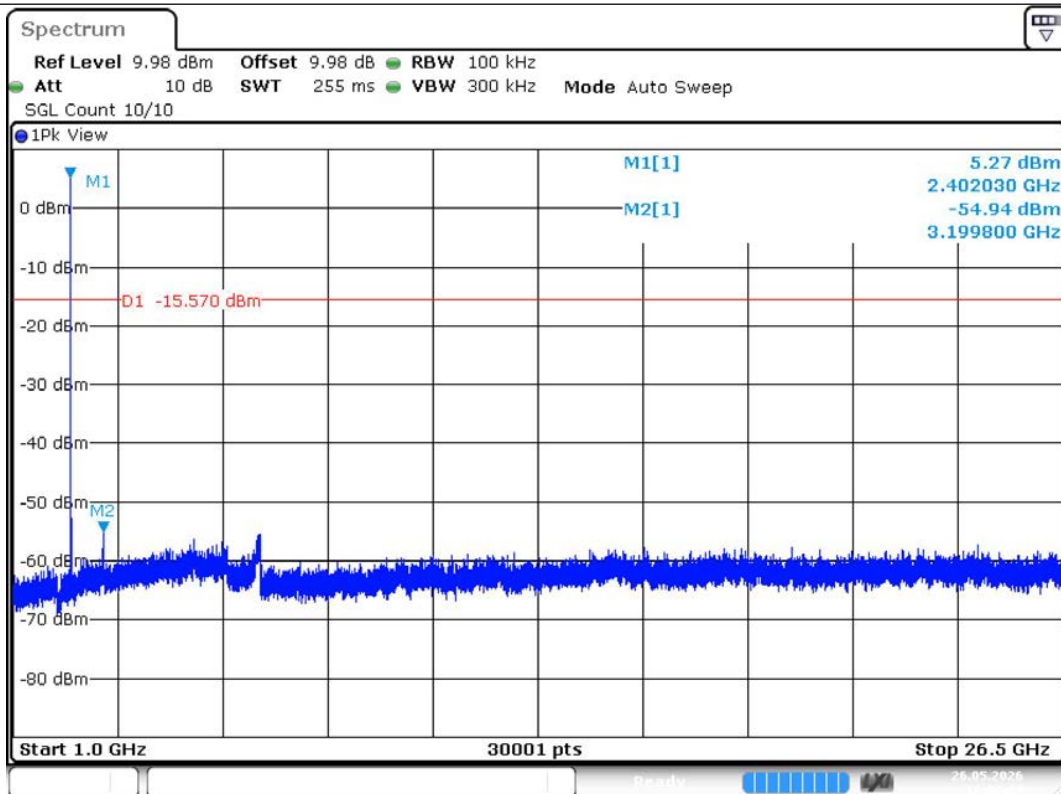
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	4.43	4.43	---	PASS
DH5	Ant1	2402	30~1000	4.43	-62.61	≤-15.57	PASS
DH5	Ant1	2402	1000~26500	4.43	-54.94	≤-15.57	PASS
DH5	Ant1	2441	0~Reference	4.00	4.00	---	PASS
DH5	Ant1	2441	30~1000	4.00	-63.34	≤-16	PASS
DH5	Ant1	2441	1000~26500	4.00	-55.12	≤-16	PASS
DH5	Ant1	2480	0~Reference	2.72	2.72	---	PASS
DH5	Ant1	2480	30~1000	2.72	-63.52	≤-17.28	PASS
DH5	Ant1	2480	1000~26500	2.72	-53.82	≤-17.28	PASS
2DH5	Ant1	2402	0~Reference	6.56	6.56	---	PASS
2DH5	Ant1	2402	30~1000	6.56	-63.82	≤-13.44	PASS
2DH5	Ant1	2402	1000~26500	6.56	-55.31	≤-13.44	PASS
2DH5	Ant1	2441	0~Reference	1.79	1.79	---	PASS
2DH5	Ant1	2441	30~1000	1.79	-58.64	≤-18.21	PASS
2DH5	Ant1	2441	1000~26500	1.79	-54.66	≤-18.21	PASS
2DH5	Ant1	2480	0~Reference	2.45	2.45	---	PASS
2DH5	Ant1	2480	30~1000	2.45	-56.07	≤-17.55	PASS
2DH5	Ant1	2480	1000~26500	2.45	-54.81	≤-17.55	PASS
3DH5	Ant1	2402	0~Reference	1.77	1.77	---	PASS
3DH5	Ant1	2402	30~1000	1.77	-65.62	≤-18.23	PASS
3DH5	Ant1	2402	1000~26500	1.77	-55.44	≤-18.23	PASS
3DH5	Ant1	2441	0~Reference	6.48	6.48	---	PASS
3DH5	Ant1	2441	30~1000	6.48	-65.58	≤-13.52	PASS
3DH5	Ant1	2441	1000~26500	6.48	-55.6	≤-13.52	PASS
3DH5	Ant1	2480	0~Reference	3.39	3.39	---	PASS
3DH5	Ant1	2480	30~1000	3.39	-64.39	≤-16.61	PASS
3DH5	Ant1	2480	1000~26500	3.39	-54.9	≤-16.61	PASS



