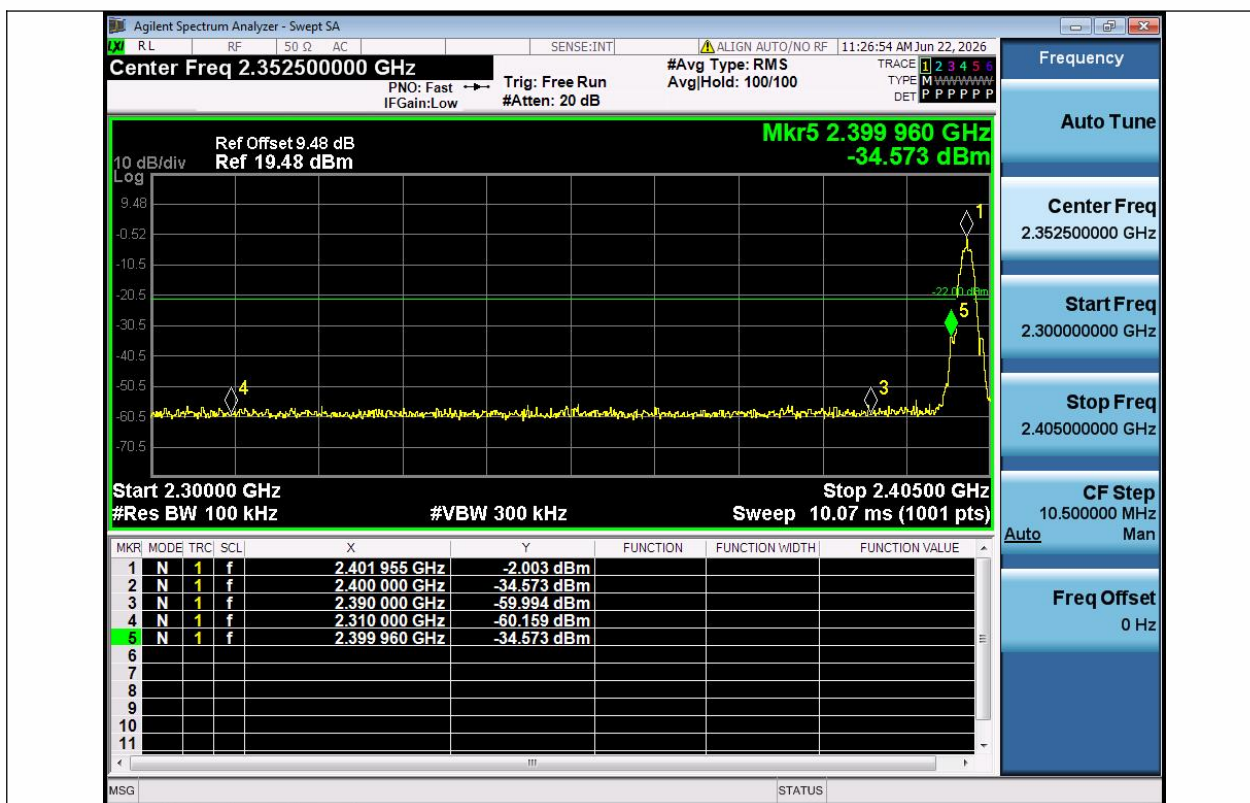
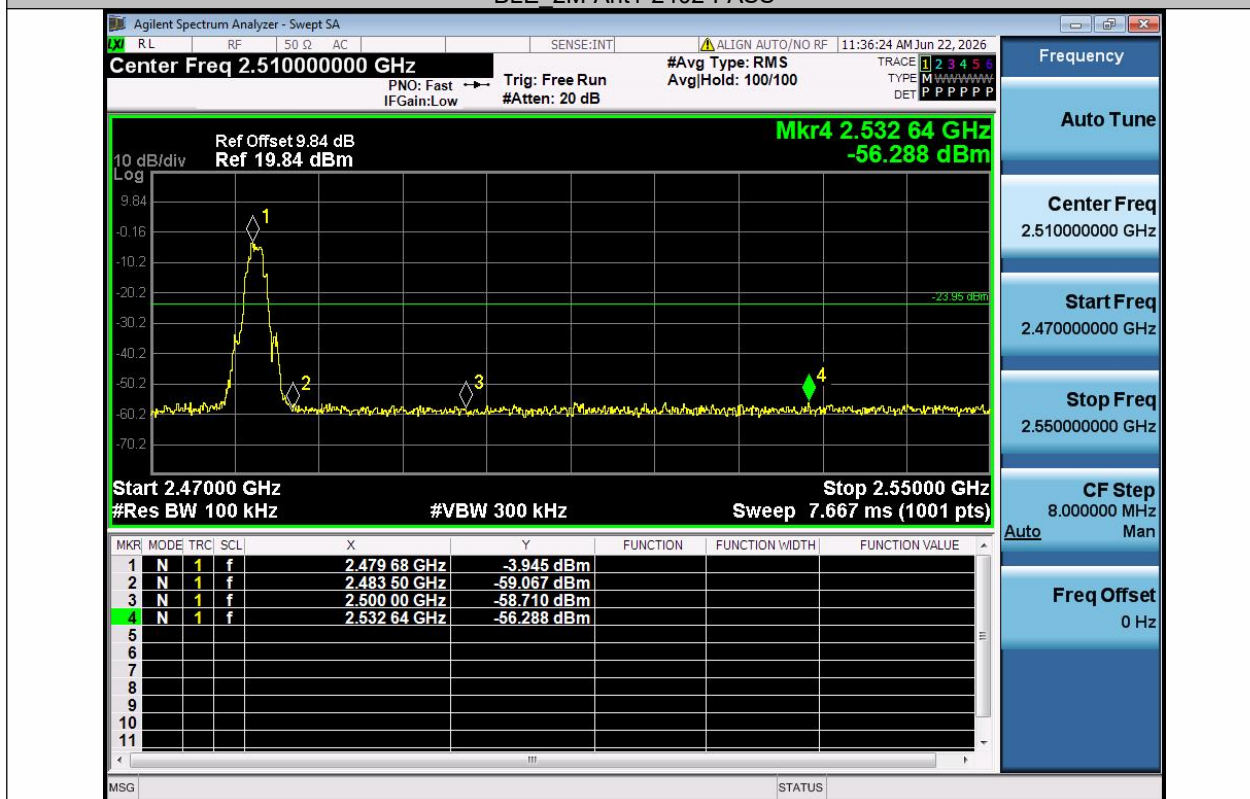


