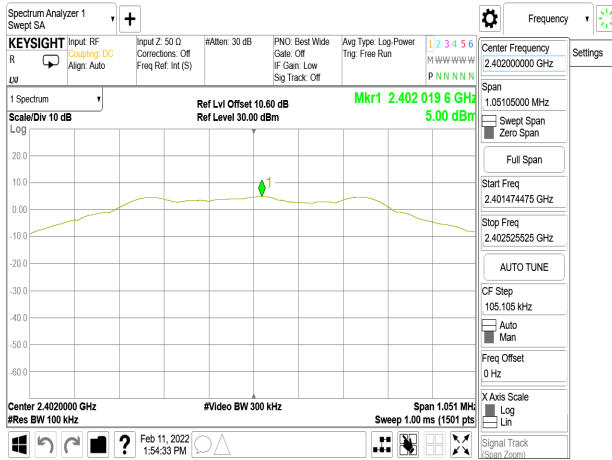
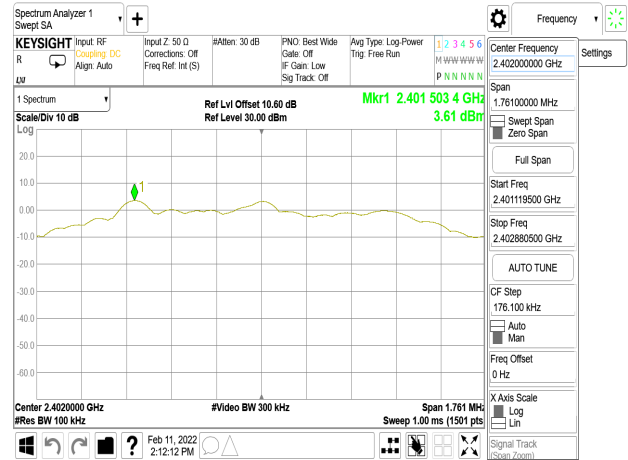