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



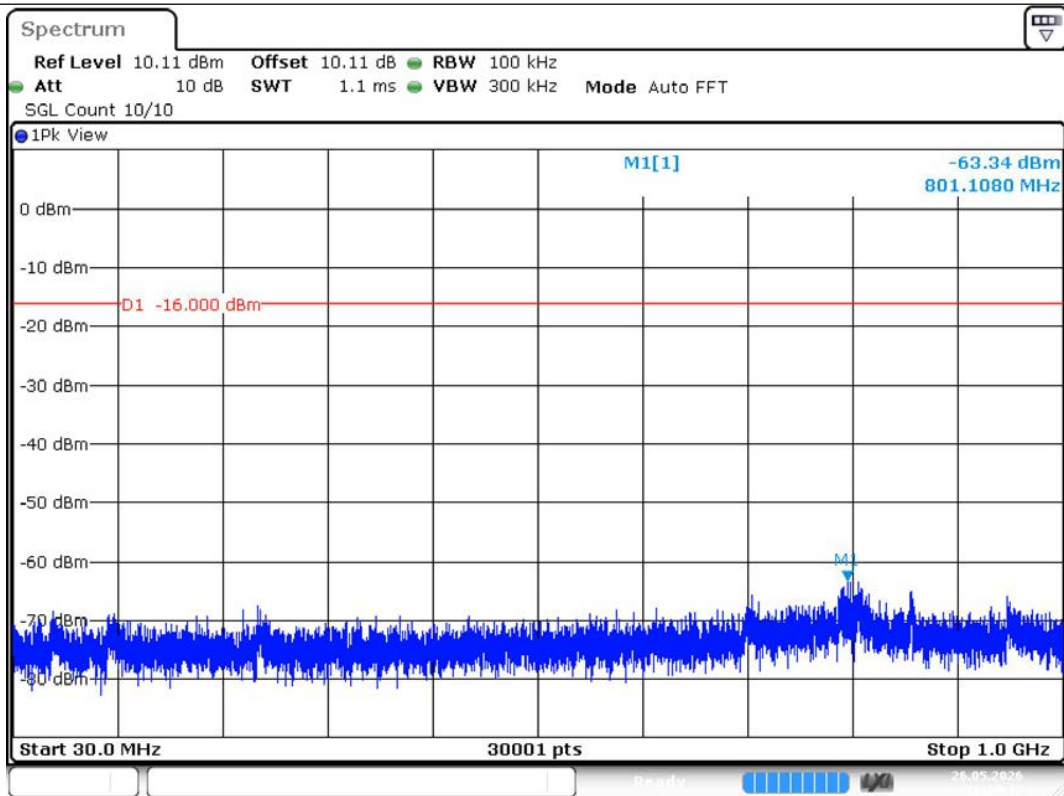
Date: 26.MAY.2026 17:28:25

DH5-Ant1-2402-1000~26500-PASS

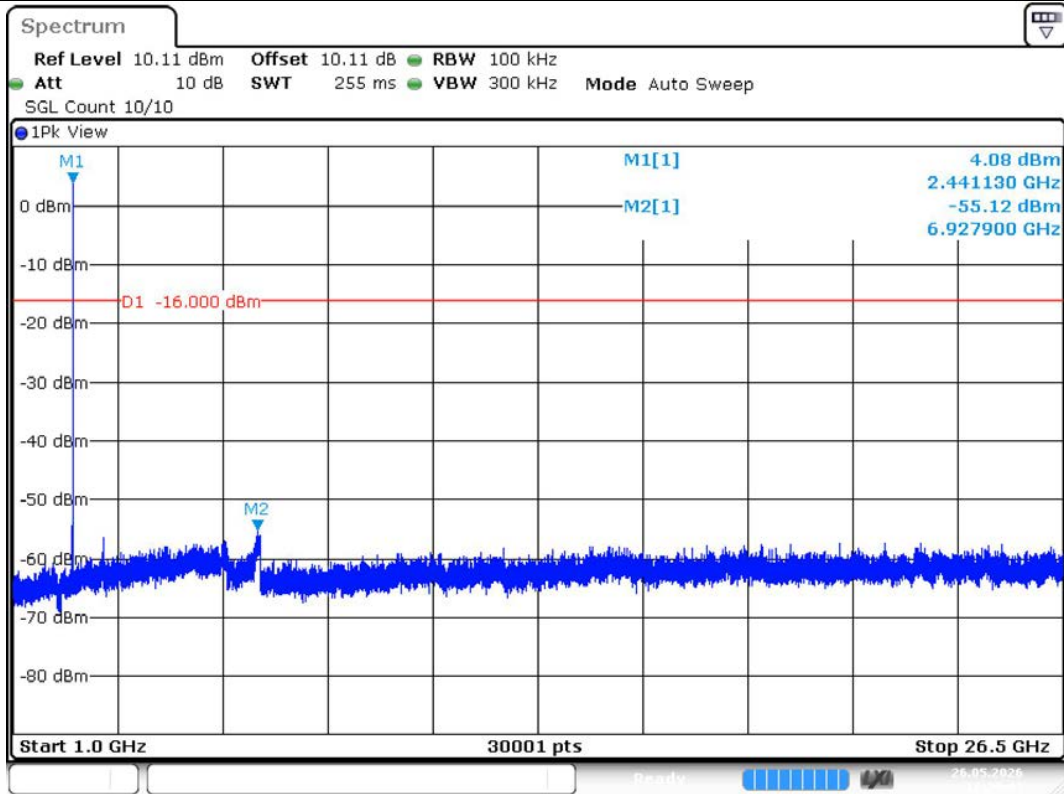


Date: 26.MAY.2026 17:29:11

DH5-Ant1-2441-0~Reference-PASS



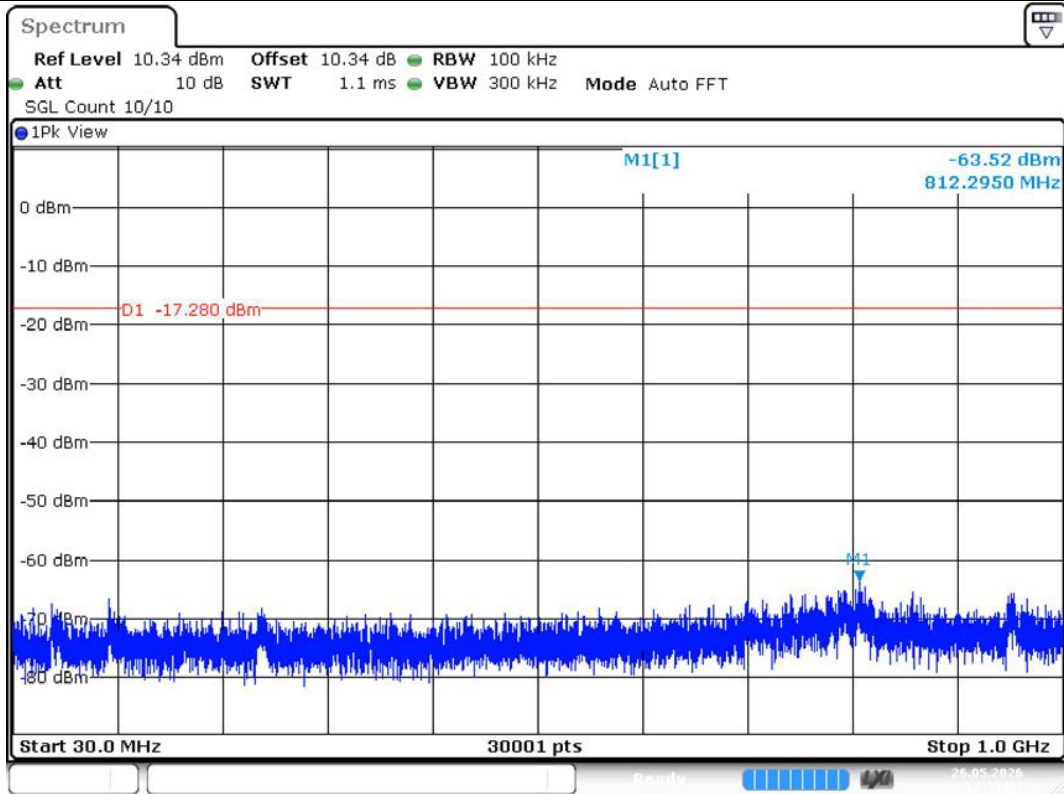
DH5-Ant1-2441-30~1000-PASS



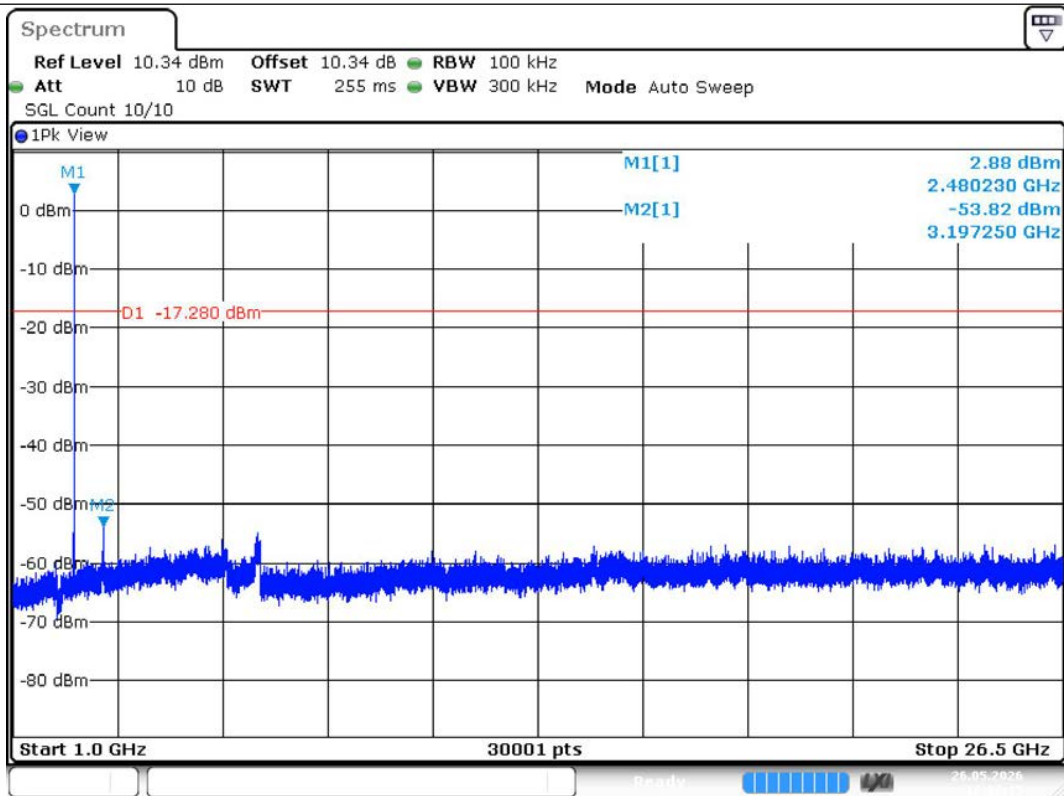
DH5-Ant1-2441-1000~26500-PASS



DH5-Ant1-2480-0~Reference-PASS

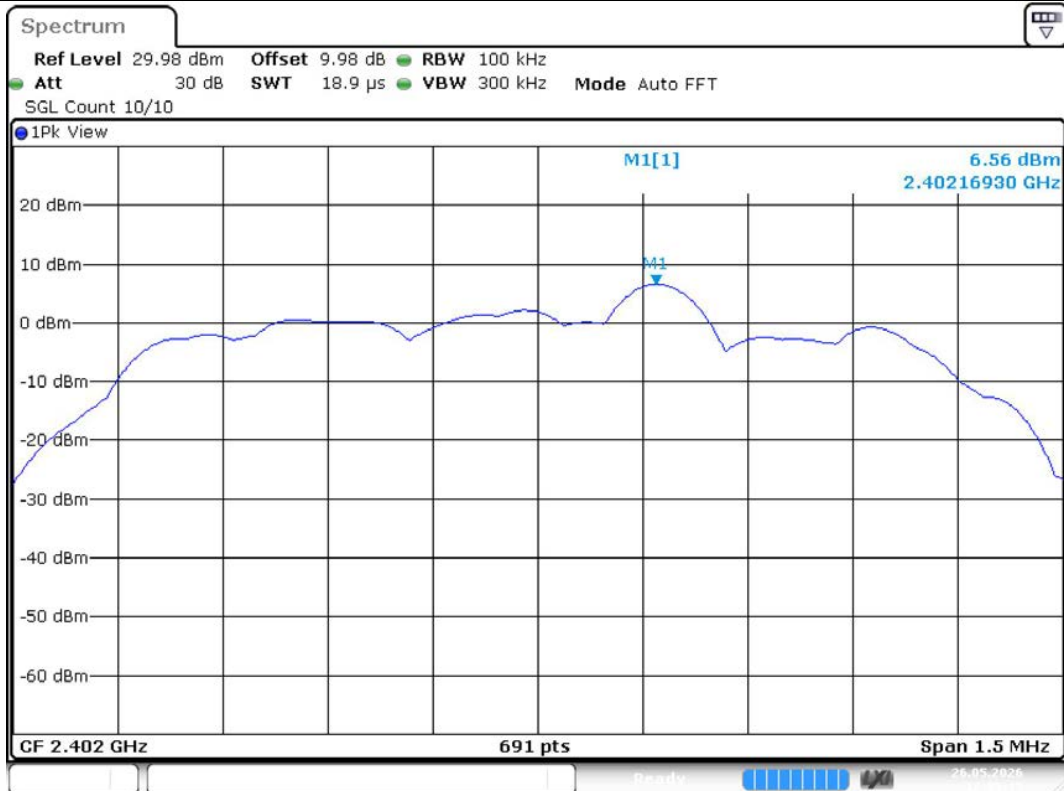


DH5-Ant1-2480-30~1000-PASS



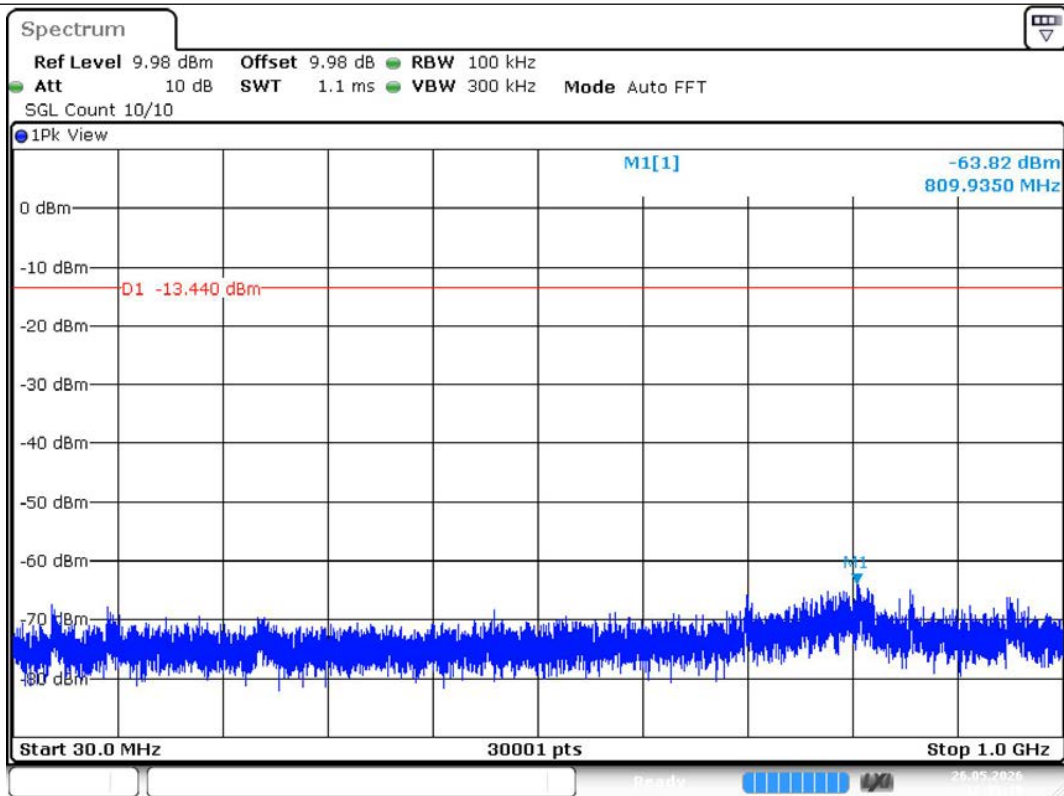
Date: 26.MAY.2026 17:32:15

DH5-Ant1-2480-1000~26500-PASS

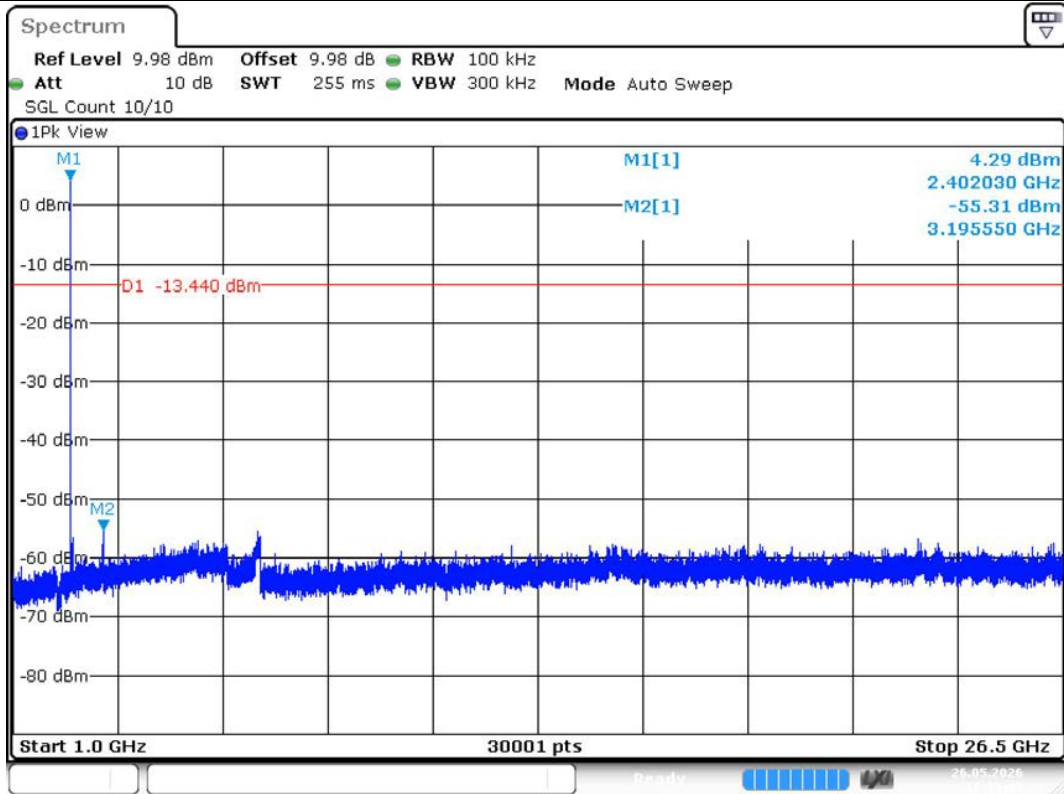


Date: 26.MAY.2026 17:35:13

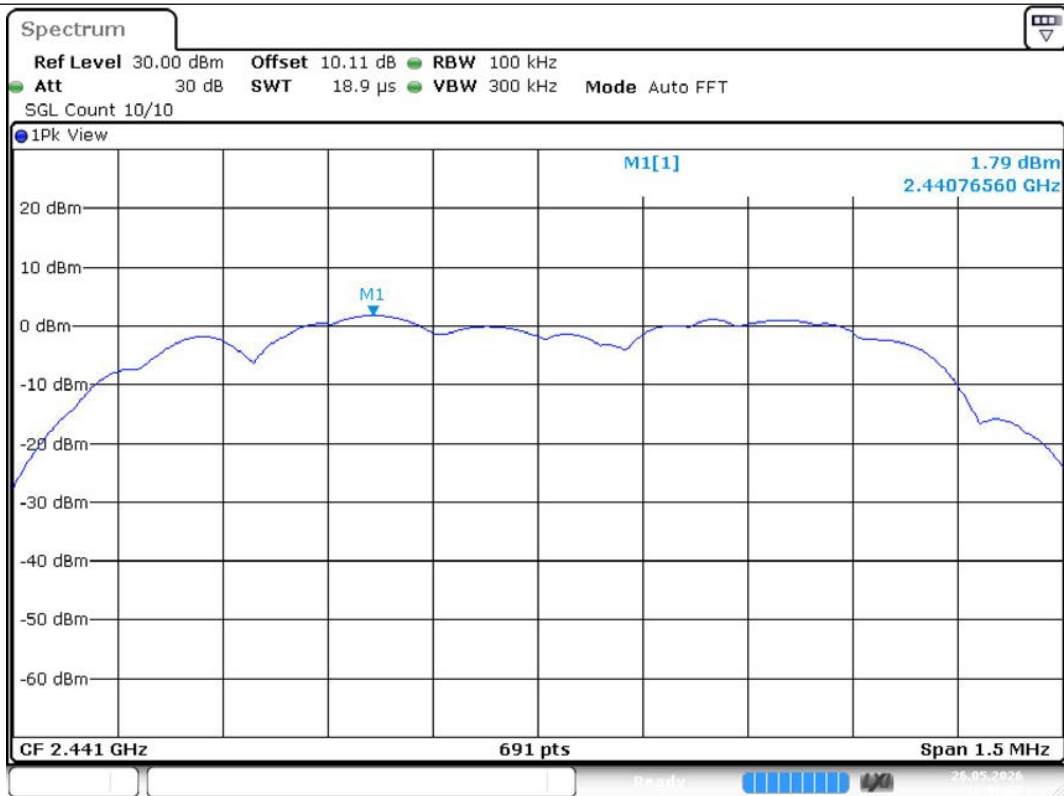
2DH5-Ant1-2402-0~Reference-PASS



2DH5-Ant1-2402-30~1000-PASS

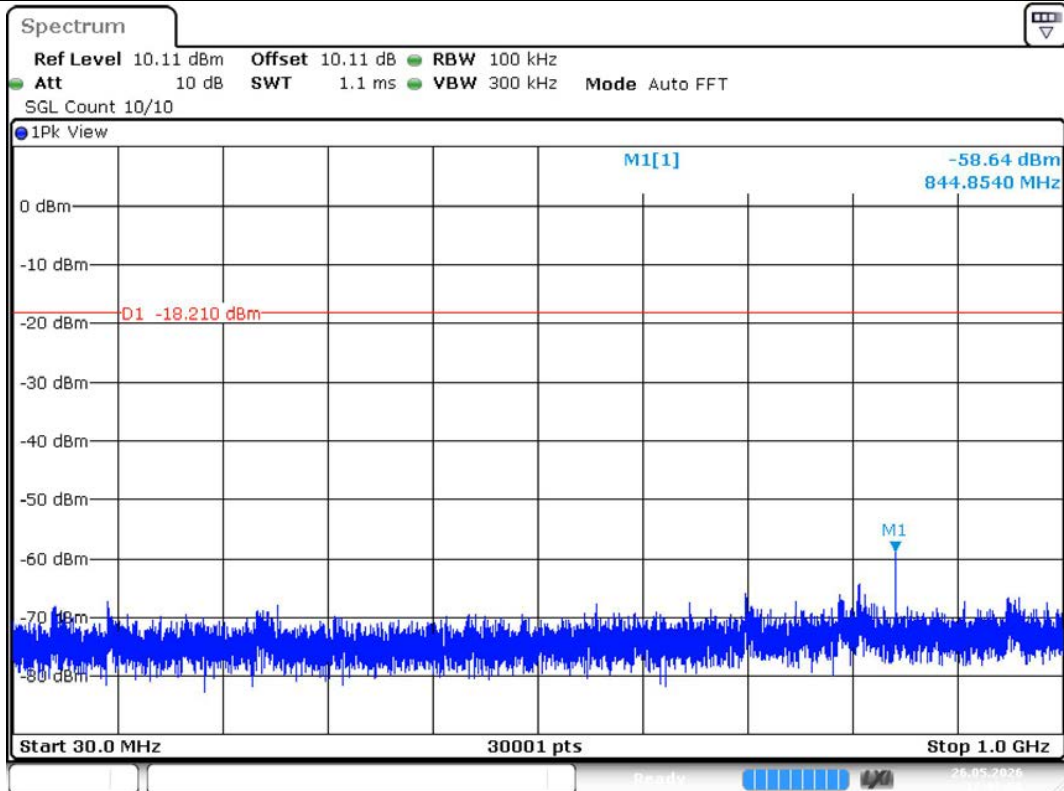


2DH5-Ant1-2402-1000~26500-PASS



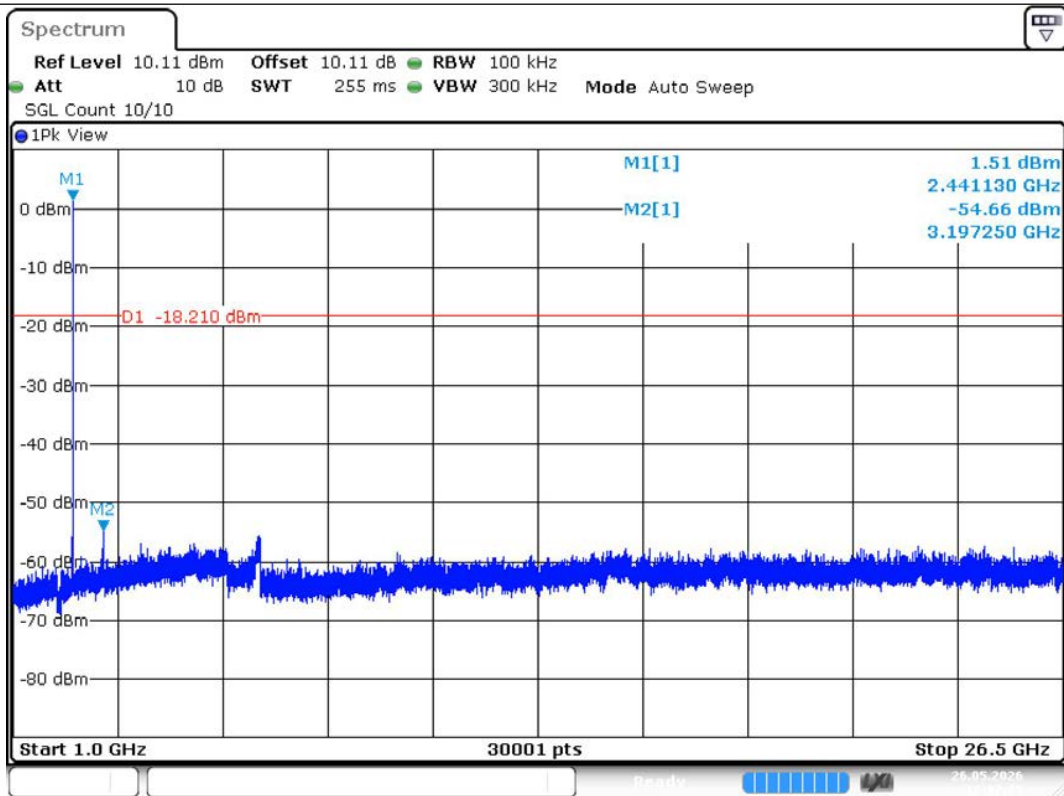
Date: 26.MAY.2026 17:36:52

2DH5-Ant1-2441-0~Reference-PASS

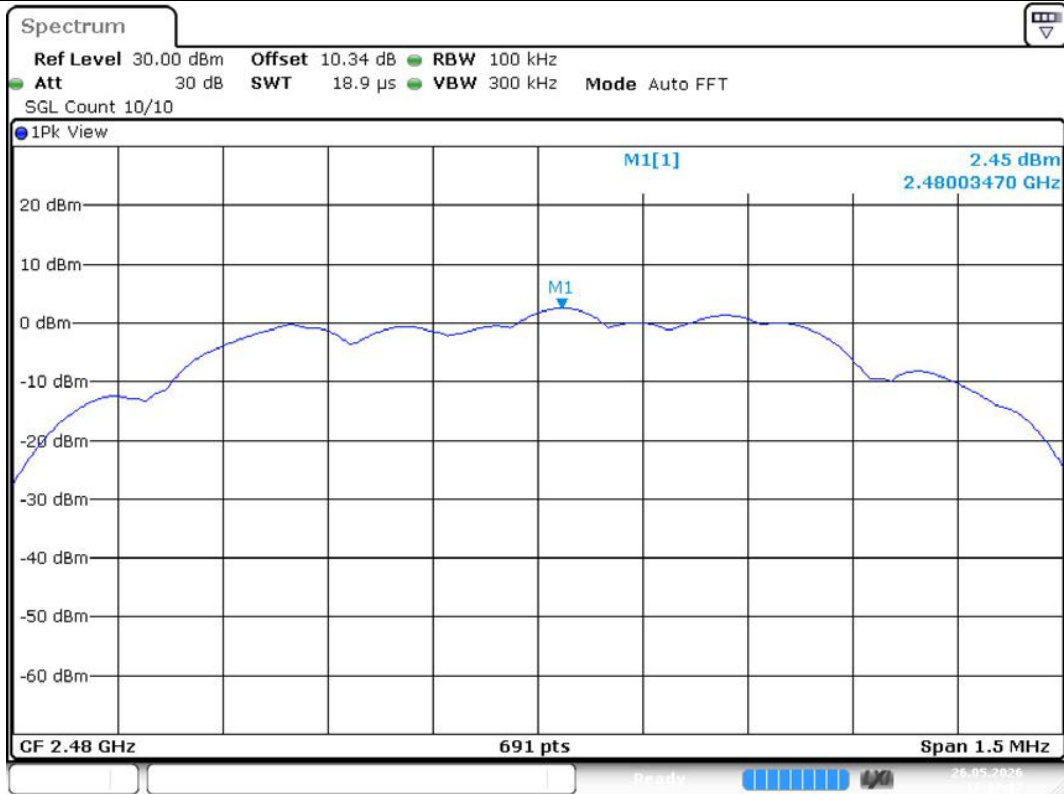


Date: 26.MAY.2026 17:36:59

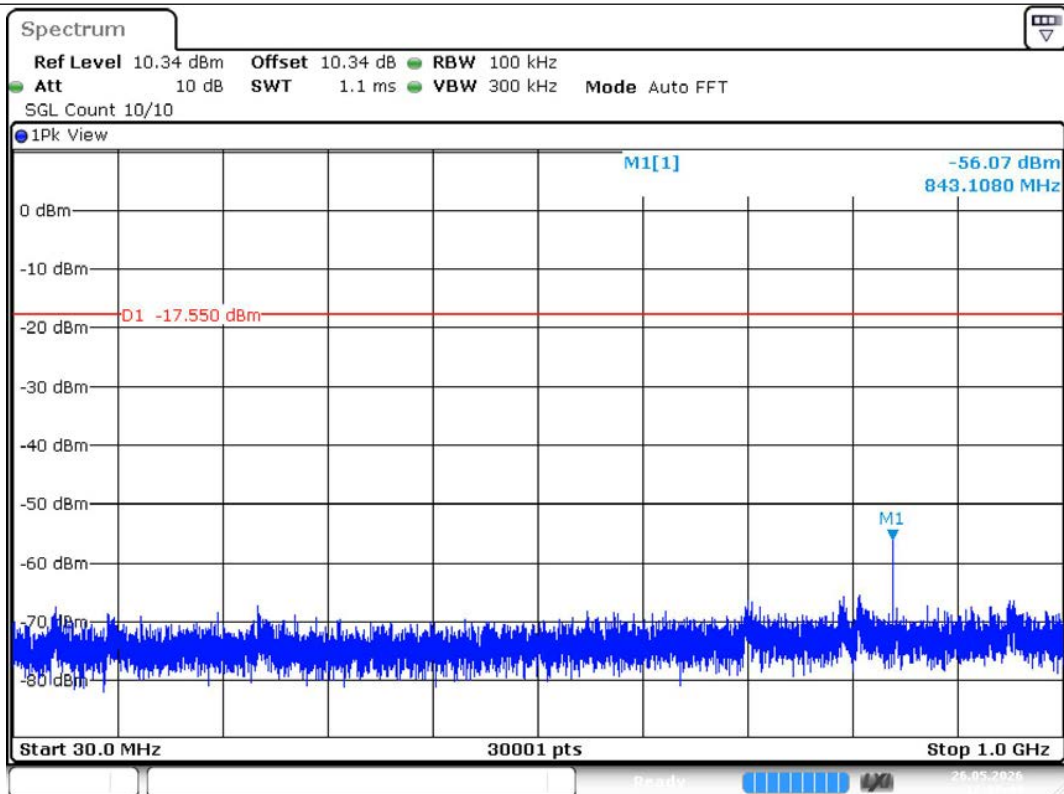
2DH5-Ant1-2441-30~1000-PASS



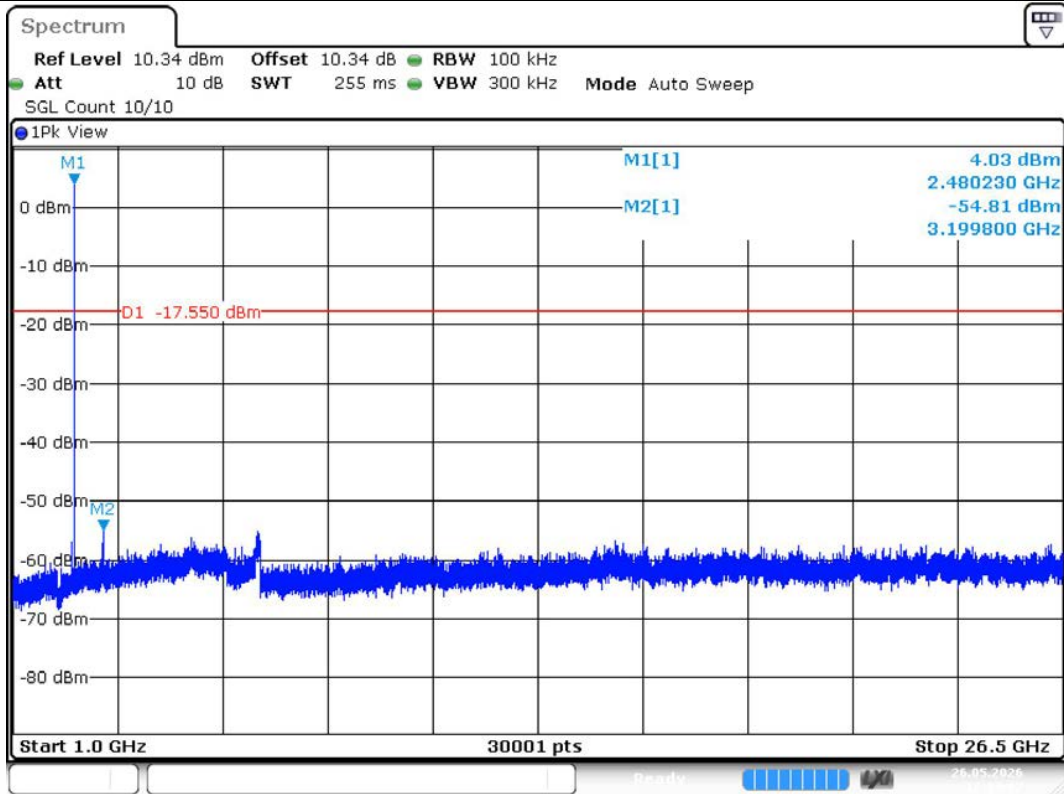