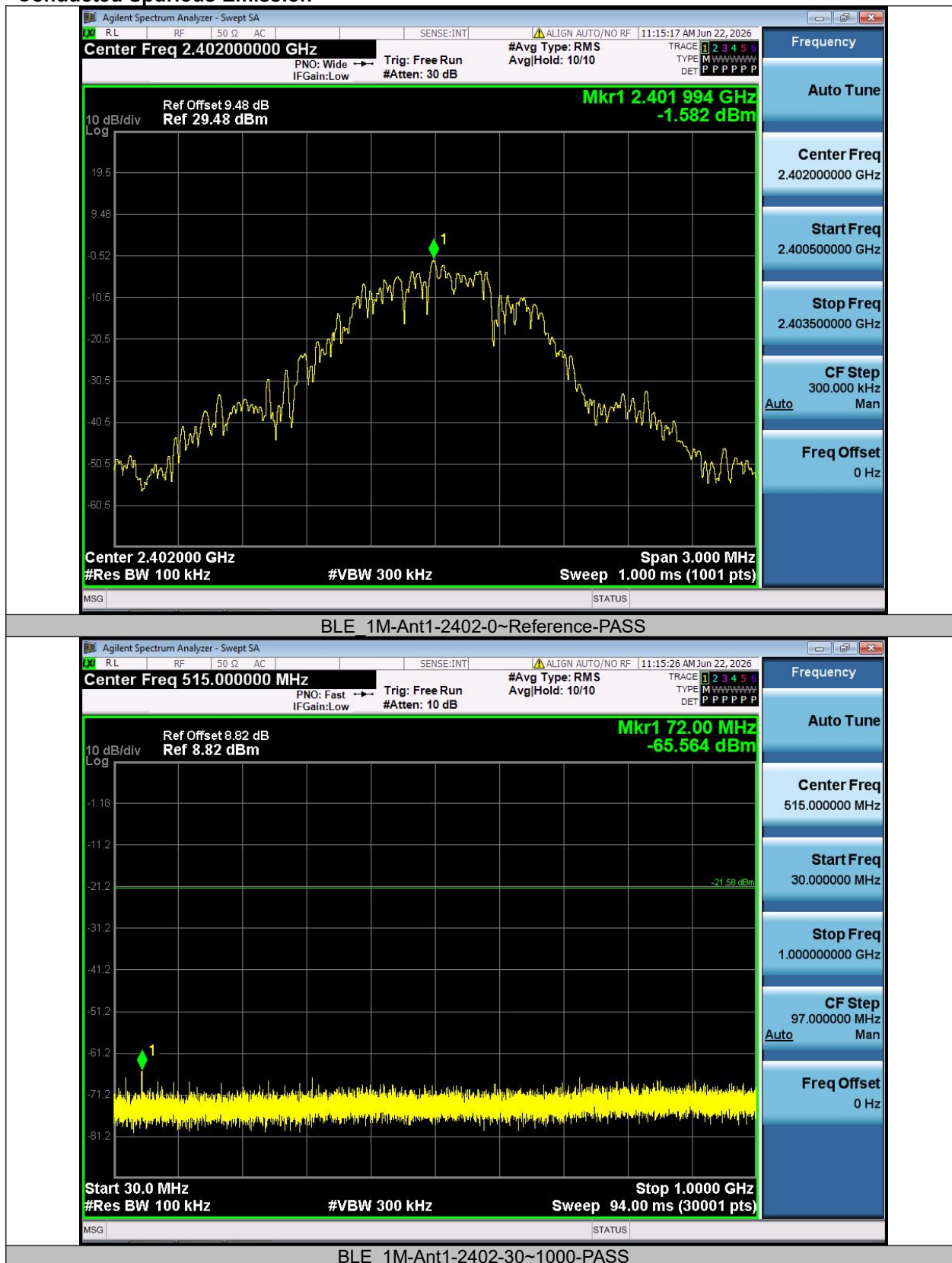


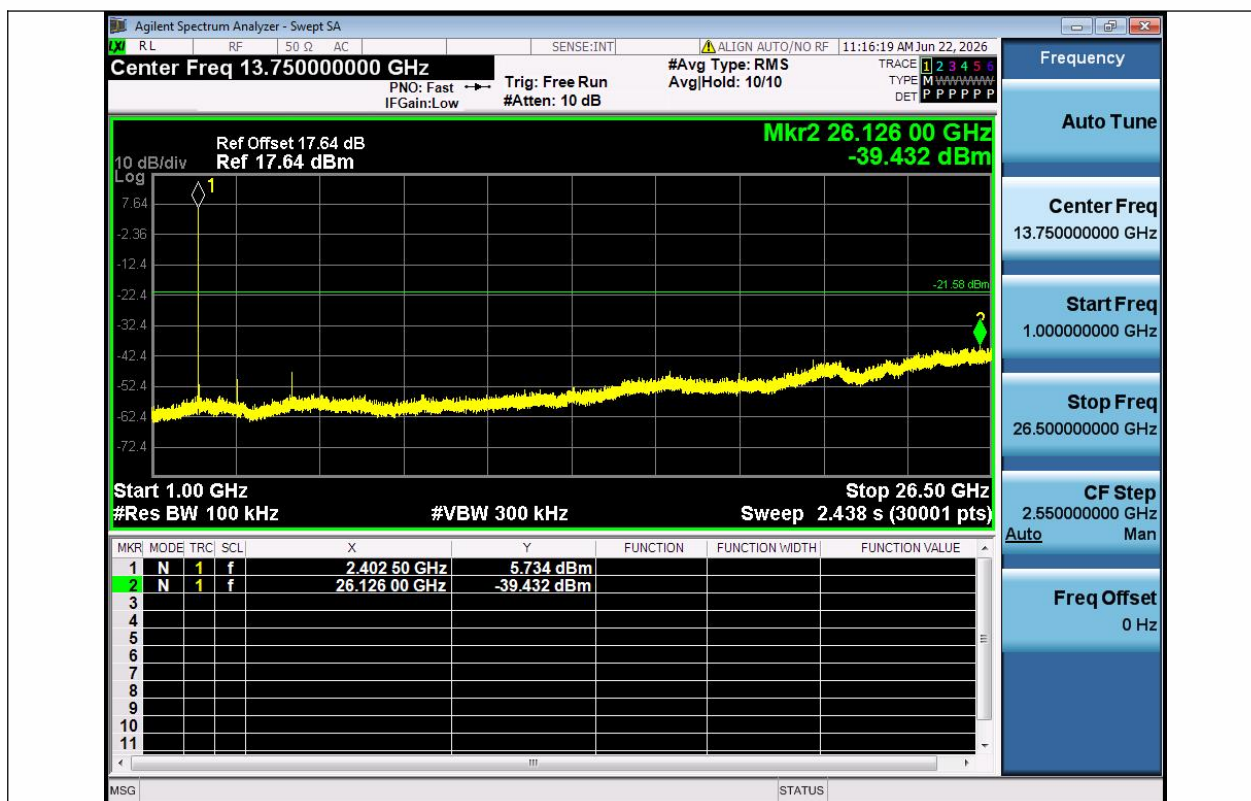
BLE_2M-Ant1-2402-PASS



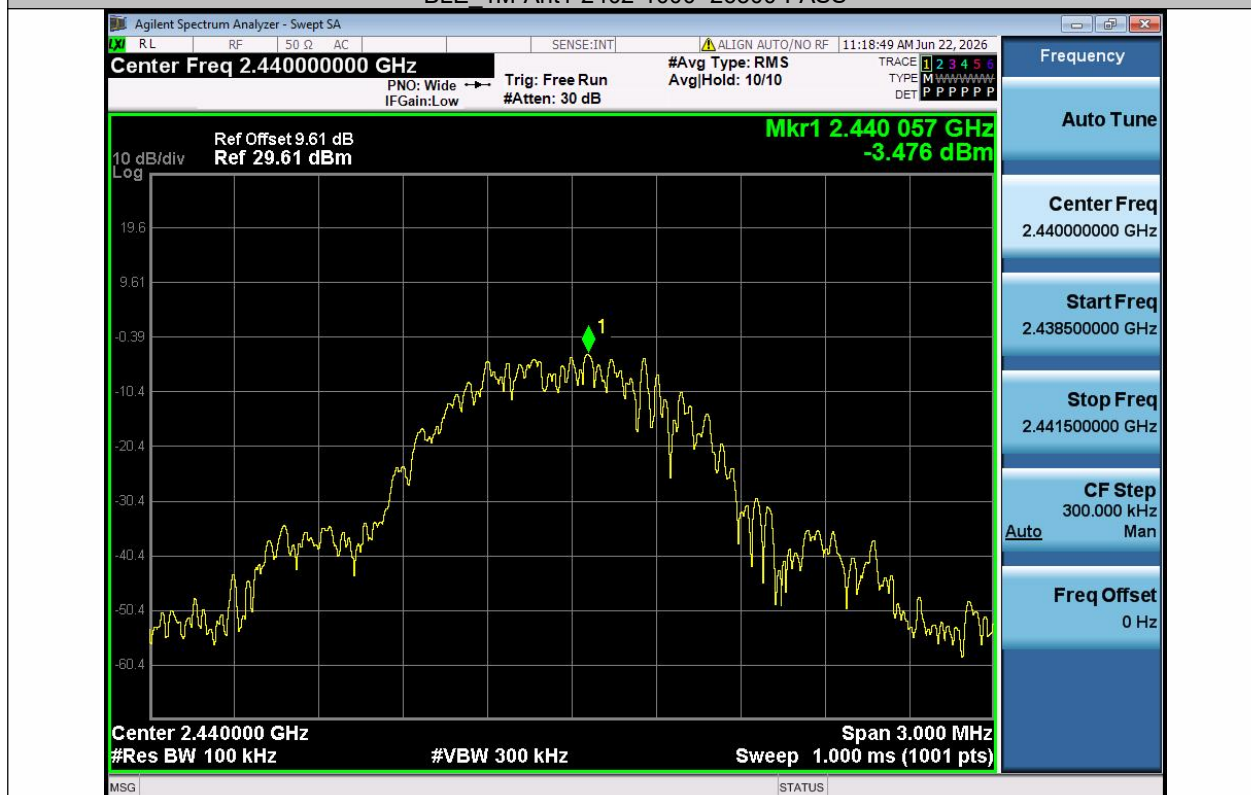
BLE_2M-Ant1-2480-PASS

Conducted Spurious Emission

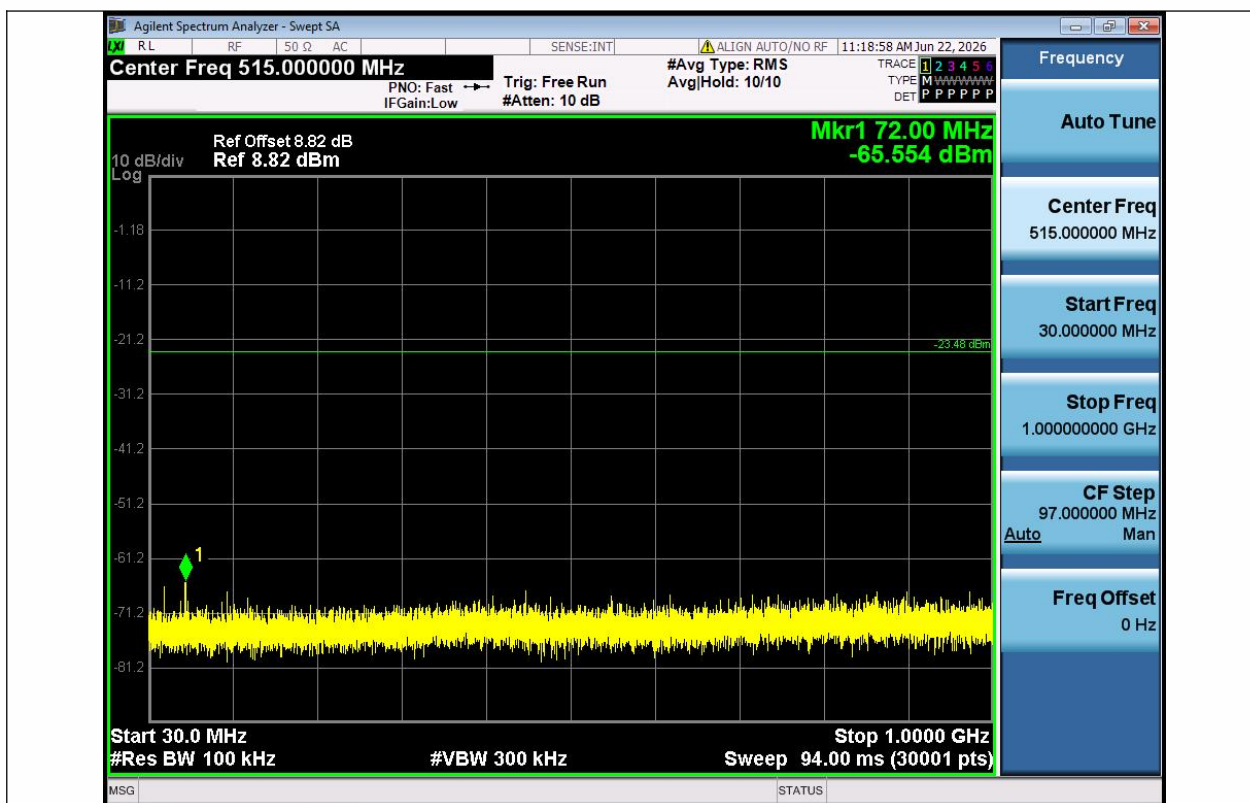




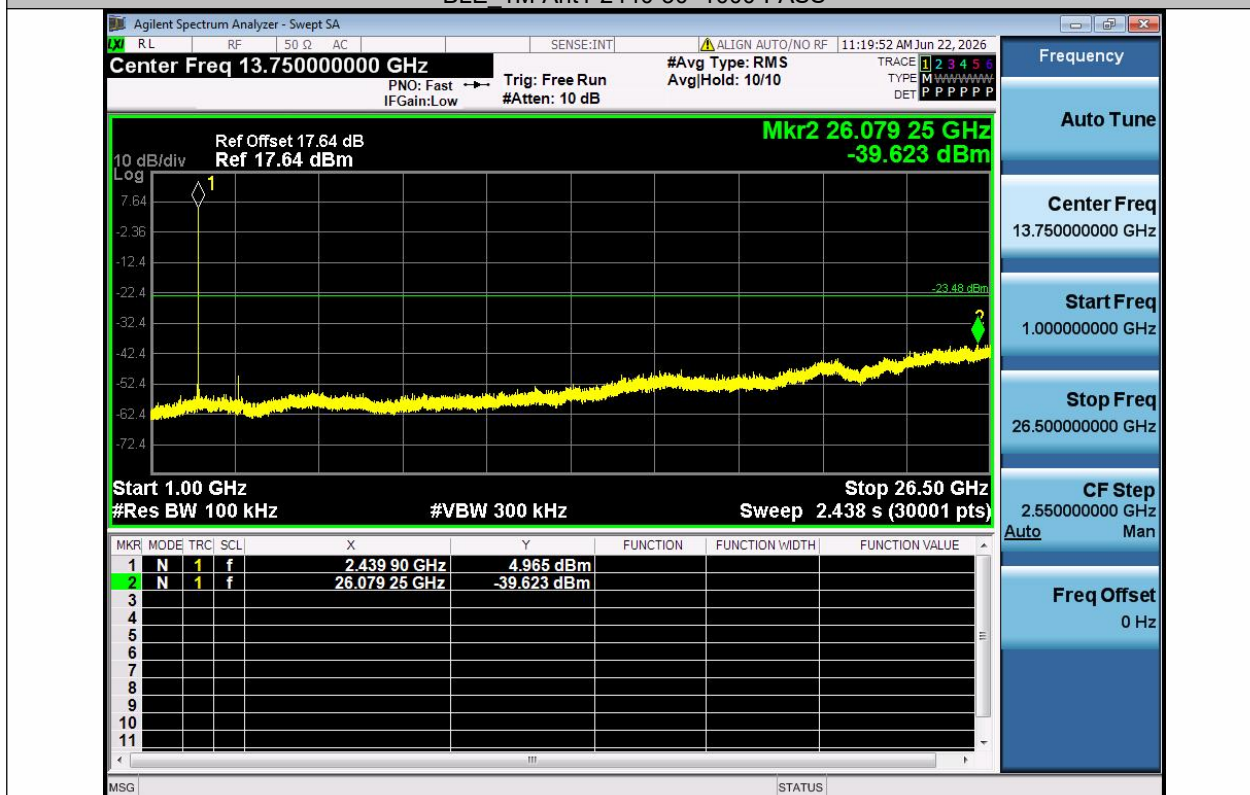
BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS



