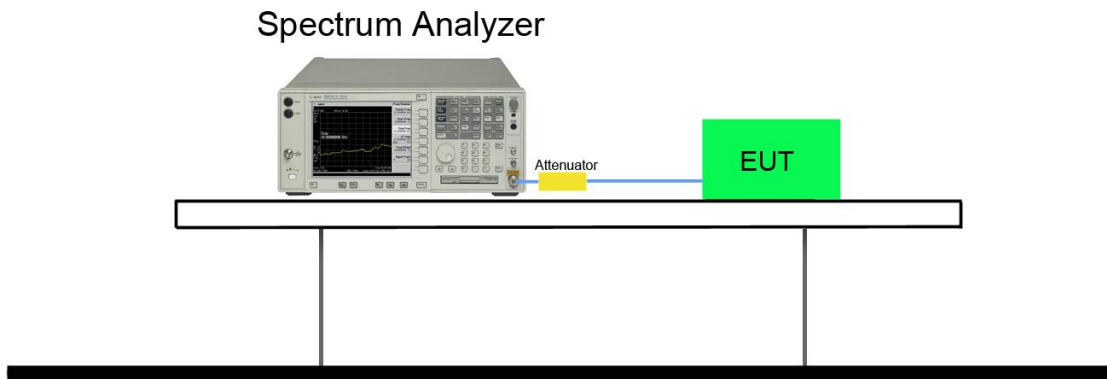


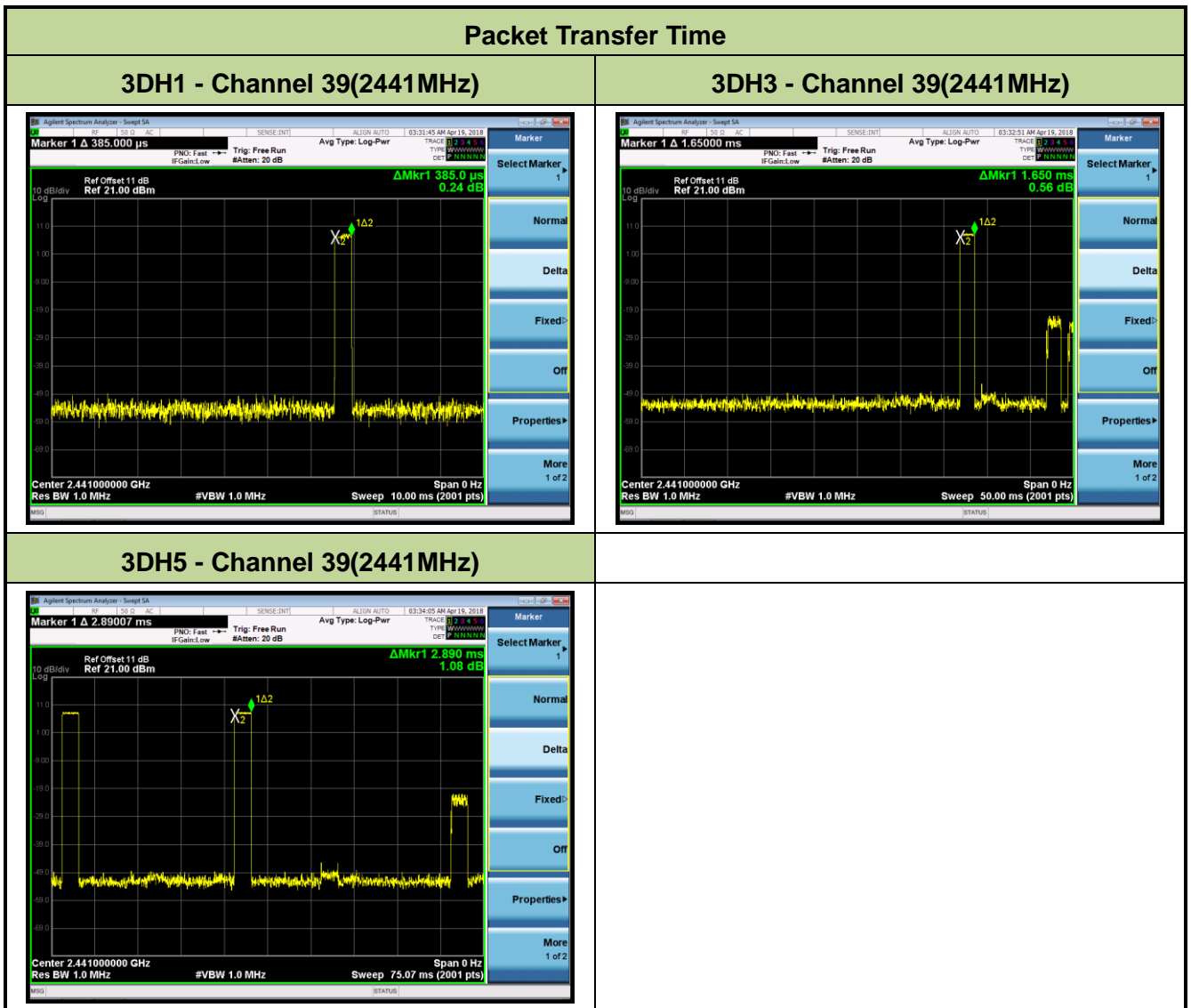
7.6.4. Test Setup



7.6.5. Test Result

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Cat Hu	Relative Humidity	50%
Test Site	TR3	Test Date	2018/04/19

Test Mode	Channel No.	Frequency (MHz)	Hops Over Occupancy Time(Hops)	Packet Transfer Time (ms)	Time of Occupancy (ms)	Limit (ms)	Result
3DH1	39	2441	320	0.39	124.80	≤ 400	Pass
3DH3	39	2441	160	1.65	264.00	≤ 400	Pass
3DH5	39	2441	107	2.89	309.23	≤ 400	Pass



Note 1: According the Bluetooth Standard Specification, the nominal hop rate is 1600 hops/s. All Bluetooth unit participating in the piconet are time and hop synchronized to the channel.

Hops Over Occupancy Time in 31.6s for 3DH1 = $1600 / 2 / 79 * 31.6 = 320$.

Hops Over Occupancy Time in 31.6s for 3DH3 = $1600 / 4 / 79 * 31.6 = 160$.

Hops Over Occupancy Time in 31.6s for 3DH5 = $1600 / 6 / 79 * 31.6 = 107$.

Note 2: Time of Occupancy = Packet Transfer Time * Hops Over Occupancy Time in 31.6s.

7.7. Band-edge Compliance Measurement

7.7.1. Test Limit

The maximum permissible emission level is 20dBc. Any emissions were lying outside of the emission bandwidth and in authorized band edges to a field strength limit specified in Section 15.209 of the Title 47 CFR.

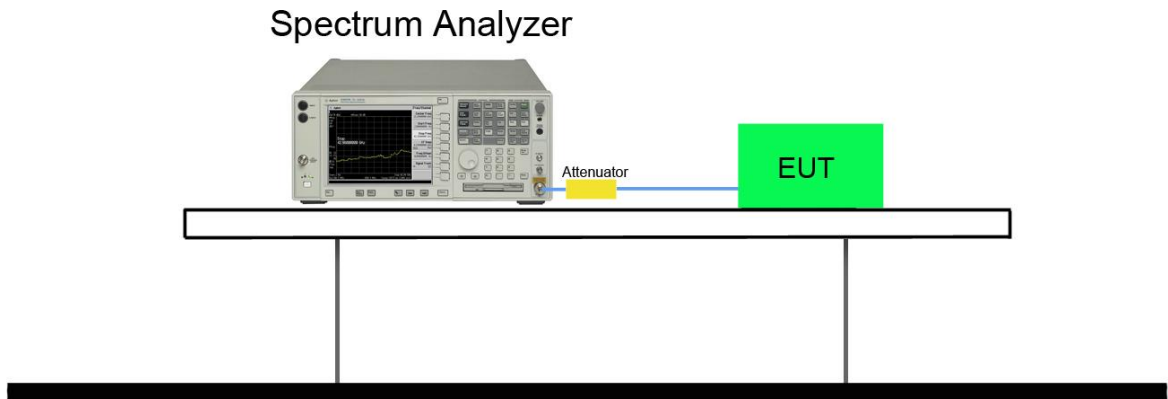
7.7.2. Test Procedure Used

ANSI C63.10-2013 - Section 6.10.4

7.7.3. Test Setting

1. Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation.
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize
8. Allow the trace to stabilize. Set the marker on the emission at the band edge, or on the highest modulation product outside of the band, if this level is greater than that at the band edge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission.

7.7.4. Test Setup



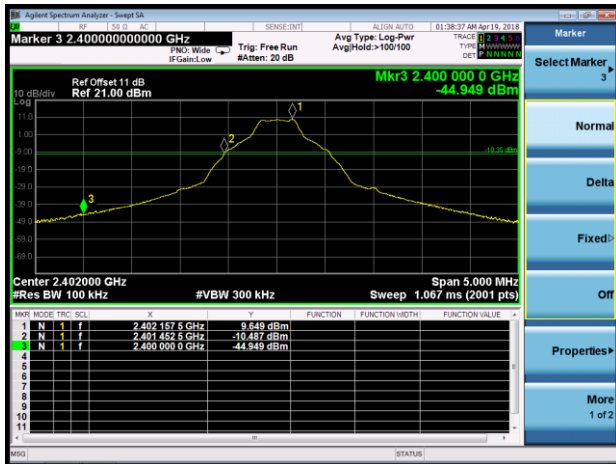
7.7.5. Test Result

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Cat Hu	Relative Humidity	50%
Test Site	TR3	Test Date	2018/04/19

Test Mode	Channel No.	Frequency (MHz)	Limit	Result
DH5	00	2402	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	78	2480	20dBc	Pass

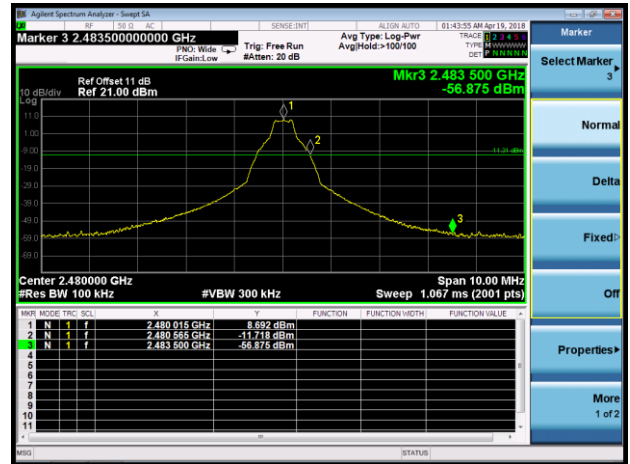
DH5 Band-edge Compliance

Channel 00 (2402MHz)



Note: The Value of the Display Line is -10.35dBm

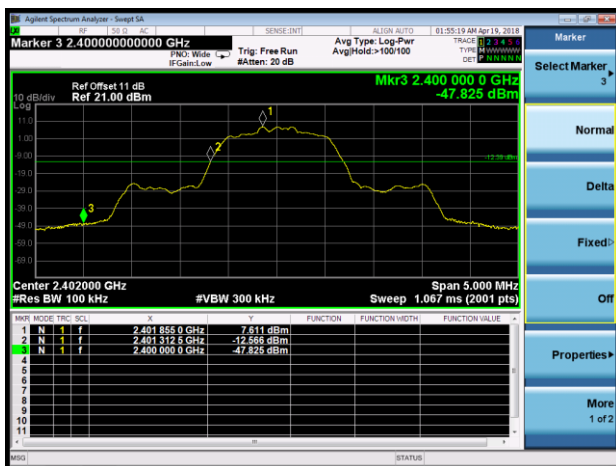
Channel 78 (2480MHz)



Note: The Value of the Display Line is -11.31dBm

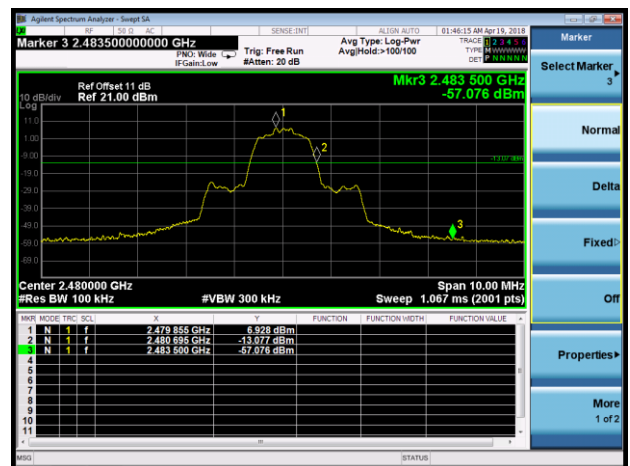
2DH5 Band-edge Compliance

Channel 00 (2402MHz)



Note: The Value of the Display Line is -12.39dBm

Channel 78 (2480MHz)

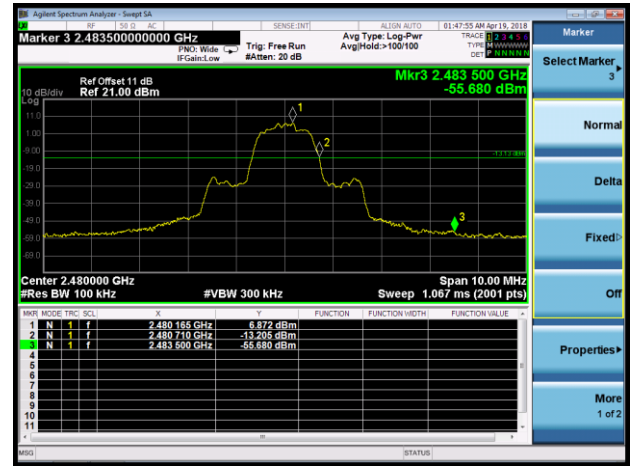


Note: The Value of the Display Line is -13.07dBm

3DH5 Band-edge Compliance

Channel 00 (2402MHz)

Channel 78 (2480MHz)

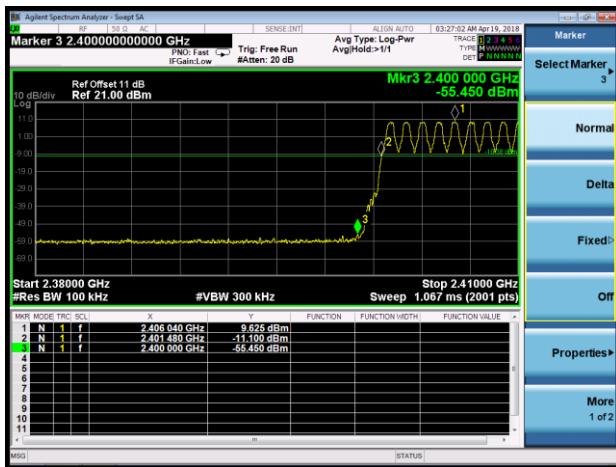


Note: The Value of the Display Line is -12.30dBm

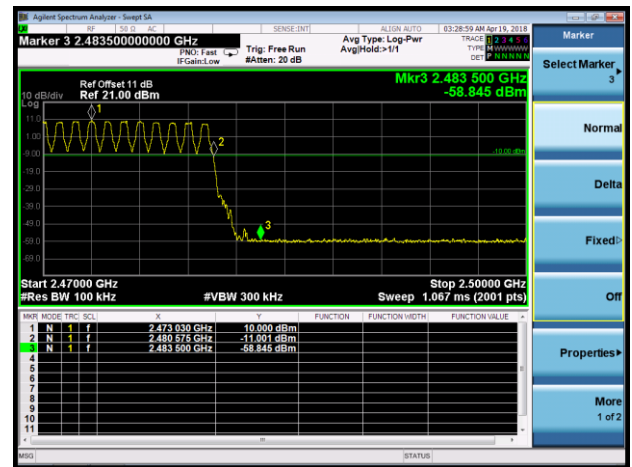
Note: The Value of the Display Line is -13.13dBm