2DH5-Ant1-2441-1000~26500-PASS



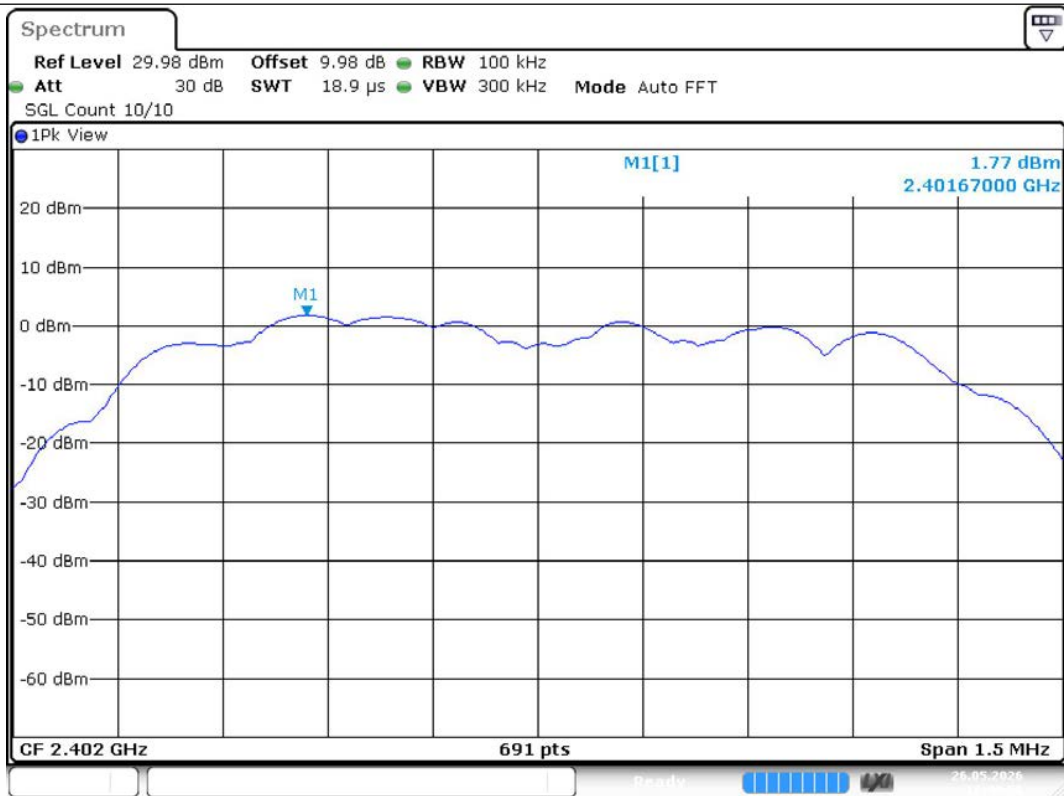
2DH5-Ant1-2480-0~Reference-PASS



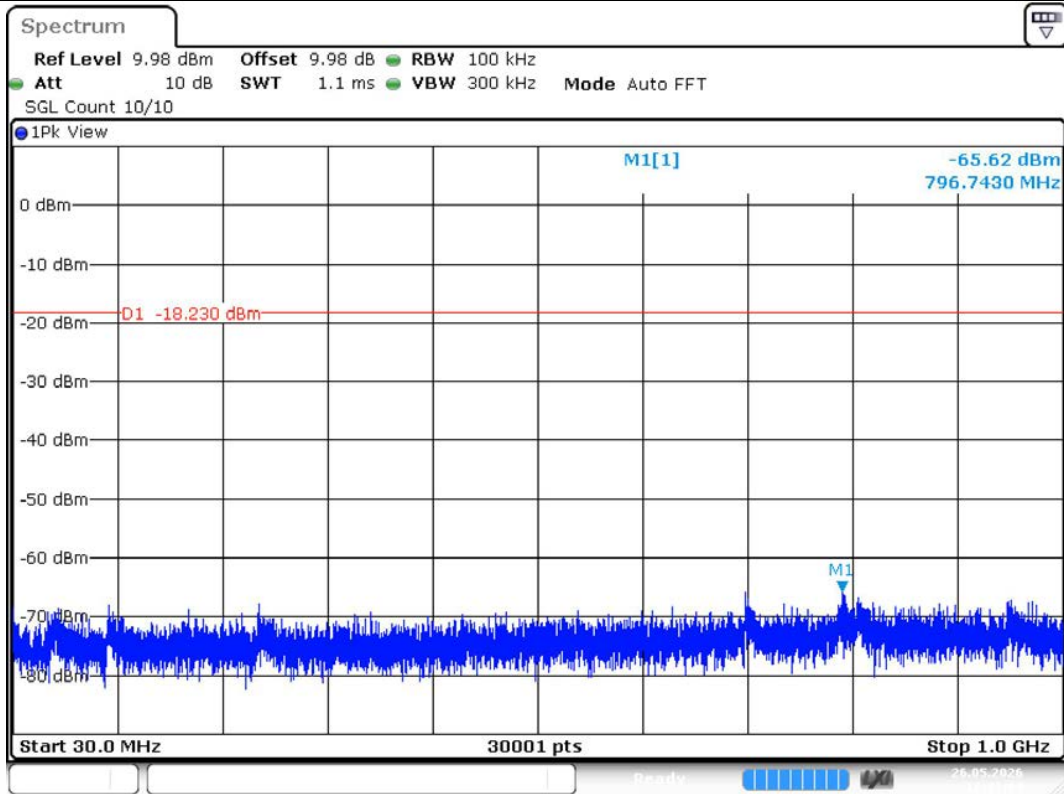
2DH5-Ant1-2480-30~1000-PASS



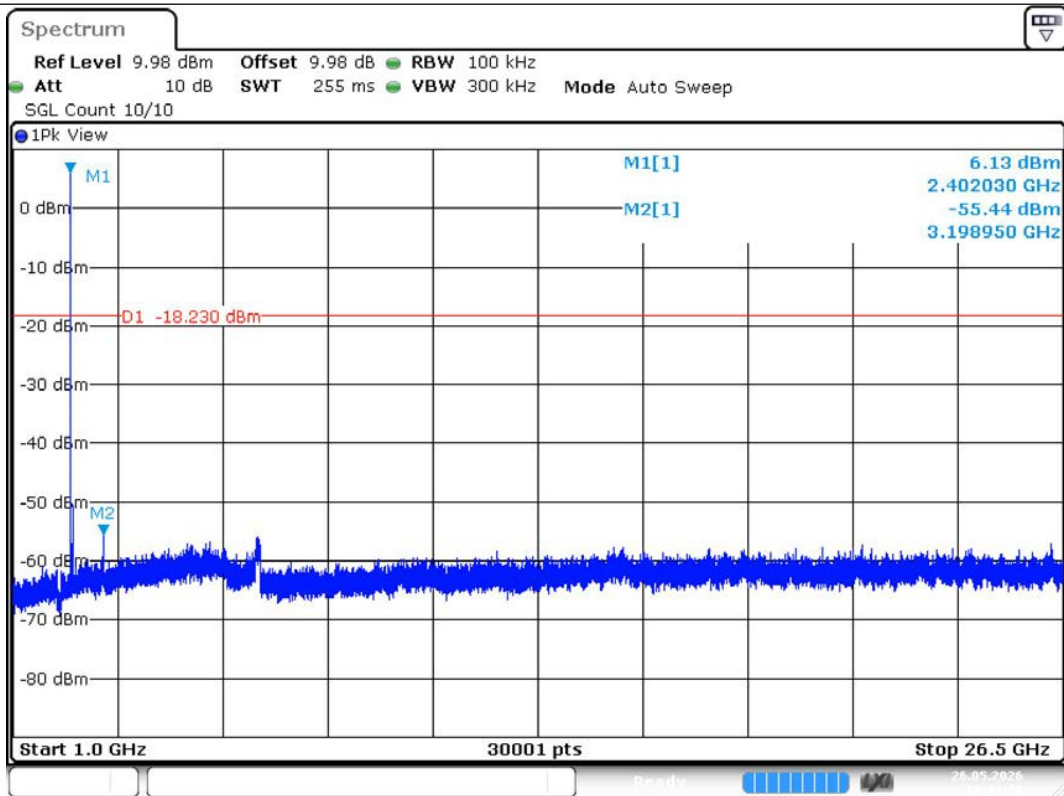
2DH5-Ant1-2480-1000~26500-PASS



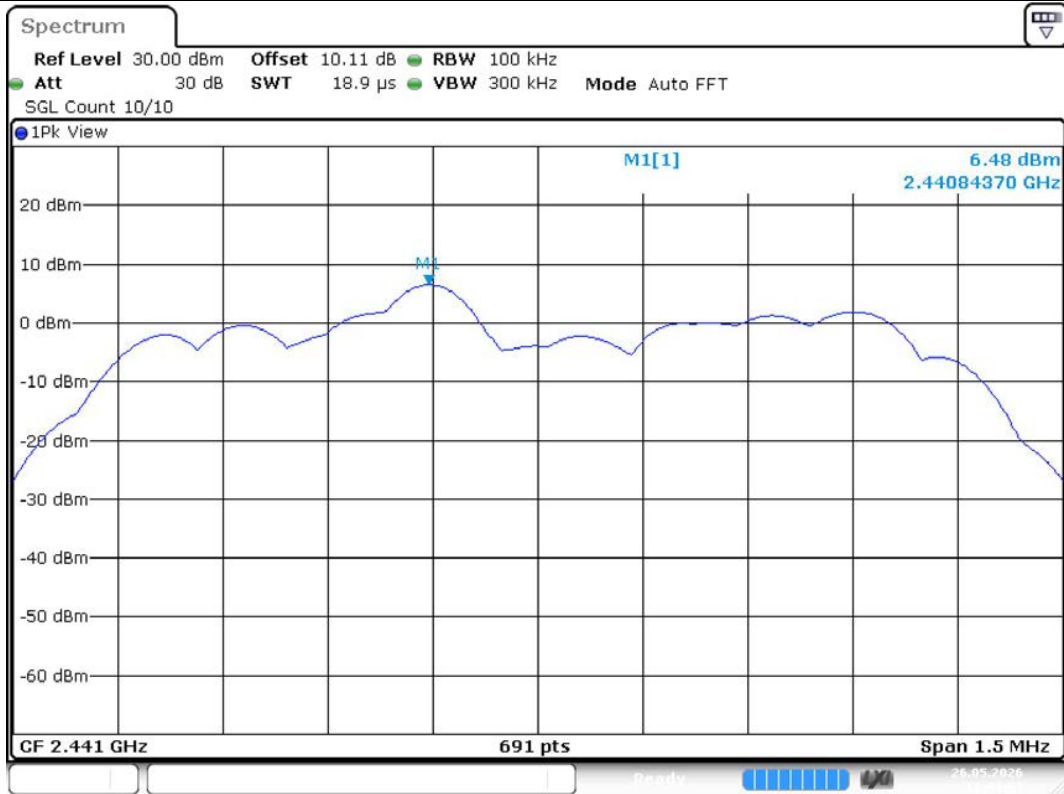
3DH5-Ant1-2402-0~Reference-PASS



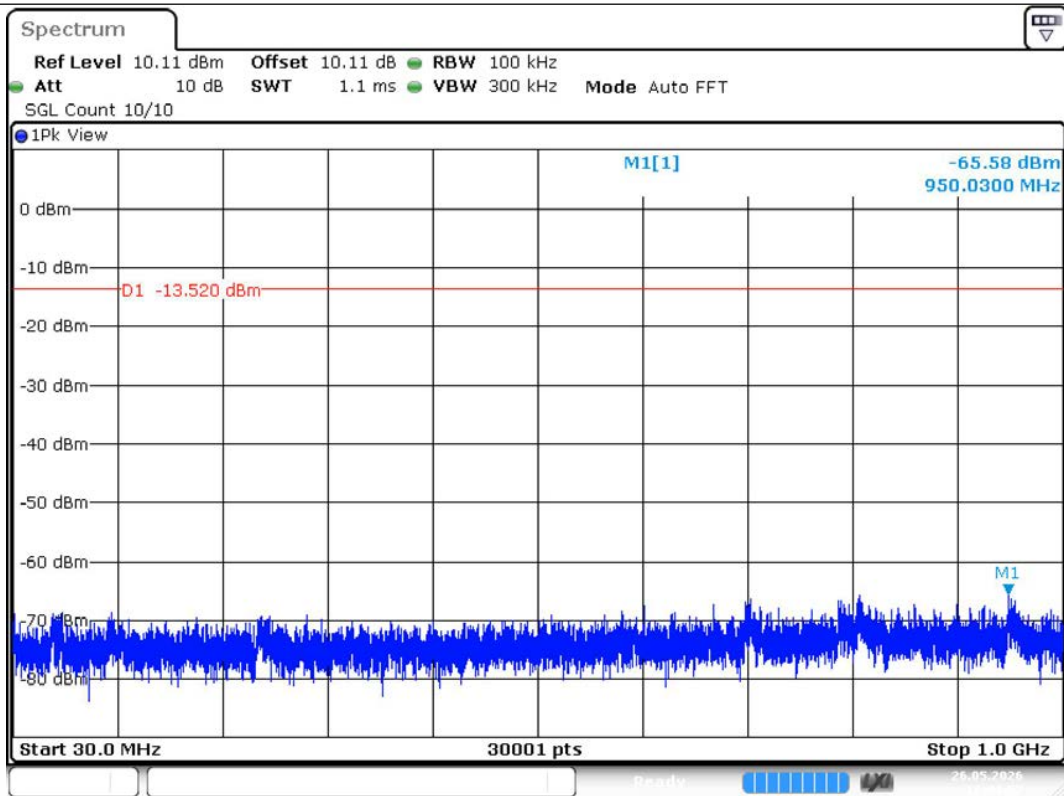
3DH5-Ant1-2402-30~1000-PASS



3DH5-Ant1-2402-1000~26500-PASS

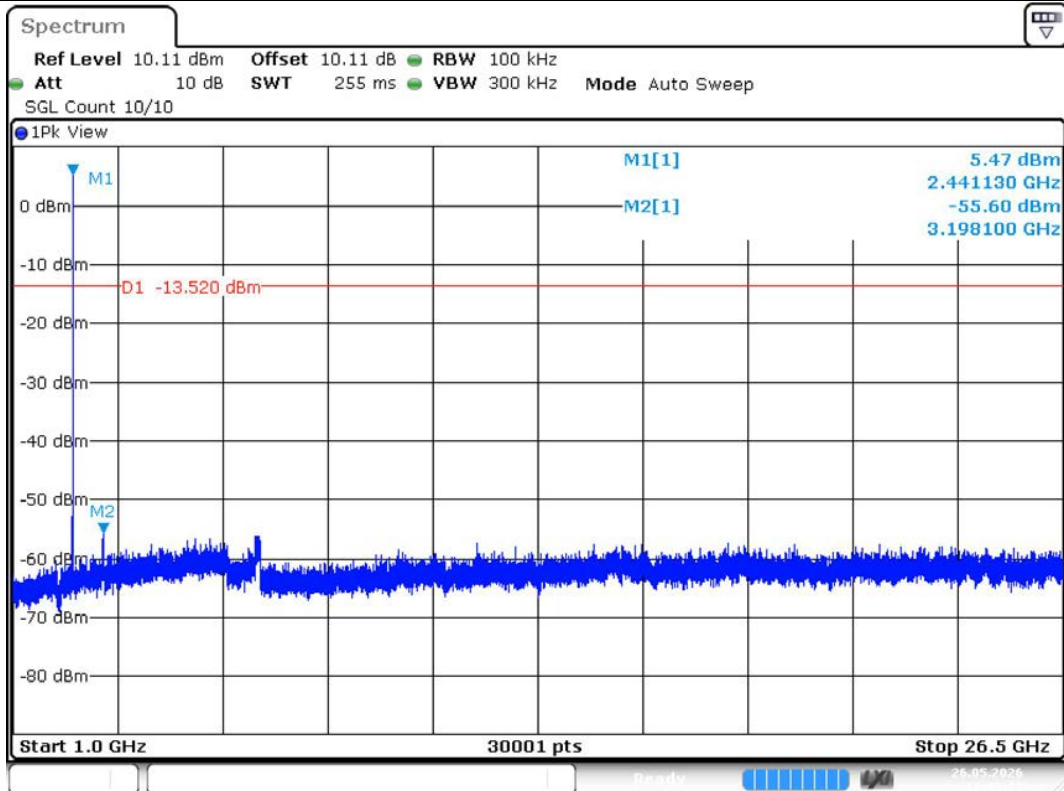


3DH5-Ant1-2441-0~Reference-PASS



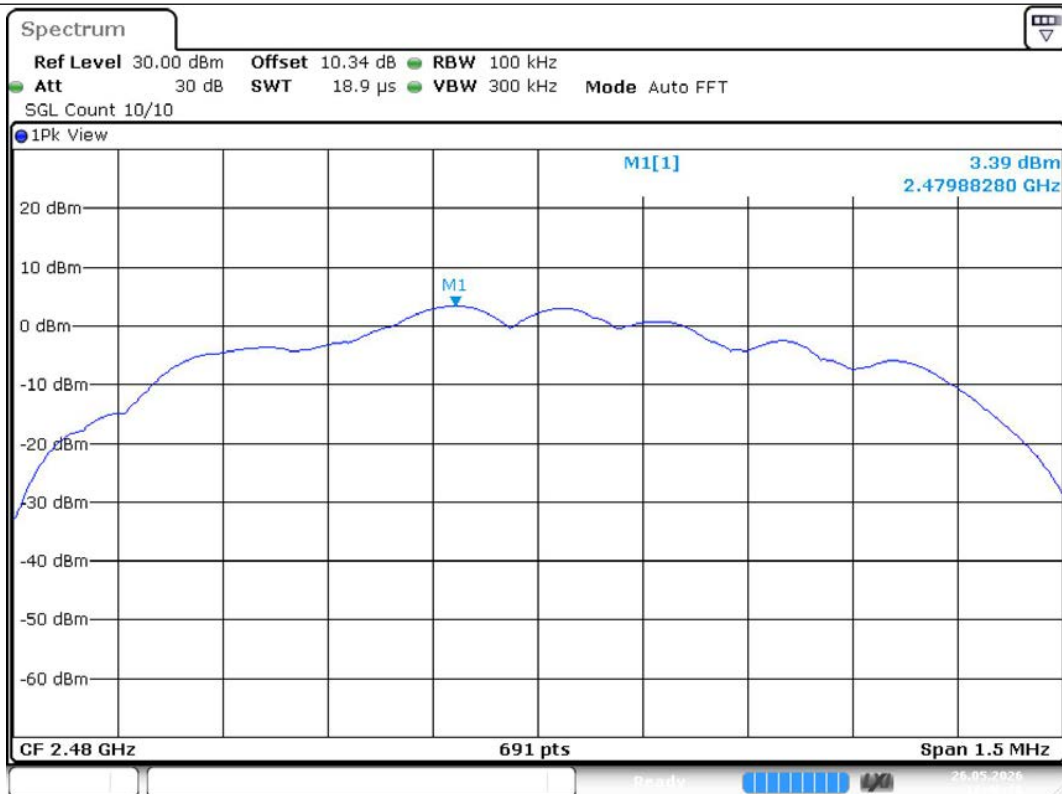
Date: 26.MAY.2026 17:44:58

3DH5-Ant1-2441-30~1000-PASS



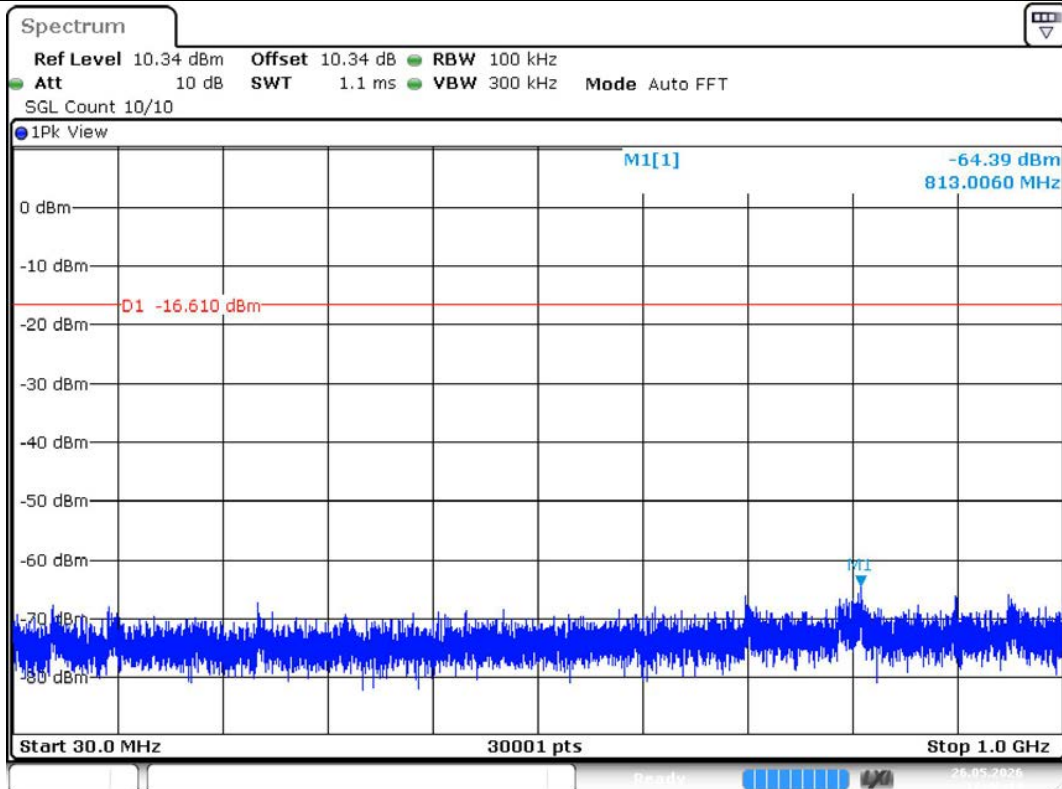
Date: 26.MAY.2026 17:45:22

3DH5-Ant1-2441-1000~26500-PASS



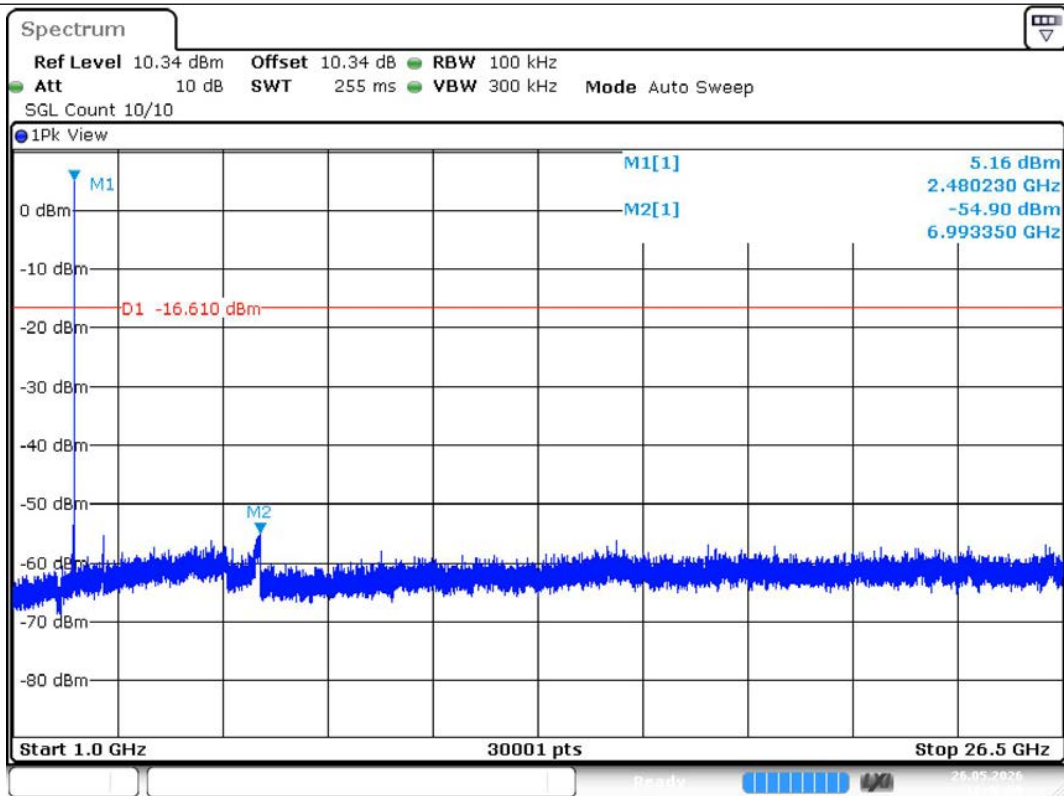
Date: 26.MAY.2026 17:46:28

3DH5-Ant1-2480-0~Reference-PASS



Date: 26.MAY.2026 17:46:35

3DH5-Ant1-2480-30~1000-PASS



Date: 26.MAY.2026 17:46:59

3DH5-Ant1-2480-1000~26500-PASS

9.7 RADIATED SPURIOUS EMISSION

9.7.1 Applicable Standard

According to FCC Part 15.247(d), 15.205, 15.209 and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02
According to IC RSS-Gen and RSS-247