2XS

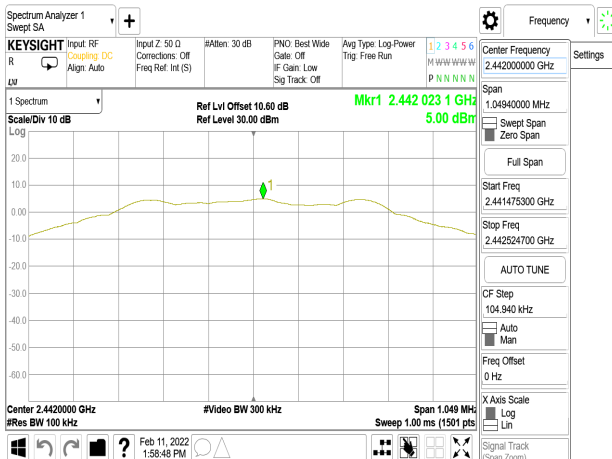
Reference Level_BLE 1M_LowCH00-2402MHz



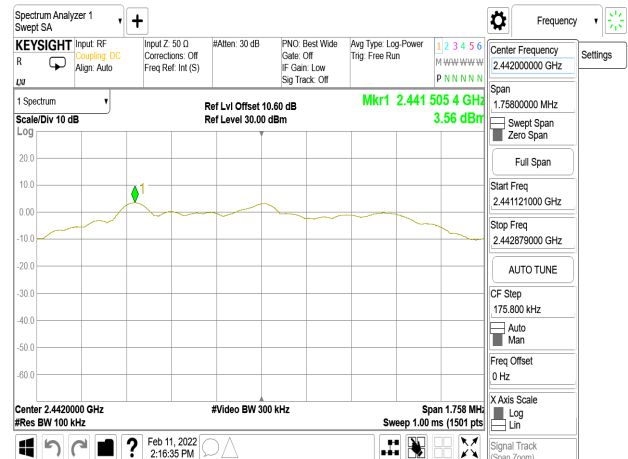
Reference Level_BLE 2M_LowCH00-2402MHz



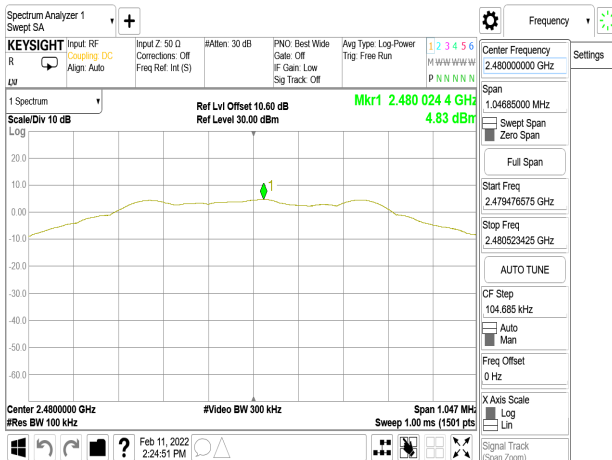
Reference Level_BLE 1M_MidCH20-2442MHz



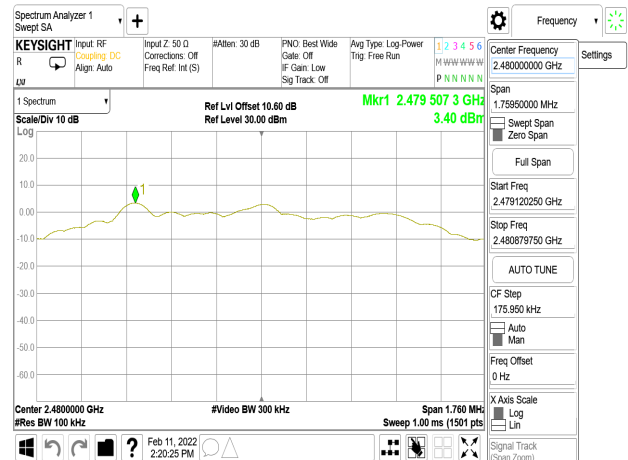
Reference Level_BLE 2M_MidCH20-2442MHz



Reference Level_BLE 1M_HighCH39-2480MHz



Reference Level_BLE 2M_HighCH39-2480MHz

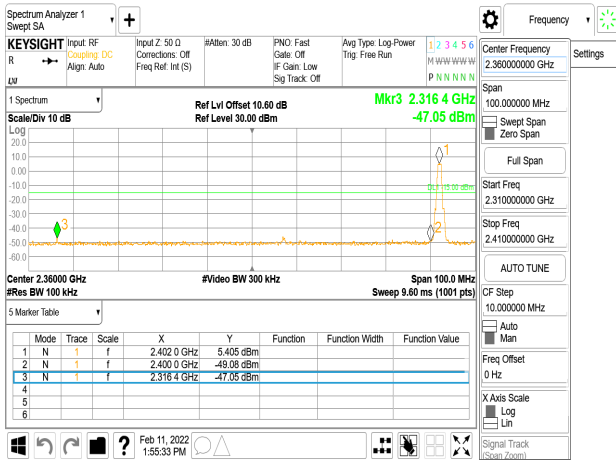


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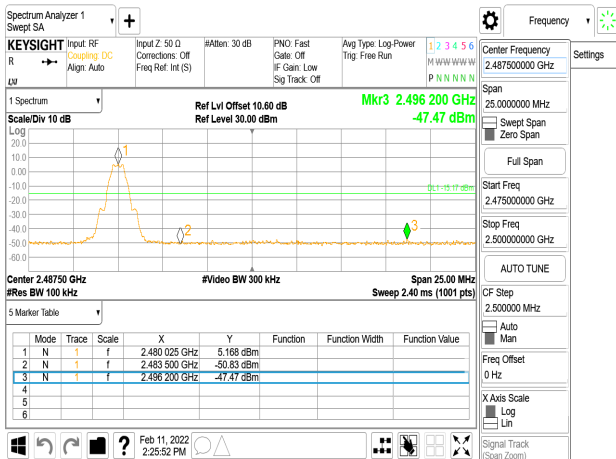
Band Edge_BLE 1M_LowCH00-2402MHz



