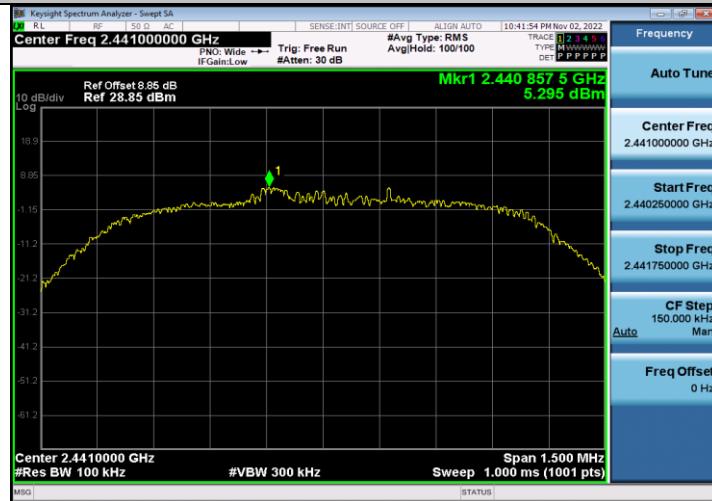


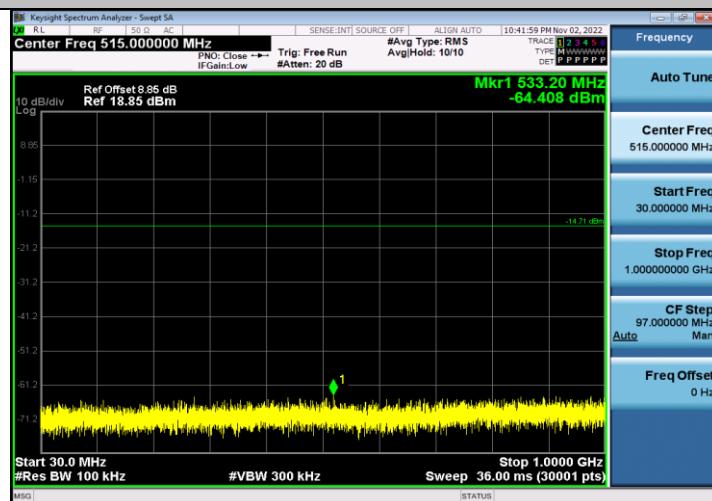


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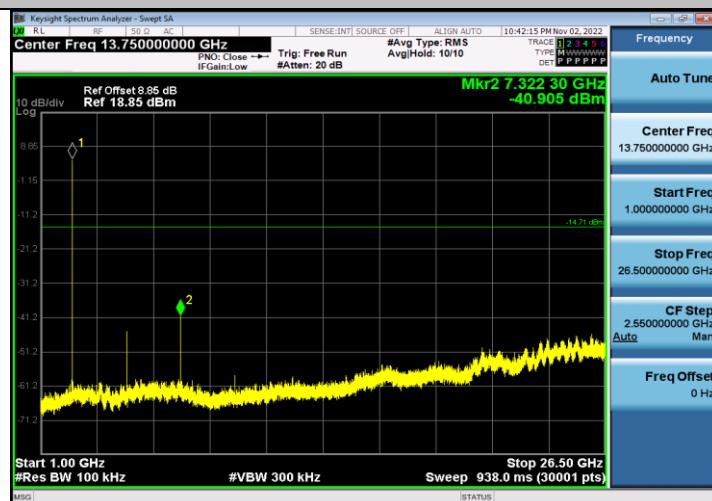
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



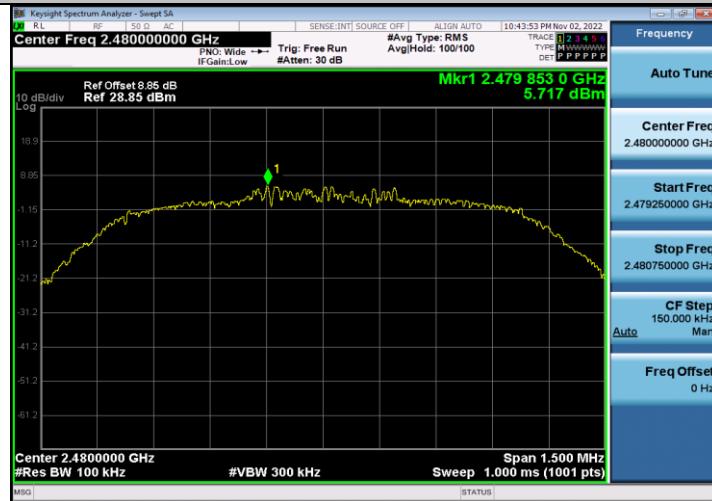
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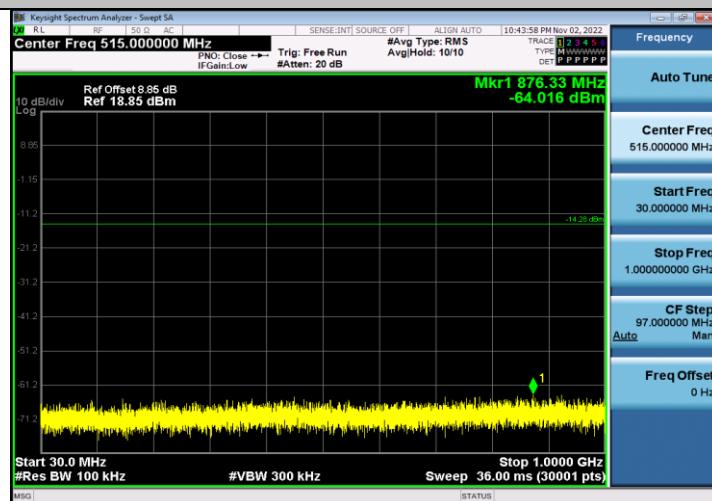


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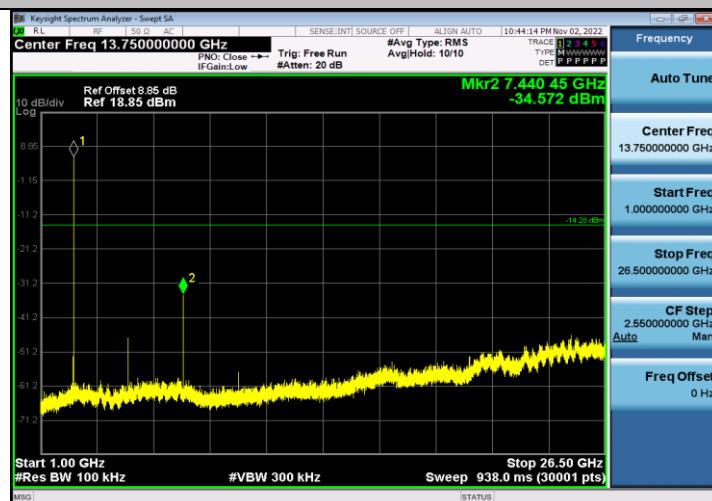
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