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 (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log (uV/m)	300
0.490-1.705	24000/F(KHz)	20 log (uV/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 ≥ 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 for

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 C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 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:	60%
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: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor = $40\log(\text{Specific distance}/\text{test distance})$ (dB);

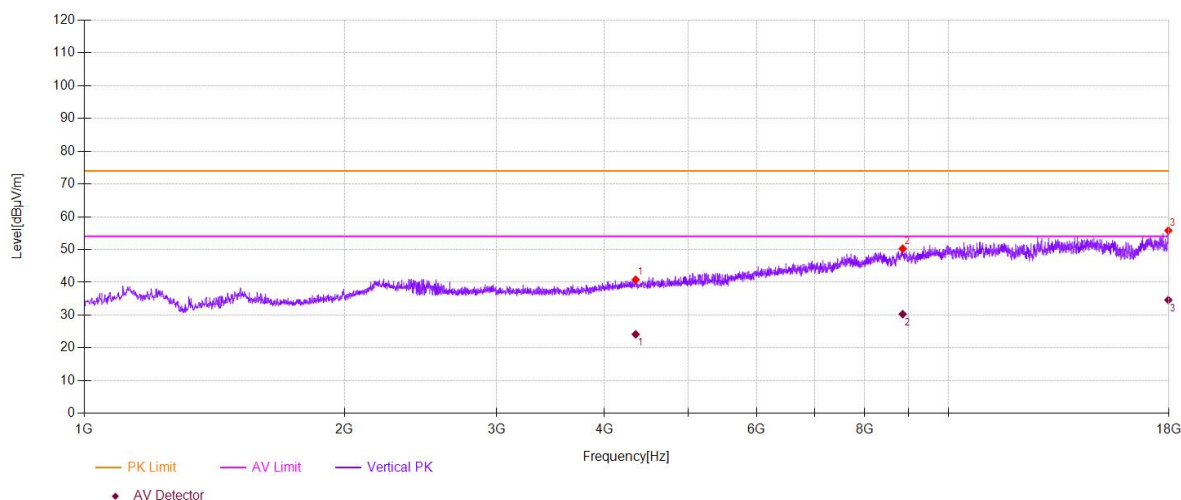
Limit line = Specific limits(dBuV) + distance extrapolation factor

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

All the antenna(Antenna 1) and modes(GFSK, $\pi/4$ -DQPSK, 8DPSK) mode have been tested, and the worst(Antenna 1,GFSK) result recorded was report as below:

no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 1GHz to 18 GHz.

Test mode: GFSK Frequency: Channel 0: 2402MHz

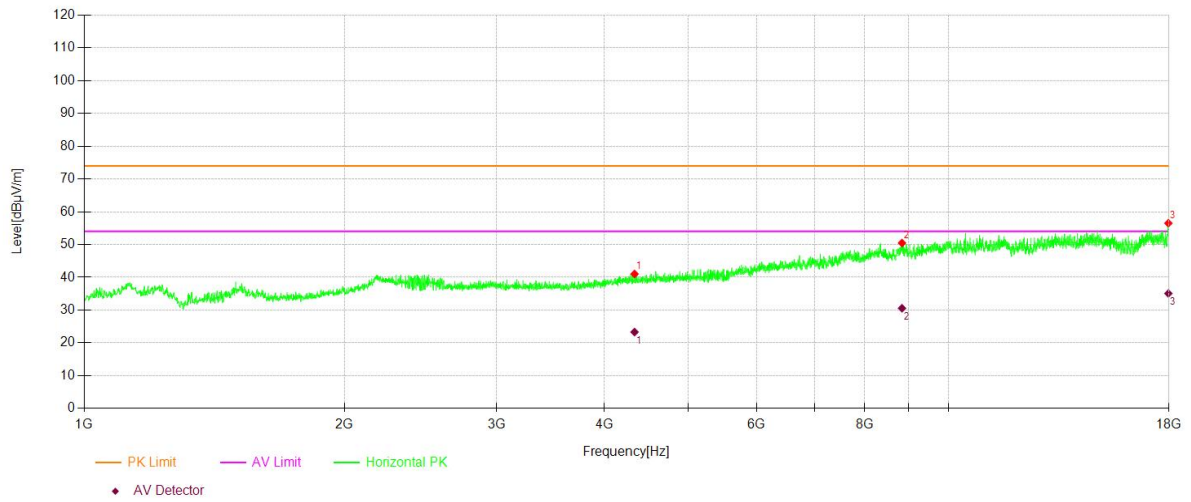


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4346.25	40.81	-18.20	74.00	33.19	PK	Vertical