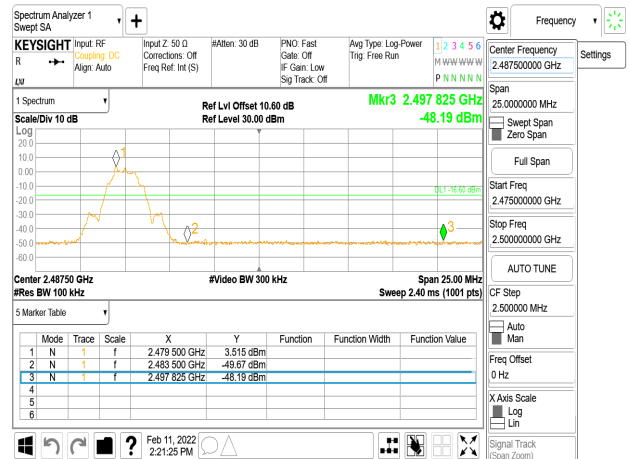
Band Edge_BLE 2M_LowCH00-2402MHz



Band Edge_BLE 1M_HighCH39-2480MHz



Band Edge_BLE 2M_HighCH39-2480MHz

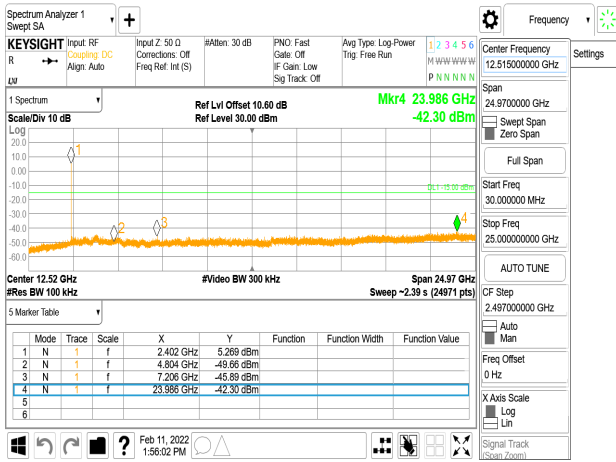


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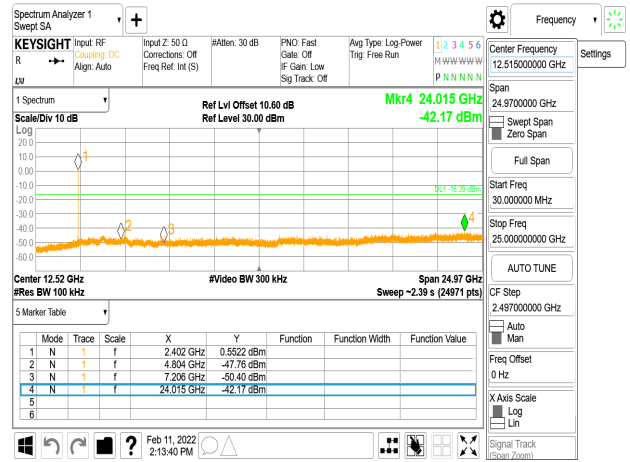
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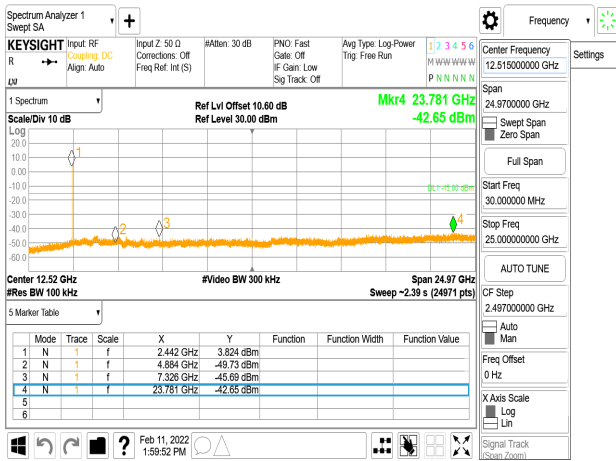
Spurious Emission_BLE 1M_LowCH00-2402MHz



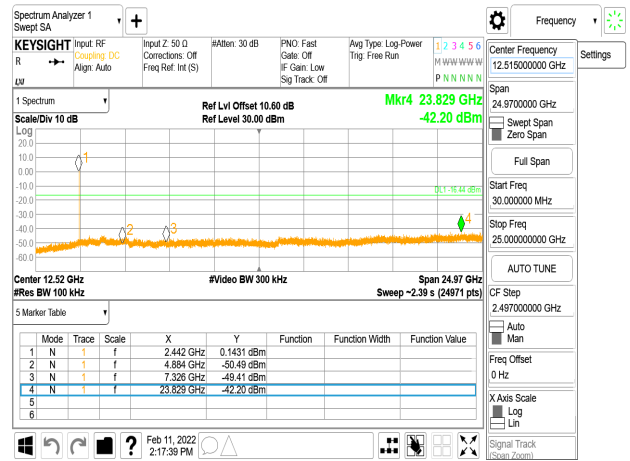
Spurious Emission_BLE 2M_LowCH00-2402MHz



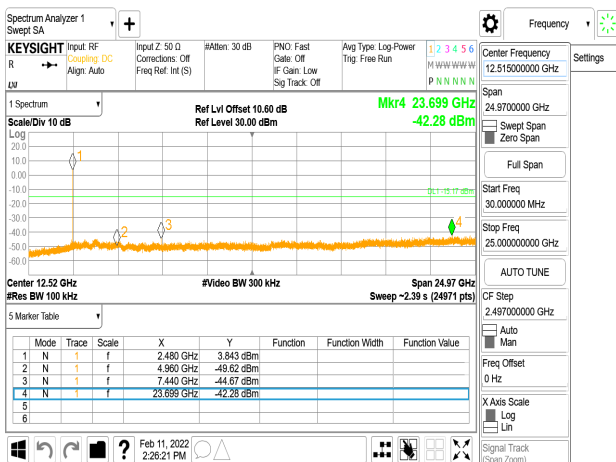
Spurious Emission_BLE 1M_MidCH20-2442MHz