DH5 Operation Frequency Range of 20dB Bandwidth within Hopping Mode

Channel 00 (2402MHz)



Channel 78 (2480MHz)

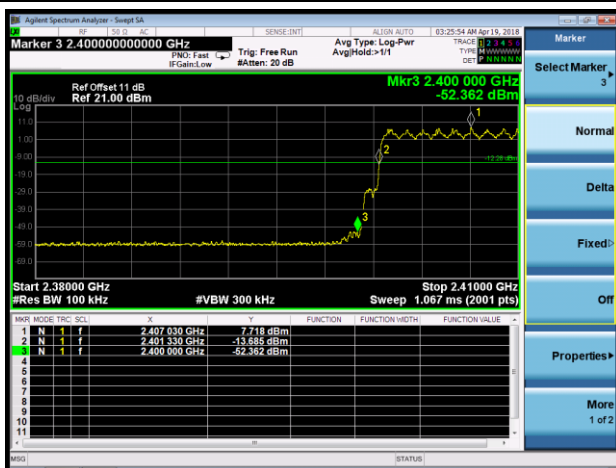


Note: The Value of the Display Line is -10.38dBm

Note: The Value of the Display Line is -10.00dBm

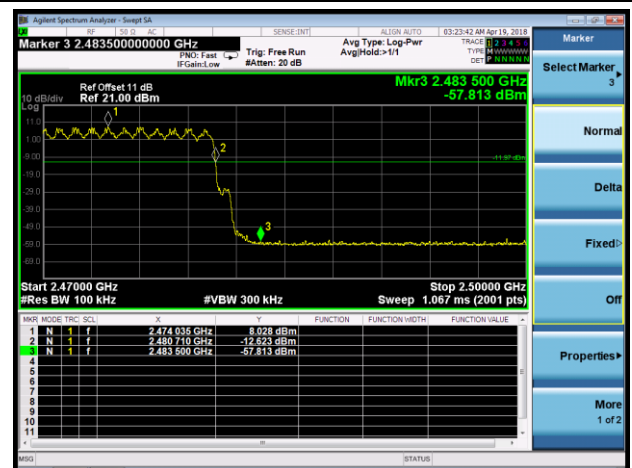
2DH5 Operation Frequency Range of 20dB Bandwidth within Hopping Mode

Channel 00 (2402MHz)



Note: The Value of the Display Line is -12.28dBm

Channel 78 (2480MHz)

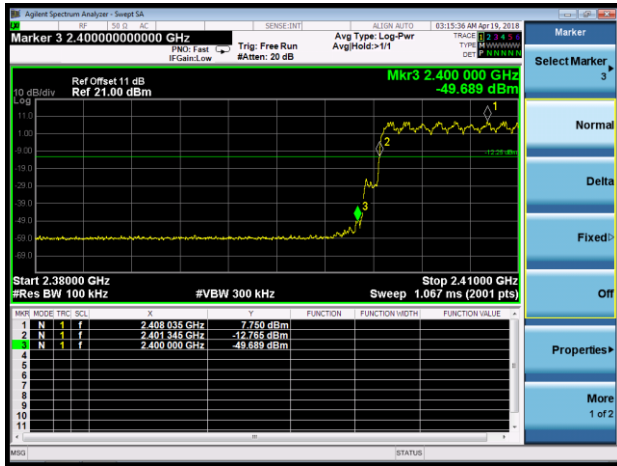


Note: The Value of the Display Line is -11.97dBm

3DH5 Operation Frequency Range of 20dB Bandwidth within Hopping Mode

Channel 00 (2402MHz)

Channel 78 (2480MHz)



Note: The Value of the Display Line is -12.25dBm

Note: The Value of the Display Line is -11.91dBm

7.8. Conducted Spurious Emissions Measurement

7.8.1. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

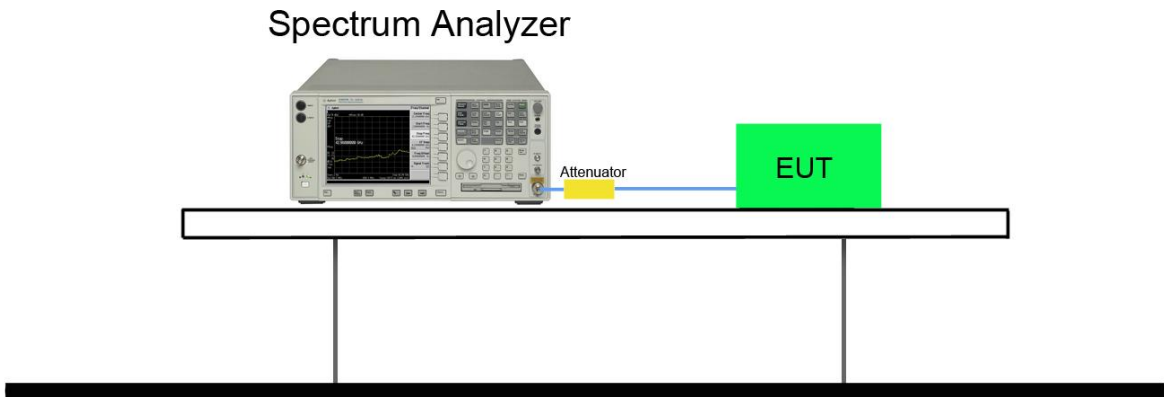
7.8.2. Test Procedure Used

ANSI C63.10-2013 - Section 7.8.8

7.8.3. Test Setting

1. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic.
Typically, several plots are required to cover this entire span.
2. RBW = 100 KHz
3. VBW \geq RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize
8. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this section.

7.8.4. Test Setup



7.8.5. Test Result

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Cat Hu	Relative Humidity	50%
Test Site	TR3	Test Date	2018/04/19

Test Mode	Channel No.	Frequency (MHz)	Limit (MHz)	Result
DH5	00	2402	20dBc	Pass
DH5	39	2441	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	39	2441	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	39	2441	20dBc	Pass
3DH5	78	2480	20dBc	Pass

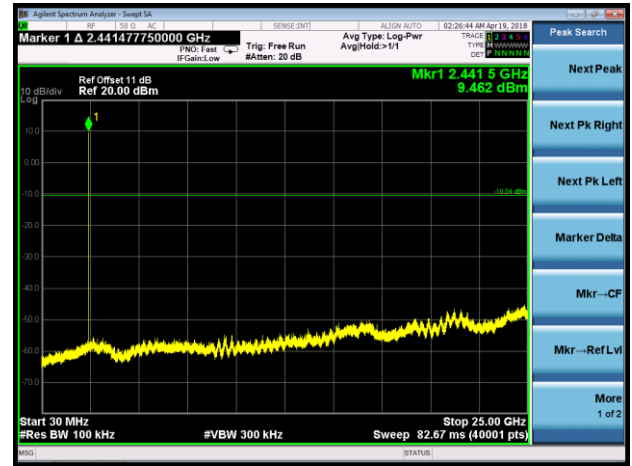
DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



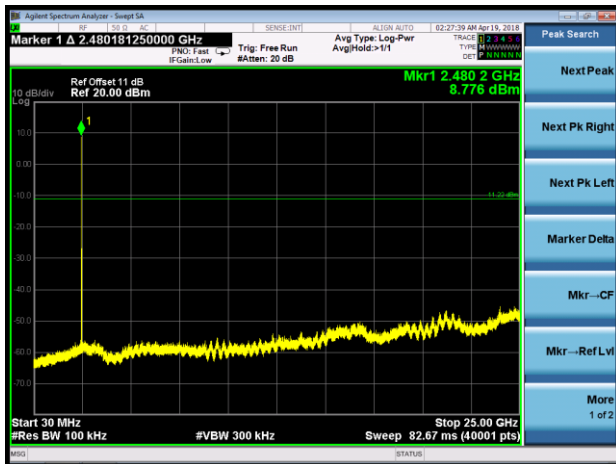
Note: The Value of the Display Line is -10.80dBm

Channel 39 (2441MHz)



Note: The Value of the Display Line is -10.54dBm

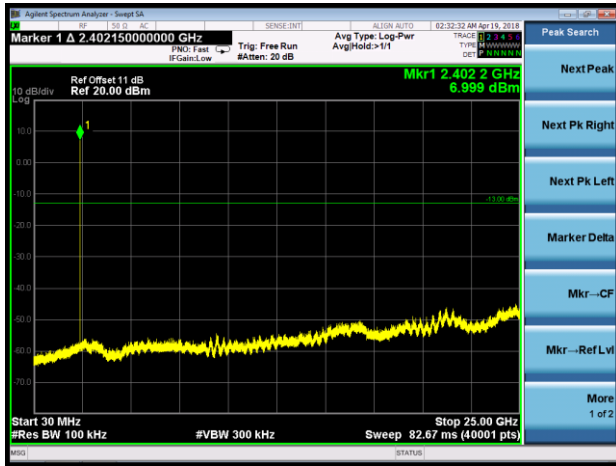
Channel 78 (2480MHz)



Note: The Value of the Display Line is -11.23dBm

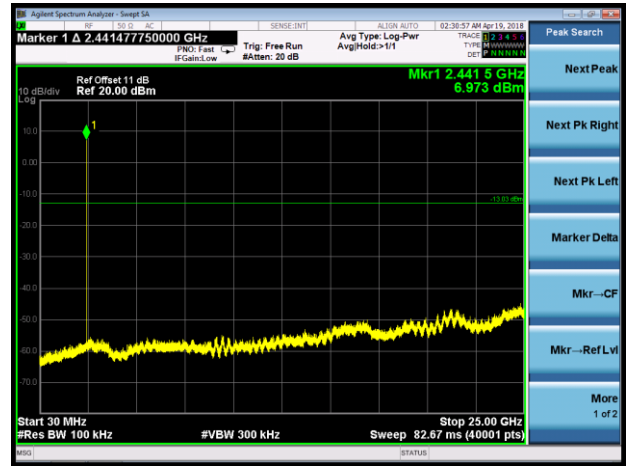
2DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



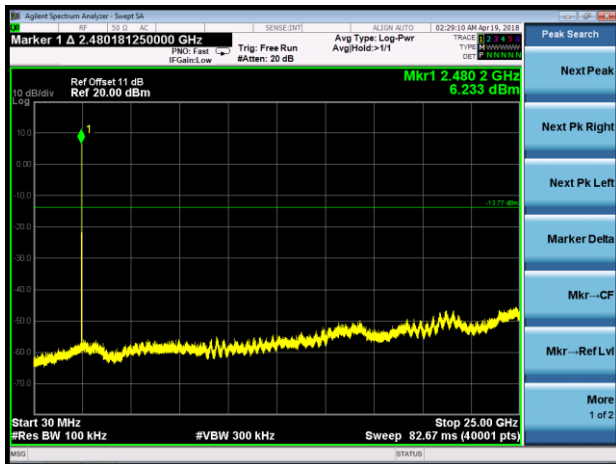
Note: The Value of the Display Line is -13.00dBm

Channel 39 (2441MHz)



Note: The Value of the Display Line is -13.03dBm

Channel 78 (2480MHz)



Note: The Value of the Display Line is -13.77dBm

3DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



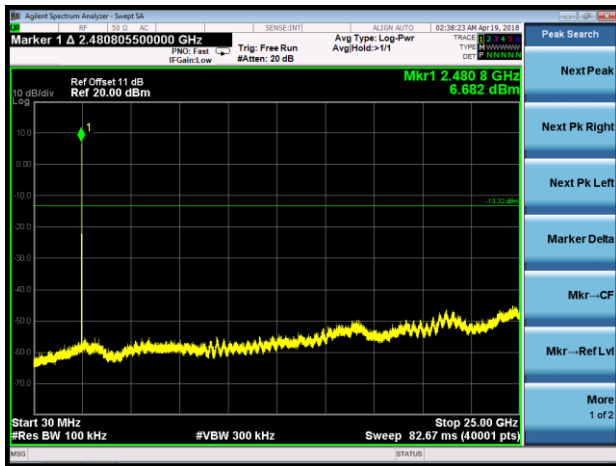
Note: The Value of the Display Line is -12.44dBm

Channel 39 (2441MHz)



Note: The Value of the Display Line is -12.95dBm

Channel 78 (2480MHz)



Note: The Value of the Display Line is -13.32dBm

7.9. Radiated Spurious Emission Measurement

7.9.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR 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

7.9.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

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

7.9.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

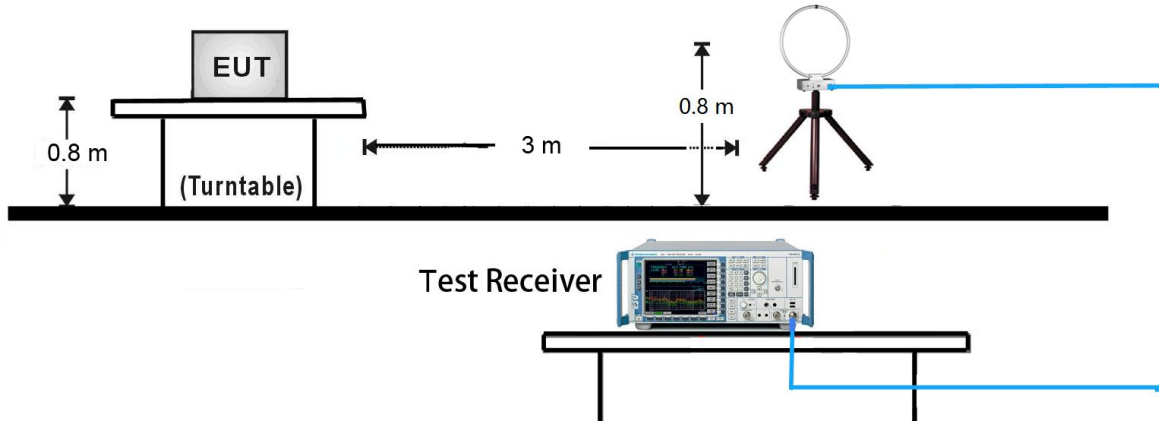
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

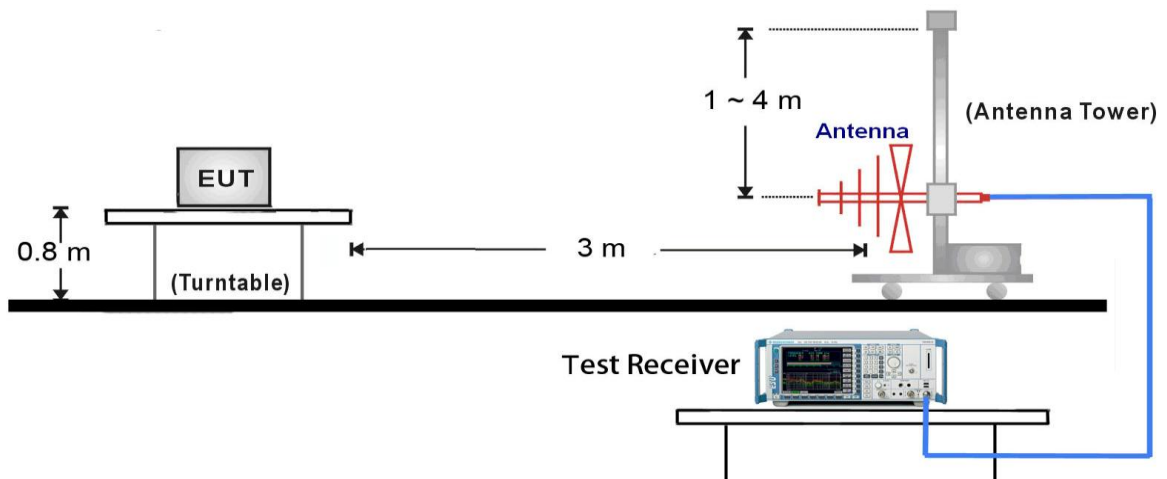
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