2	8853.75	50.25	-7.43	74.00	23.75	PK	Vertical
3	17970	55.78	-0.01	74.00	18.22	PK	Vertical

AV Final Data List

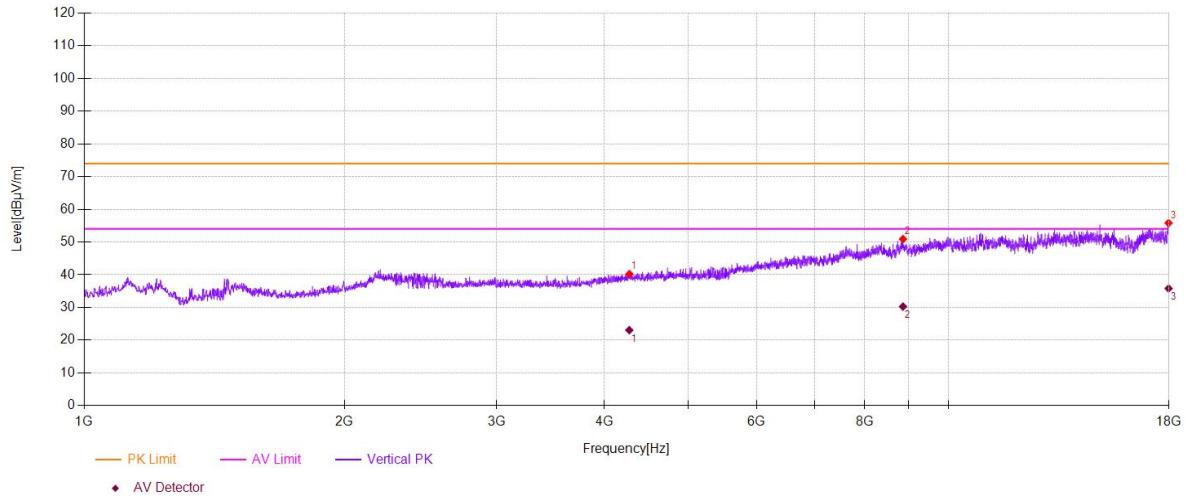
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4346.25	24.14	54.00	29.86	AV	Vertical
2	8853.75	30.29	54.00	23.71	AV	Vertical
3	17970	34.61	54.00	19.39	AV	Vertical



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4333.125	41.02	-18.24	74.00	32.98	PK	Horizontal
2	8836.875	50.47	-7.54	74.00	23.53	PK	Horizontal
3	17971.875	56.51	0.04	74.00	17.49	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4333.125	23.31	54.00	30.69	AV	Horizontal
2	8836.875	30.57	54.00	23.43	AV	Horizontal
3	17971.875	35.08	54.00	18.92	AV	Horizontal

Test mode: GFSK Frequency: Channel 39: 2441MHz

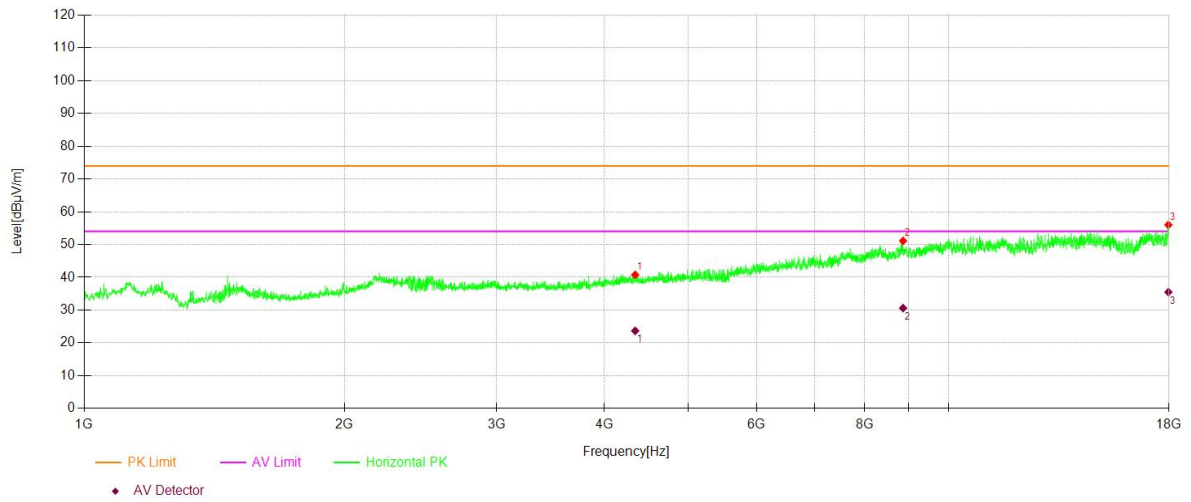


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4273.125	40.23	-18.43	74.00	33.77	PK	Vertical
2	8861.25	50.91	-7.37	74.00	23.09	PK	Vertical
3	17983.125	55.81	0.37	74.00	18.19	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4273.125	23.08	54.00	30.92	AV	Vertical
2	8861.25	30.27	54.00	23.73	AV	Vertical
3	17983.125	35.81	54.00	18.19	AV	Vertical