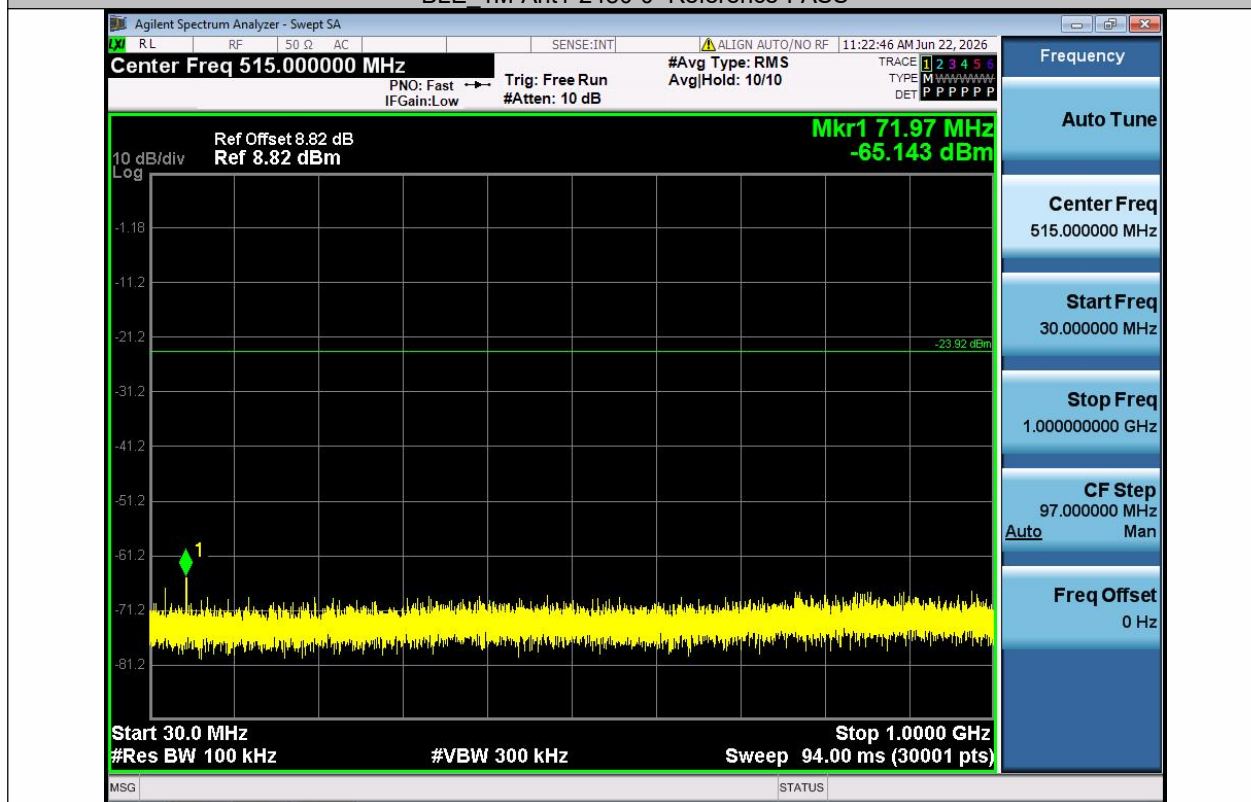
BLE_1M-Ant1-2440-30~1000-PASS



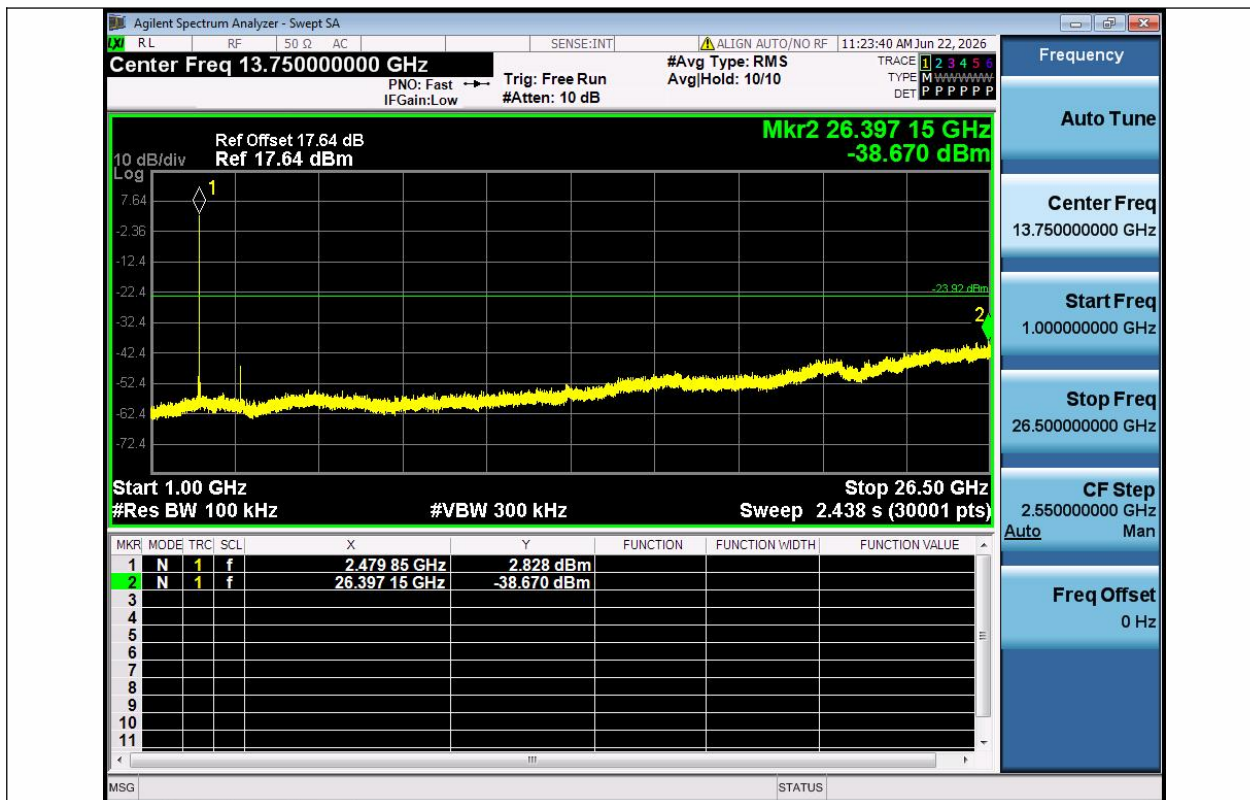
BLE_1M-Ant1-2440-1000~26500-PASS



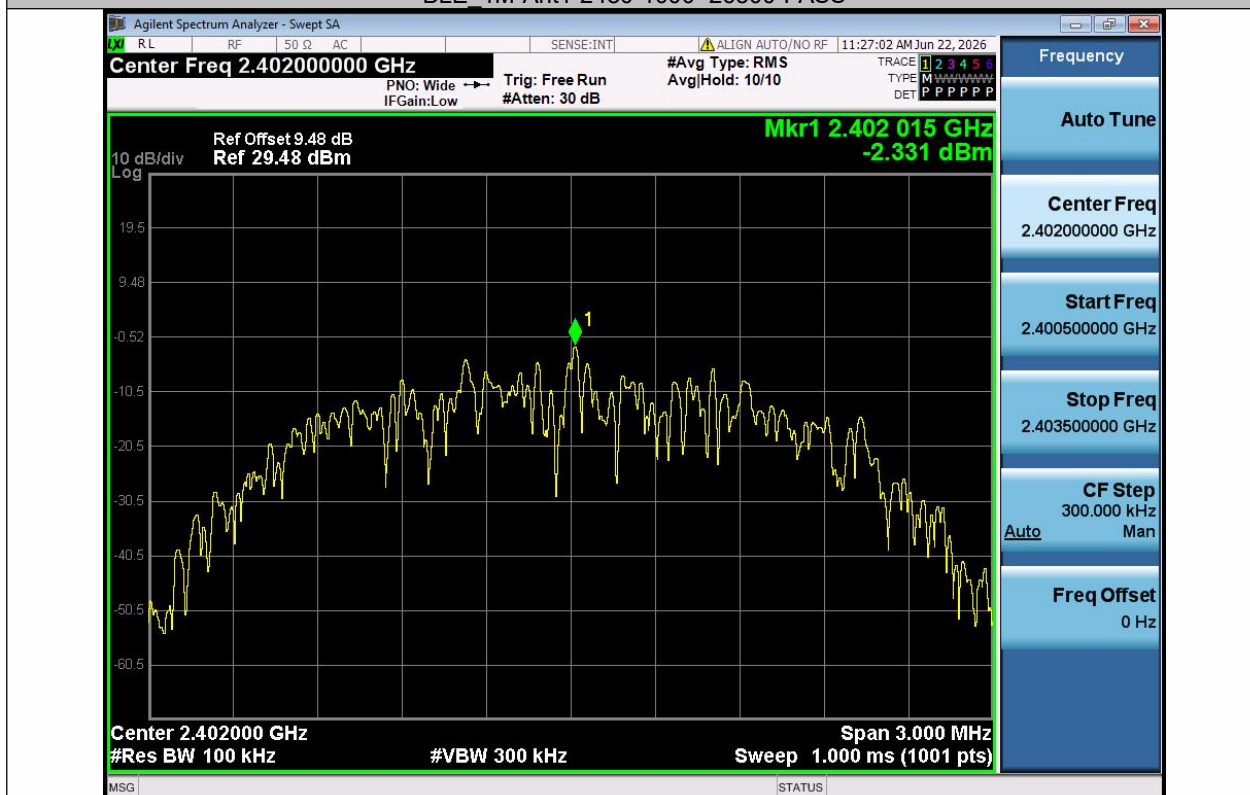
BLE_1M-Ant1-2480-0~Reference-PASS



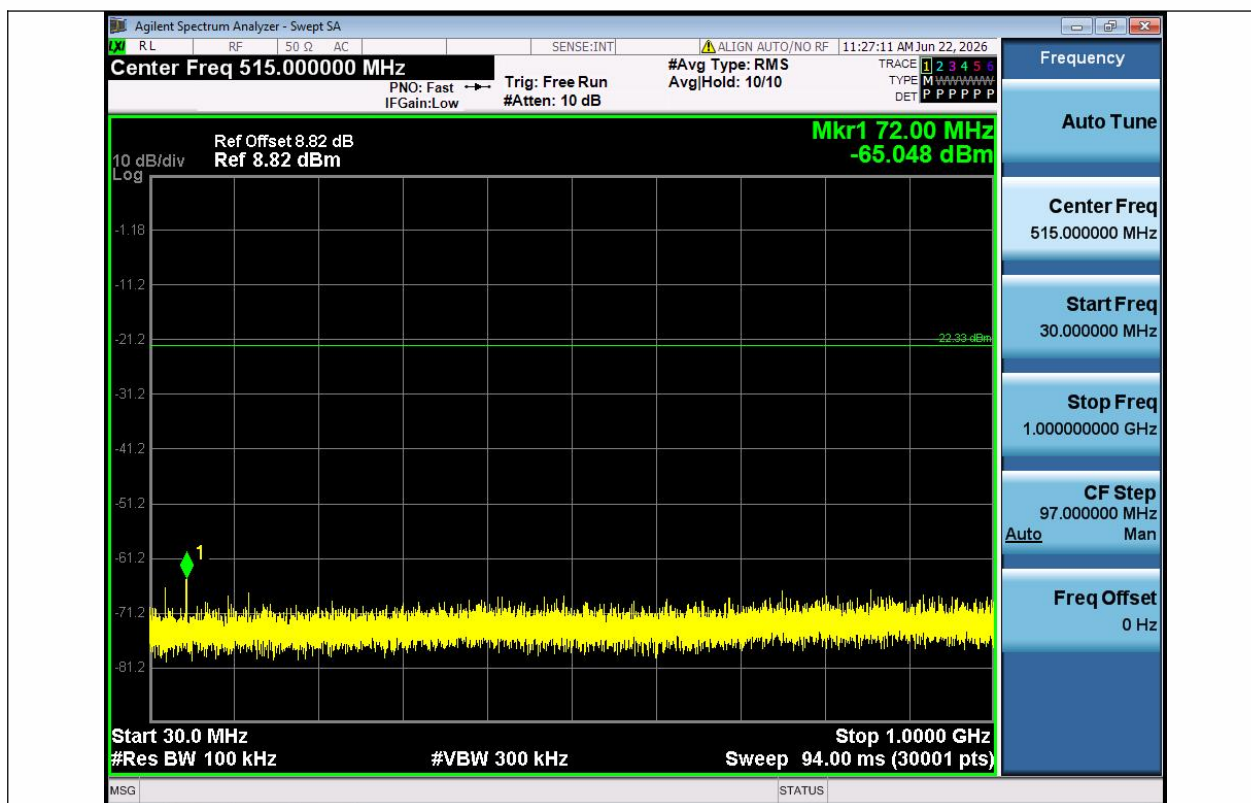
BLE_1M-Ant1-2480-30~1000-PASS



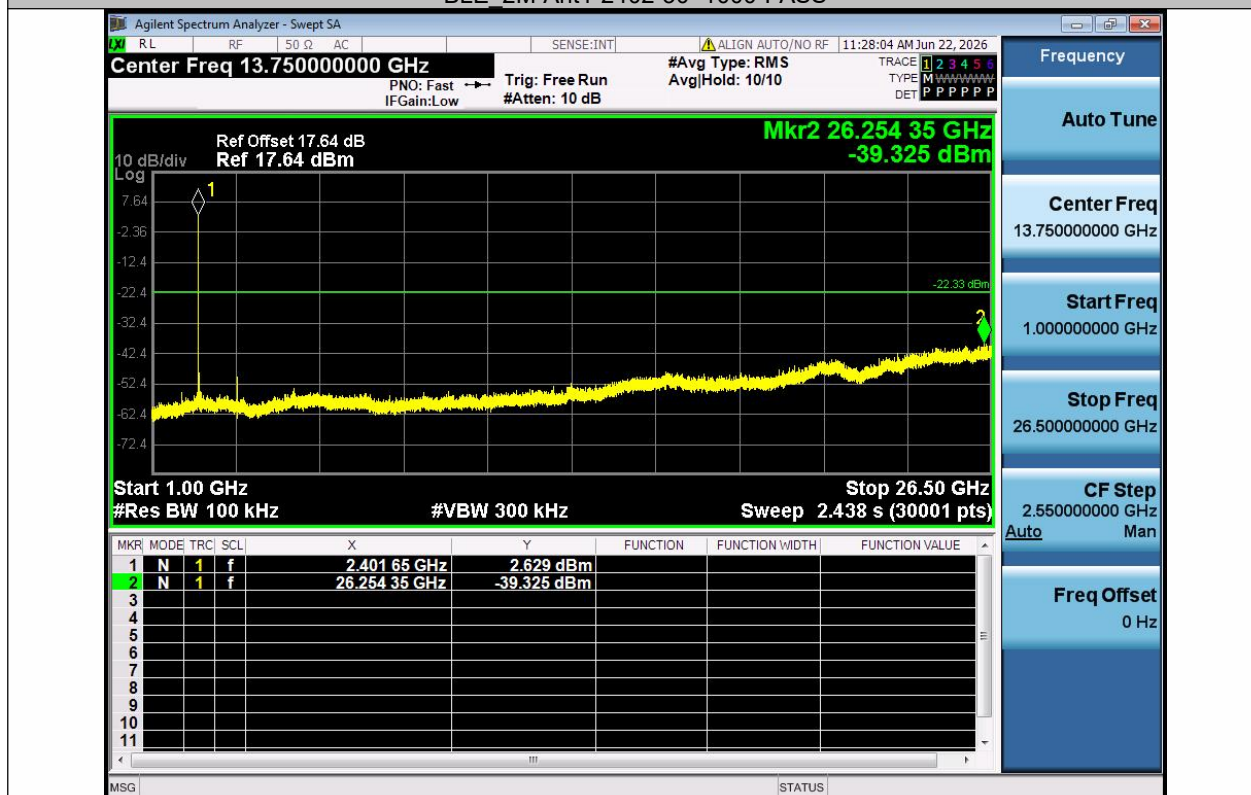
BLE_1M-Ant1-2480-1000~26500-PASS



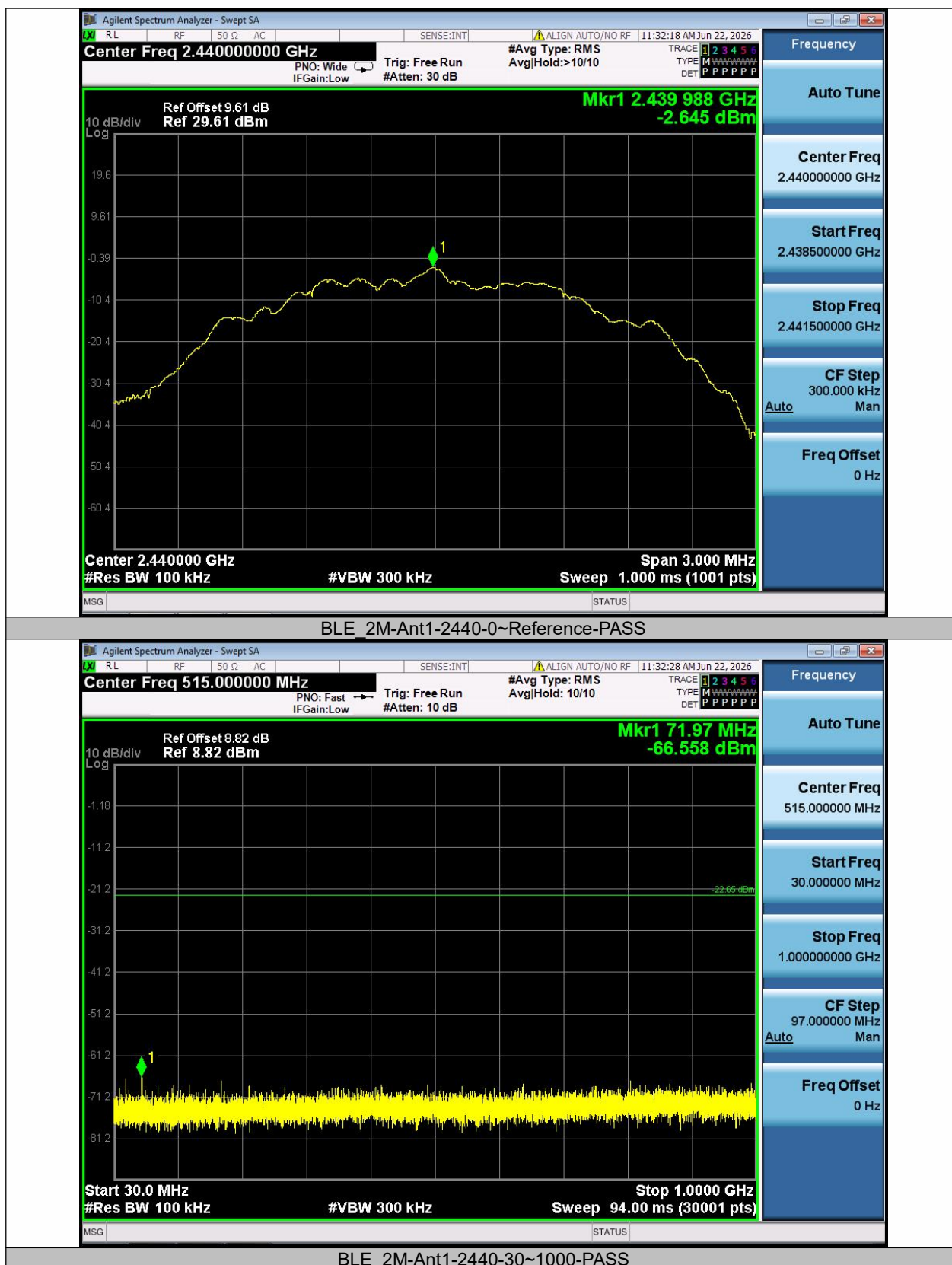
BLE_2M-Ant1-2402-0~Reference-PASS

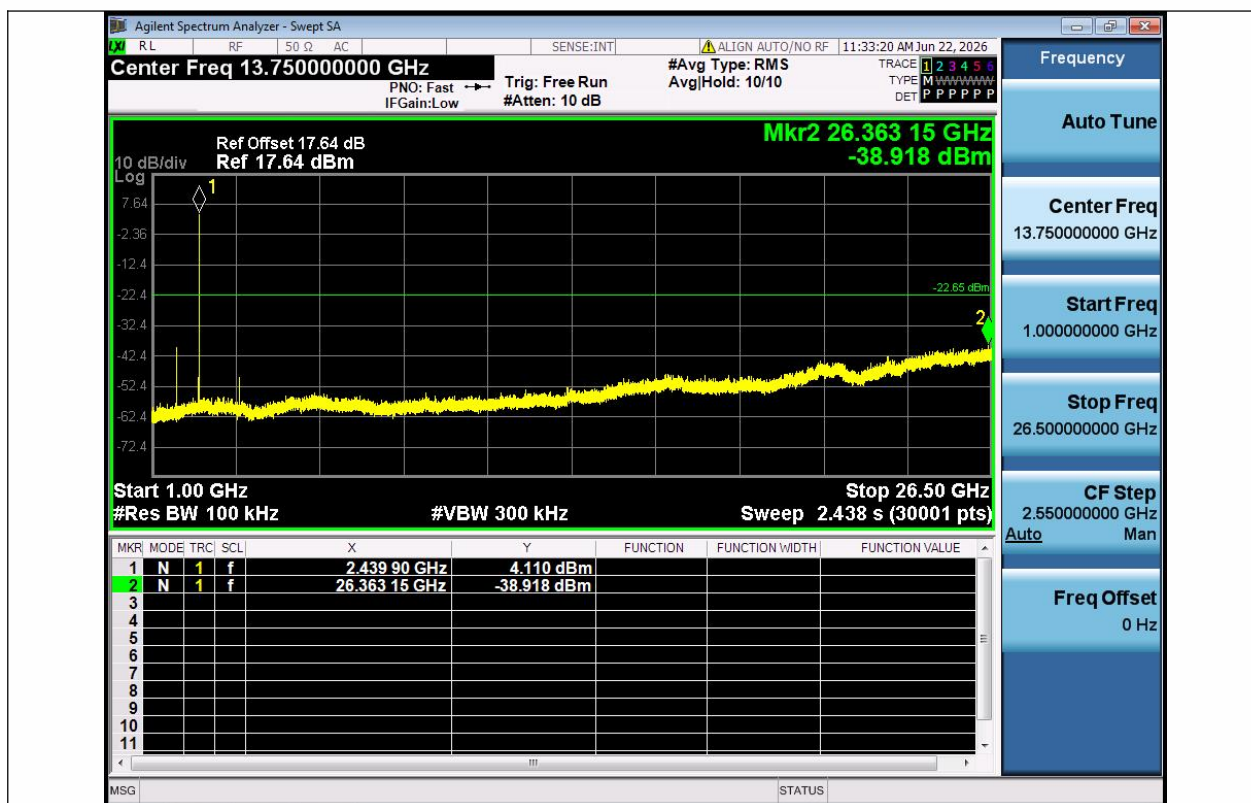


BLE_2M-Ant1-2402-30~1000-PASS



BLE_2M-Ant1-2402-1000~26500-PASS

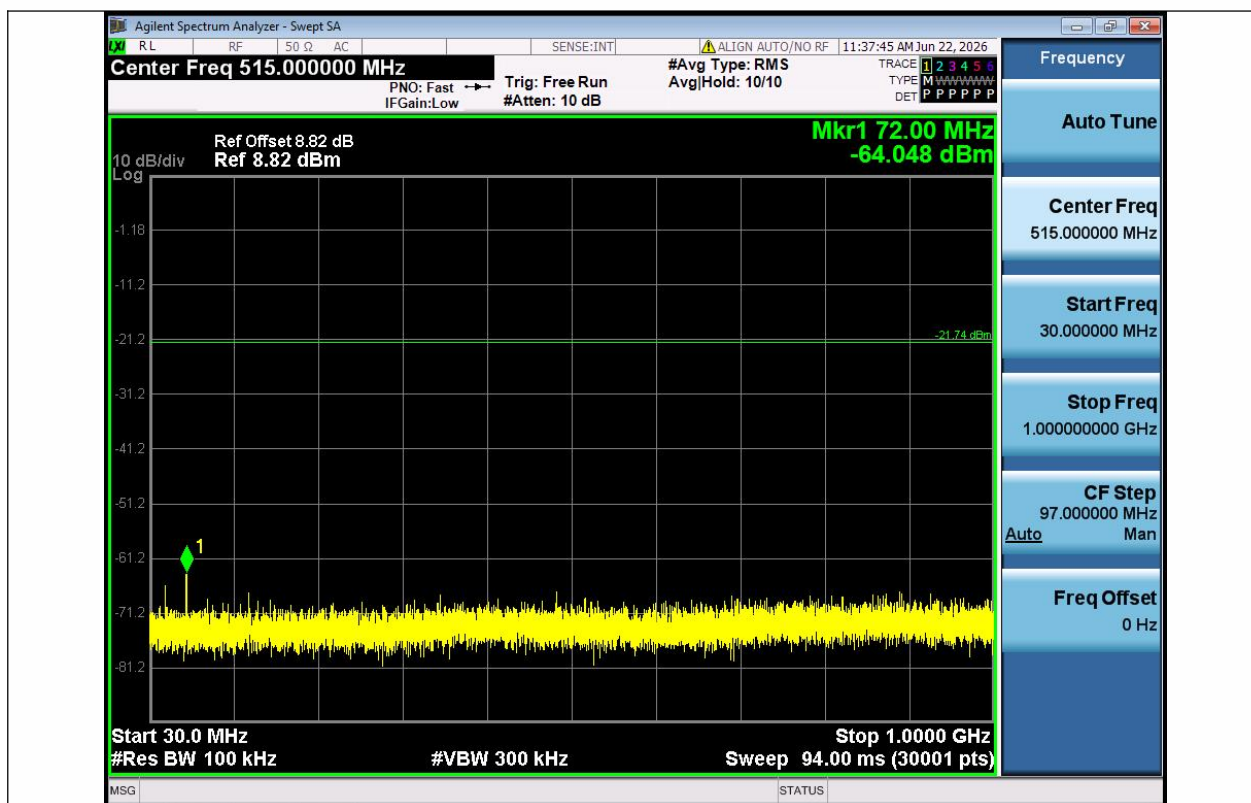




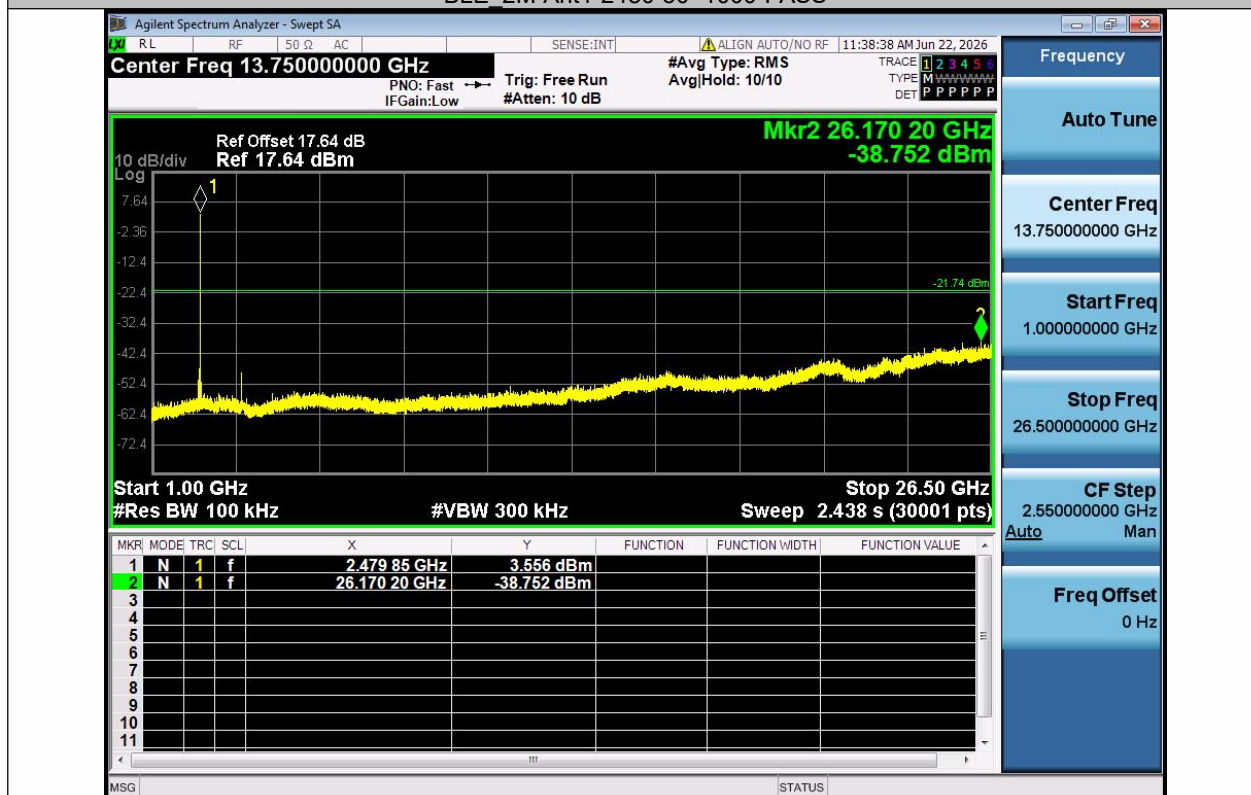
BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



BLE_2M-Ant1-2480-1000~26500-PASS

8.7 RADIATED SPURIOUS EMISSION

8.7.1 Applicable Standard

According to FCC Part 15.247(d), 15.205, 15.209

According to RSS-Gen and RSS-247

According to 558074 D01 15.247 Meas Guidance v05r02 Section 8.6

According to ANSI C63.10 Section 11.12

8.7.2 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
0.495-0.505	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	Above 38.6