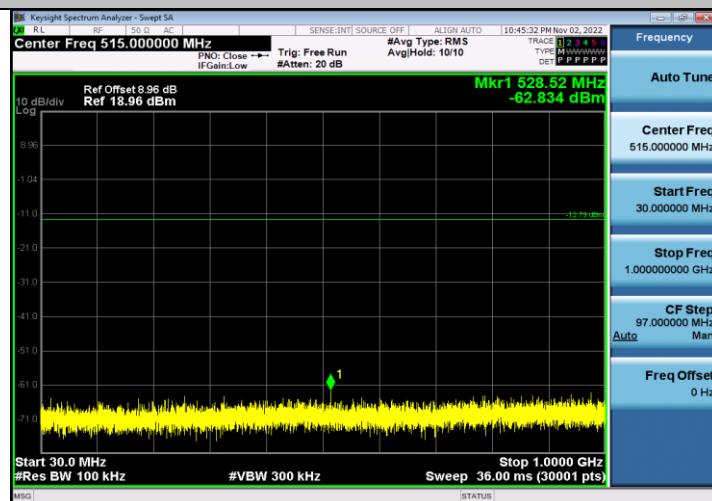


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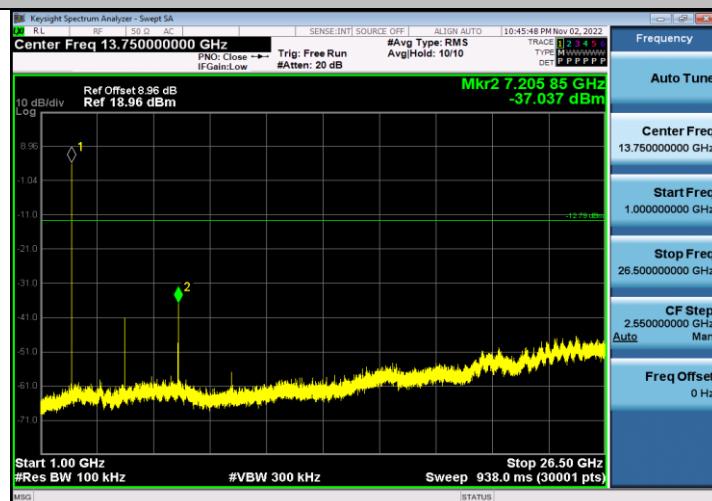
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



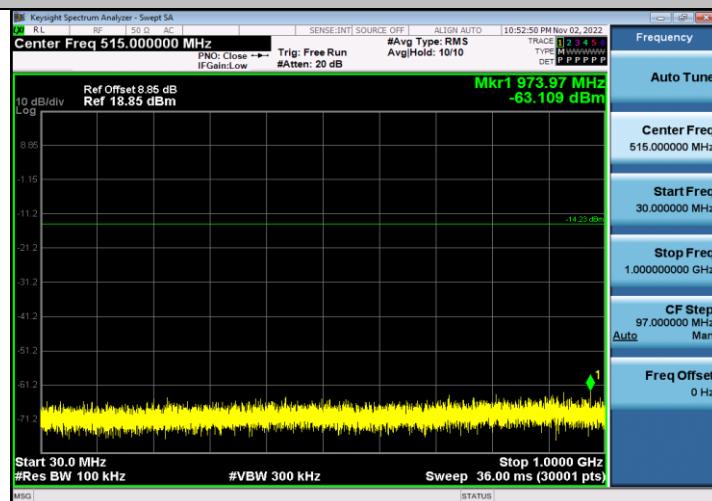


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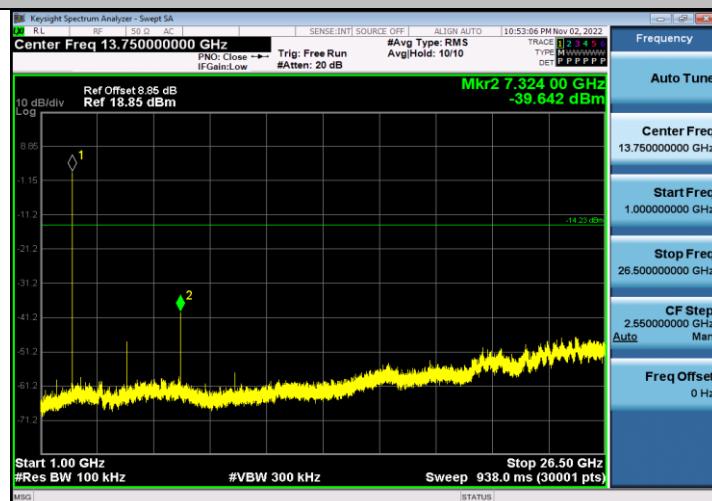
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



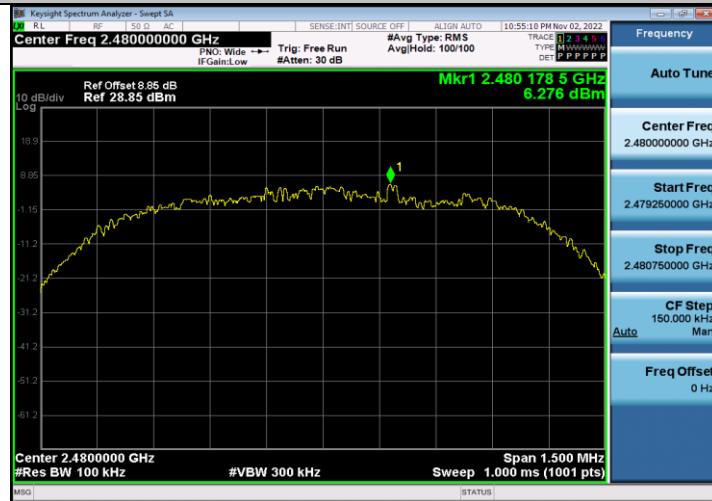
3DH5_Ant1_2441_1000~26500



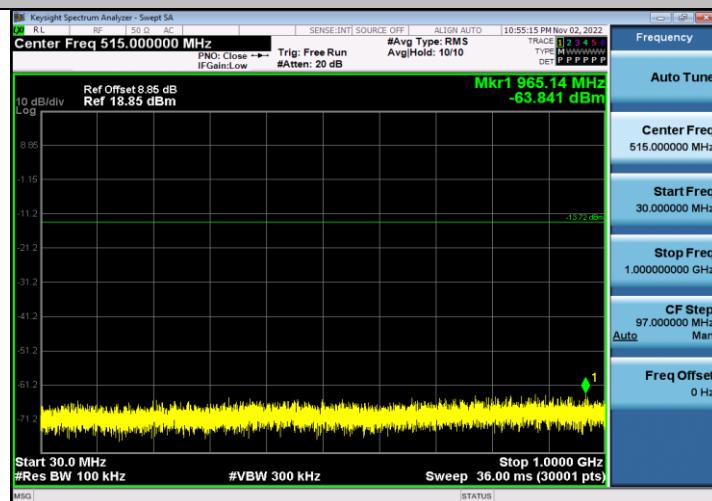


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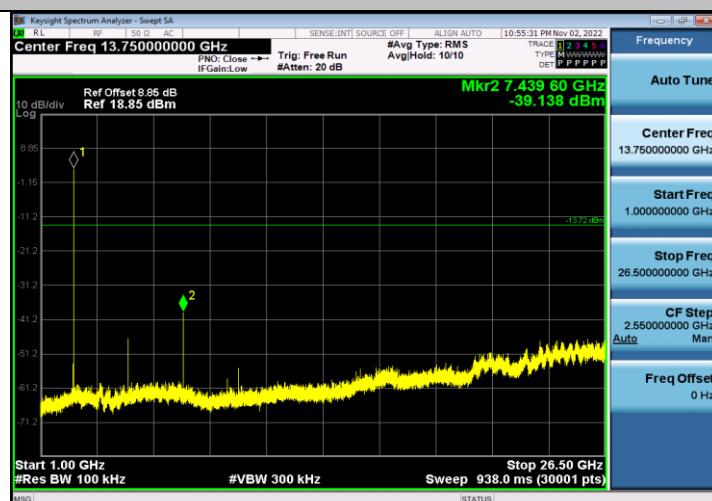
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