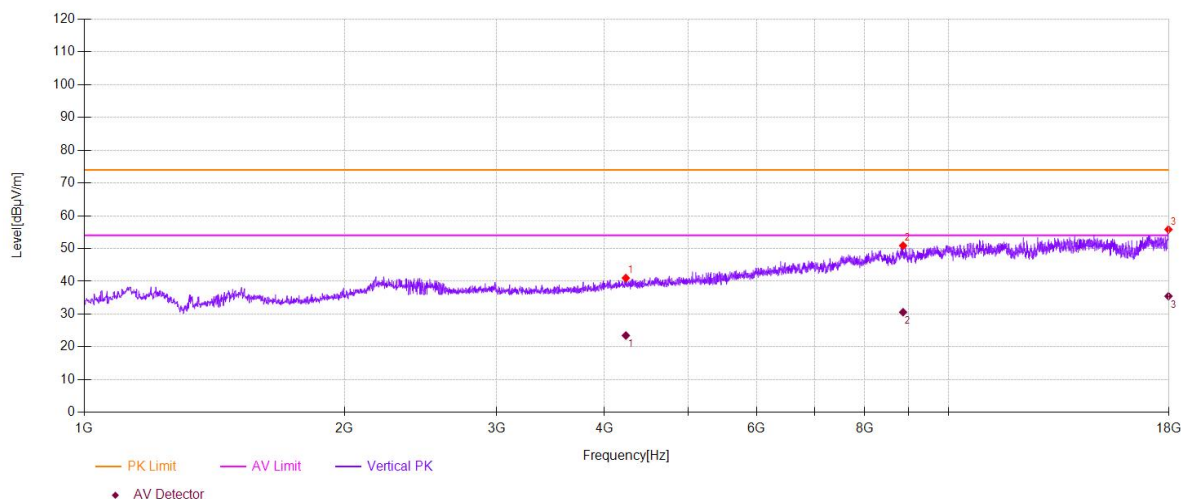
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4340.625	40.76	-18.22	74.00	33.24	PK	Horizontal
2	8863.125	51.14	-7.36	74.00	22.86	PK	Horizontal
3	17971.875	56.00	0.04	74.00	18.00	PK	Horizontal

AV Final Data List

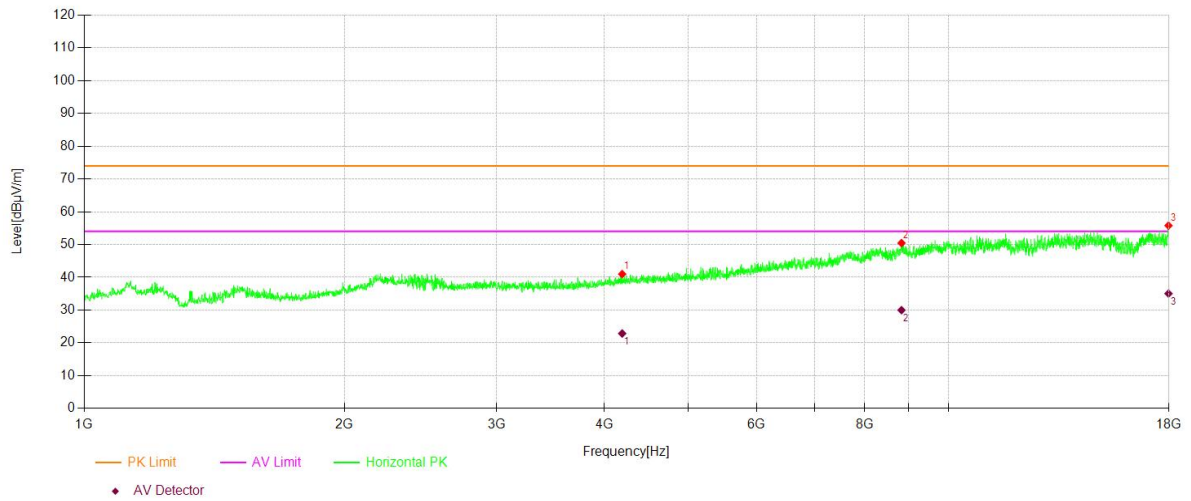
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4340.625	23.68	54.00	30.32	AV	Horizontal
2	8863.125	30.62	54.00	23.38	AV	Horizontal
3	17971.875	35.49	54.00	18.51	AV	Horizontal

Test mode: GFSK Frequency: Channel 78: 2480MHz



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4233.75	41.01	-18.56	74.00	32.99	PK	Vertical
2	8863.125	50.89	-7.36	74.00	23.11	PK	Vertical
3	17977.5	55.81	0.21	74.00	18.19	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4233.75	23.47	54.00	30.53	AV	Vertical
2	8863.125	30.59	54.00	23.41	AV	Vertical
3	17977.5	35.47	54.00	18.53	AV	Vertical



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4192.5	41.00	-18.69	74.00	33.00	PK	Horizontal
2	8825.625	50.46	-7.61	74.00	23.54	PK	Horizontal
3	17977.5	55.78	0.21	74.00	18.22	PK	Horizontal

AV Final Data List

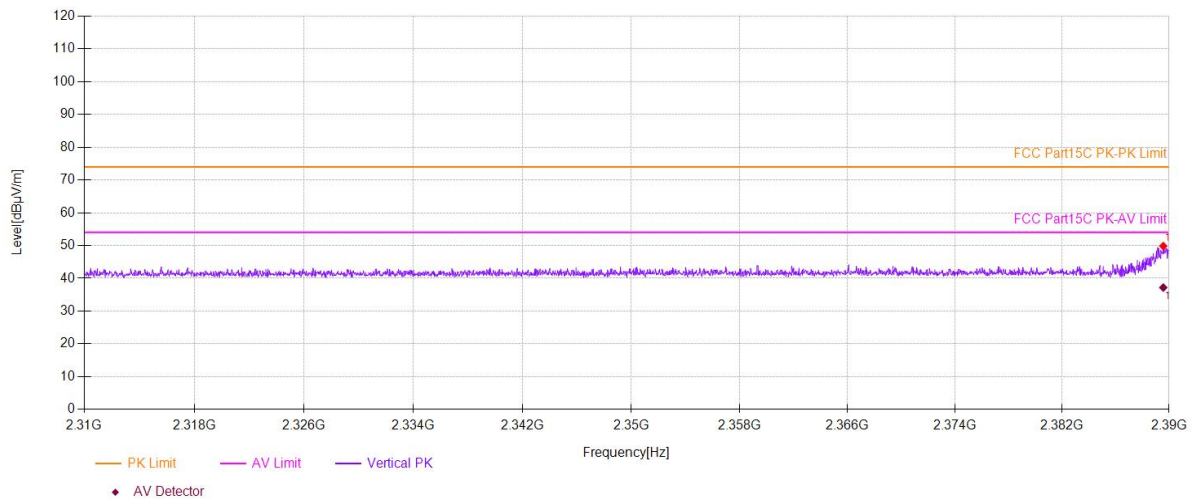
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4192.5	22.87	54.00	31.13	AV	Horizontal
2	8825.625	29.99	54.00	24.01	AV	Horizontal
3	17977.5	35.04	54.00	18.96	AV	Horizontal

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

All the antenna(Antenna 1) and modes(GFSK, $\pi/4$ -DQPSK, 8DPSK, Hopping) mode have been tested, and the worst(Antenna 1,GFSK, Hopping) result recorded was report as below:

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

V



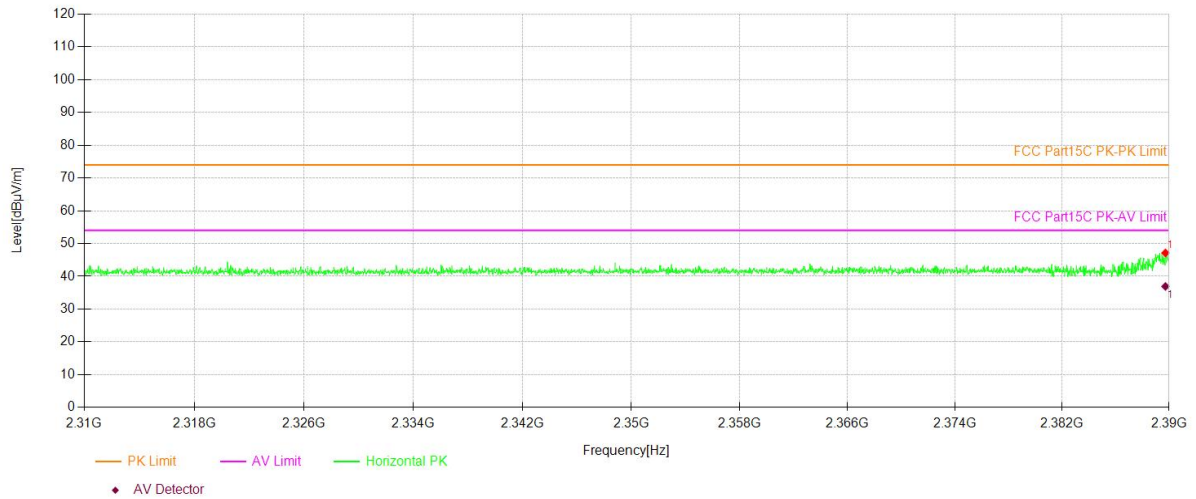
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.5732	49.84	30.22	74.00	24.16	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2389.5732	37.19	54.00	16.81	AV	Vertical

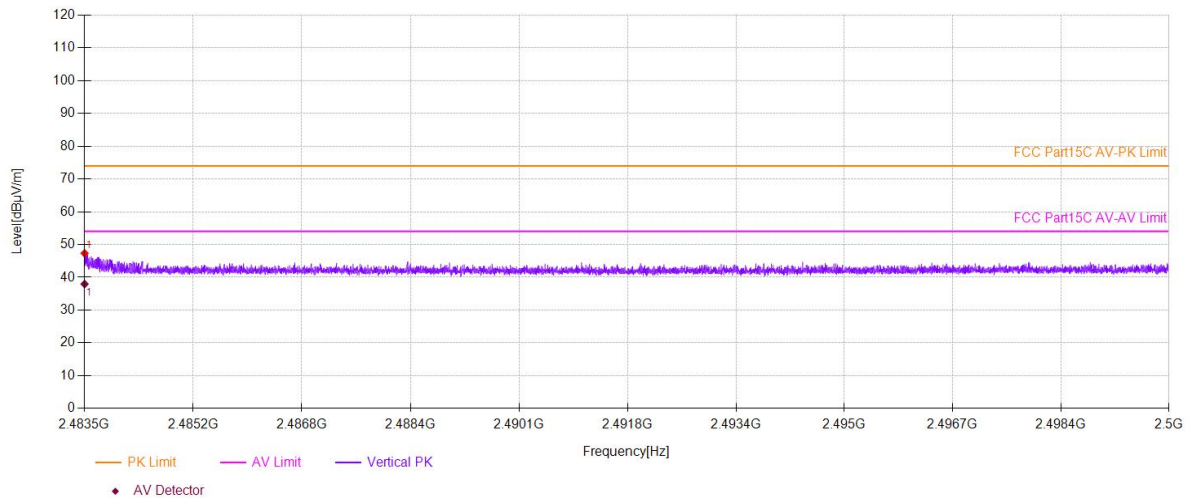
Test Model	Spurious Emission in Restricted Band 2310-2390MHz Channel 0: 2402MHz	GFSK	H
------------	---	------	---



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.7332	47.13	30.22	74.00	26.87	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2389.7332	36.92	54.00	17.08	AV	Horizontal

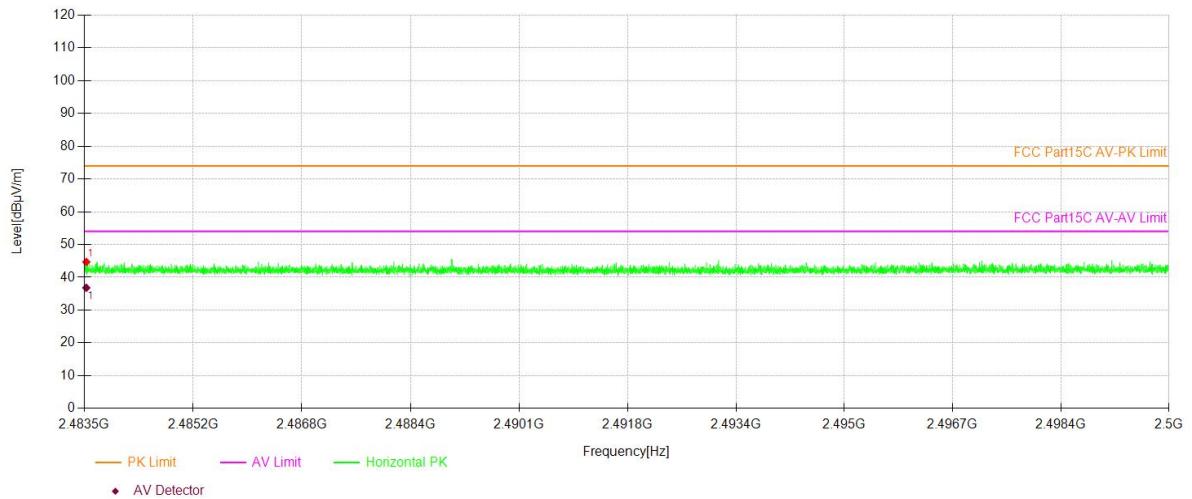
Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz Channel 78: 2480MHz	GFSK	V
------------	--	------	---



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.505	47.33	30.54	74.00	26.67	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2483.505	37.95	54.00	16.05	AV	Vertical