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

8.7.3 Test Configuration

Test according to clause 7.2 radio frequency test setup 2

8.7.4 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 average measurements the resolution bandwidth of spectrum analyzer is 1 MHz with the video bandwidth is $\geq 1/T$ with peak detector.

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 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. Submit this data.

8.7.5 Test Results

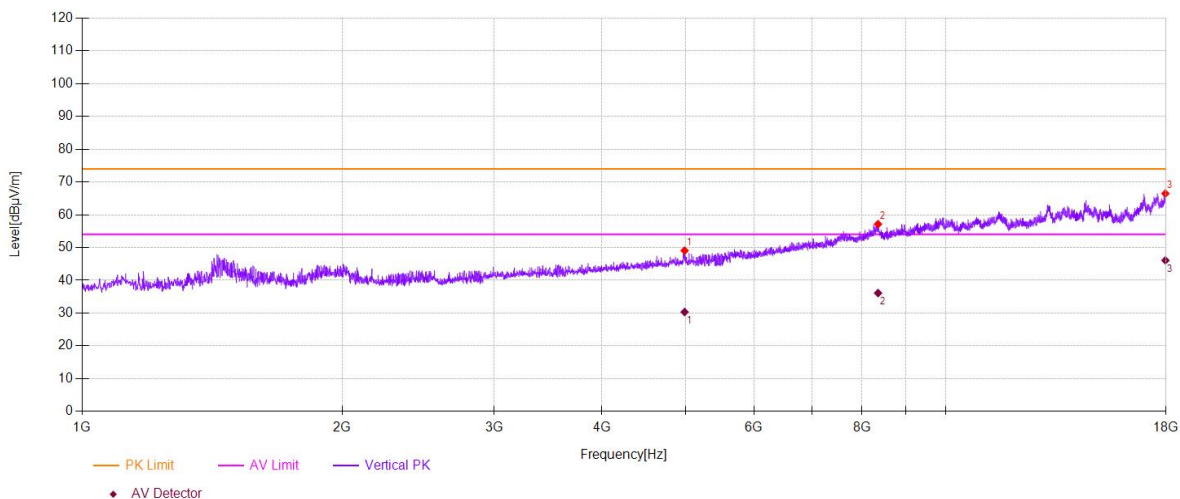
Temperature:	25°C
Relative Humidity:	60%
ATM Pressure:	1011 mbar
Test Engineer:	LHJ

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

For Spurious Emission below 30MHz (9KHz to 30MHz), was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

■ Spurious Emission Above 1GHz (1GHz to 25GHz)
BLE mode have been tested, and the worst result was report as below:

Test mode: BLE(1M) Frequency: Channel 0: 2402MHz

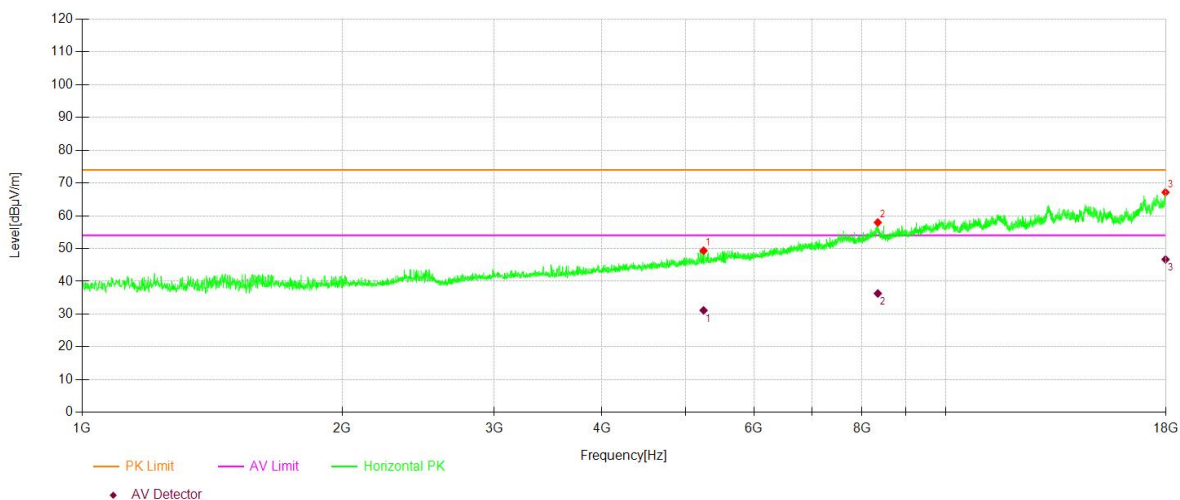


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4985.625	49.07	-12.17	74.00	24.93	PK	Vertical