7.9.4. Test Setup

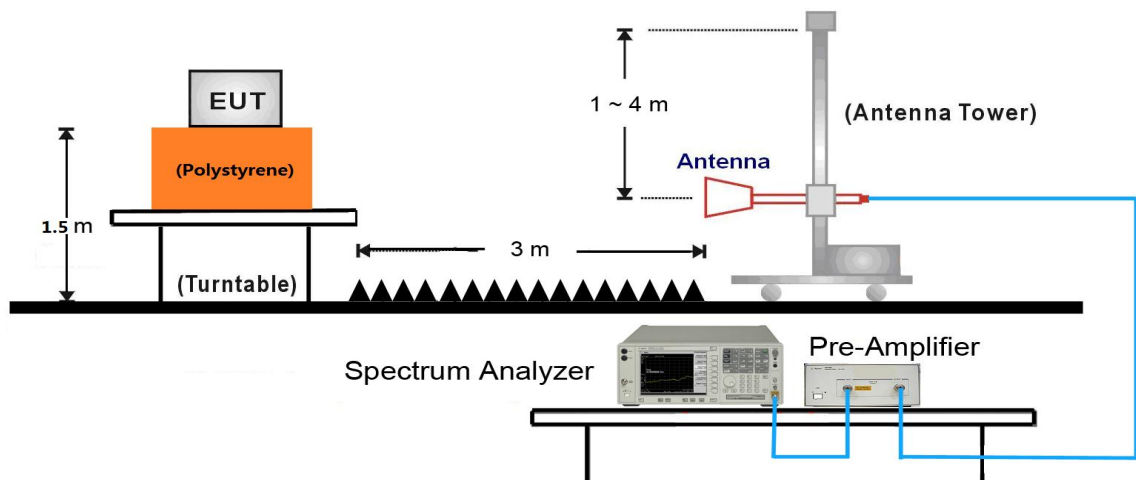
9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~ 25GHz Test Setup:



7.9.5. Test Result

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	DH5	Test Channel:	00
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3966.5	37.5	3.1	40.6	74.0	-33.4	Peak	Horizontal
	4804.0	41.9	5.9	47.8	74.0	-26.2	Peak	Horizontal
	4804.0	38.0	5.9	43.9	54.0	-10.1	Average	Horizontal
*	5828.0	35.8	7.7	43.5	83.7	-40.2	Peak	Horizontal
*	6593.0	35.3	10.2	45.5	83.7	-38.2	Peak	Horizontal
	3992.0	37.4	3.2	40.6	74.0	-33.4	Peak	Vertical
	4799.5	36.3	5.8	42.1	74.0	-31.9	Peak	Vertical
*	5947.0	35.5	7.8	43.3	83.7	-40.4	Peak	Vertical
*	6584.5	36.3	10.2	46.5	83.7	-37.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.7dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	DH5	Test Channel:	39
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3983.5	37.2	3.2	40.4	74.0	-33.6	Peak	Horizontal
	4884.5	41.7	6.0	47.7	74.0	-26.3	Peak	Horizontal
*	5947.0	35.3	7.8	43.1	82.6	-39.5	Peak	Horizontal
*	6559.0	35.2	10.2	45.4	82.6	-37.2	Peak	Horizontal
	4068.5	36.8	3.5	40.3	74.0	-33.7	Peak	Vertical
	4884.5	37.4	6.0	43.4	74.0	-30.6	Peak	Vertical
*	6295.5	36.2	8.7	44.9	82.6	-37.7	Peak	Vertical
*	7009.5	36.1	11.3	47.4	82.6	-35.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.6dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	DH5	Test Channel:	78
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3992.0	38.0	3.2	41.2	74.0	-32.8	Peak	Horizontal
	4961.0	43.8	6.1	49.9	74.0	-24.1	Peak	Horizontal
*	6040.5	36.1	7.9	44.0	80.9	-36.9	Peak	Horizontal
*	6865.0	35.2	10.6	45.8	80.9	-35.1	Peak	Horizontal
	3958.0	36.8	3.1	39.9	74.0	-34.1	Peak	Vertical
	4961.0	39.2	6.1	45.3	74.0	-28.7	Peak	Vertical
*	6117.0	35.7	8.2	43.9	80.9	-37.0	Peak	Vertical
*	7069.0	35.1	11.8	46.9	80.9	-34.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (100.9dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	2DH5	Test Channel:	00
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	37.4	3.5	40.9	74.0	-33.1	Peak	Horizontal
	4808.0	41.8	5.9	47.7	74.0	-26.3	Peak	Horizontal
*	5785.5	35.8	7.5	43.3	83.1	-39.8	Peak	Horizontal
*	6559.0	35.4	10.2	45.6	83.1	-37.5	Peak	Horizontal
	4060.0	37.4	3.5	40.9	74.0	-33.1	Peak	Vertical
	4808.0	37.3	5.9	43.2	74.0	-30.8	Peak	Vertical
*	6023.5	35.7	7.9	43.6	83.1	-39.5	Peak	Vertical
*	6542.0	35.6	10.1	45.7	83.1	-37.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.1dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	2DH5	Test Channel:	39
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	37.3	3.5	40.8	74.0	-33.2	Peak	Horizontal
	4884.5	40.9	6.0	46.9	74.0	-27.1	Peak	Horizontal
*	5955.5	35.2	7.9	43.1	81.7	-38.6	Peak	Horizontal
*	6516.5	35.6	9.9	45.5	81.7	-36.2	Peak	Horizontal
	4009.0	37.7	3.4	41.1	74.0	-32.9	Peak	Vertical
	4884.5	38.3	6.0	44.3	74.0	-29.7	Peak	Vertical
*	6006.5	35.6	7.9	43.5	81.7	-38.2	Peak	Vertical
*	6584.5	35.4	10.2	45.6	81.7	-36.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.7dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	2DH5	Test Channel:	78
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4000.5	36.8	3.3	40.1	74.0	-33.9	Peak	Horizontal
	4961.0	42.3	6.1	48.4	74.0	-25.6	Peak	Horizontal
*	5743.0	36.5	7.4	43.9	80.3	-36.4	Peak	Horizontal
*	6474.0	35.3	9.9	45.2	80.3	-35.1	Peak	Horizontal
	4034.5	37.1	3.4	40.5	74.0	-33.5	Peak	Vertical
	4961.0	37.8	6.1	43.9	74.0	-30.1	Peak	Vertical
*	6389.0	36.2	9.2	45.4	80.3	-34.9	Peak	Vertical
*	7128.5	36.4	12.3	48.7	80.3	-31.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (100.3dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	3DH5	Test Channel:	00
Remark:	<ol style="list-style-type: none"> 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	37.0	3.5	40.5	74.0	-33.5	Peak	Horizontal
	4808.0	41.5	5.9	47.4	74.0	-26.6	Peak	Horizontal
*	5913.0	35.9	7.8	43.7	83.4	-39.7	Peak	Horizontal
*	7154.0	35.6	12.4	48.0	83.4	-35.4	Peak	Horizontal
	4017.5	37.4	3.4	40.8	74.0	-33.2	Peak	Vertical
	4859.0	36.8	5.9	42.7	74.0	-31.3	Peak	Vertical
*	5819.5	35.4	7.6	43.0	83.4	-40.4	Peak	Vertical
*	6559.0	36.1	10.2	46.3	83.4	-37.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.4dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	3DH5	Test Channel:	39
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	37.4	3.5	40.9	74.0	-33.1	Peak	Horizontal
	4884.5	40.5	6.0	46.5	74.0	-27.5	Peak	Horizontal
*	5760.0	35.4	7.4	42.8	81.9	-39.1	Peak	Horizontal
*	6482.5	35.0	9.9	44.9	81.9	-37.0	Peak	Horizontal
	3966.5	36.9	3.1	40.0	74.0	-34.0	Peak	Vertical
	4884.5	36.5	6.0	42.5	74.0	-31.5	Peak	Vertical
*	5913.0	35.6	7.8	43.4	81.9	-38.5	Peak	Vertical
*	6856.5	35.5	10.6	46.1	81.9	-35.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.9dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	DOLPHINE CT40	Temperature	25°C
Test Engineer	Bacon Dong	Relative Humidity	58%
Test Site	AC1	Test Date	2018/06/08
Test Mode:	3DH5	Test Channel:	78
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3754.0	39.0	2.4	41.4	74.0	-32.6	Peak	Horizontal
	4961.0	41.0	6.1	47.1	74.0	-26.9	Peak	Horizontal
*	5938.5	36.0	7.8	43.8	80.5	-36.7	Peak	Horizontal
*	7052.0	35.8	11.8	47.6	80.5	-32.9	Peak	Horizontal
	4043.0	36.6	3.5	40.1	74.0	-33.9	Peak	Vertical
	4961.0	37.6	6.1	43.7	74.0	-30.3	Peak	Vertical
*	5760.0	35.9	7.4	43.3	80.5	-37.2	Peak	Vertical
*	6482.5	35.5	9.9	45.4	80.5	-35.1	Peak	Vertical

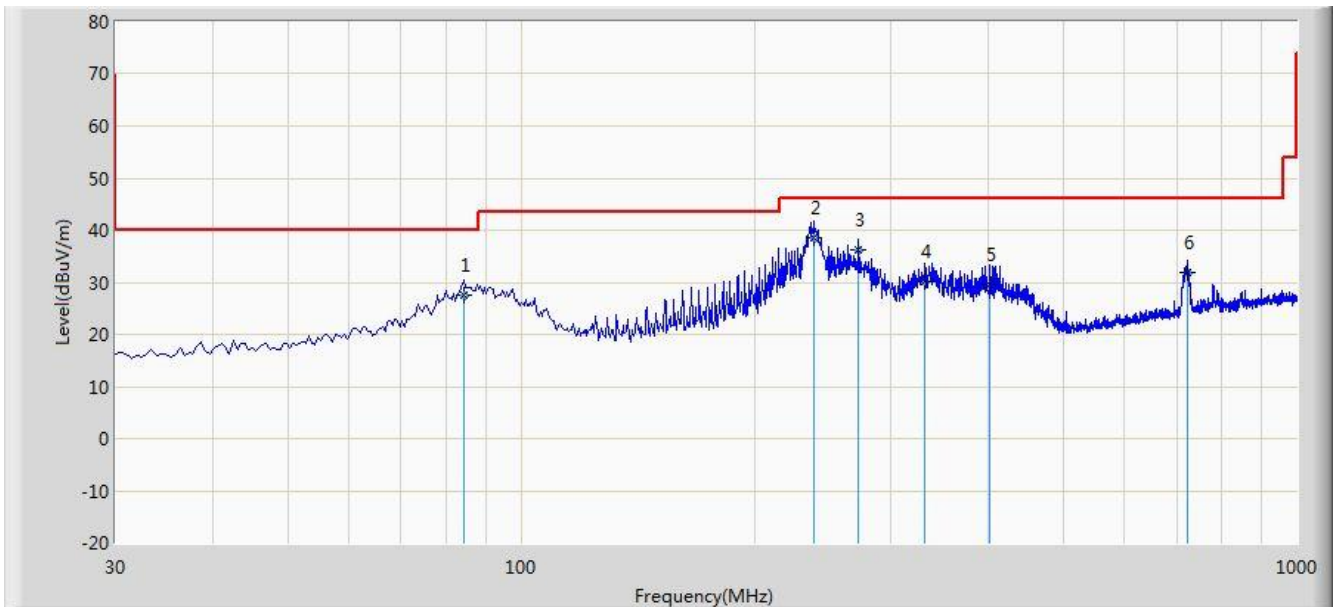
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (100.5dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/04/28 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Worst Case Mode: Transmit by DH5 at Channel 2480MHz	



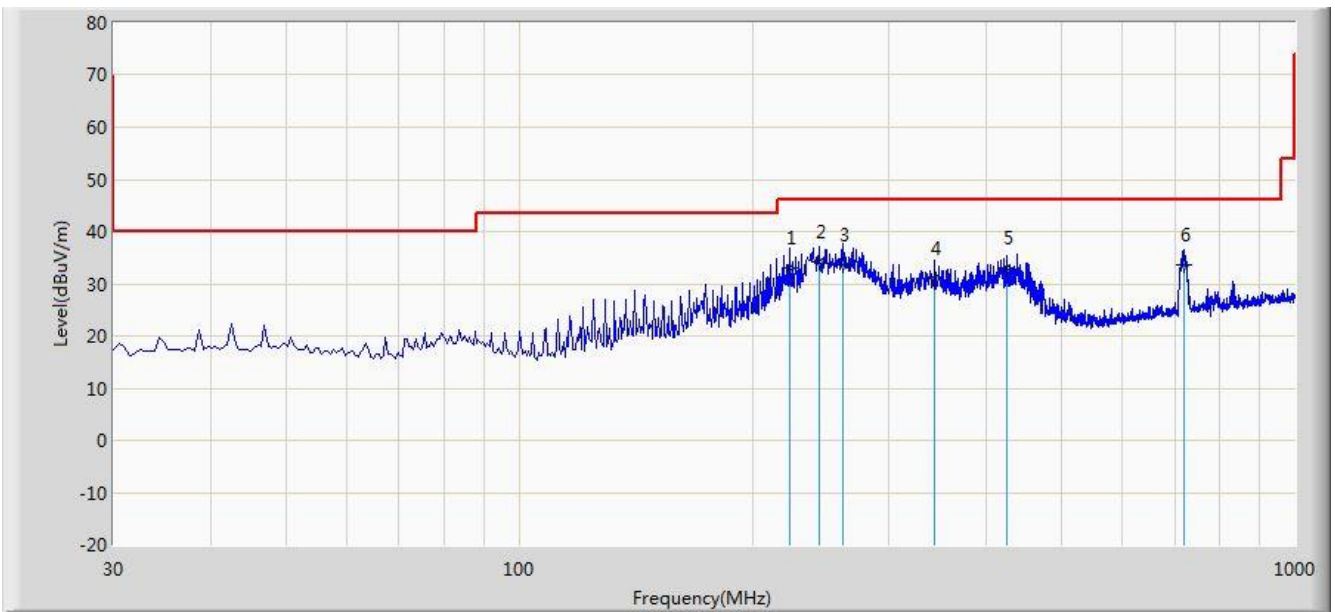
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			84.320	27.502	17.300	-12.498	40.000	10.203	QP
2		*	238.560	38.681	25.850	-7.319	46.000	12.831	QP
3			272.500	36.242	22.570	-9.758	46.000	13.672	QP
4			331.800	30.275	15.060	-15.725	46.000	15.215	QP
5			401.500	29.675	13.050	-16.325	46.000	16.625	QP
6			721.600	31.949	9.540	-14.051	46.000	22.409	QP

Note 1: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/04/20 - 14:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Worst Case Mode: Transmit by DH5 at Channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			223.040	33.134	20.950	-12.866	46.000	12.184	QP
2		*	243.370	34.320	21.400	-11.680	46.000	12.921	QP
3			261.840	33.735	20.420	-12.265	46.000	13.315	QP
4			343.760	30.932	15.490	-15.068	46.000	15.442	QP
5			424.820	33.113	15.840	-12.887	46.000	17.272	QP
6			720.200	33.749	11.360	-12.251	46.000	22.389	QP

Note 1: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.10. Radiated Restricted Band Edge Measurement

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, 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 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	8.25 - 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

For RSS-Gen Section 8.10 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.009 - 0.110	240 - 285	9.0 - 9.2
2.1735 - 2.1905	322 - 335.4	9.3 - 9.5
3.020 - 3.026	399.9 - 410	10.6 - 12.7
4.125 - 4.128	608 - 614	13.25 - 13.4
4.17725 - 4.17775	960 - 1427	14.47 - 14.5
4.20725 - 4.20775	1435 - 1626.5	15.35 - 16.2
5.677 - 5.683	1645.5 - 1646.5	17.7 - 21.4
6.215 - 6.218	1660 - 1710	22.01 - 23.12
6.26775 - 6.26825	1718.8 - 1722.2	23.6 - 24.0
6.31175 - 6.31225	2200 - 2300	31.2 - 31.8
8.291 - 8.294	2310 - 2390	36.43 - 36.5
8.362 - 8.366	2655 - 2900	Above 38.6
8.37625 - 8.38675	3260 - 3267	--
8.41425 - 8.41475	3332 - 3339	
12.29 - 12.293	334.5 - 3358	
12.51975 - 12.52025	3500 - 4400	
12.57675 - 12.57725	4500 - 5150	
13.36 - 13.41	5350 - 5460	
16.42 - 16.423	7250 - 7750	
16.69475 - 16.69525	8025 - 8500	
16.80425 - 16.80475	--	
25.5 - 25.67		
37.5 - 38.25		
73 - 74.6		
74.8 - 75.2		
108 - 138		
156.52475 - 156.525225		
156.7 - 156.9		