4.9 Emissions in restricted frequency bands

4.9.1 Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
1.0495 - 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	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	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 - 156.525	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	--	--	--



All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

4.9.2 Test Procedure Reference

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

4.9.3 Test Procedures

Peak Field Strength Measurements

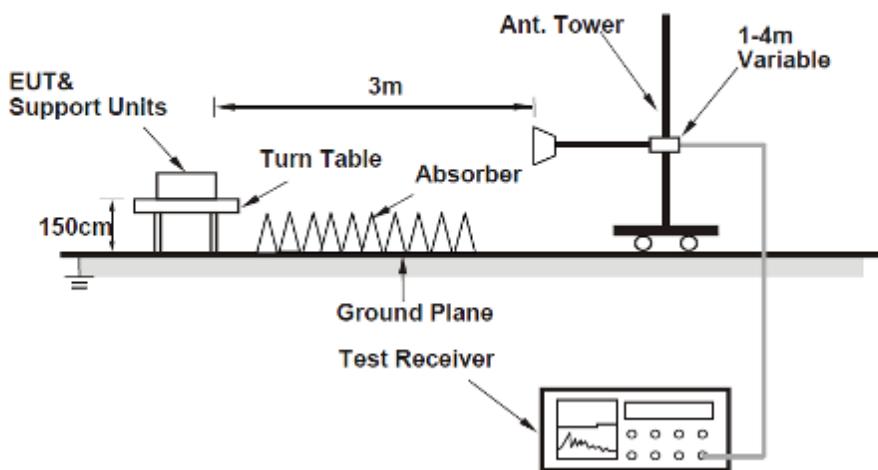
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Average
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

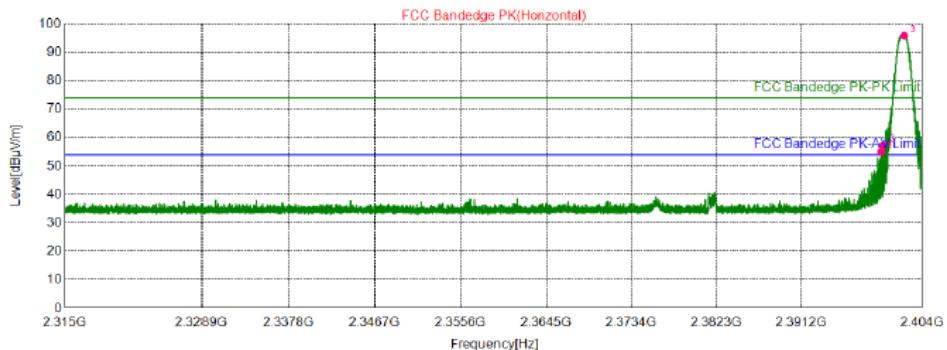
4.9.4 Test Setup

For Radiated emission above 1GHz



4.9.5 Test Results

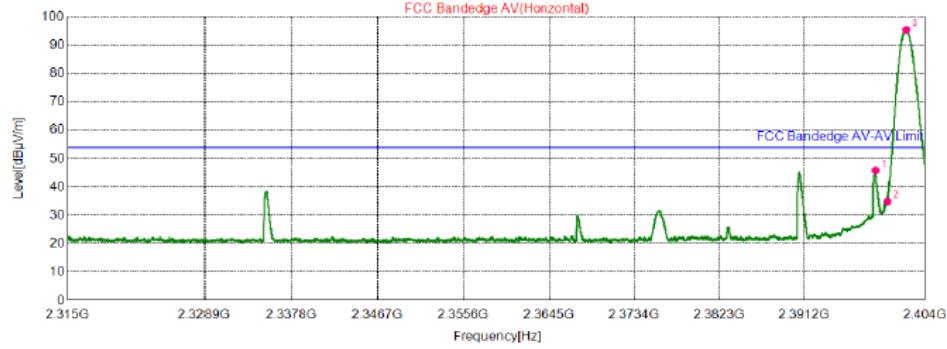
DH5-2402MHz/ Horizontal/PK



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2399.6613	72.74	55.00	74.00	19.00	155	261	Horizontal	PK
2	2399.8838	75.09	57.35	74.00	16.65	155	141	Horizontal	PK
3	2402.0754	113.58	95.83	74.00	-21.83	155	141	Horizontal	PK

DH5-2402MHz/ Horizontal/AV



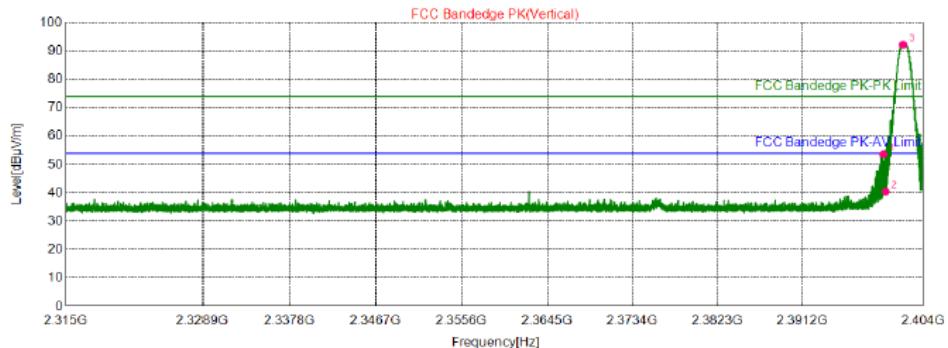
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2398.7601	63.33	45.85	54.00	8.15	150	105	Horizontal	PK
2	2400.0061	52.37	34.88	54.00	19.12	150	271	Horizontal	PK
3	2402.0086	112.91	95.42	54.00	-41.42	150	265	Horizontal	PK



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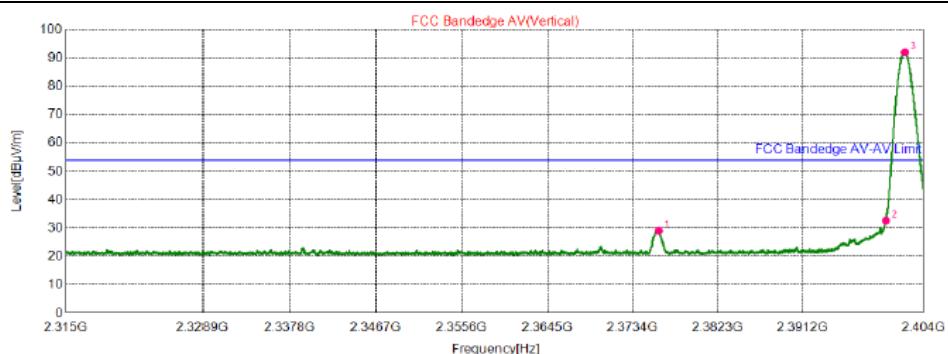
DH5-2402MHz/ Vertical/PK