2	8351.25	57.15	-2.07	74.00	16.85	PK	Vertical
3	17970	66.48	10.86	74.00	7.52	PK	Vertical

AV Final Data List

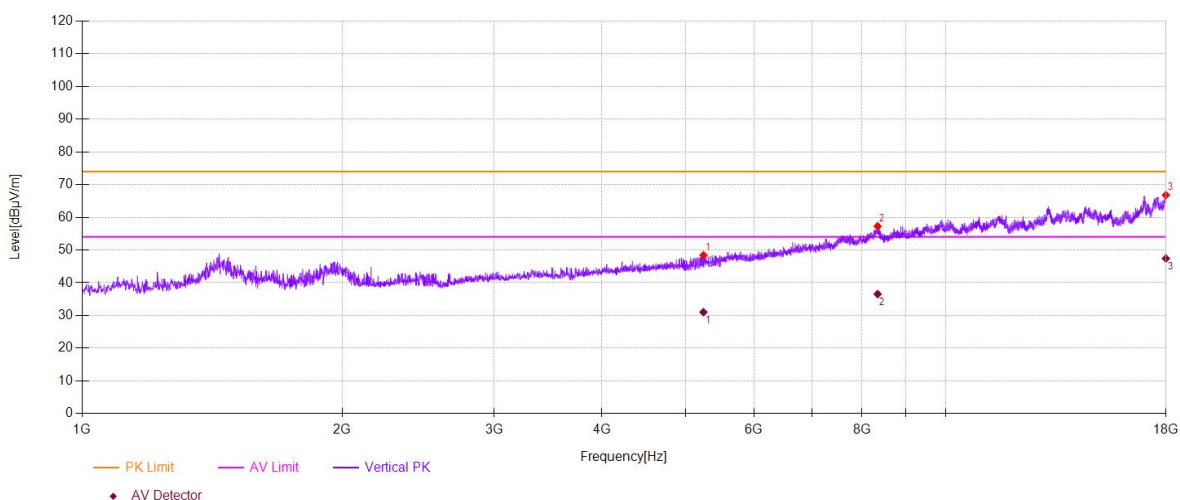
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4985.625	30.34	54.00	23.66	AV	Vertical
2	8351.25	36.12	54.00	17.88	AV	Vertical
3	17970	46.08	54.00	7.92	AV	Vertical



Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5244.375	49.35	-11.04	74.00	24.65	PK	Horizontal
2	8345.625	57.95	-2.09	74.00	16.05	PK	Horizontal
3	17975.625	67.15	11.09	74.00	6.85	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5244.375	31.14	54.00	22.86	AV	Horizontal
2	8345.625	36.30	54.00	17.70	AV	Horizontal
3	17975.625	46.69	54.00	7.31	AV	Horizontal

Test mode: BLE(1M) Frequency: Channel 19: 2440MHz

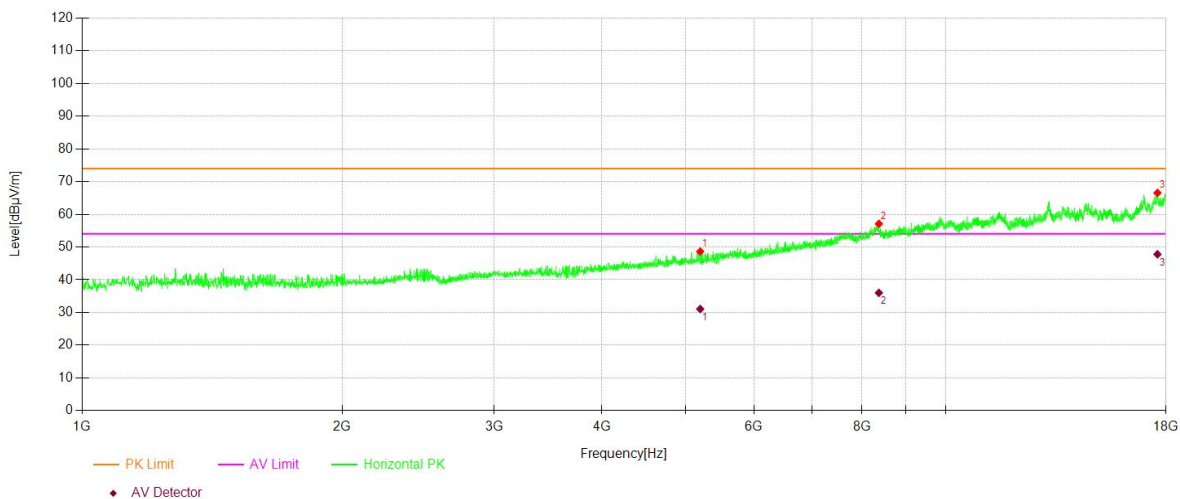


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5242.5	48.40	-11.05	74.00	25.60	PK	Vertical
2	8341.875	57.28	-2.10	74.00	16.72	PK	Vertical
3	17992.5	66.79	11.77	74.00	7.21	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5242.5	31.03	54.00	22.97	AV	Vertical
2	8341.875	36.55	54.00	17.45	AV	Vertical
3	17992.5	47.43	54.00	6.57	AV	Vertical