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9		
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

7.10.1. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.10.2. Test Setting

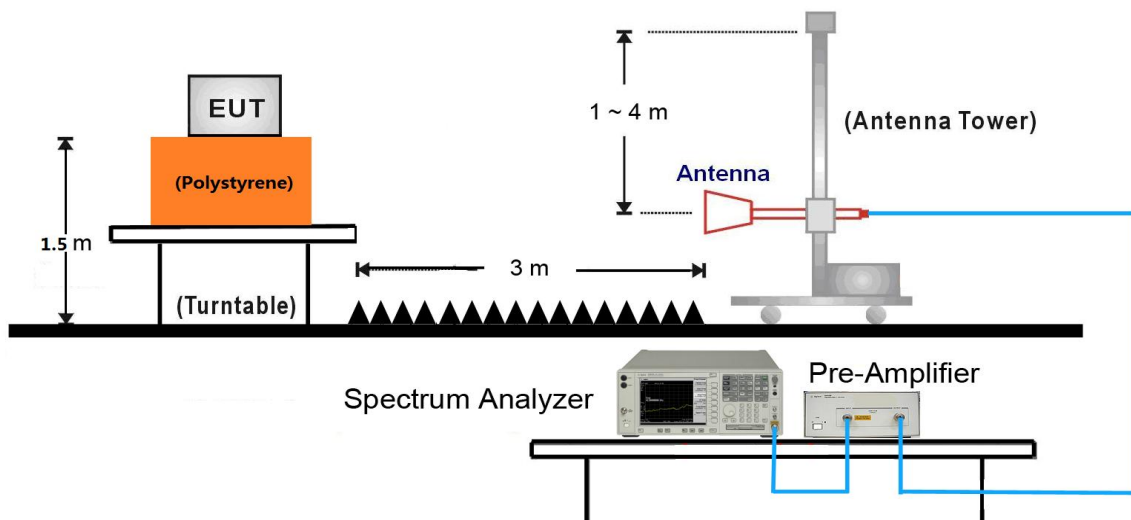
Peak Field Strength Measurements

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 = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

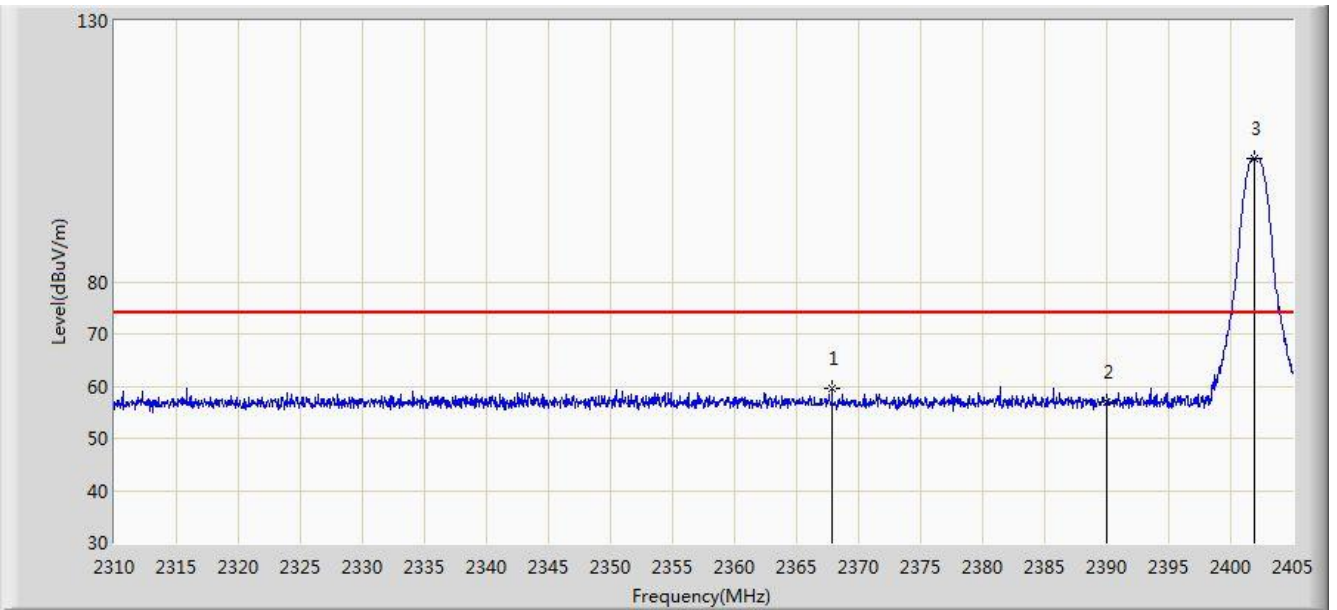
7.10.3. Test Setup



Note: This item was performed with the WIFI antenna connected.

7.10.4. Test Result

Site: AC1	Time: 2018/06/08 - 05:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2402MHz	

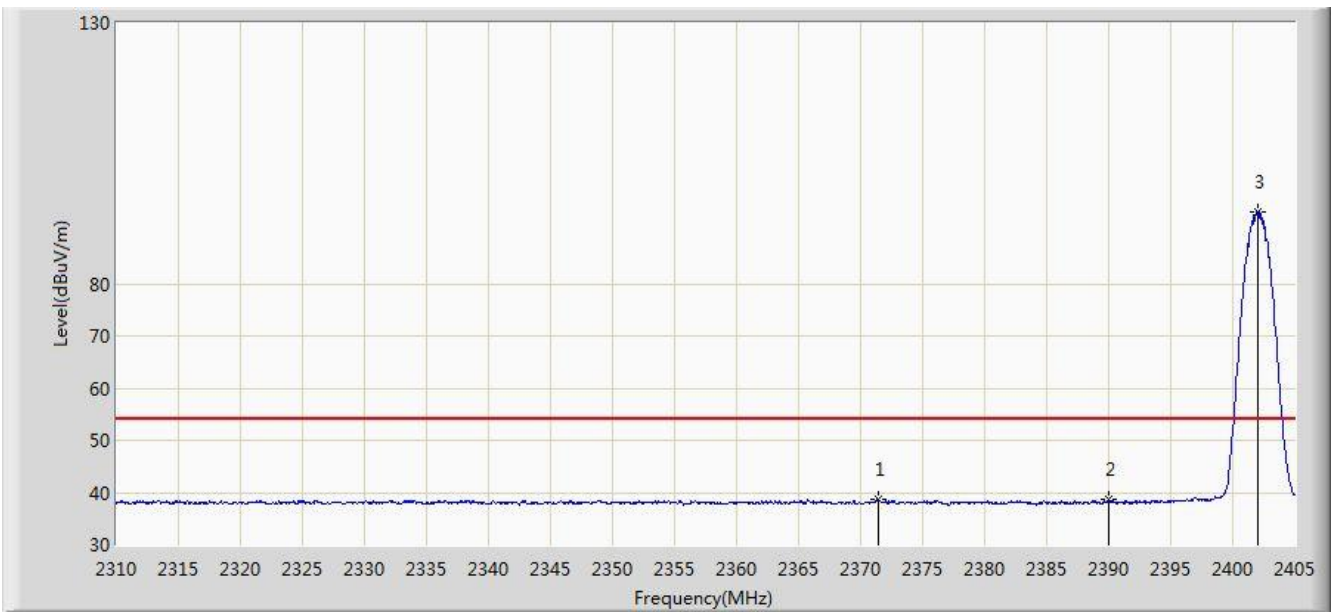


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2367.855	59.516	27.154	-14.484	74.000	32.362	PK
2			2390.000	56.844	24.517	-17.156	74.000	32.327	PK
3			2401.865	103.673	71.368	N/A	N/A	32.305	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 05:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2402MHz	

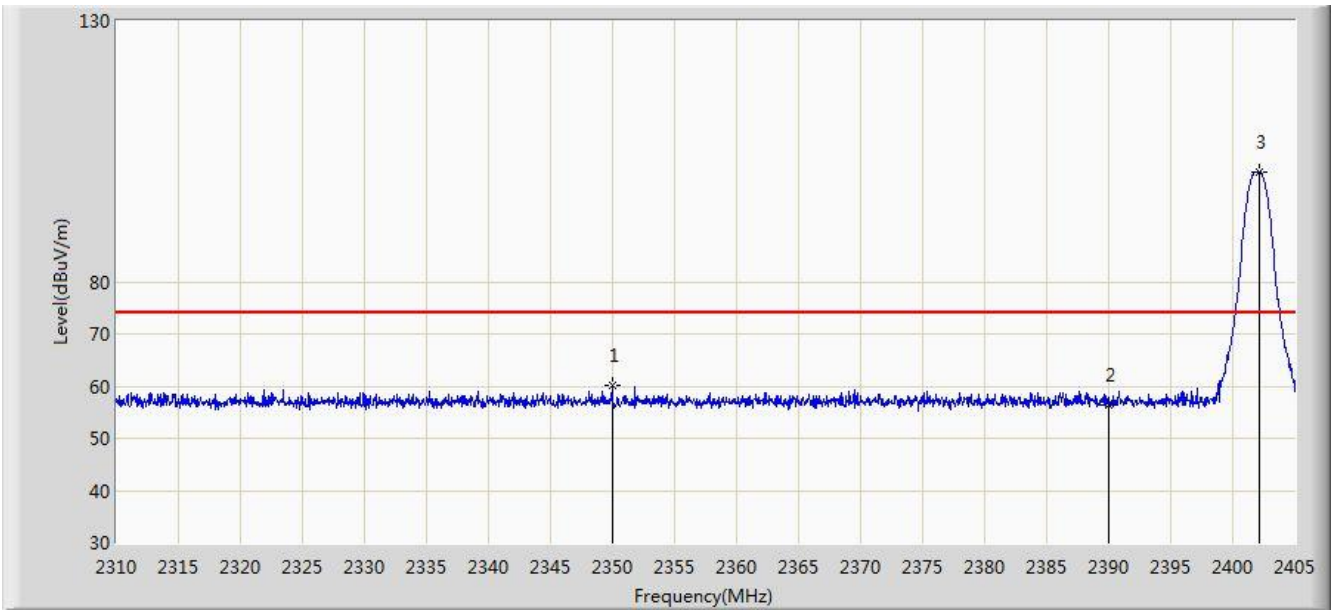


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2371.370	38.825	6.470	-15.175	54.000	32.355	AV
2			2390.000	38.620	6.293	-15.380	54.000	32.327	AV
3			2402.055	93.912	61.608	N/A	N/A	32.304	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 05:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2402MHz	

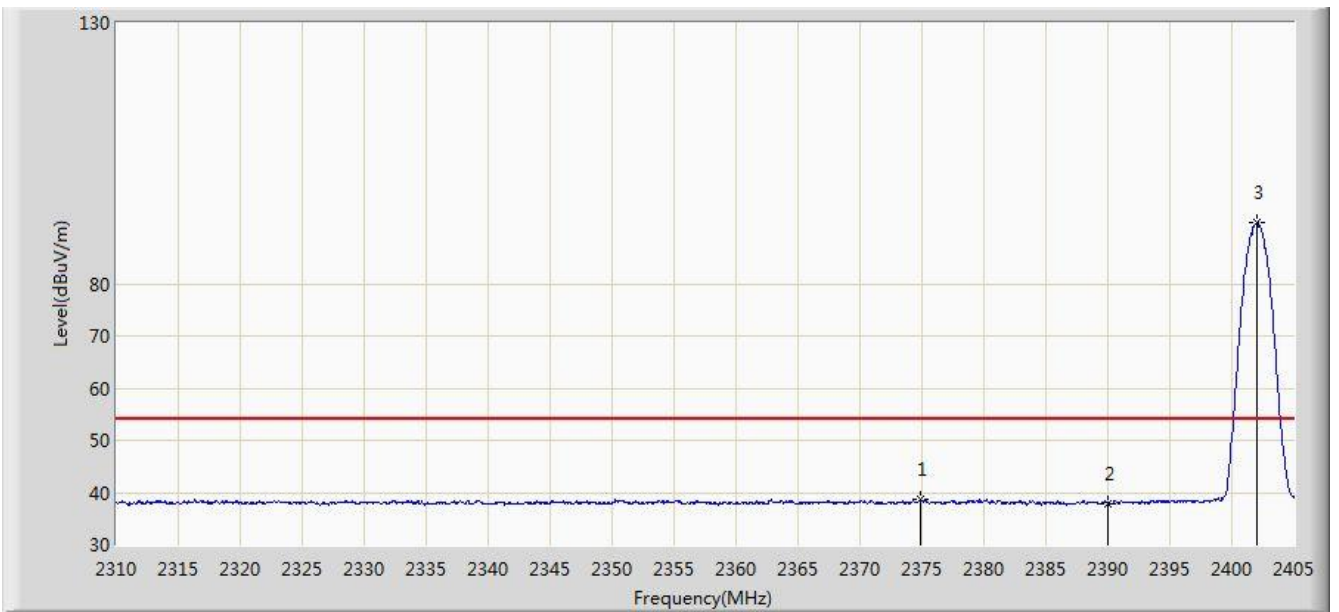


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2349.948	60.265	27.864	-13.735	74.000	32.400	PK
2			2390.000	56.236	23.909	-17.764	74.000	32.327	PK
3			2402.150	101.032	68.728	N/A	N/A	32.304	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2402MHz	

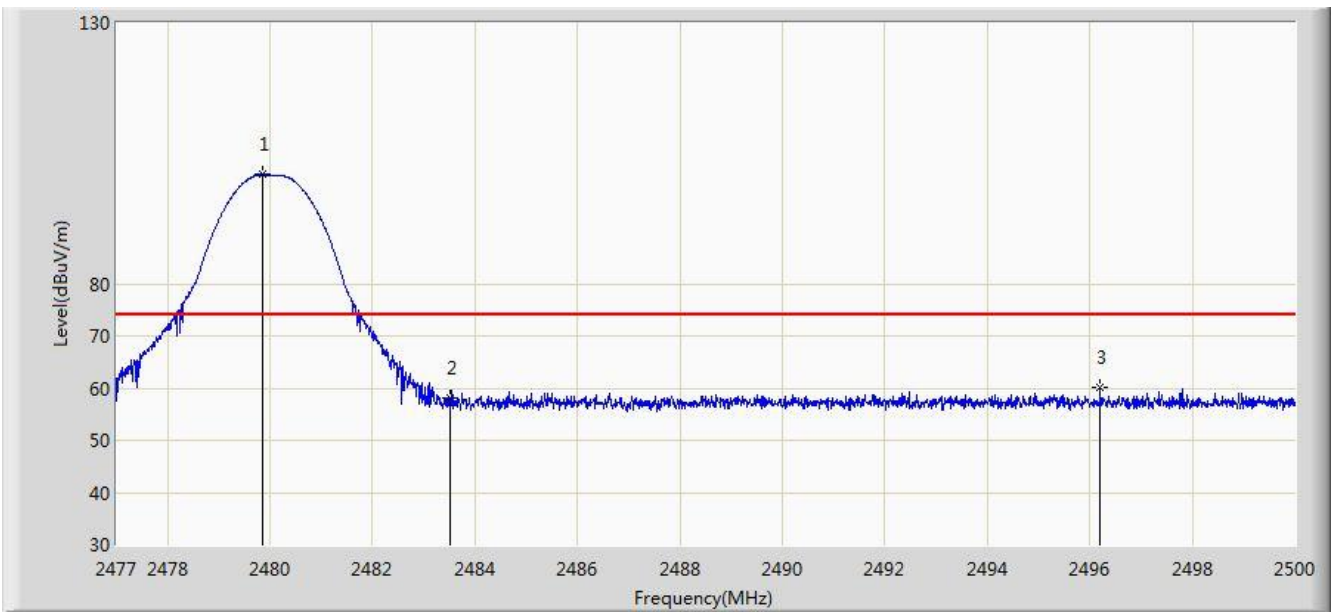


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2374.885	38.607	6.258	-15.393	54.000	32.349	AV
2			2390.000	37.859	5.532	-16.141	54.000	32.327	AV
3			2402.008	91.646	59.342	N/A	N/A	32.305	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2480MHz	