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2399.7836	71.31	53.57	74.00	20.43	155	237	Vertical	PK
2	2400.0061	58.24	40.50	74.00	33.50	155	231	Vertical	PK
3	2401.8529	109.96	92.21	74.00	-18.21	155	237	Vertical	PK

DH5-2402MHz/ Vertical/AV



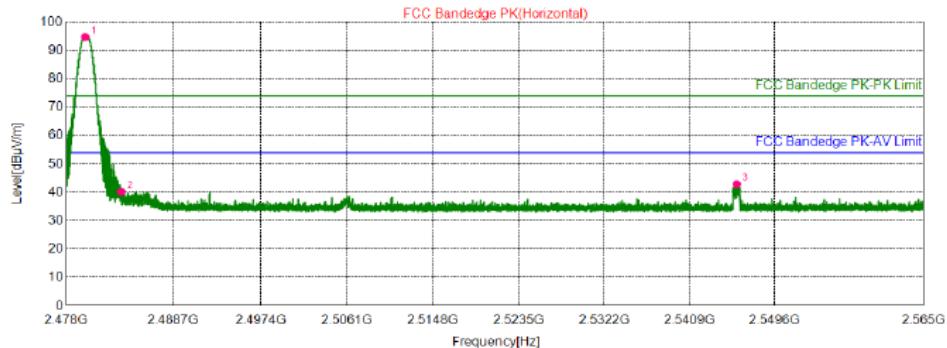
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2376.1096	46.47	29.02	54.00	24.98	150	232	Vertical	PK
2	2400.0061	50.14	32.65	54.00	21.35	150	140	Vertical	PK
3	2402.0198	109.48	91.99	54.00	-37.99	150	226	Vertical	PK



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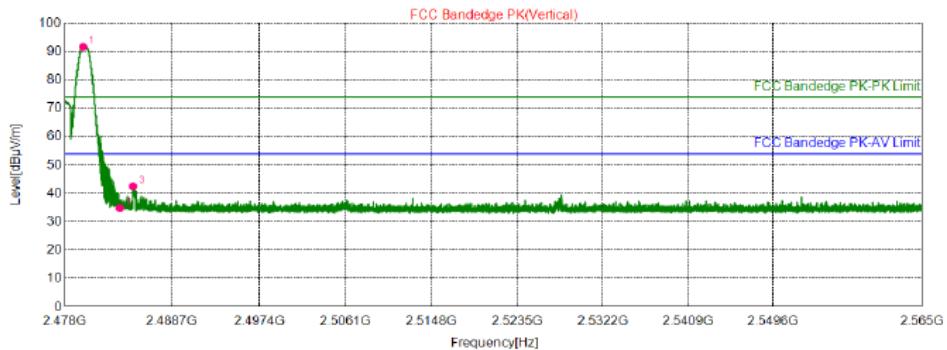
DH5-2480MHz/ Horizontal



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2479.8923	112.59	94.74	74.00	-20.74	155	272	Horizontal	PK
2	2483.5136	58.09	40.24	74.00	33.76	155	226	Horizontal	PK
3	2545.7295	60.67	42.89	74.00	31.11	155	278	Horizontal	PK

DH5-2480MHz/ Vertical



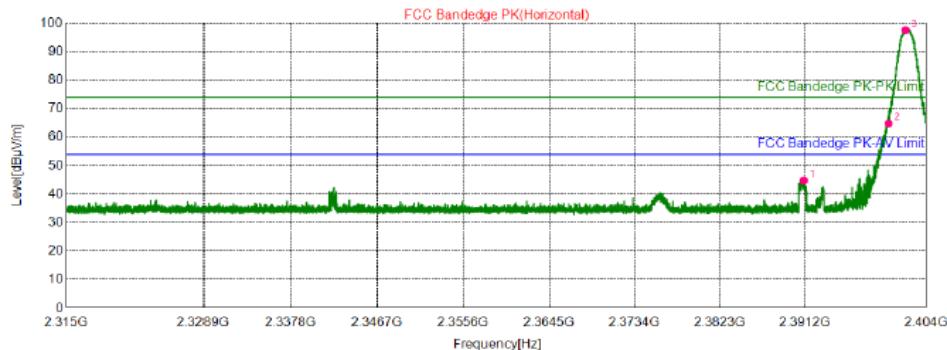
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2479.8379	109.47	91.62	74.00	-17.62	155	141	Vertical	PK
2	2483.5028	52.69	34.84	74.00	39.16	155	288	Vertical	PK
3	2484.8295	60.38	42.52	74.00	31.48	155	317	Vertical	PK



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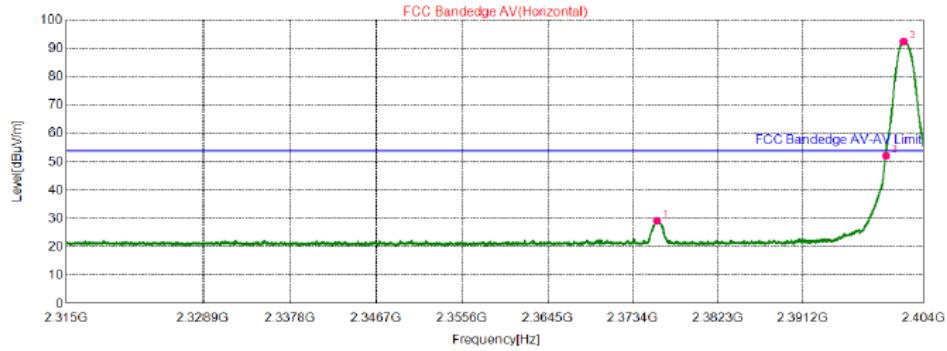
2DH5-2402MHz/ Horizontal/PK



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2391.0839	62.50	44.77	74.00	29.23	155	248	Horizontal	PK
2	2400.0061	82.53	64.79	74.00	9.21	155	265	Horizontal	PK
3	2401.7973	115.35	97.60	74.00	-23.60	155	145	Horizontal	PK

2DH5-2402MHz/ Horizontal/AV



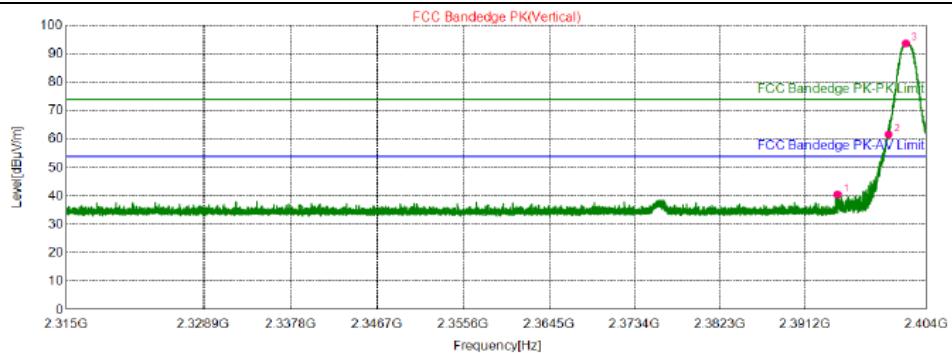
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2375.8983	46.64	29.20	54.00	24.80	150	261	Horizontal	PK
2	2400.0061	69.62	52.13	54.00	1.87	150	261	Horizontal	PK
3	2401.8751	109.90	92.41	54.00	-38.41	150	261	Horizontal	PK