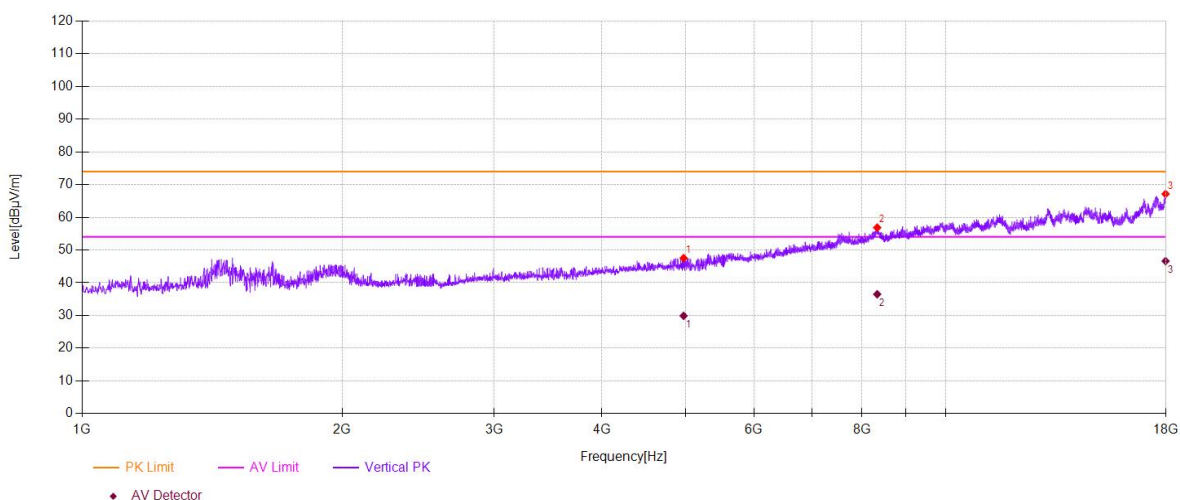
Suspected Data List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5197.5	48.64	-11.23	74.00	25.36	PK	Horizontal
2	8370	57.09	-2.07	74.00	16.91	PK	Horizontal
3	17593.125	66.55	12.12	74.00	7.45	PK	Horizontal

AV Final Data List						
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5197.5	31.06	54.00	22.94	AV	Horizontal
2	8370	36.01	54.00	17.99	AV	Horizontal
3	17593.125	47.79	54.00	6.21	AV	Horizontal

Test mode: BLE(1M)

Frequency:

Channel 39: 2480MHz

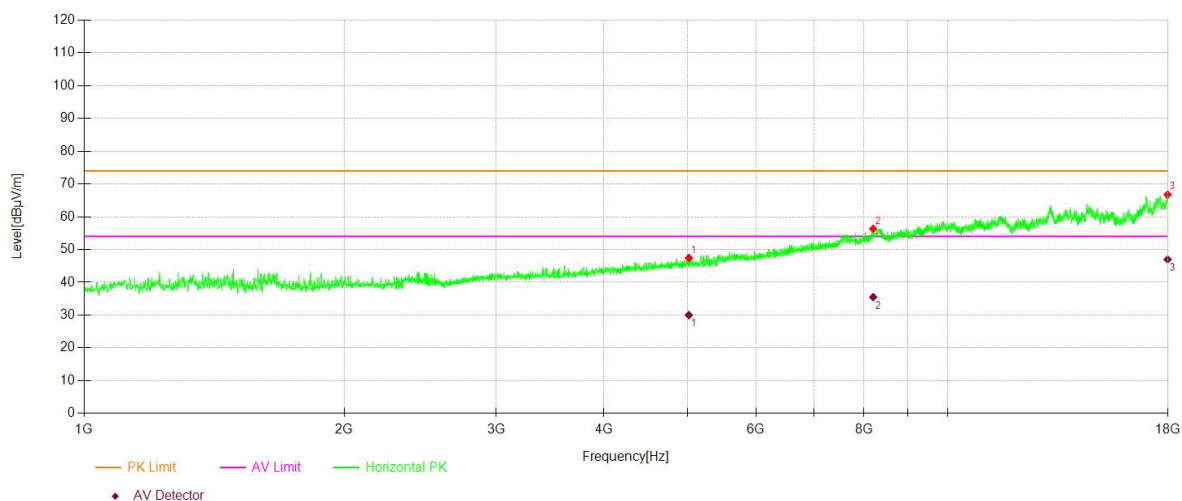


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4972.5	47.54	-12.18	74.00	26.46	PK	Vertical
2	8332.5	56.85	-2.11	74.00	17.15	PK	Vertical
3	17979.375	67.13	11.24	74.00	6.87	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	4972.5	29.90	54.00	24.10	AV	Vertical
2	8332.5	36.50	54.00	17.50	AV	Vertical
3	17979.37	46.63	54.00	7.37	AV	Vertical



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5015.625	47.42	-12.07	74.00	26.58	PK	Horizontal
2	8199.375	56.33	-3.02	74.00	17.67	PK	Horizontal
3	17981.25	66.74	11.32	74.00	7.26	PK	Horizontal

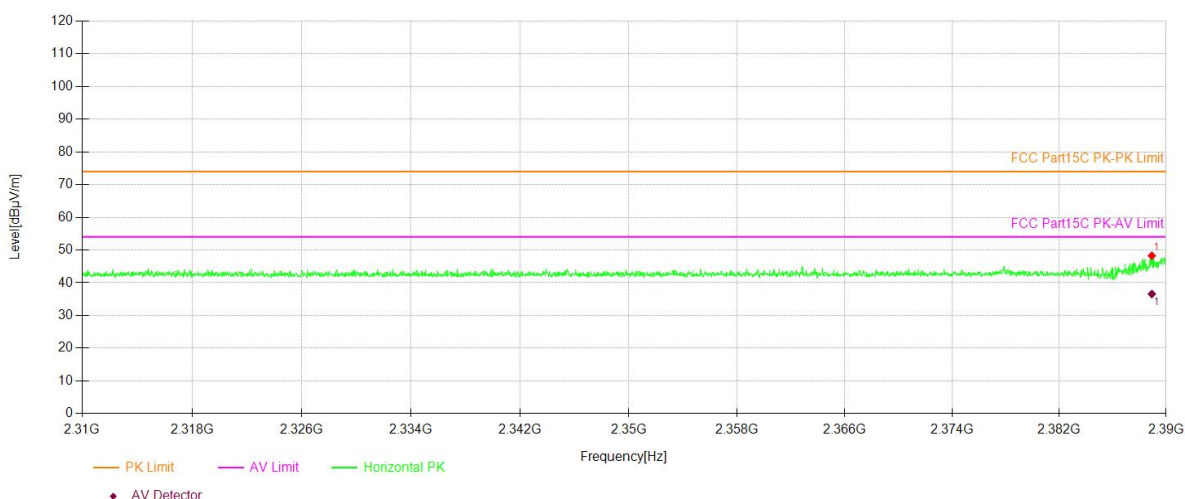
AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	5015.625	30.01	54.00	23.99	AV	Horizontal
2	8199.375	35.48	54.00	18.52	AV	Horizontal
3	17981.25	46.98	54.00	7.02	AV	Horizontal

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
 - (2) Corrected Reading= Reading Level+Correct Factor.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) Margin = Limit - Corrected Reading
 - (5)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

Test Model	Spurious Emission in Restricted Band 2310-2390MHz
Channel 0: 2402MHz	BLE_1M
	H



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2388.933	48.26	30.29	74.00	25.74	PK	Horizontal

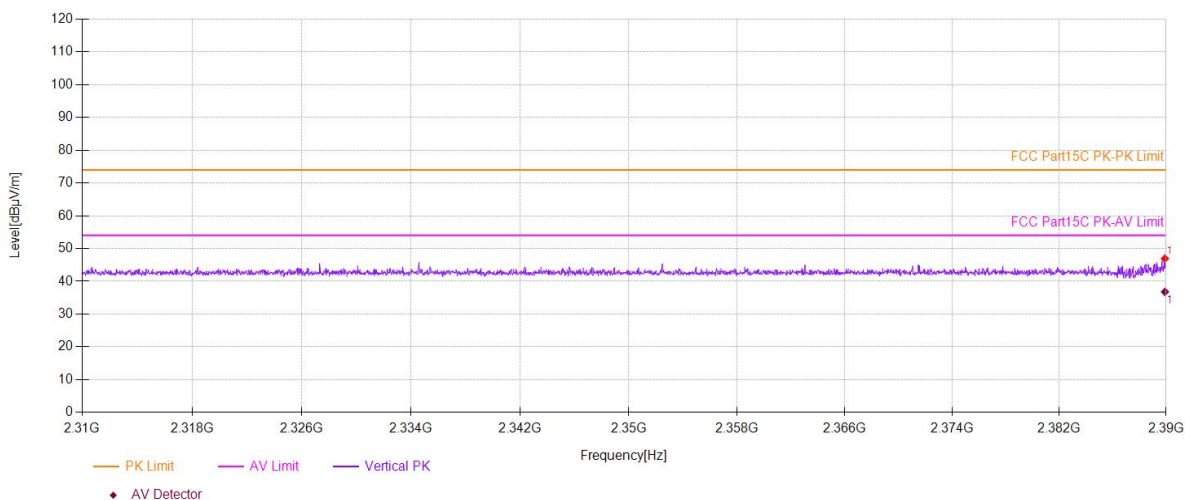
AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2388.933	36.57	54.00	17.43	AV	Horizontal

Test Model

Spurious Emission in Restricted Band 2310-2390MHz
Channel 0: 2402MHz BLE_1M

V



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.92	46.94	30.29	74.00	27.06	PK	Vertical

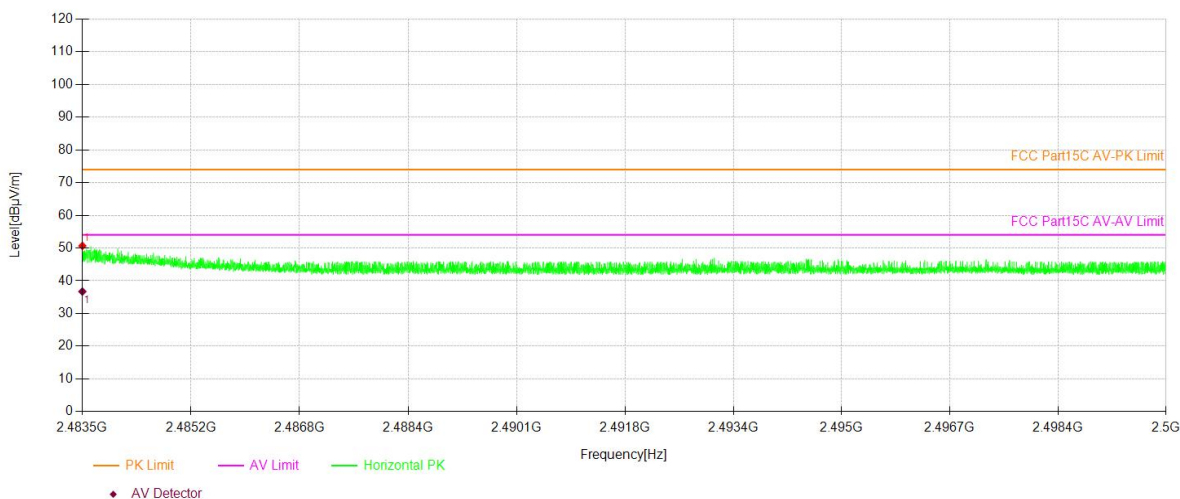
AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2389.92	36.80	54.00	17.20	AV	Vertical