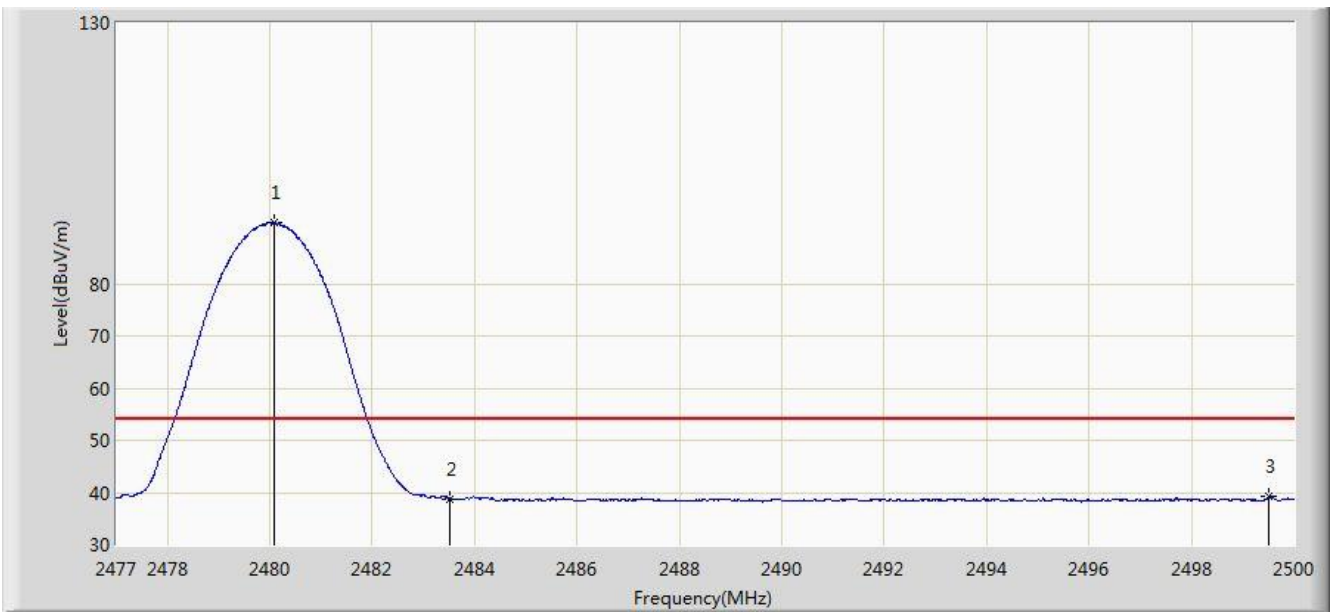


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2479.864	100.891	68.566	N/A	N/A	32.325	PK
2			2483.500	58.052	25.713	-15.948	74.000	32.340	PK
3			2496.205	60.099	27.710	-13.901	74.000	32.389	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2480MHz	

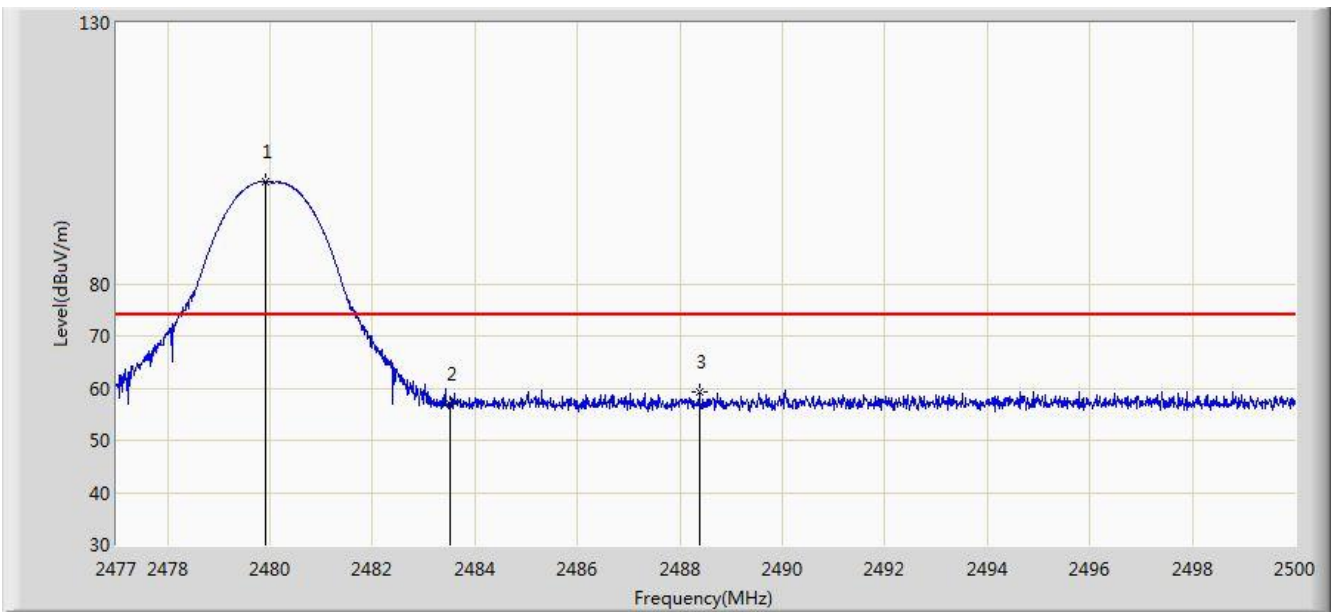


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.071	91.671	59.345	N/A	N/A	32.325	AV
2			2483.500	38.831	6.492	-15.169	54.000	32.340	AV
3			2499.517	39.167	6.773	-14.833	54.000	32.393	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2480MHz	

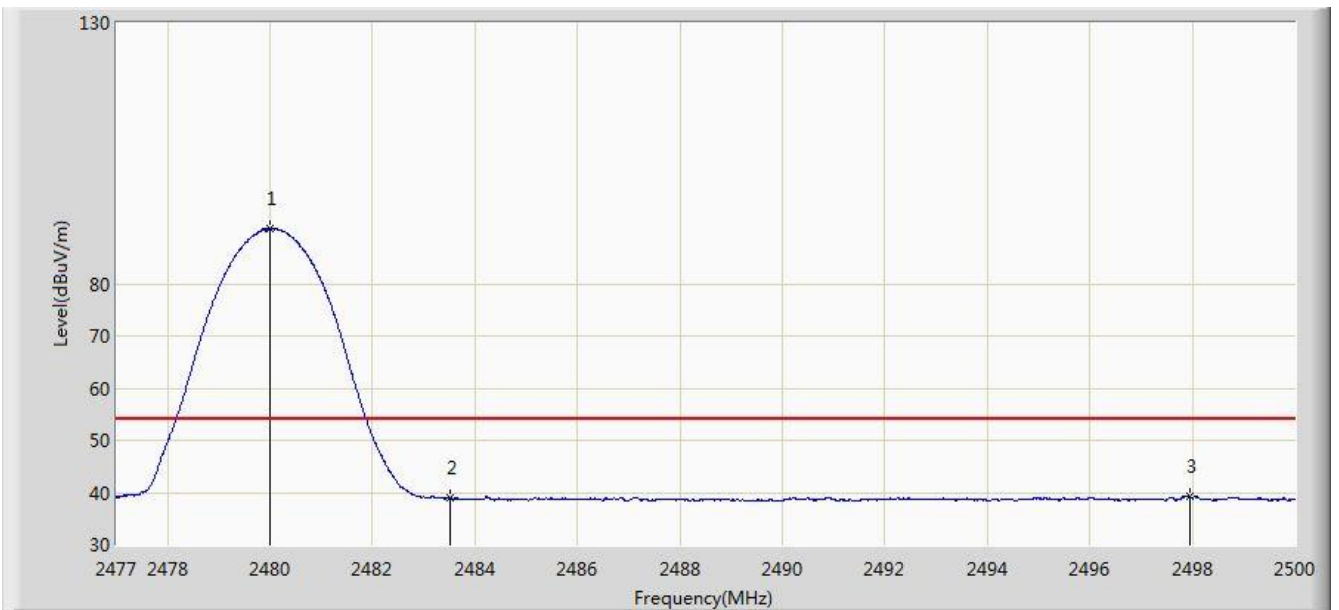


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2479.898	99.509	67.184	N/A	N/A	32.325	PK
2			2483.500	56.868	24.529	-17.132	74.000	32.340	PK
3			2488.374	59.367	27.009	-14.633	74.000	32.358	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by DH5 at Channel 2480MHz	

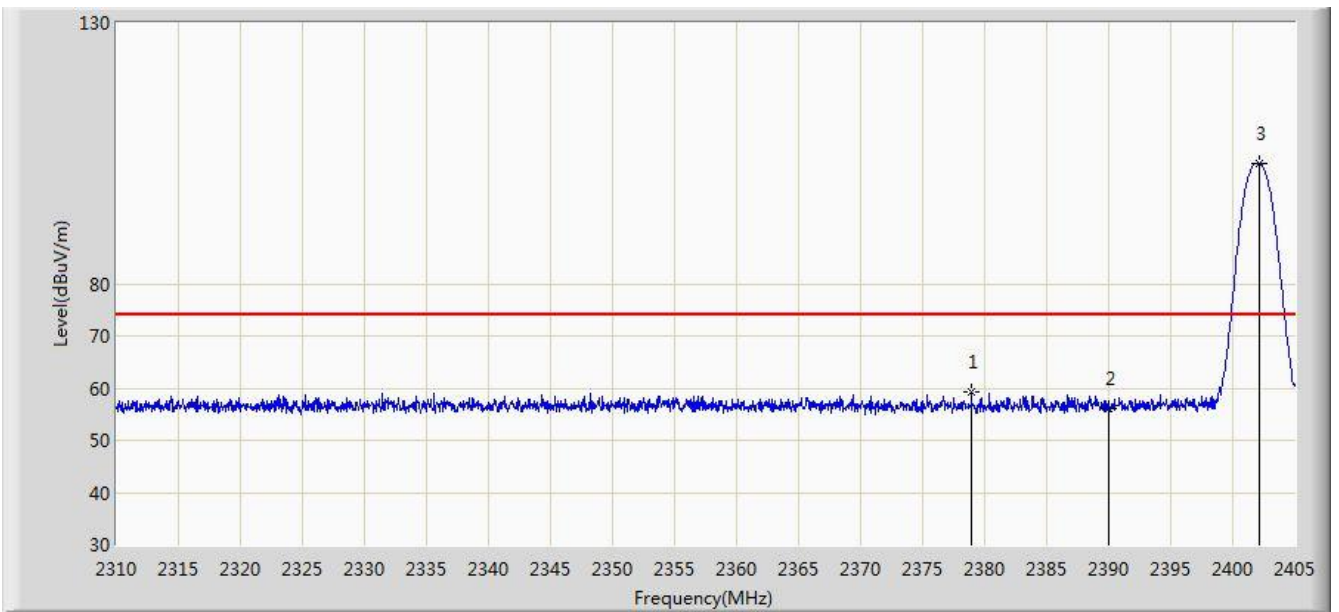


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.001	90.544	58.219	N/A	N/A	32.325	AV
2			2483.500	38.855	6.516	-15.145	54.000	32.340	AV
3			2497.941	39.303	6.912	-14.697	54.000	32.392	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

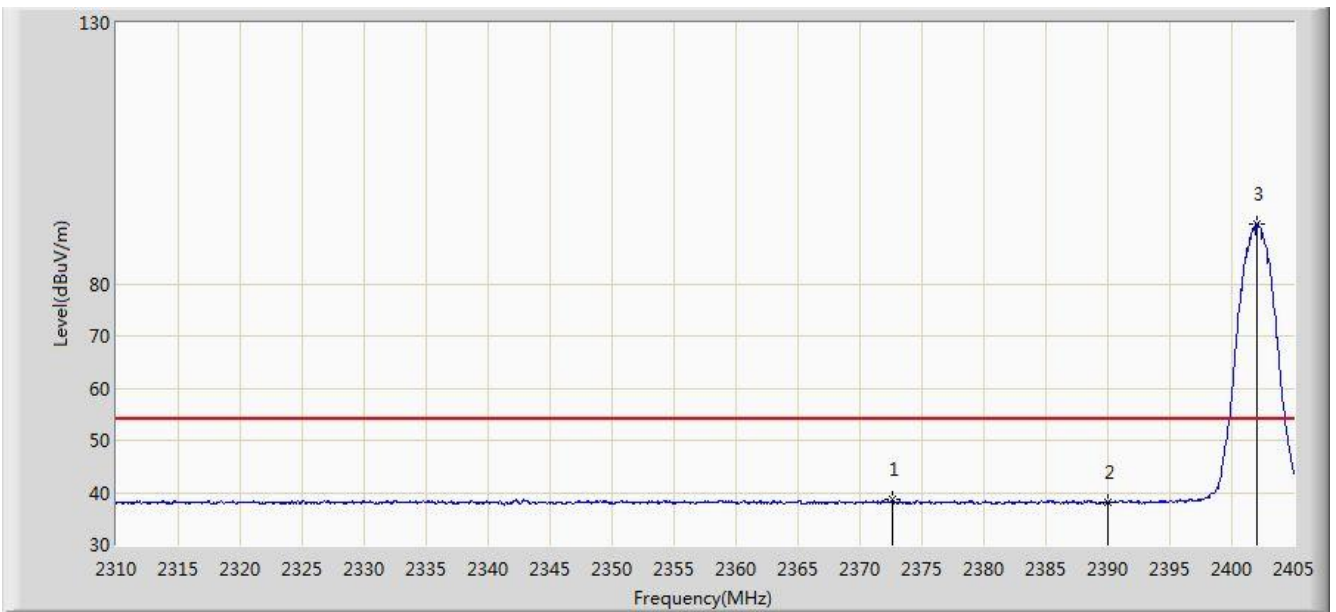


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2378.923	59.150	26.808	-14.850	74.000	32.342	PK
2			2390.000	56.195	23.868	-17.805	74.000	32.327	PK
3			2402.150	103.146	70.842	N/A	N/A	32.304	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