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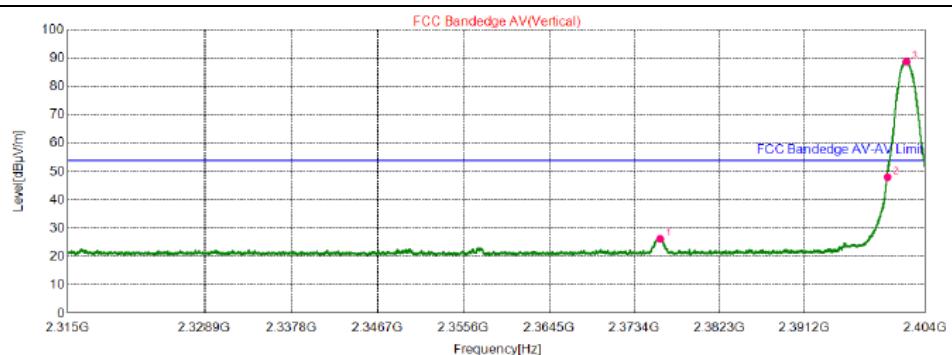
2DH5-2402MHz/ Vertical/PK



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2394.6439	58.35	40.62	74.00	33.38	155	95	Vertical	PK
2	2400.0061	79.36	61.62	74.00	12.38	155	232	Vertical	PK
3	2401.8418	111.35	93.60	74.00	-19.60	155	232	Vertical	PK

2DH5-2402MHz/ Vertical/AV



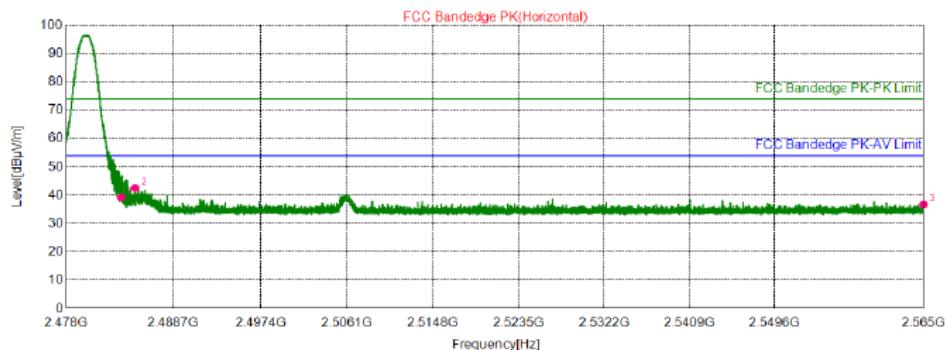
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2376.0874	43.68	26.23	54.00	27.77	150	232	Vertical	PK
2	2400.0061	65.58	48.09	54.00	5.91	150	238	Vertical	PK
3	2402.0086	106.19	88.70	54.00	-34.70	150	232	Vertical	PK



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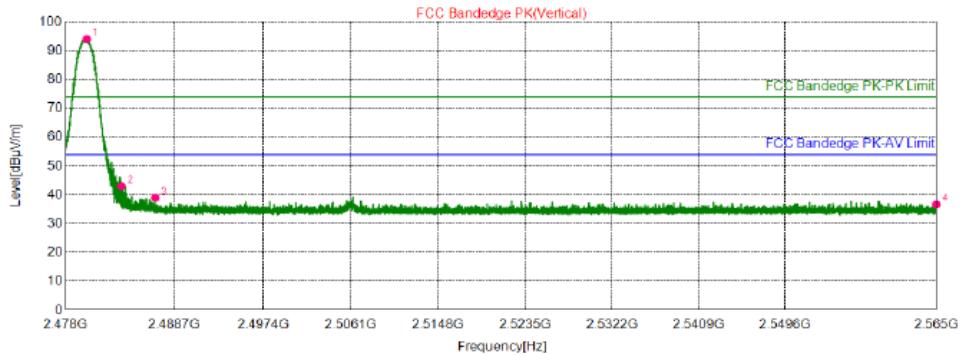
2DH5-2480MHz/ Horizontal



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2483.5028	57.01	39.16	74.00	34.84	155	104	Horizontal	PK
2	2484.9056	60.46	42.60	74.00	31.40	155	281	Horizontal	PK
3	2564.9891	54.44	36.71	74.00	37.29	155	241	Horizontal	PK

2DH5-2480MHz/ Vertical



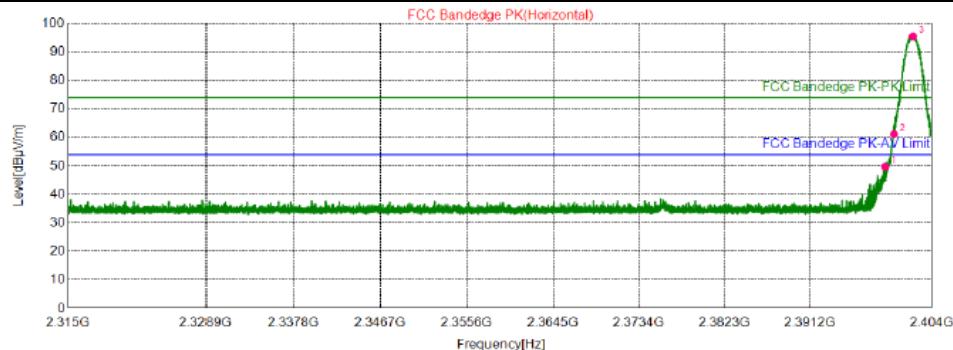
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2480.0880	111.84	93.99	74.00	-19.99	155	136	Vertical	PK
2	2483.5028	60.93	43.08	74.00	30.92	155	346	Vertical	PK
3	2486.8414	56.79	38.93	74.00	35.07	155	272	Vertical	PK
4	2564.9783	54.39	36.66	74.00	37.34	155	6	Vertical	PK



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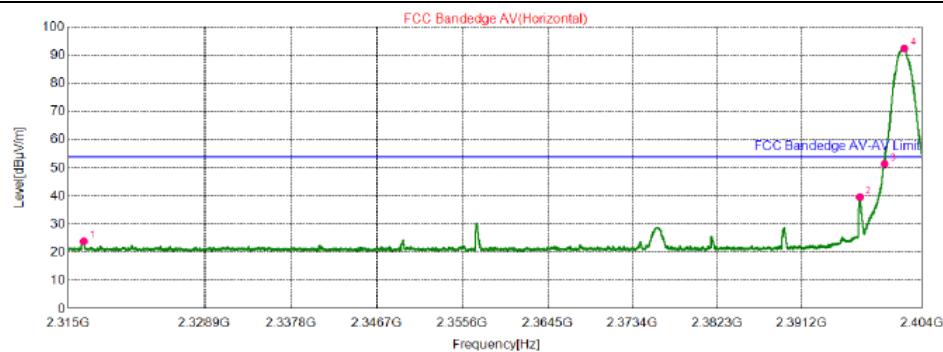
3DH5-2402MHz/ Horizontal/PK