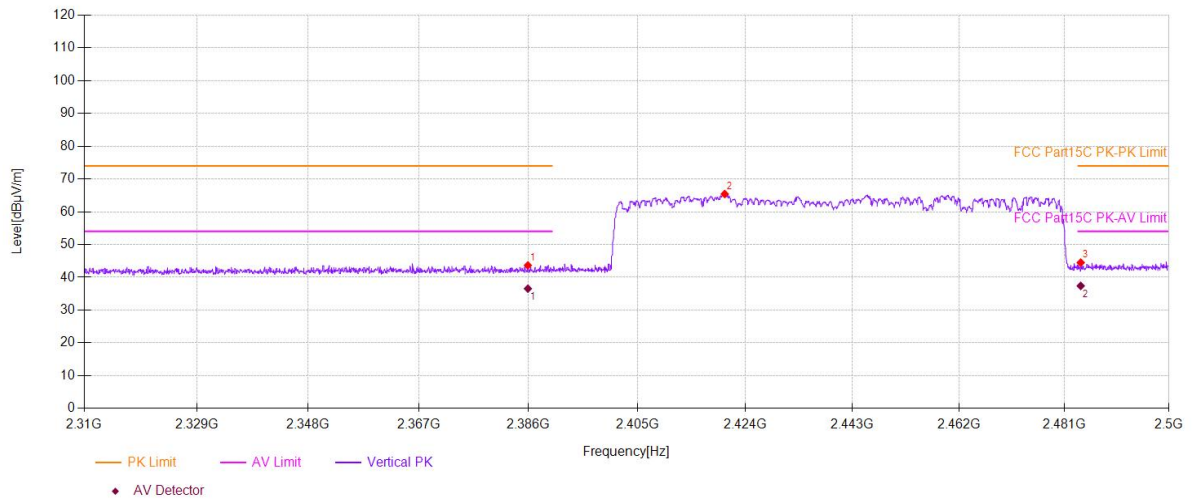
Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz Channel 78: 2480MHz	GFSK	H
------------	--	------	---



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.5314	44.70	30.54	74.00	29.30	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2483.5314	36.81	54.00	17.19	AV	Horizontal

Test Model	Spurious Emission in Restricted Band2310-2390MHz and 2400-2483.5MHz Hopping	GFSK	V
------------	---	------	---

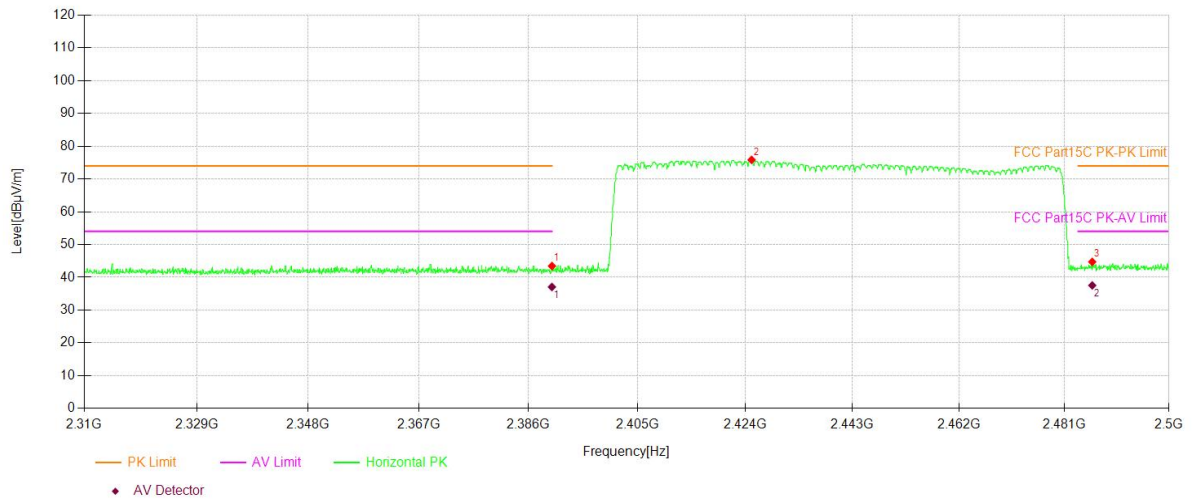


Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2385.8986	43.64	30.20	74.00	30.36	PK	Vertical
2	2420.3635	65.42	30.32	-	-	PK	Vertical
3	2483.9713	44.48	30.55	74.00	29.52	PK	Vertical

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2385.8986	36.55	54.00	17.45	AV	Vertical
2	2483.9713	37.39	54.00	16.61	AV	Vertical

Test Model

Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz
Hopping GFSK H



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2390.08	43.44	30.22	74.00	30.56	PK	Horizontal
2	2425.115	75.82	30.33	-	-	PK	Horizontal
3	2486.062	44.72	30.55	74.00	29.28	PK	Horizontal

AV Final Data List

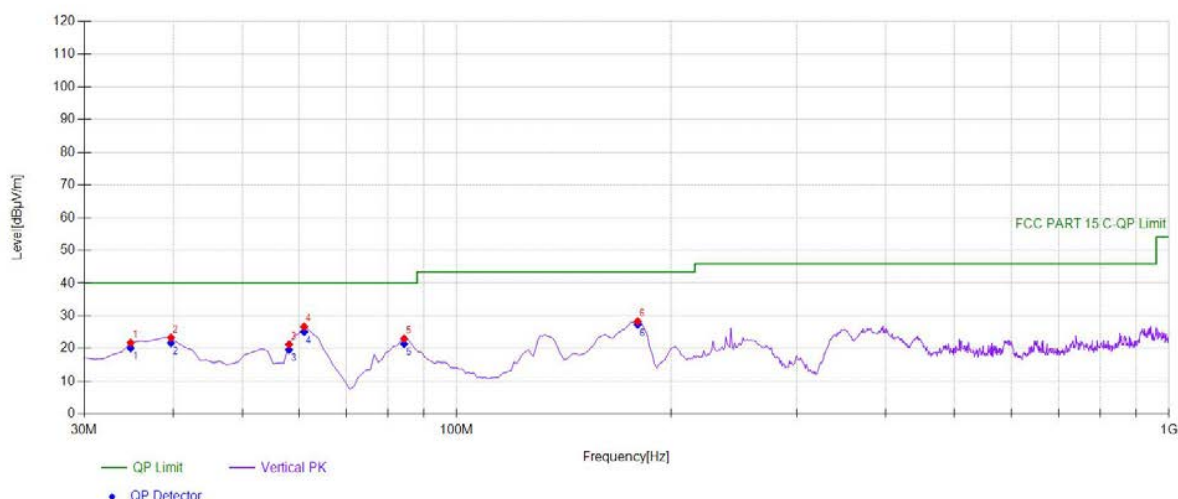
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2390.08	37.06	54.00	16.94	AV	Horizontal
2	2486.062	37.54	54.00	16.46	AV	Horizontal

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

All the antenna(Antenna 1) and modes(GFSK, $\pi/4$ -DQPSK, 8DPSK) mode have been tested, and the worst(Antenna 1,GFSK) result recorded was report as below:

■

Mode:	BT 2402
Environment:	Temp: 25°C; Humi:60%



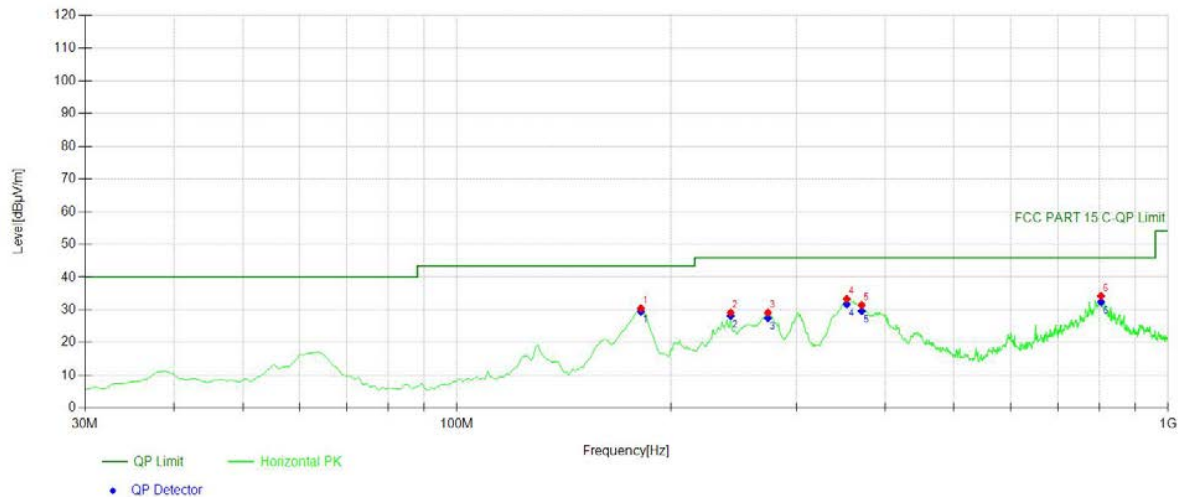
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	34.8549	40.33	-18.60	21.73	PK	40.00	18.27	Vertical
2	39.7097	41.09	-17.78	23.31	PK	40.00	16.69	Vertical
3	58.1582	38.56	-17.36	21.20	PK	40.00	18.80	Vertical
4	61.0711	44.44	-17.73	26.71	PK	40.00	13.29	Vertical
5	84.3744	42.82	-19.81	23.01	PK	40.00	16.99	Vertical
6	179.529	47.32	-19.00	28.32	PK	43.50	15.18	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	34.8549	-18.60	20.11	40.00	19.89
2	39.7097	-17.78	21.69	40.00	18.31
3	58.1582	-17.36	19.58	40.00	20.42
4	61.0711	-17.73	25.09	40.00	14.91
5	84.3744	-19.81	21.39	40.00	18.61
6	179.5295	-19.00	27.29	43.50	16.21

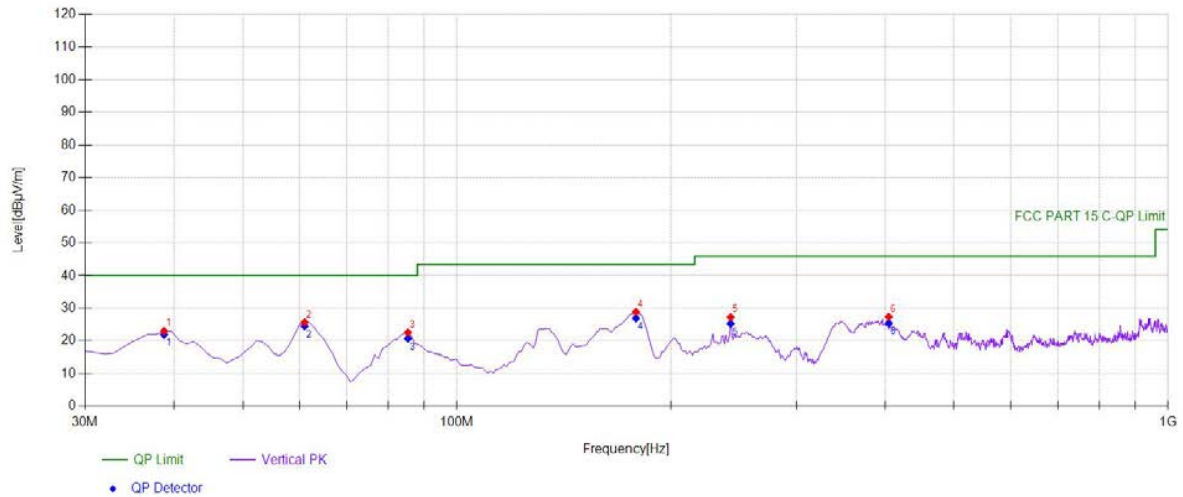
Mode:	BT 2402
Environment:	Temp: 25°C; Humi:60%



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	181.471	49.40	-18.92	30.48	PK	43.50	13.02	Horizontal
2	242.642	45.29	-16.11	29.18	PK	46.00	16.82	Horizontal
3	273.713	44.62	-15.46	29.16	PK	46.00	16.84	Horizontal
4	353.333	45.74	-12.38	33.36	PK	46.00	12.64	Horizontal
5	370.810	43.50	-12.01	31.49	PK	46.00	14.51	Horizontal
6	804.834	39.46	-5.22	34.24	PK	46.00	11.76	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	181.4715	-18.92	29.43	43.50	14.07
2	242.6426	-16.11	28.13	46.00	17.87
3	273.7137	-15.46	27.47	46.00	18.53
4	353.3333	-12.38	31.67	46.00	14.33
5	370.8108	-12.01	29.63	46.00	16.37
6	804.8348	-5.22	32.38	46.00	13.62

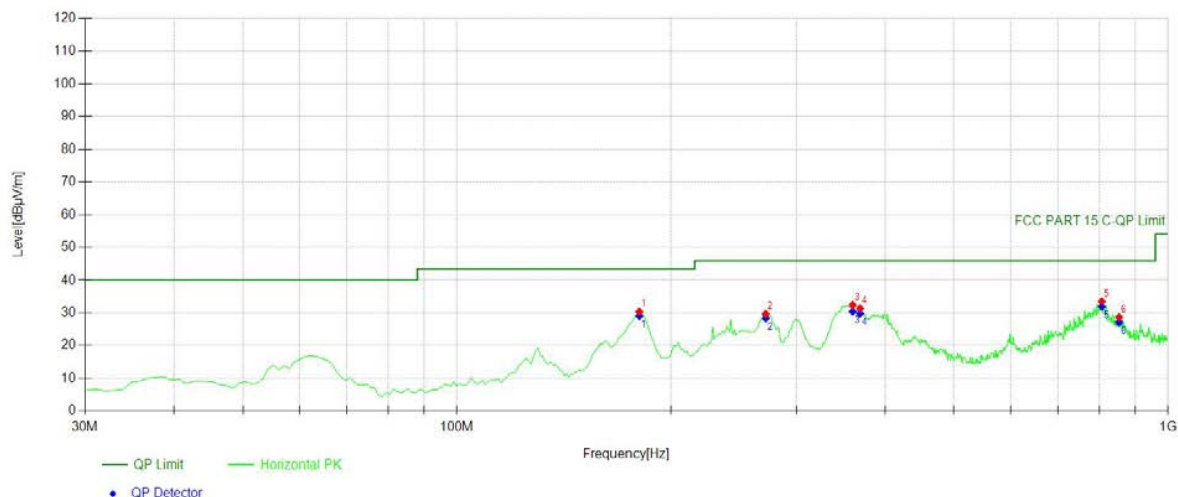
Mode:	BT 2441
Environment:	Temp: 25°C; Humi:60%



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	38.7387	40.96	-17.95	23.01	PK	40.00	16.99	Vertical
2	61.0711	43.40	-17.73	25.67	PK	40.00	14.33	Vertical
3	85.3453	42.18	-19.67	22.51	PK	40.00	17.49	Vertical
4	178.558	47.92	-19.04	28.88	PK	43.50	14.62	Vertical
5	242.642	43.34	-16.11	27.23	PK	46.00	18.77	Vertical
6	404.794	38.72	-11.36	27.36	PK	46.00	18.64	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	38.7387	-17.95	21.85	40.00	18.15
2	61.0711	-17.73	24.51	40.00	15.49
3	85.3453	-19.67	20.71	40.00	19.29
4	178.5586	-19.04	26.92	43.50	16.58
5	242.6426	-16.11	25.27	46.00	20.73
6	404.7948	-11.36	25.40	46.00	20.60