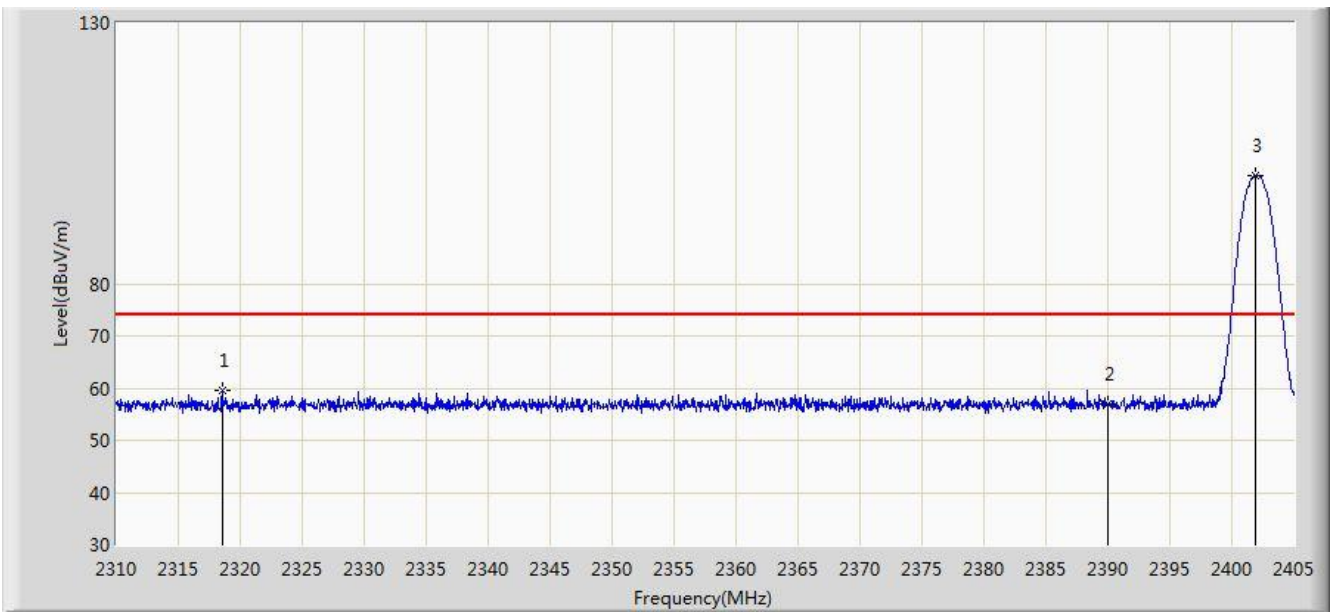


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2372.653	38.616	6.263	-15.384	54.000	32.353	AV
2			2390.000	38.035	5.708	-15.965	54.000	32.327	AV
3			2402.008	91.403	59.099	N/A	N/A	32.305	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

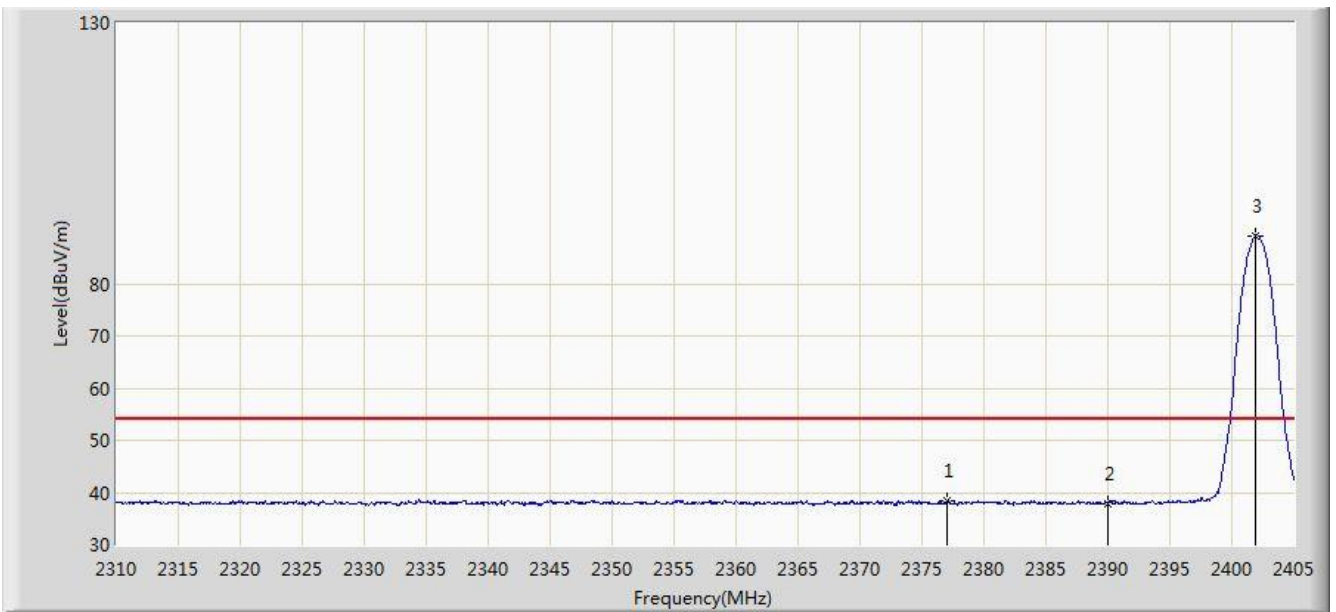


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2318.550	59.660	27.139	-14.340	74.000	32.521	PK
2			2390.000	56.953	24.626	-17.047	74.000	32.327	PK
3			2401.865	100.753	68.448	N/A	N/A	32.305	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

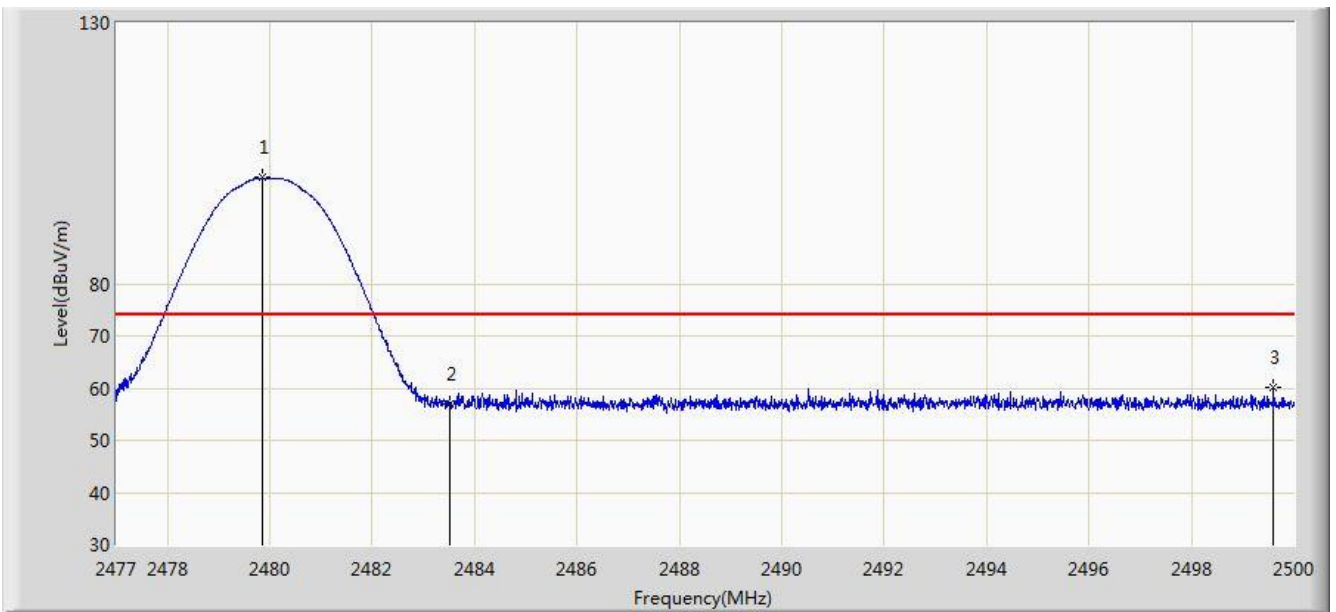


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2377.070	38.500	6.156	-15.500	54.000	32.344	AV
2			2390.000	37.882	5.555	-16.118	54.000	32.327	AV
3			2401.913	89.218	56.913	N/A	N/A	32.305	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

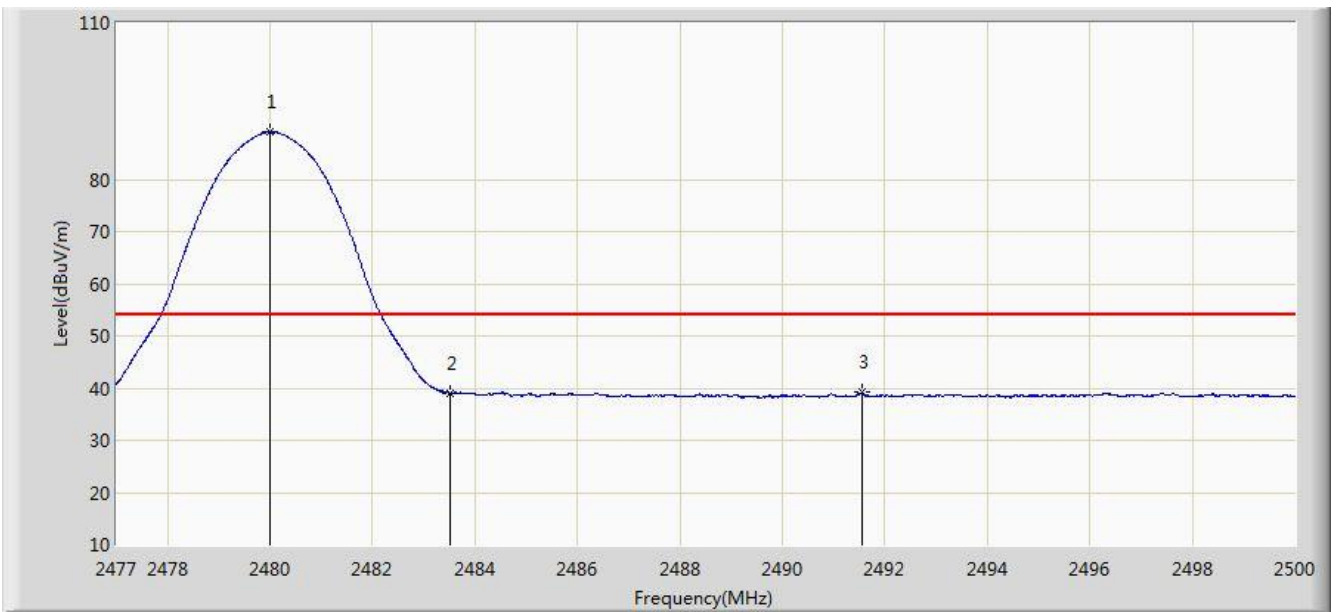


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2479.841	100.295	67.970	N/A	N/A	32.325	PK
2			2483.500	56.825	24.486	-17.175	74.000	32.340	PK
3			2499.597	60.149	27.755	-13.851	74.000	32.394	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

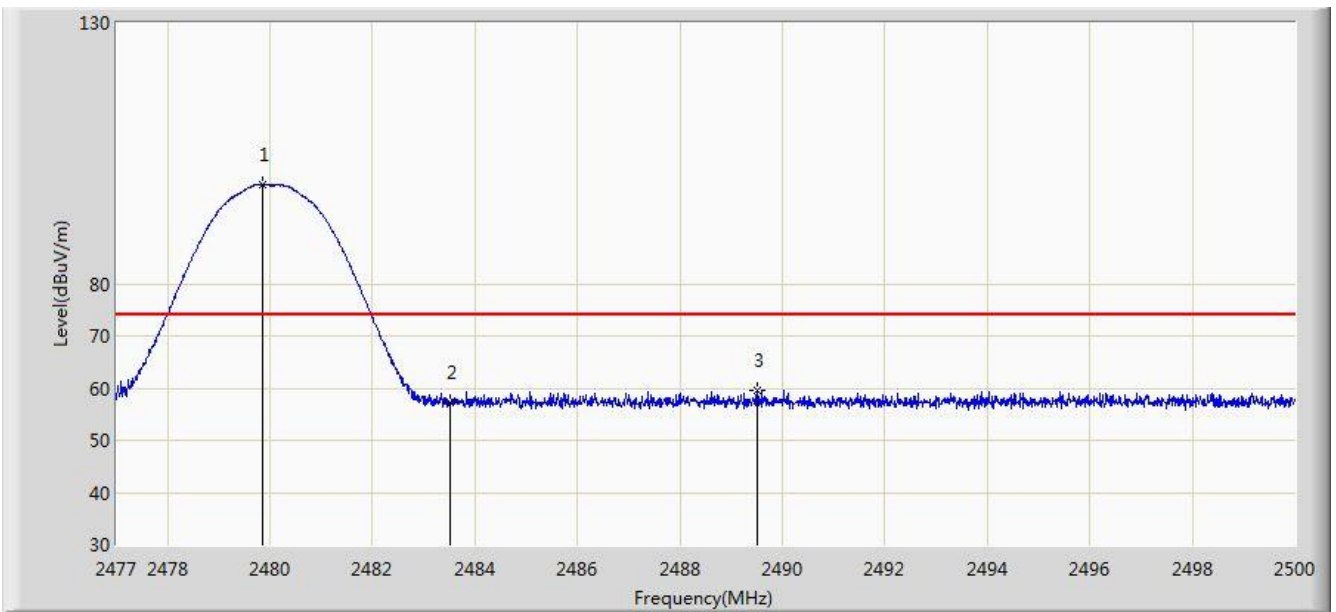


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.001	89.080	56.755	N/A	N/A	32.325	AV
2			2483.500	39.104	6.765	-14.896	54.000	32.340	AV
3			2491.548	39.165	6.794	-14.835	54.000	32.371	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

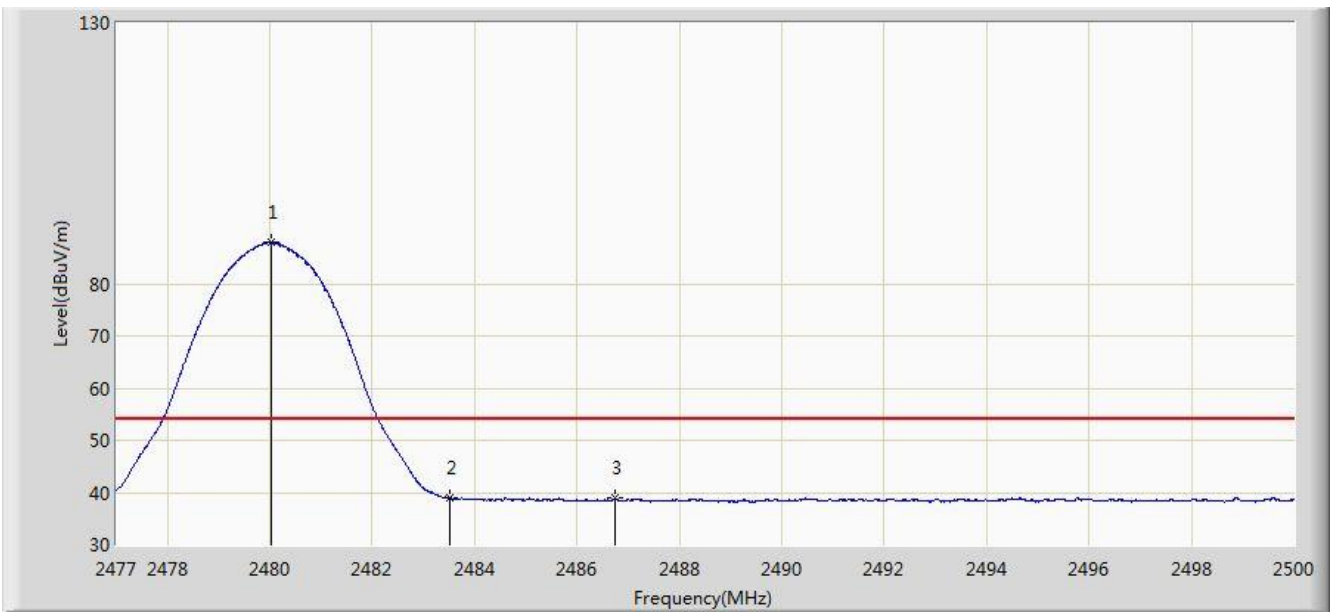


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2479.864	99.129	66.804	N/A	N/A	32.325	PK
2			2483.500	57.178	24.839	-16.822	74.000	32.340	PK
3			2489.500	59.682	27.319	-14.318	74.000	32.362	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