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2399.0828	67.43	49.69	74.00	24.31	155	146	Horizontal	PK
2	2400.0061	78.84	61.10	74.00	12.90	155	266	Horizontal	PK
3	2401.9975	113.25	95.50	74.00	-21.50	155	146	Horizontal	PK

3DH5-2402MHz/ Horizontal/AV



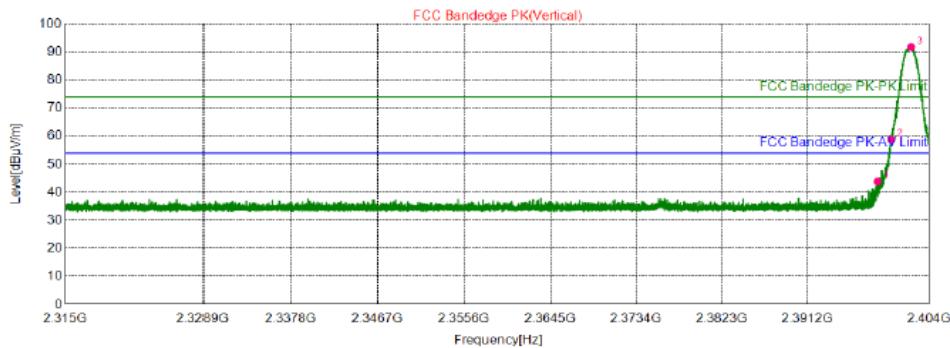
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2316.5909	41.23	23.93	54.00	30.07	150	88	Horizontal	PK
2	2397.3918	57.13	39.65	54.00	14.35	150	82	Horizontal	PK
3	2400.0061	68.88	51.39	54.00	2.61	150	265	Horizontal	PK
4	2402.1088	109.90	92.40	54.00	-38.40	150	265	Horizontal	PK



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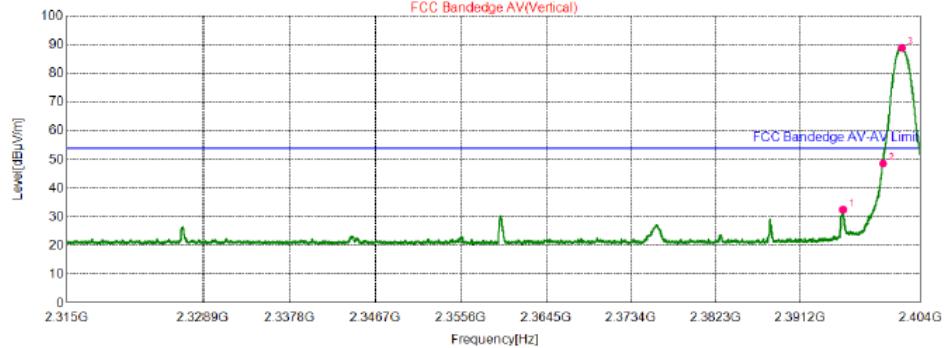
3DH5-2402MHz/ Vertical/PK



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2398.5710	61.53	43.79	74.00	30.21	155	227	Vertical	PK
2	2400.0061	76.43	58.69	74.00	15.31	155	232	Vertical	PK
3	2402.0865	109.49	91.74	74.00	-17.74	155	227	Vertical	PK

3DH5-2402MHz/ Vertical/AV



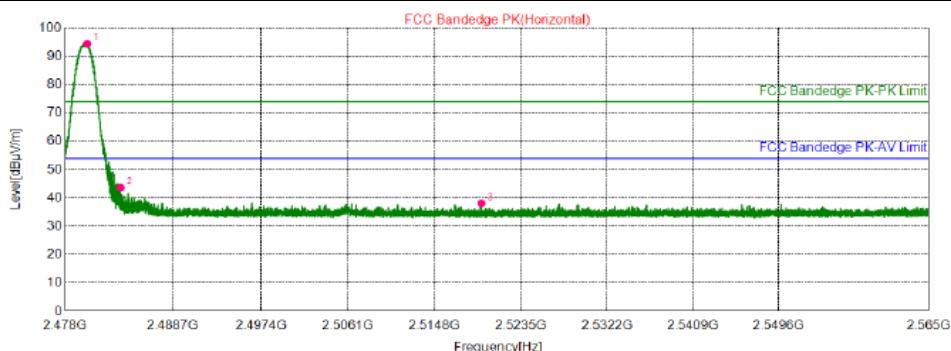
Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2395.7786	50.08	32.60	54.00	21.40	150	318	Vertical	PK
2	2400.0061	66.08	48.59	54.00	5.41	150	226	Vertical	PK
3	2402.0198	106.34	88.85	54.00	-34.85	150	232	Vertical	PK



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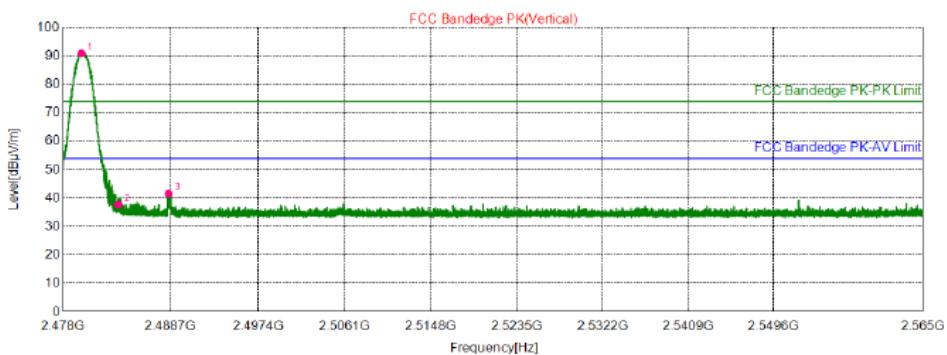
3DH5-2480MHz/ Horizontal



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2480.1968	112.23	94.38	74.00	-20.38	155	150	Horizontal	PK
2	2483.5136	61.44	43.59	74.00	30.41	155	150	Horizontal	PK
3	2519.4881	56.00	38.14	74.00	35.86	155	196	Horizontal	PK

3DH5-2480MHz/ Vertical



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2479.8379	108.72	90.87	74.00	-16.87	155	135	Vertical	PK
2	2483.5136	55.65	37.80	74.00	36.20	155	346	Vertical	PK
3	2488.5379	59.36	41.50	74.00	32.50	155	55	Vertical	PK

4.10 Radiated Emission Measurement

4.10.1 Limits

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB_{UV}/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

4.10.2 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on a 80cm height table above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Both X and Y axes of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotate table was turned from 0 degree to 360 degree to find the maximum reading.



- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a The EUT was placed on a 80cm height(above 1GHz is 1.5m height) table above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

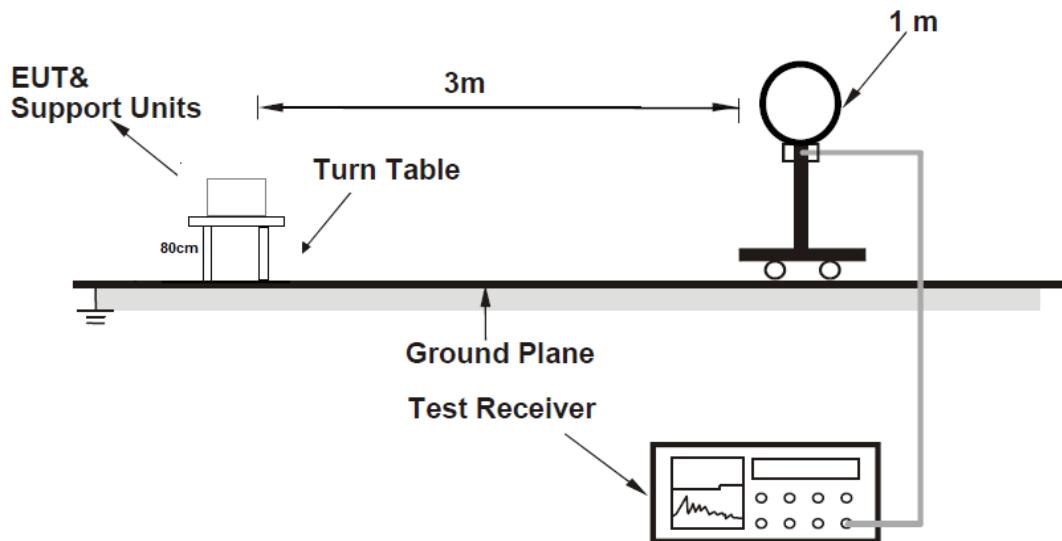
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz & 360 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1/T for RMS Average (Duty cycle < 98 %) for Peak detection at frequency above 1 GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

4.10.3 Deviation from Test Standard

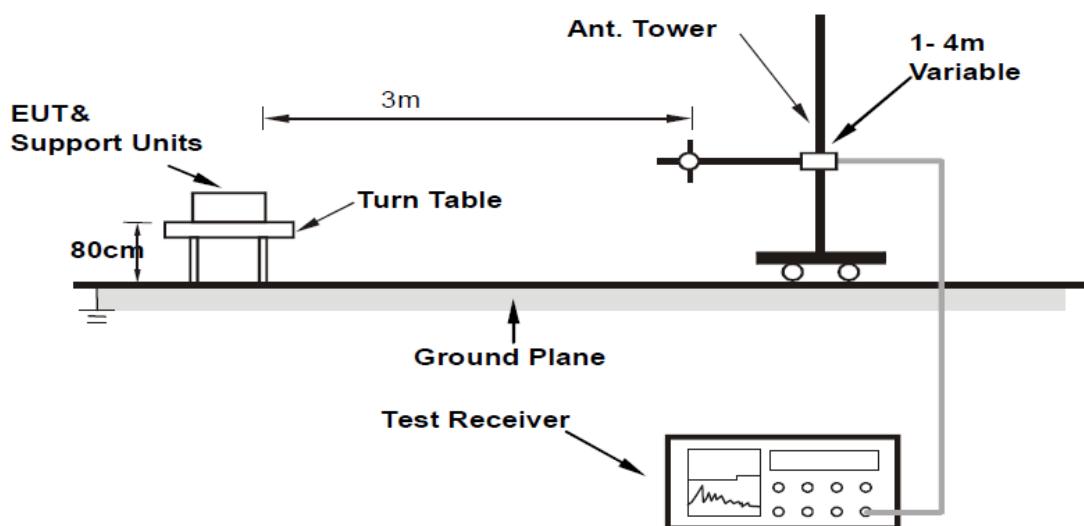
No deviation.

4.10.4 Test Setup

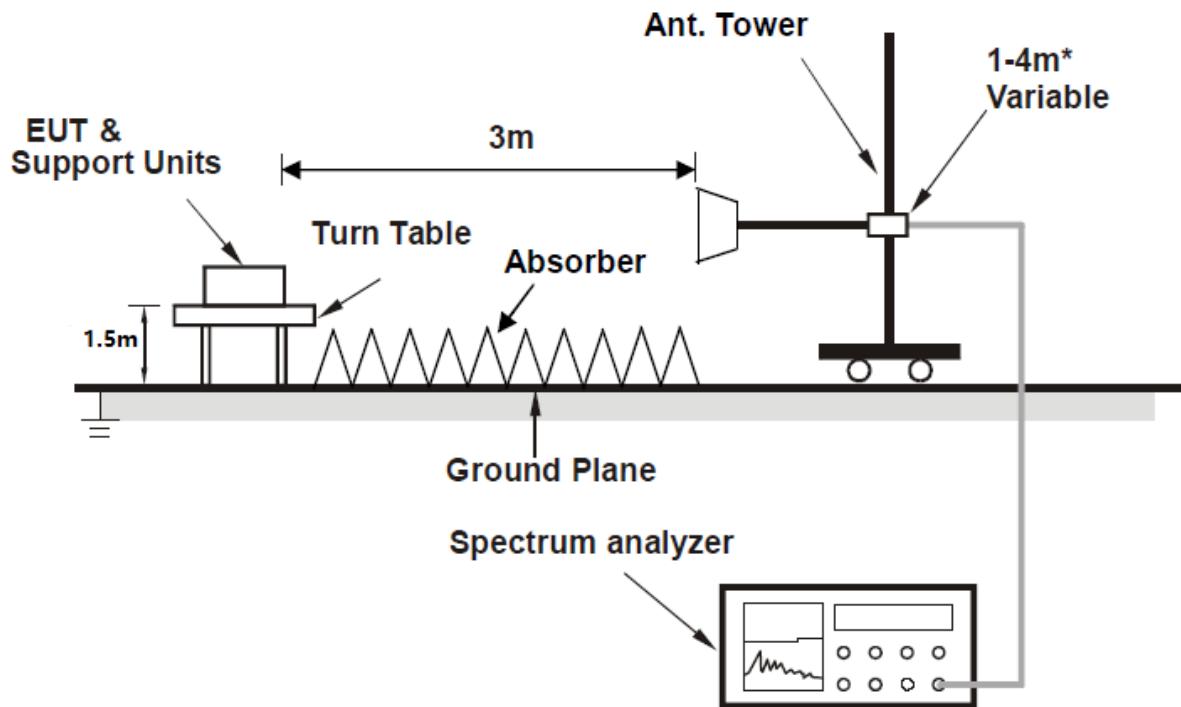
For Radiated emission between 30MHz~1000MHz



For Radiated emission between 30MHz~1000MHz



For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.10.5 EUT Operating Conditions

- Placed the EUT on a testing table.
- Use the software to control the EUT under transmission condition continuously at specific channel frequency.