Mode:	BT 2441
Environment:	Temp: 25°C; Humi:60%



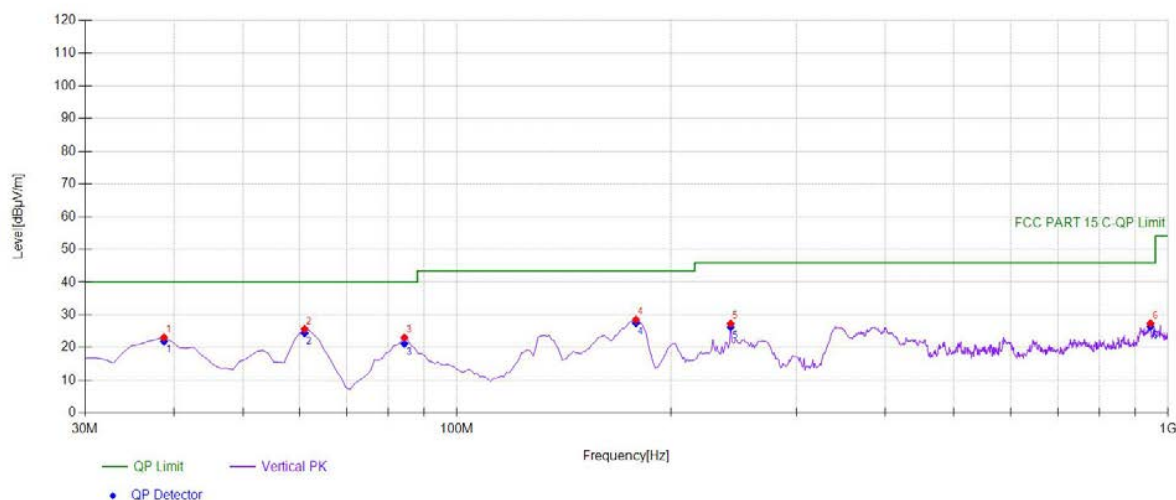
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	180.500	49.31	-18.96	30.35	PK	43.50	13.15	Horizontal
2	271.771	45.23	-15.55	29.68	PK	46.00	16.32	Horizontal
3	360.130	44.73	-12.36	32.37	PK	46.00	13.63	Horizontal
4	368.868	43.43	-12.06	31.37	PK	46.00	14.63	Horizontal
5	806.776	38.67	-5.17	33.50	PK	46.00	12.50	Horizontal
6	853.383	32.59	-3.96	28.63	PK	46.00	17.37	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	180.5005	-18.96	29.05	43.50	14.45
2	271.7718	-15.55	28.38	46.00	17.62
3	360.1301	-12.36	30.43	46.00	15.57
4	368.8689	-12.06	29.79	46.00	16.21
5	806.7768	-5.17	31.92	46.00	14.08
6	853.3834	-3.96	27.05	46.00	18.95

Mode:	BT 2480
Environment:	Temp: 25°C; Humi:60%



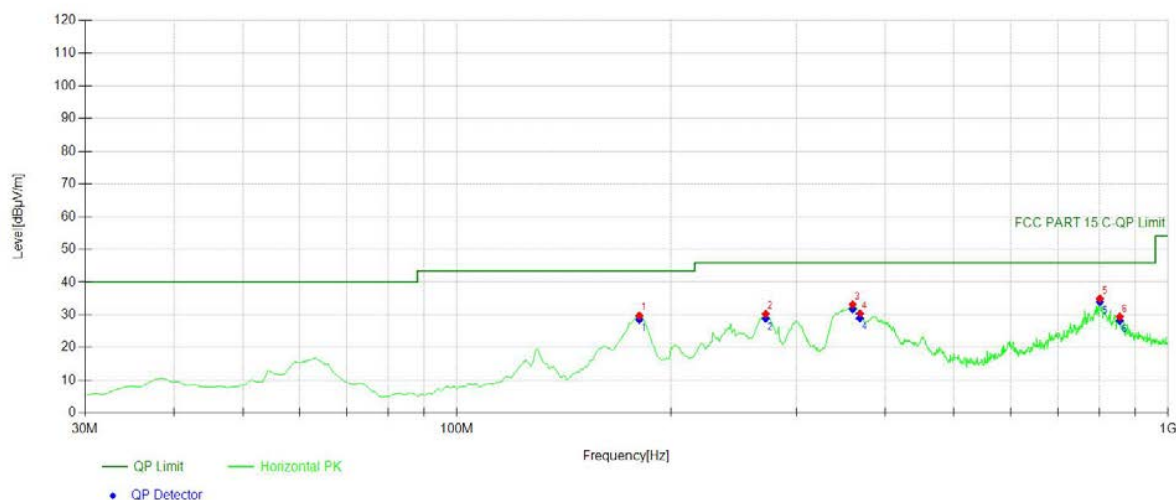
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	38.7387	41.01	-17.95	23.06	PK	40.00	16.94	Vertical
2	61.0711	43.35	-17.73	25.62	PK	40.00	14.38	Vertical
3	84.3744	42.82	-19.81	23.01	PK	40.00	16.99	Vertical
4	178.558	47.53	-19.04	28.49	PK	43.50	15.01	Vertical
5	242.642	43.39	-16.11	27.28	PK	46.00	18.72	Vertical
6	944.654	30.76	-3.39	27.37	PK	46.00	18.63	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	38.7387	-17.95	21.83	40.00	18.17
2	61.0711	-17.73	24.39	40.00	15.61
3	84.3744	-19.81	21.14	40.00	18.86
4	178.5586	-19.04	27.45	43.50	16.05
5	242.6426	-16.11	26.24	46.00	19.76
6	944.6547	-3.39	26.33	46.00	19.67

Mode:	BT 2480
Environment:	Temp: 25°C; Humi:60%



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	180.500	48.72	-18.96	29.76	PK	43.50	13.74	Horizontal
2	271.771	45.81	-15.55	30.26	PK	46.00	15.74	Horizontal
3	360.130	45.52	-12.36	33.16	PK	46.00	12.84	Horizontal
4	368.868	42.46	-12.06	30.40	PK	46.00	15.60	Horizontal
5	801.921	40.29	-5.29	35.00	PK	46.00	11.00	Horizontal
6	855.325	33.28	-3.85	29.43	PK	46.00	16.57	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	180.5005	-18.96	28.50	43.50	15.00
2	271.7718	-15.55	28.83	46.00	17.17
3	360.1301	-12.36	31.73	46.00	14.27
4	368.8689	-12.06	28.97	46.00	17.03
5	801.9219	-5.29	33.93	46.00	12.07
6	855.3253	-3.85	28.20	46.00	17.80

9.8 CONDUCTED EMISSION TEST

9.8.1 Applicable Standard

According to FCC Part 15.207
According to IC RSS-Gen 8.8

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
Note: 1. The lower limit shall apply at the transition frequencies 2. 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

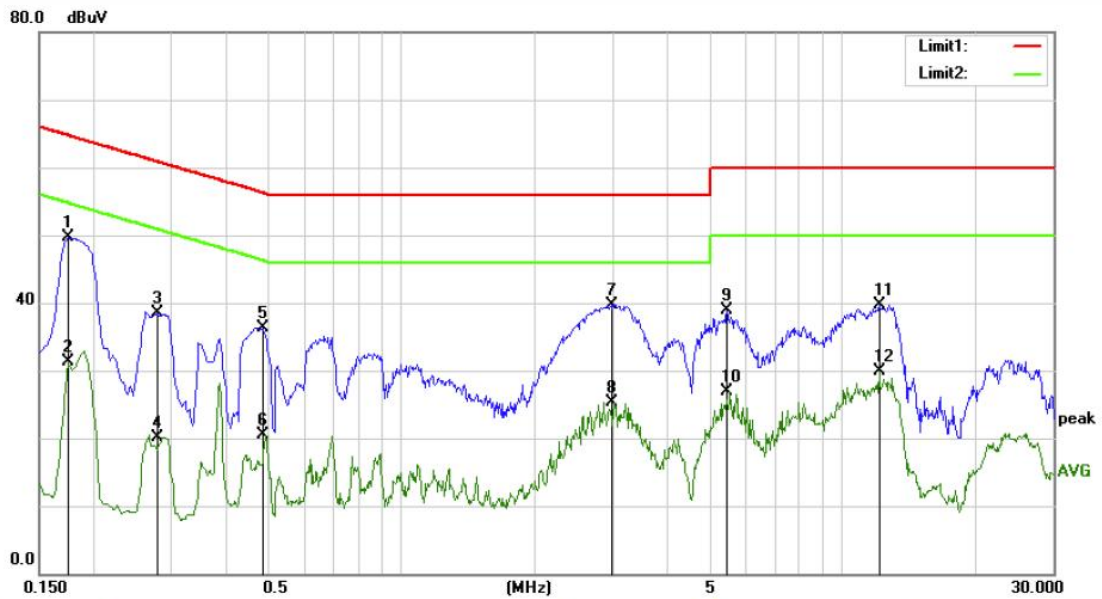
9.8.4 Test Procedure

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 AC120V &240V voltage have been tested, and the worst result recorded was report as below:



Site Conduction 2#

Phase: **N**

Temperature: 24.9

Limit: (CE)FCC PART 15 class B_QP

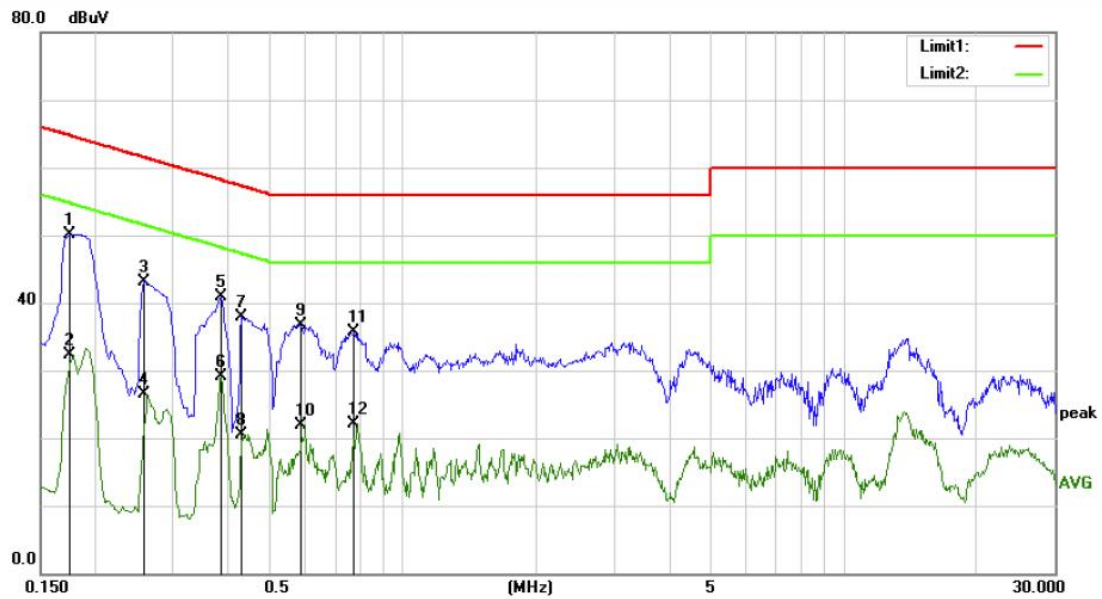
Power: AC 120V/60Hz

Humidity: 44 %

Mode: BT mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1740	39.12	10.61	49.73	64.77	-15.04	QP	
2		0.1740	20.67	10.61	31.28	54.77	-23.49	AVG	
3		0.2780	27.84	10.62	38.46	60.88	-22.42	QP	
4		0.2780	9.53	10.62	20.15	50.88	-30.73	AVG	
5		0.4820	25.64	10.63	36.27	56.30	-20.03	QP	
6		0.4820	9.86	10.63	20.49	46.30	-25.81	AVG	
7		2.9780	28.86	10.85	39.71	56.00	-16.29	QP	
8		2.9780	14.44	10.85	25.29	46.00	-20.71	AVG	
9		5.4620	27.81	11.04	38.85	60.00	-21.15	QP	
10		5.4620	15.82	11.04	26.86	50.00	-23.14	AVG	
11		12.0860	28.40	11.30	39.70	60.00	-20.30	QP	
12		12.0860	18.68	11.30	29.98	50.00	-20.02	AVG	



Site: Conduction 2#

Phase: **L1**

Temperature: 24.9

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 44 %

Mode: BT mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1740	39.49	10.61	50.10	64.77	-14.67	QP	
2		0.1740	21.74	10.61	32.35	54.77	-22.42	AVG	
3		0.2580	32.51	10.62	43.13	61.50	-18.37	QP	
4		0.2580	15.91	10.62	26.53	51.50	-24.97	AVG	
5		0.3860	30.25	10.62	40.87	58.15	-17.28	QP	
6		0.3860	18.43	10.62	29.05	48.15	-19.10	AVG	
7		0.4300	27.34	10.62	37.96	57.25	-19.29	QP	
8		0.4300	9.94	10.62	20.56	47.25	-26.69	AVG	
9		0.5860	26.05	10.65	36.70	56.00	-19.30	QP	
10		0.5860	11.18	10.65	21.83	46.00	-24.17	AVG	
11		0.7740	25.04	10.66	35.70	56.00	-20.30	QP	
12		0.7740	11.53	10.66	22.19	46.00	-23.81	AVG	

9.9 ANTENNA APPLICATION

9.9.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	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.
FCC 47 CFR Part 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.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.
RSS-247 Section 5.4	If the transmitter employs an antenna system that emits multiple directional beams, but does not emit multiple directional beams simultaneously, the total output power conducted to the array or arrays that comprise the device (i.e. the sum of the power supplied to all antennas, antenna elements, staves, etc., and summed across all carriers or frequency channels) shall not exceed the applicable output power limit. However, the total conducted output power shall be reduced by 1 dB below the specified limits for each 3 dB that the directional gain of the antenna/antenna array exceeds 6 dBi. The directional antenna gain shall be computed as the sum of 10 log (number of array elements or staves) plus the directional gain of the element or staff having the highest gain.

9.9.2 Result

PASS.

- Note:
- ☒ 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)

Please refer to the attached document Internal Photos to show the antenna connector.

*** End of Report ***

10 APPENDIX PHOTOGRAPHS OF EUT

Please refer to the file of External Photo and Internal Photo.



11 APPENDIX PHOTOGRAPHS OF TEST SETUP

Please refer to the file of Test Setup Photo.



声 明 Statement

1. 本报告无授权批准人签字及“检验检测专用章”无效；

This report is invalid without the signature of the authorized approver and the "special seal for testing".

2. 未经许可本报告不得部分复制；

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the samples and the authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检验报告若有异议，请于收到报告之日起 20 日内提出。

Objections shall be raised within 20 days from the date receiving the report.