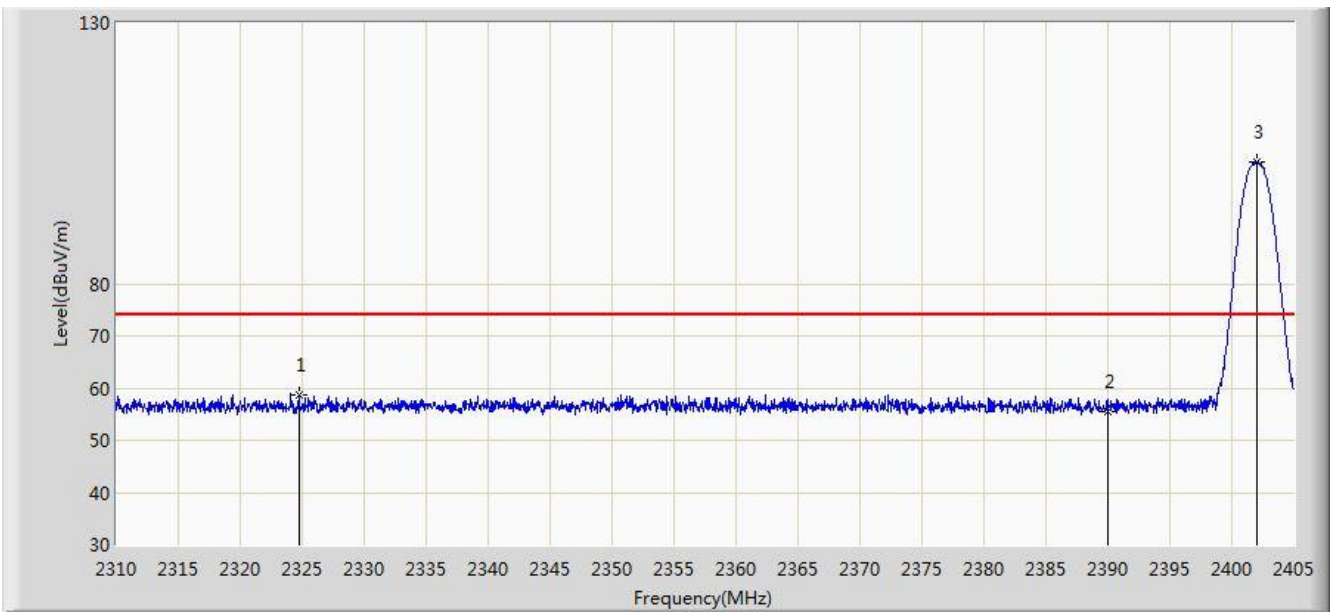


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.013	87.872	55.547	N/A	N/A	32.325	AV
2			2483.500	38.939	6.600	-15.061	54.000	32.340	AV
3			2486.740	38.915	6.563	-15.085	54.000	32.351	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

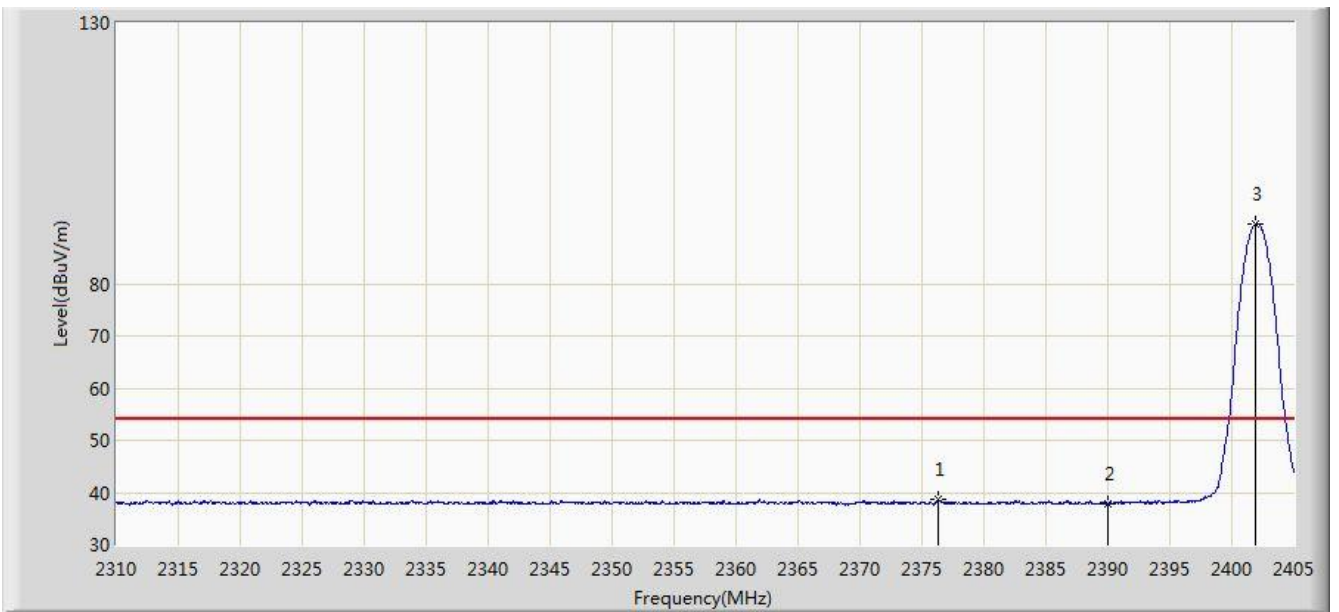


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2324.772	58.766	26.268	-15.234	74.000	32.498	PK
2			2390.000	55.635	23.308	-18.365	74.000	32.327	PK
3			2402.008	103.354	71.050	N/A	N/A	32.305	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

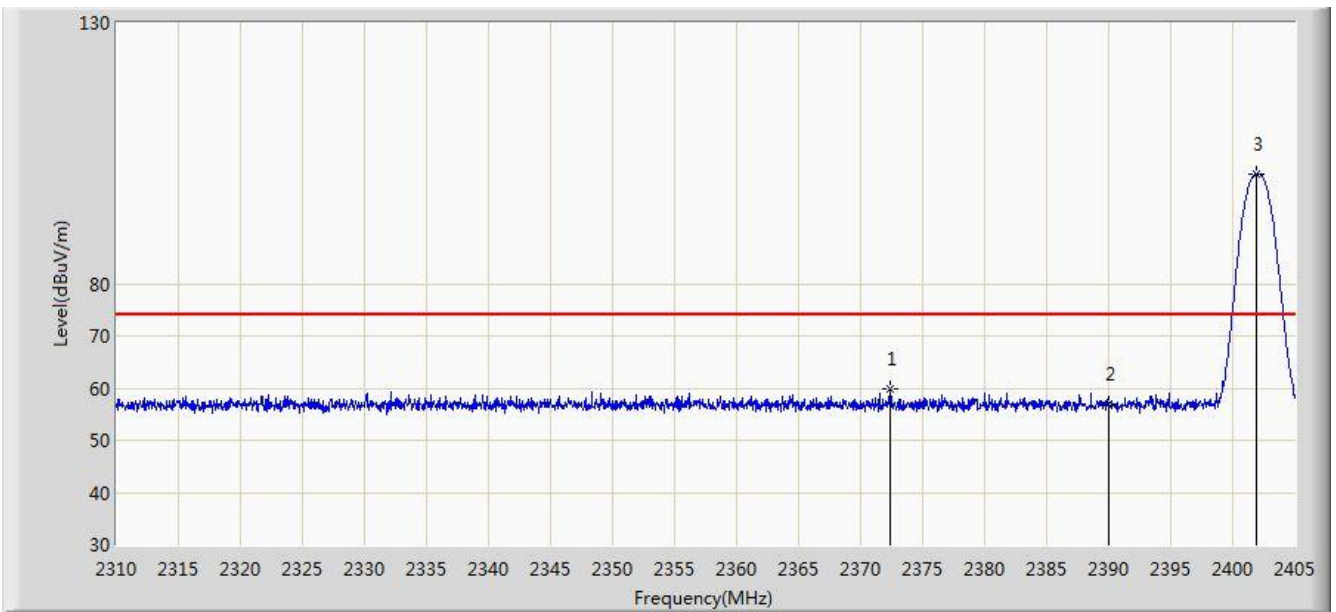


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2376.310	38.556	6.210	-15.444	54.000	32.346	AV
2			2390.000	37.697	5.370	-16.303	54.000	32.327	AV
3			2401.865	91.403	59.098	N/A	N/A	32.305	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

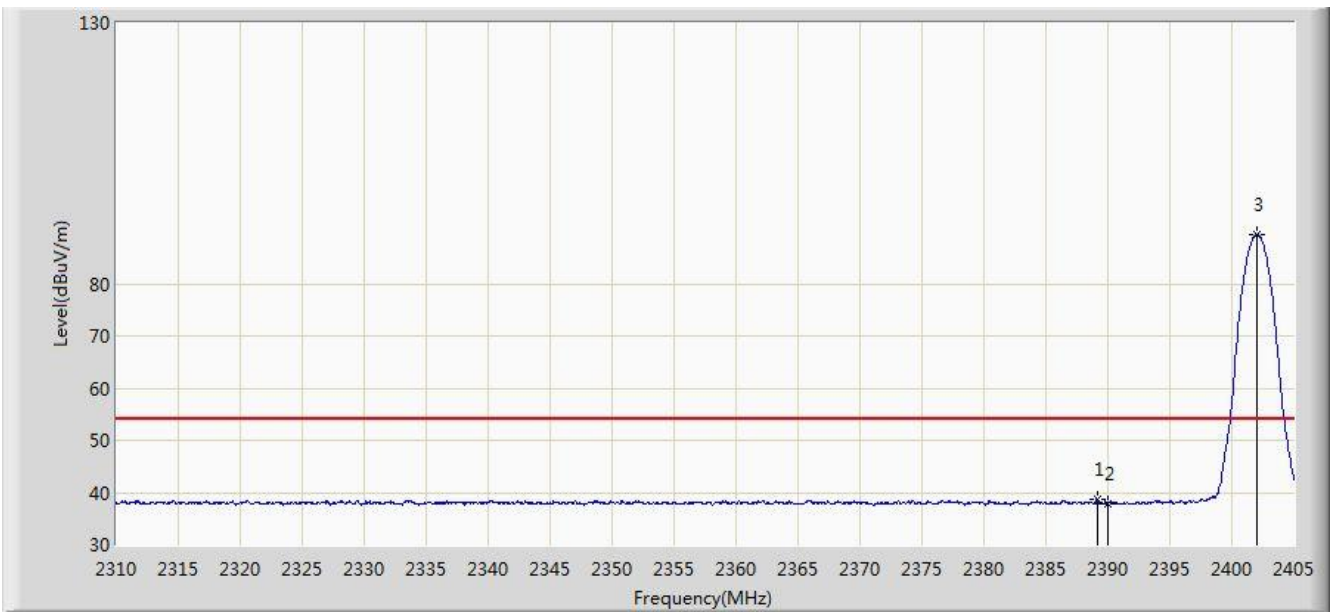


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2372.367	59.952	27.599	-14.048	74.000	32.354	PK
2			2390.000	56.999	24.672	-17.001	74.000	32.327	PK
3			2401.960	101.041	68.736	N/A	N/A	32.305	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

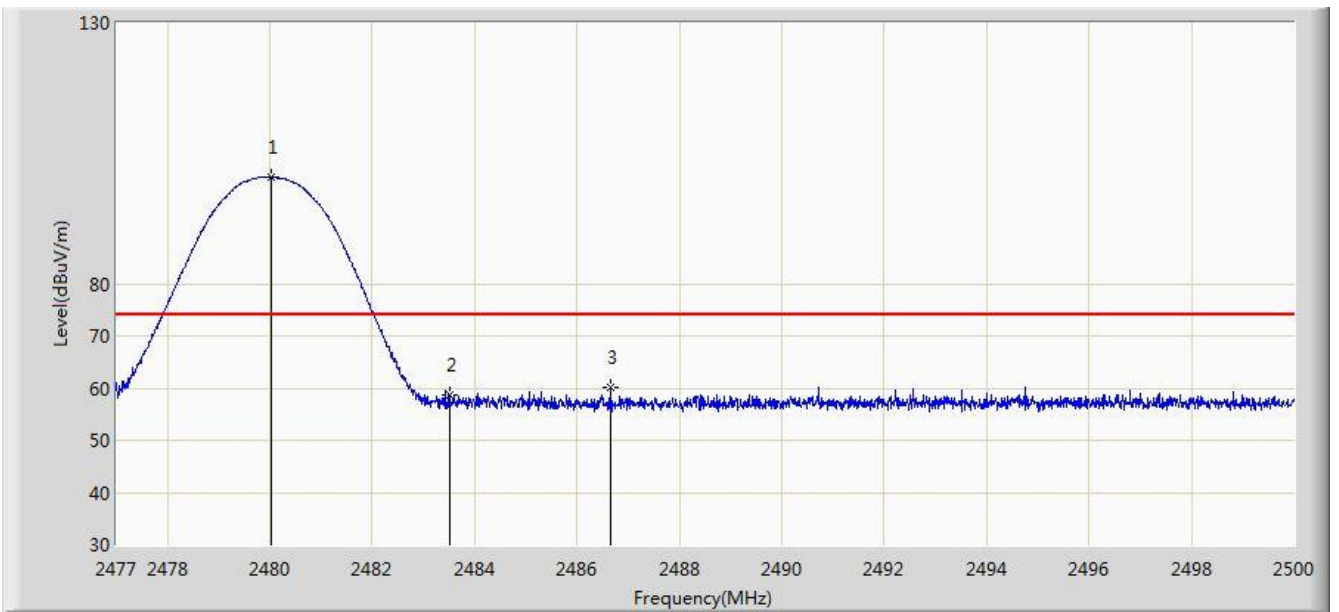


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.135	38.703	6.375	-15.297	54.000	32.328	AV
2			2390.000	37.863	5.536	-16.137	54.000	32.327	AV
3			2402.055	89.460	57.156	N/A	N/A	32.304	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

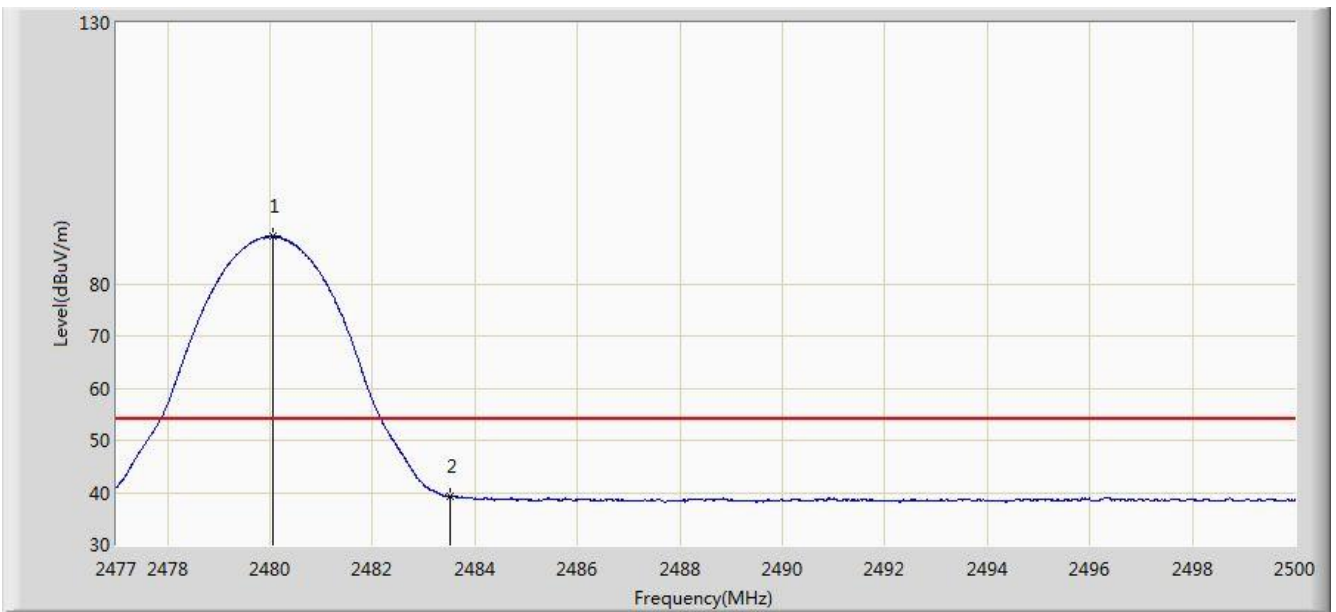


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.024	100.457	68.132	N/A	N/A	32.325	PK
2			2483.500	58.723	26.384	-15.277	74.000	32.340	PK
3			2486.660	60.164	27.812	-13.836	74.000	32.351	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