Test Model

Spurious Emission in Restricted Band 2483.5-2500MHz
Channel 39: 2480MHz BLE_2M

H



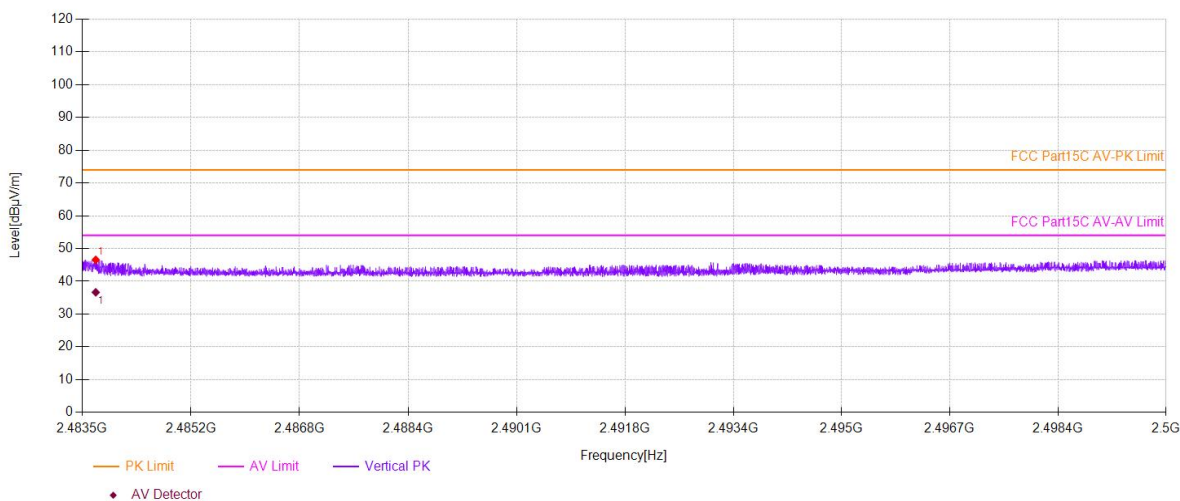
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.5033	50.66	30.12	74.00	23.34	PK	Horizontal

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2483.5033	36.71	54.00	17.29	AV	Horizontal

Test Model Spurious Emission in Restricted Band 2483.5-2500MHz
Channel 39: 2480MHz BLE_2M V



Suspected Data List

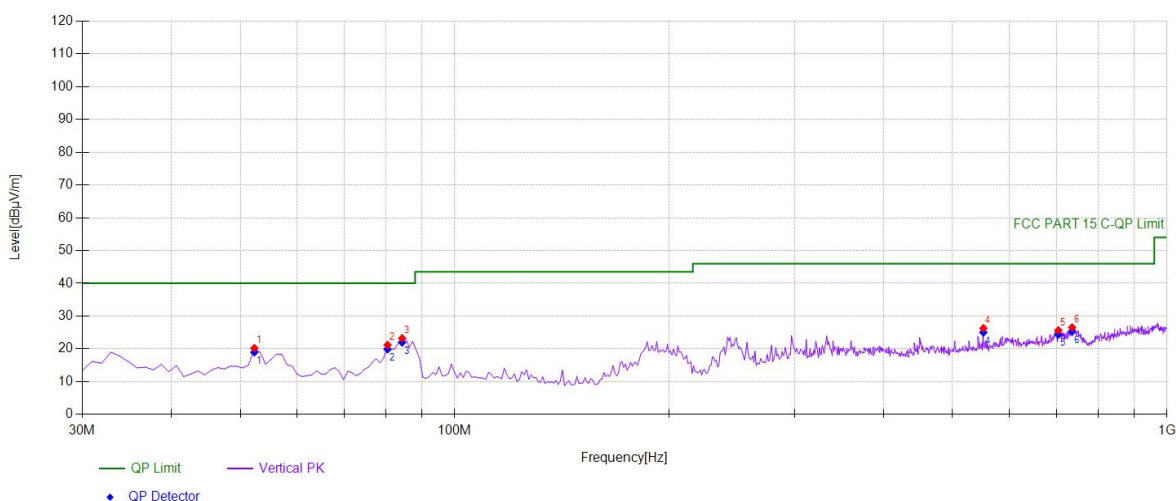
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.7062	46.57	30.12	74.00	27.43	PK	Vertical

AV Final Data List

NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity
1	2483.7062	36.66	54.00	17.34	AV	Vertical

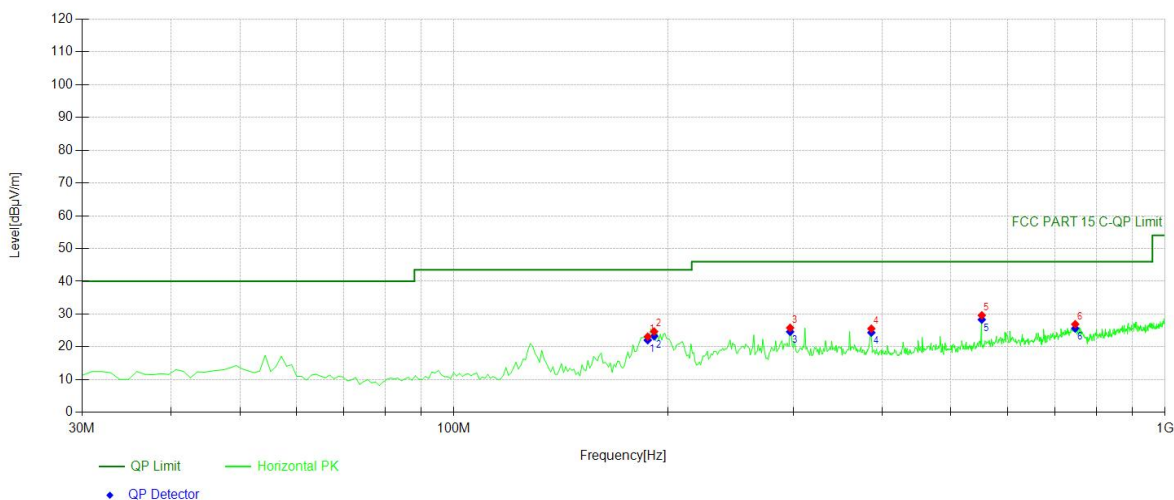
■ Spurious Emission below 1GHz (30MHz to 1GHz)
BLE mode have been tested, and the worst result was report as below:

Mode:	BLE 2402
-------	----------



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	52.3323	31.20	-10.97	20.23	PK	40.00	19.77	Vertical
2	80.4905	36.01	-14.83	21.18	PK	40.00	18.82	Vertical
3	84.3744	37.48	-14.24	23.24	PK	40.00	16.76	Vertical
4	552.382	29.24	-2.94	26.30	PK	46.00	19.70	Vertical
5	703.853	25.90	-0.23	25.67	PK	46.00	20.33	Vertical
6	735.895	26.14	0.40	26.54	PK	46.00	19.46	Vertical

Final Data List					
NO.	Freq.[MHz]	Factor[dB/m]	QP Value[dBμV/m]	QP Limit[dBμV/m]	QP Margin[dB]
1	52.3323	-10.97	18.97	40.00	21.03
2	80.4905	-14.83	19.92	40.00	20.08
3	84.3744	-14.24	21.98	40.00	18.02
4	552.3824	-2.94	25.04	46.00	20.96
5	703.8539	-0.23	24.41	46.00	21.59
6	735.8959	0.40	25.28	46.00	20.72



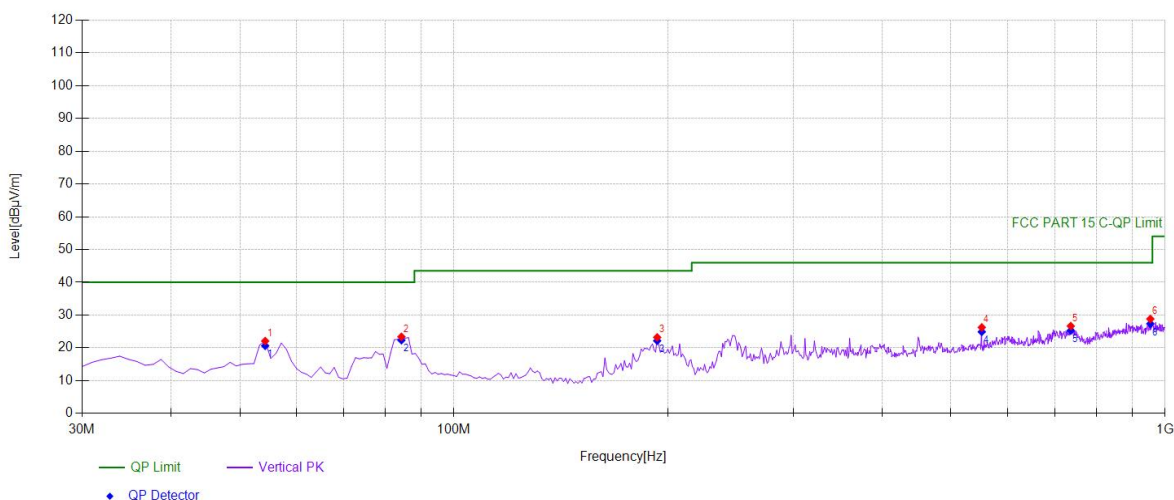
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	187.297	36.03	-12.90	23.13	PK	43.50	20.37	Horizontal
2	191.181	37.38	-12.71	24.67	PK	43.50	18.83	Horizontal
3	297.017	34.19	-8.37	25.82	PK	46.00	20.18	Horizontal
4	386.346	31.28	-5.71	25.57	PK	46.00	20.43	Horizontal
5	552.382	32.56	-2.94	29.62	PK	46.00	16.38	Horizontal
6	747.547	26.96	-0.04	26.92	PK	46.00	19.08	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	187.2973	-12.90	22.06	43.50	21.44
2	191.1812	-12.71	23.28	43.50	20.22
3	297.017	-8.37	24.61	46.00	21.39
4	386.3463	-5.71	24.36	46.00	21.64
5	552.3824	-2.94	28.33	46.00	17.67
6	747.5475	-0.04	25.63	46.00	20.37

Mode:	BLE 2440
-------	----------

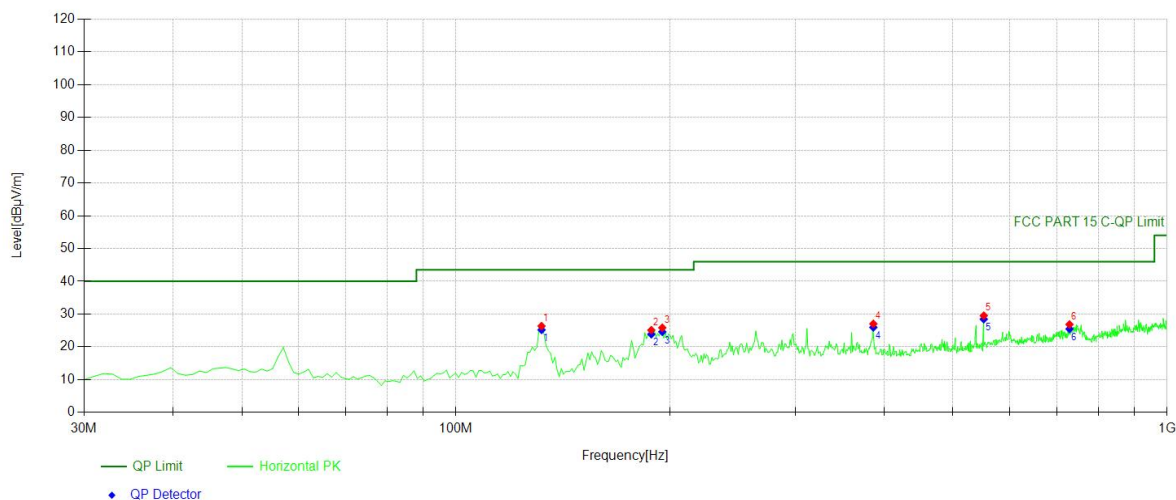


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	33.33	-11.23	22.10	PK	40.00	17.90	Vertical
2	84.3744	37.63	-14.24	23.39	PK	40.00	16.61	Vertical
3	193.123	35.86	-12.64	23.22	PK	43.50	20.28	Vertical
4	552.382	29.21	-2.94	26.27	PK	46.00	19.73	Vertical
5	736.866	26.24	0.42	26.66	PK	46.00	19.34	Vertical
6	953.393	25.90	2.92	28.82	PK	46.00	17.18	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	54.2743	-11.23	20.64	40.00	19.36
2	84.3744	-14.24	22.34	40.00	17.66
3	193.1231	-12.64	22.17	43.50	21.33
4	552.3824	-2.94	24.90	46.00	21.10
5	736.8669	0.42	25.29	46.00	20.71
6	953.3934	2.92	27.37	46.00	18.63