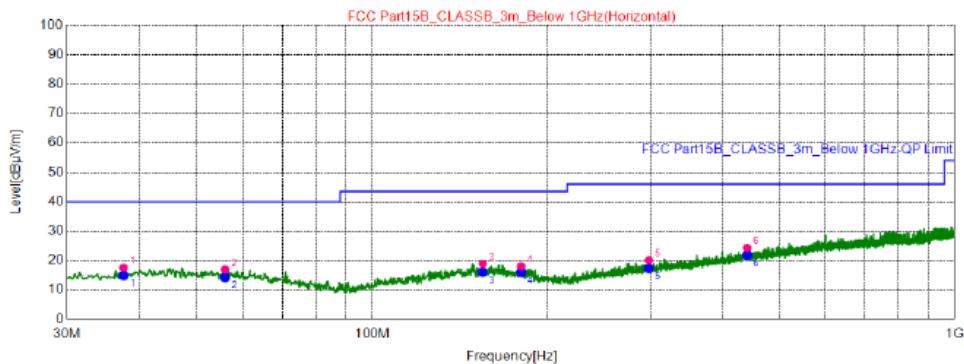
4.10.6 Test Results

Radiated Emissions Range 9kHz~30MHz

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

Radiated Emissions Range 30MHz~1GHz

Mode	802.11b-2412MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Antenna Polarity	Horizontal

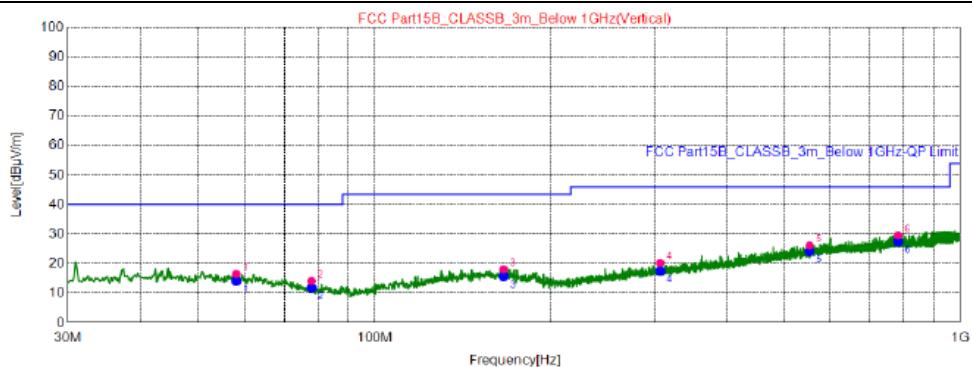

Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	37.5660	28.05	17.48	40.00	22.52	200	253	Horizontal	AV
2	55.8020	27.67	16.88	40.00	23.12	200	151	Horizontal	AV
3	154.5480	28.32	18.91	43.50	24.59	200	84	Horizontal	AV
4	179.9620	28.59	18.01	43.50	25.49	200	33	Horizontal	AV
5	298.3020	28.05	20.06	46.00	25.94	200	266	Horizontal	AV
6	439.9220	28.91	24.37	46.00	21.63	200	131	Horizontal	AV

REMARKS:

1. Emission Level(dBuV/m) = Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Mode	802.11b-2412MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Antenna Polarity	Vertical



Suspected List

NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	57.9360	27.46	16.47	40.00	23.53	100	43	Vertical	AV
2	77.9180	28.50	14.13	40.00	25.87	100	142	Vertical	AV
3	165.8000	27.54	18.17	43.50	25.33	100	142	Vertical	AV
4	307.0320	28.05	20.27	46.00	25.73	100	150	Vertical	AV
5	552.4420	28.72	26.15	46.00	19.85	100	138	Vertical	AV
6	782.9140	28.21	29.60	46.00	16.40	100	90	Vertical	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Radiated Emission Range 1GHz~10th Harmonic
GFSK

Channel		TX Channel 0		Detector Function		Peak (PK)			
Frequency Range		1GHz ~ 25GHz				Average (AV)			
Spurious Emission Level									
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	4804.6000	50.35	74.00	23.65	-13.25	H	PK		
2	4804.6000	49.67	54.00	4.33	-13.25	H	AV		
3	4804.6000	47.96	74.00	26.04	-13.25	V	PK		
4	4804.7000	46.06	54.00	7.94	-13.25	V	AV		

Channel		TX Channel 39		Detector Function		Peak (PK)			
Frequency Range		1GHz ~ 25GHz				Average (AV)			
Spurious Emission Level									
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	9763.5000	48.90	74.00	25.10	-4.2	H	PK		
2	9763.5000	45.76	54.00	8.24	-4.2	H	AV		
3	9763.5000	49.60	74.00	24.40	-4.2	V	PK		
4	9763.5000	45.34	54.00	8.66	-4.2	V	AV		

Channel		TX Channel 78		Detector Function		Peak (PK)			
Frequency Range		1GHz ~ 25GHz				Average (AV)			
Spurious Emission Level									
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	9919.9000	48.35	74.00	25.65	-4.21	H	PK		
2	9919.9000	44.82	54.00	9.18	-4.21	H	AV		
3	9919.9000	49.86	74.00	24.14	-4.21	V	PK		
4	9919.9000	42.89	54.00	11.11	-4.21	V	AV		

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

π/4-DQPSK

Channel		TX Channel 0		Detector Function		Peak (PK)	
Frequency Range		1GHz ~ 25GHz				Average (AV)	

Spurious Emission Level

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	9607.1000	48.22	74.00	25.78	-4.76	H	PK
2	9607.1000	45.26	54.00	8.74	-4.76	H	AV
3	9608.8000	49.09	74.00	24.91	-4.75	V	PK
4	9608.8000	44.89	54.00	9.11	-4.75	V	AV

Channel		TX Channel 39		Detector Function		Peak (PK)	
Frequency Range		1GHz ~ 25GHz				Average (AV)	

Spurious Emission Level

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	9763.5000	47.81	74.00	26.19	-4.2	H	PK
2	9763.5000	45.22	54.00	8.78	-4.2	H	AV
3	9763.5000	48.67	74.00	25.33	-4.2	V	PK
4	9763.5000	45.12	54.00	8.88	-4.2	V	AV

Channel		TX Channel 78		Detector Function		Peak (PK)	
Frequency Range		1GHz ~ 25GHz				Average (AV)	

Spurious Emission Level

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	9919.9000	47.46	74.00	26.54	-4.21	H	PK
2	9919.9000	44.89	54.00	11.70	-4.21	H	AV
3	9919.9000	49.40	74.00	24.60	-4.21	V	PK
4	9919.9000	45.62	54.00	17.38	-4.21	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

8DPSK

Channel		TX Channel 0		Detector Function		Peak (PK)			
Frequency Range		1GHz ~ 25GHz				Average (AV)			
Spurious Emission Level									
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	4804.6000	50.35	74.00	23.65	-13.25	H	PK		
2	4804.6000	48.26	54.00	5.74	-13.25	H	AV		
3	9608.8000	51.27	74.00	22.73	-4.75	V	PK		
4	9608.8000	48.31	54.00	9.69	-4.75	V	AV		

Channel		TX Channel 39		Detector Function		Peak (PK)			
Frequency Range		1GHz ~ 25GHz				Average (AV)			
Spurious Emission Level									
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	9763.5000	47.81	74.00	26.19	-4.2	H	PK		
2	9763.5000	44.82	54.00	9.18	-4.2	H	AV		
3	9763.5000	48.67	74.00	25.33	-4.2	V	PK		
4	9763.5000	43.29	54.00	10.71	-4.2	V	AV		

Channel		TX Channel 78		Detector Function		Peak (PK)			
Frequency Range		1GHz ~ 25GHz				Average (AV)			
Spurious Emission Level									
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	9919.9000	48.35	74.00	25.65	-4.21	H	PK		
2	9919.9000	44.92	54.00	9.08	-4.21	H	AV		
3	9919.9000	49.86	74.00	24.14	-4.21	V	PK		
4	9919.9000	45.77	54.00	8.30	-4.21	V	AV		

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

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