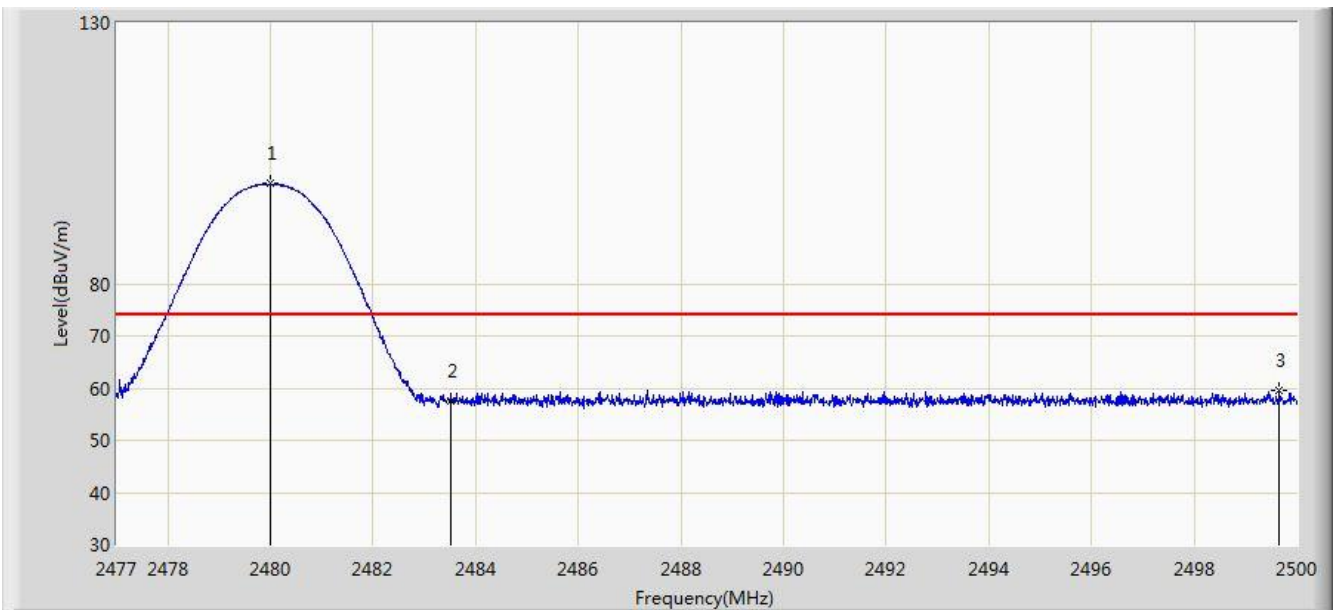


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.048	89.066	56.740	N/A	N/A	32.325	AV
2			2483.500	39.252	6.913	-14.748	54.000	32.340	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

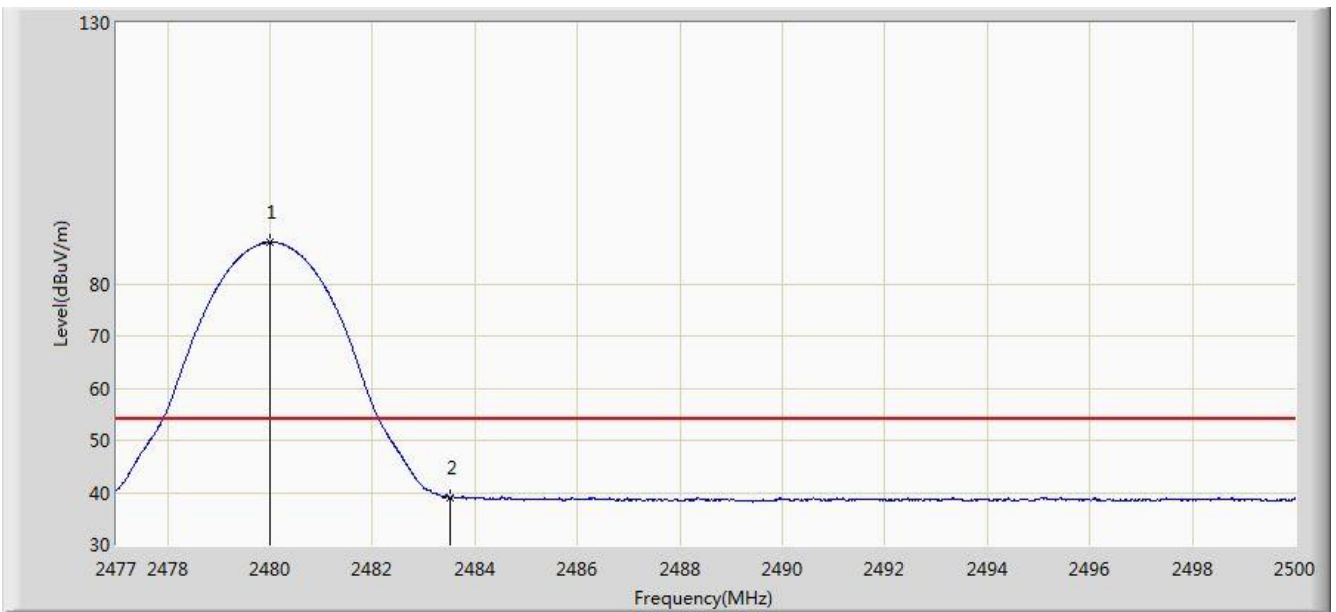


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2480.001	99.139	66.814	N/A	N/A	32.325	PK
2			2483.500	57.464	25.125	-16.536	74.000	32.340	PK
3			2499.655	59.521	27.127	-14.479	74.000	32.394	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/06/08 - 06:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Hunk Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: DOLPHINE CT40	Power: By Battery
Test Mode: Transmit by 3DH5 at Channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2479.990	87.948	55.623	N/A	N/A	32.325	AV
2			2483.500	39.043	6.704	-14.957	54.000	32.340	AV

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.11. AC Conducted Emissions Measurement

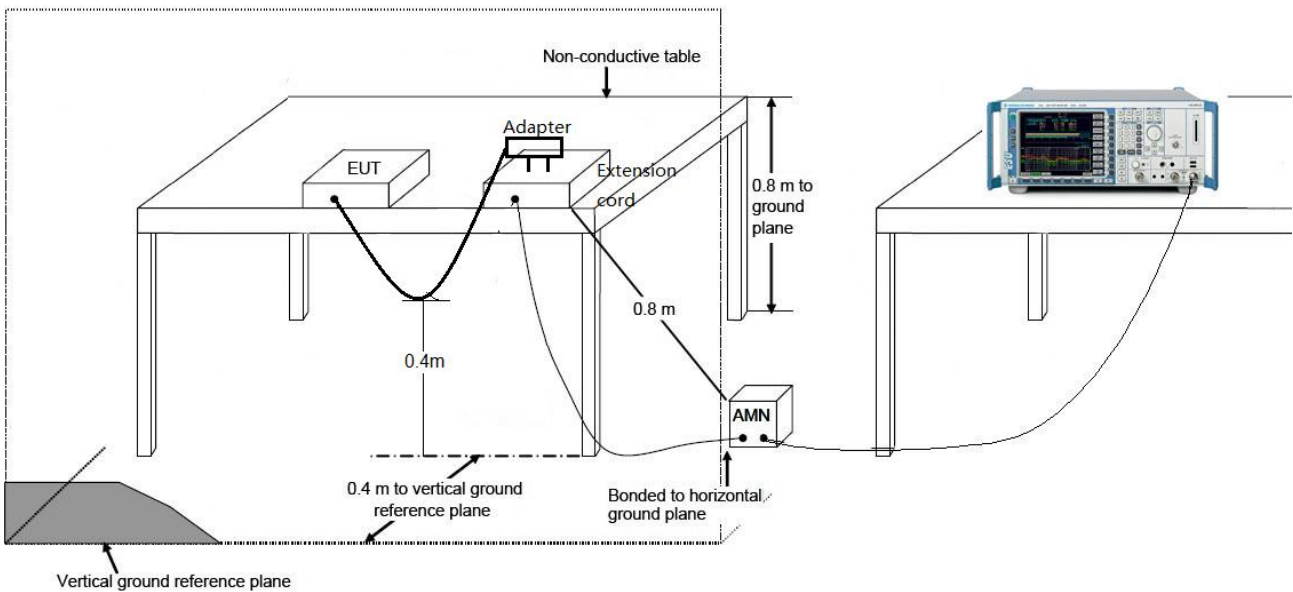
7.11.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

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

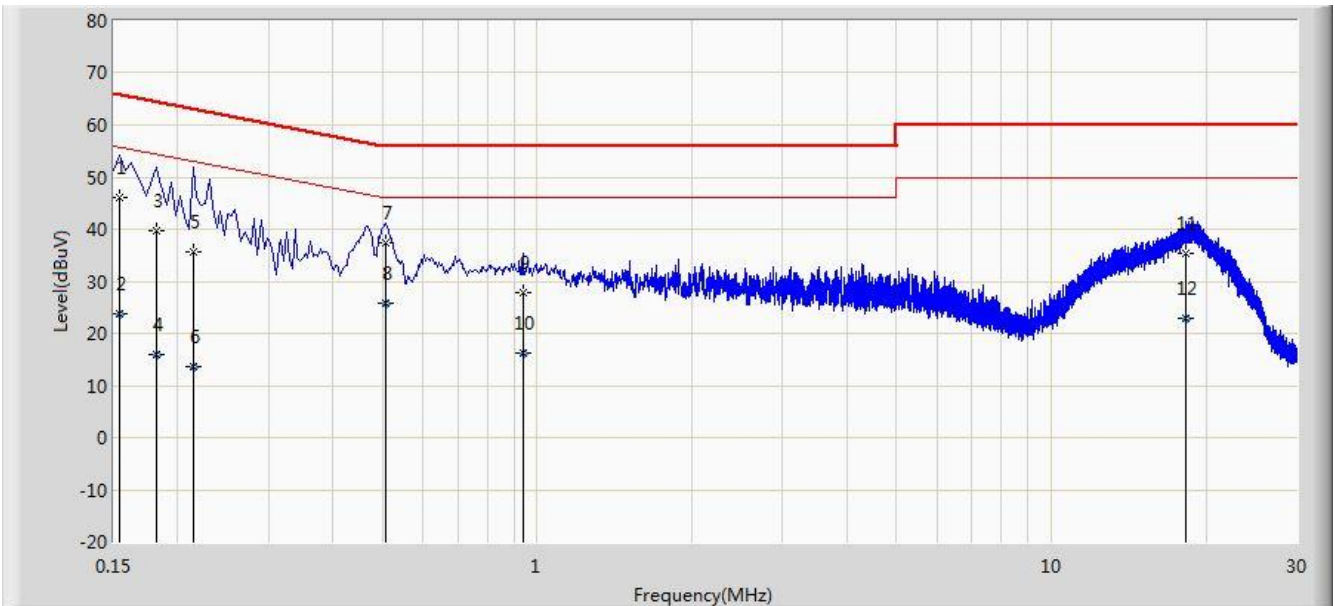
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.11.2. Test Setup



7.11.3. Test Result

Site: SR2	Time: 2018/04/27 - 13:18
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: DOLPHINE CT40	Power: AC 120V/60Hz
Test Mode: Mode1	

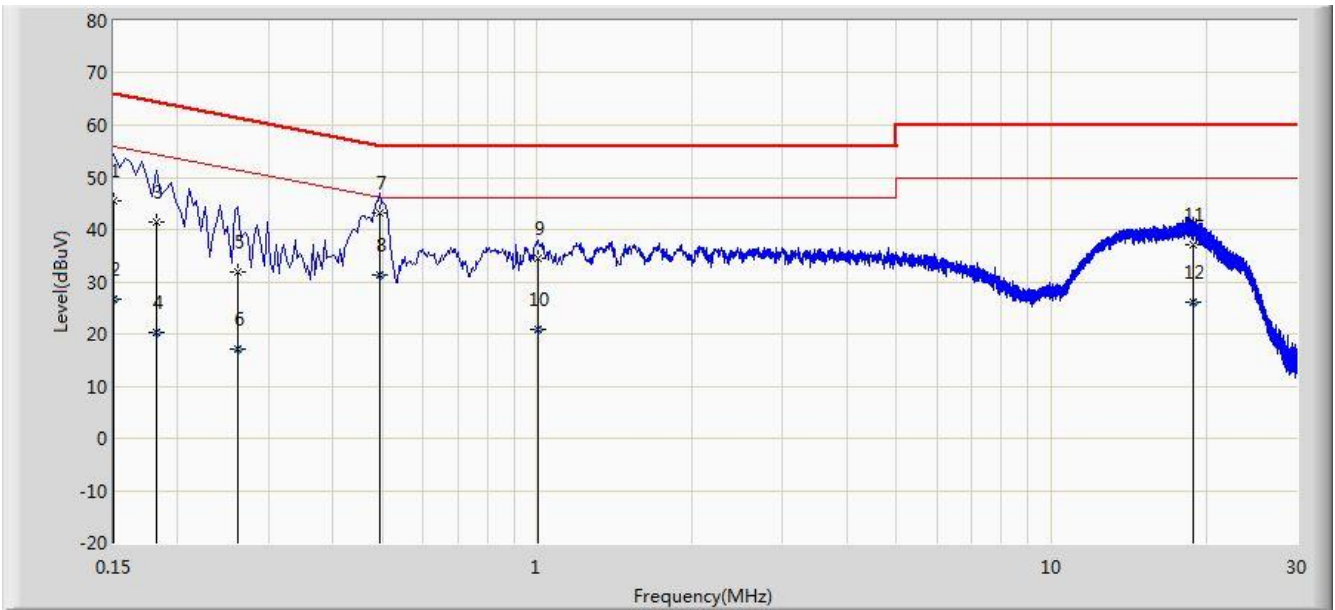


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	46.027	35.287	-19.754	65.781	10.740	QP
2			0.154	23.898	13.158	-31.884	55.781	10.740	AV
3			0.182	39.740	29.692	-24.654	64.394	10.048	QP
4			0.182	16.068	6.020	-38.325	54.394	10.048	AV
5			0.214	35.703	25.746	-27.346	63.049	9.957	QP
6			0.214	13.655	3.698	-39.394	53.049	9.957	AV
7		*	0.506	37.261	27.104	-18.739	56.000	10.157	QP
8			0.506	25.702	15.545	-20.298	46.000	10.157	AV
9			0.938	27.967	18.027	-28.033	56.000	9.940	QP
10			0.938	16.352	6.412	-29.648	46.000	9.940	AV
11			18.306	35.356	25.254	-24.644	60.000	10.101	QP
12			18.306	22.810	12.709	-27.190	50.000	10.101	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2018/04/27 - 13:23
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: DOLPHINE CT40	Power: AC 120V/60Hz
Test Mode: Mode1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	45.623	34.481	-20.377	66.000	11.142	QP
2			0.150	26.765	15.623	-29.235	56.000	11.142	AV
3			0.182	41.462	31.419	-22.932	64.394	10.042	QP
4			0.182	20.255	10.212	-34.139	54.394	10.042	AV
5			0.262	31.818	21.808	-29.550	61.368	10.010	QP
6			0.262	17.217	7.207	-34.150	51.368	10.010	AV
7		*	0.494	43.188	33.009	-12.913	56.100	10.178	QP
8			0.494	31.302	21.124	-14.798	46.100	10.178	AV
9			1.006	34.445	24.536	-21.555	56.000	9.909	QP
10			1.006	21.001	11.092	-24.999	46.000	9.909	AV
11			18.890	37.012	26.861	-22.988	60.000	10.151	QP
12			18.890	26.184	16.033	-23.816	50.000	10.151	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **DOLPHINE CT40** is in compliance with Part 15C of the FCC rules and RSS rules.

————— The End —————