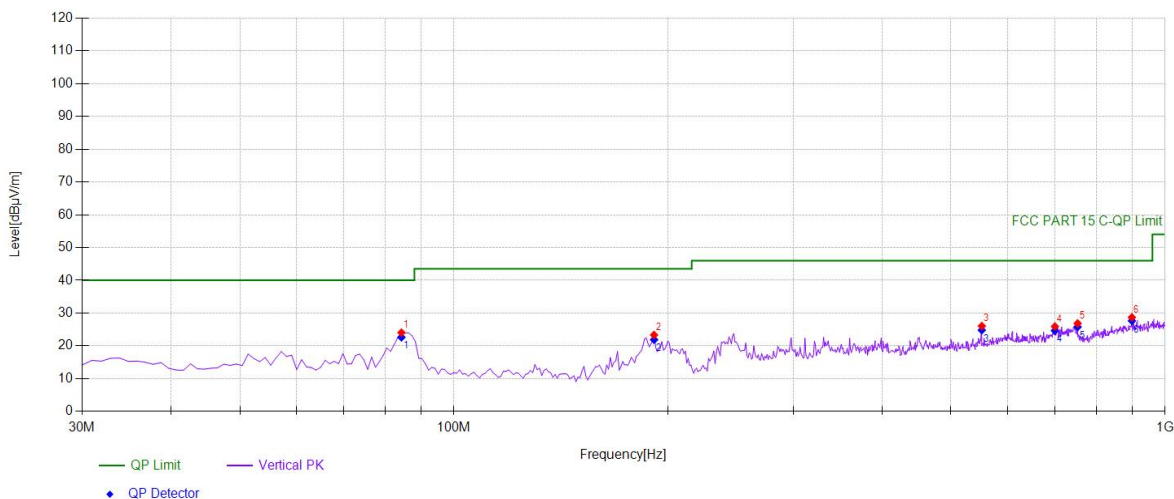
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	131.952	40.38	-14.02	26.36	PK	43.50	17.14	Horizontal
2	188.268	37.96	-12.85	25.11	PK	43.50	18.39	Horizontal
3	195.065	38.42	-12.57	25.85	PK	43.50	17.65	Horizontal
4	386.346	32.74	-5.71	27.03	PK	46.00	18.97	Horizontal
5	552.382	32.47	-2.94	29.53	PK	46.00	16.47	Horizontal
6	729.099	26.62	0.23	26.85	PK	46.00	19.15	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	131.952	-14.02	25.19	43.50	18.31
2	188.2683	-12.85	23.86	43.50	19.64
3	195.0651	-12.57	24.60	43.50	18.90
4	386.3463	-5.71	25.96	46.00	20.04
5	552.3824	-2.94	28.46	46.00	17.54
6	729.0991	0.23	25.46	46.00	20.54

Mode:	BLE 2480
-------	----------

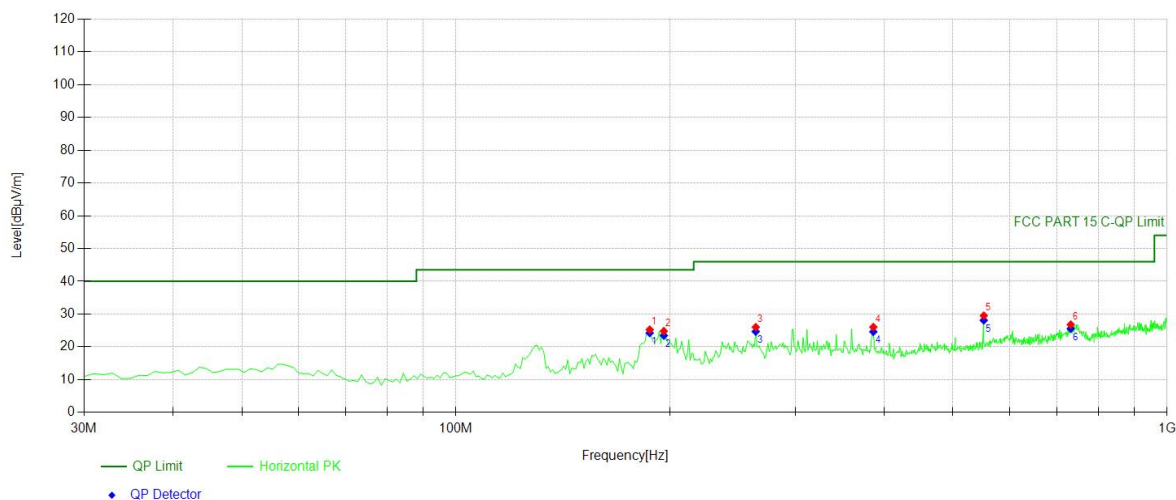


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	84.3744	38.29	-14.24	24.05	PK	40.00	15.95	Vertical
2	191.181	36.04	-12.71	23.33	PK	43.50	20.17	Vertical
3	552.382	29.01	-2.94	26.07	PK	46.00	19.93	Vertical
4	699.97	26.17	-0.24	25.93	PK	46.00	20.07	Vertical
5	753.373	27.23	-0.37	26.86	PK	46.00	19.14	Vertical
6	898.048	26.22	2.50	28.72	PK	46.00	17.28	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	84.3744	-14.24	22.61	40.00	17.39
2	191.1812	-12.71	21.89	43.50	21.61
3	552.3824	-2.94	24.81	46.00	21.19
4	699.97	-0.24	24.67	46.00	21.33
5	753.3734	-0.37	25.78	46.00	20.22
6	898.048	2.50	27.64	46.00	18.36



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	187.297	38.16	-12.90	25.26	PK	43.50	18.24	Horizontal
2	196.036	37.34	-12.53	24.81	PK	43.50	18.69	Horizontal
3	264.004	36.17	-10.14	26.03	PK	46.00	19.97	Horizontal
4	386.346	31.76	-5.71	26.05	PK	46.00	19.95	Horizontal
5	552.382	32.47	-2.94	29.53	PK	46.00	16.47	Horizontal
6	732.012	26.50	0.31	26.81	PK	46.00	19.19	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	187.2973	-12.90	24.24	43.50	19.26
2	196.036	-12.53	23.47	43.50	20.03
3	264.004	-10.14	24.69	46.00	21.31
4	386.3463	-5.71	24.63	46.00	21.37
5	552.3824	-2.94	28.11	46.00	17.89
6	732.012	0.31	25.57	46.00	20.43

8.8 CONDUCTED EMISSIONS TEST

8.8.1 Applicable Standard

According to FCC Part 15.207(a)
According to IC RSS-Gen 8.8

8.8.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	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.

8.8.3 Test Configuration

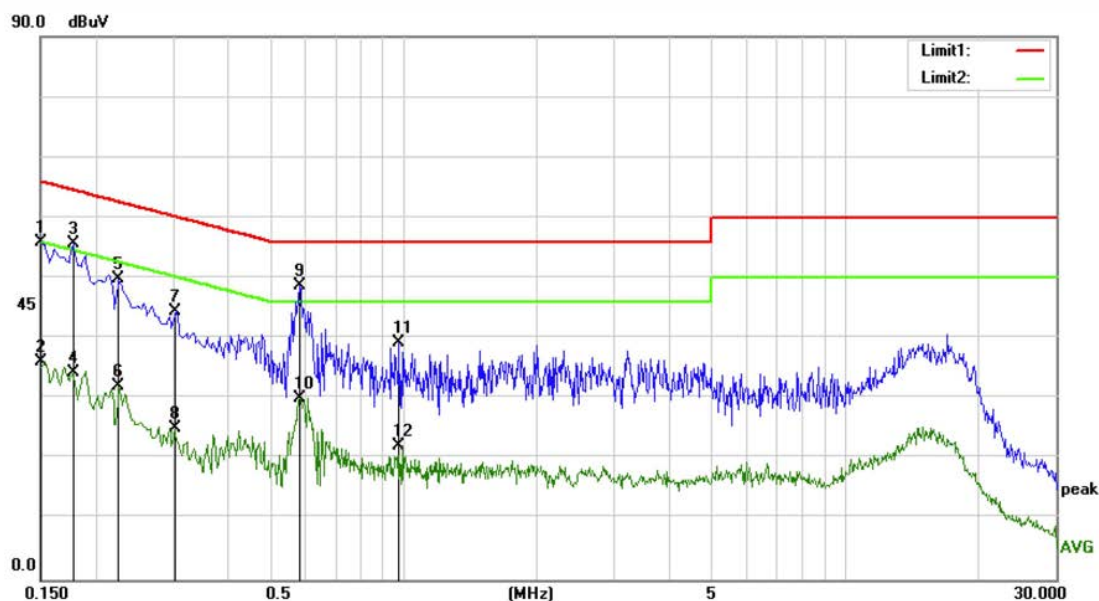
Test according to clause 7.3 conducted emission test setup

8.8.4 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.

8.8.5 Test Results

PASS



Site Conduction #1

Phase: **L1**

Temperature: 21.0

Limit: (CE)FCC PART 15 class B_QP

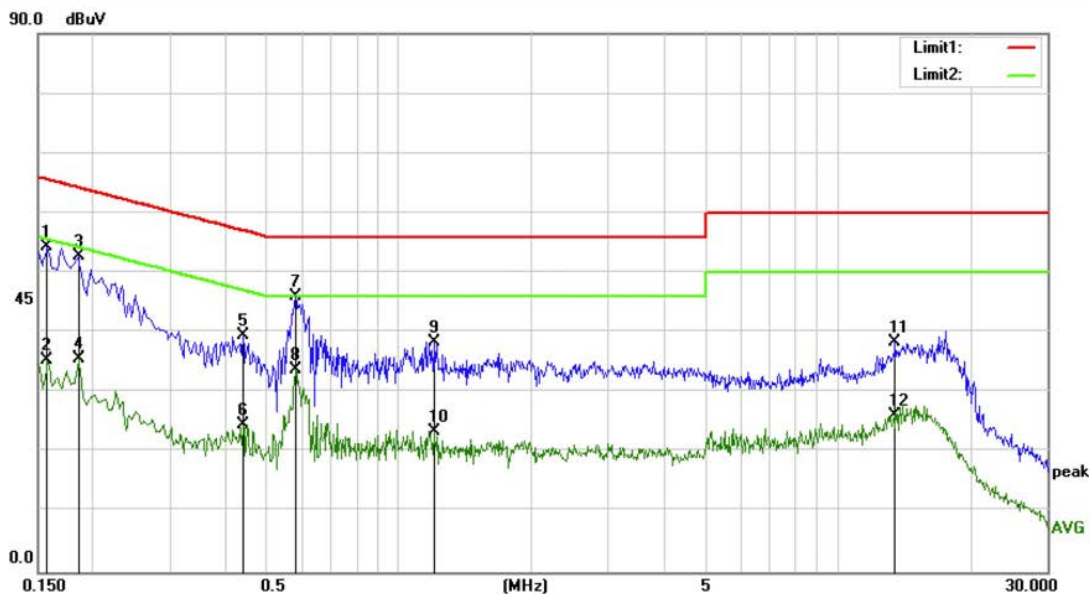
Power: AC 120V/60Hz

Humidity: 59 %

Mode: BT mode

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1		0.1500	46.14	9.71	55.85	66.00	-10.15	QP	
2		0.1500	26.36	9.71	36.07	56.00	-19.93	AVG	
3		0.1780	46.08	9.72	55.80	64.58	-8.78	QP	
4		0.1780	24.58	9.72	34.30	54.58	-20.28	AVG	
5		0.2260	40.18	9.71	49.89	62.60	-12.71	QP	
6		0.2260	22.34	9.71	32.05	52.60	-20.55	AVG	
7		0.3020	34.81	9.73	44.54	60.19	-15.65	QP	
8		0.3020	15.26	9.73	24.99	50.19	-25.20	AVG	
9	*	0.5820	39.09	9.72	48.81	56.00	-7.19	QP	
10		0.5820	20.42	9.72	30.14	46.00	-15.86	AVG	
11		0.9780	29.51	9.72	39.23	56.00	-16.77	QP	
12		0.9780	12.42	9.72	22.14	46.00	-23.86	AVG	



Site Conduction #1

Phase: **N**

Temperature: 21.0

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 59 %

Mode: BT mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1580	44.71	9.71	54.42	65.57	-11.15	QP	
2		0.1580	25.69	9.71	35.40	55.57	-20.17	AVG	
3		0.1860	42.93	9.73	52.66	64.21	-11.55	QP	
4		0.1860	25.99	9.73	35.72	54.21	-18.49	AVG	
5		0.4420	29.77	9.71	39.48	57.02	-17.54	QP	
6		0.4420	15.02	9.71	24.73	47.02	-22.29	AVG	
7	*	0.5820	36.36	9.72	46.08	56.00	-9.92	QP	
8		0.5820	24.21	9.72	33.93	46.00	-12.07	AVG	
9		1.1980	28.57	9.73	38.30	56.00	-17.70	QP	
10		1.1980	13.74	9.73	23.47	46.00	-22.53	AVG	
11		13.4260	28.39	9.93	38.32	60.00	-21.68	QP	
12		13.4260	16.37	9.93	26.30	50.00	-23.70	AVG	

8.9 ANTENNA APPLICATION

8.9.1 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.
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 stave having the highest gain.

8.9.2 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 -----

9 APPENDIX PHOTOGRAPHS OF EUT

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



10 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.