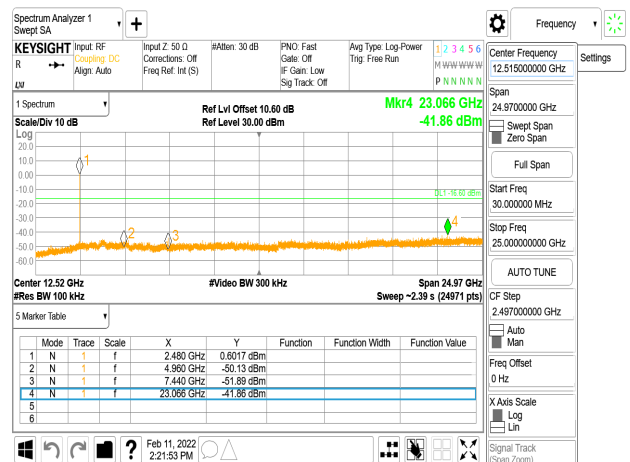
Spurious Emission_BLE 2M_MidCH20-2442MHz



Spurious Emission_BLE 1M_HighCH39-2480MHz



Spurious Emission_BLE 2M_HighCH39-2480MHz



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11 RADIATED BANDEdge AND SPURIOUS EMISSION MEASUREMENT

11.1 Standard Applicable

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 power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

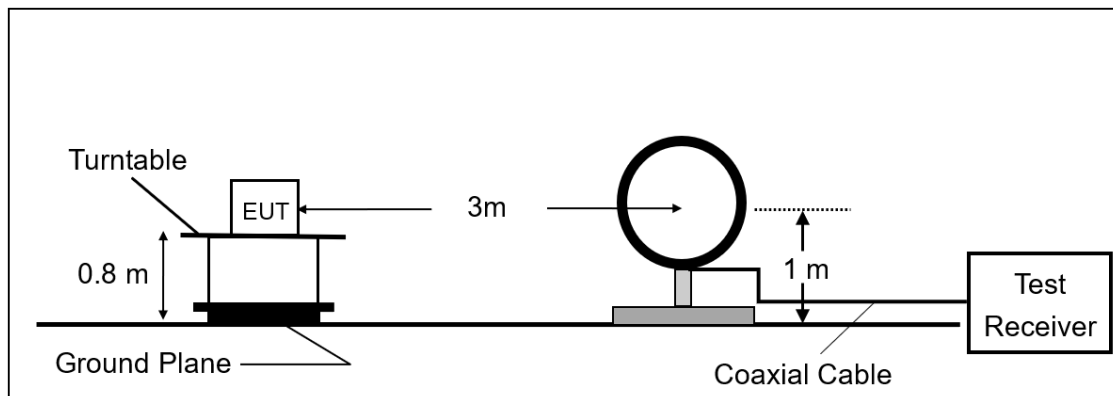
And according to §15.33(a) (1) & RSS-Gen §6.13.2.a for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	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

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

11.2 Test Setup

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.

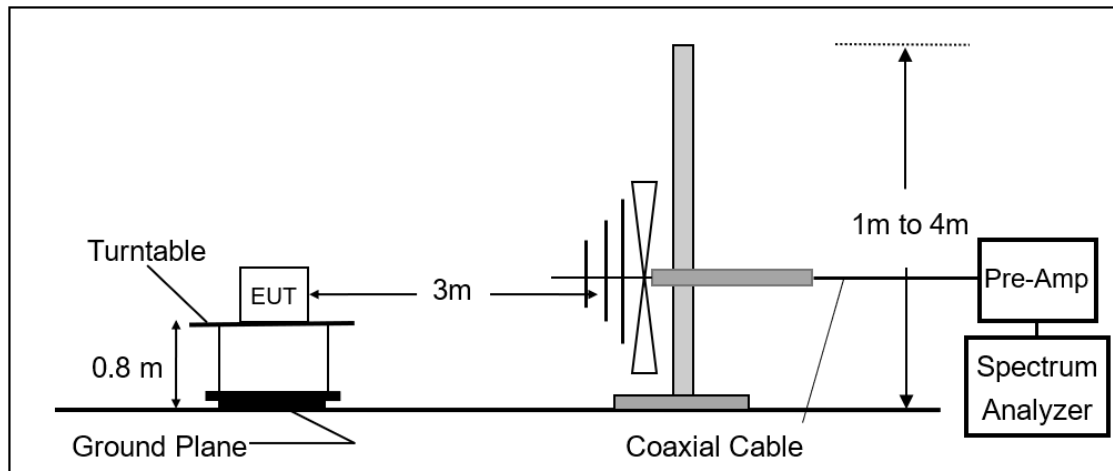


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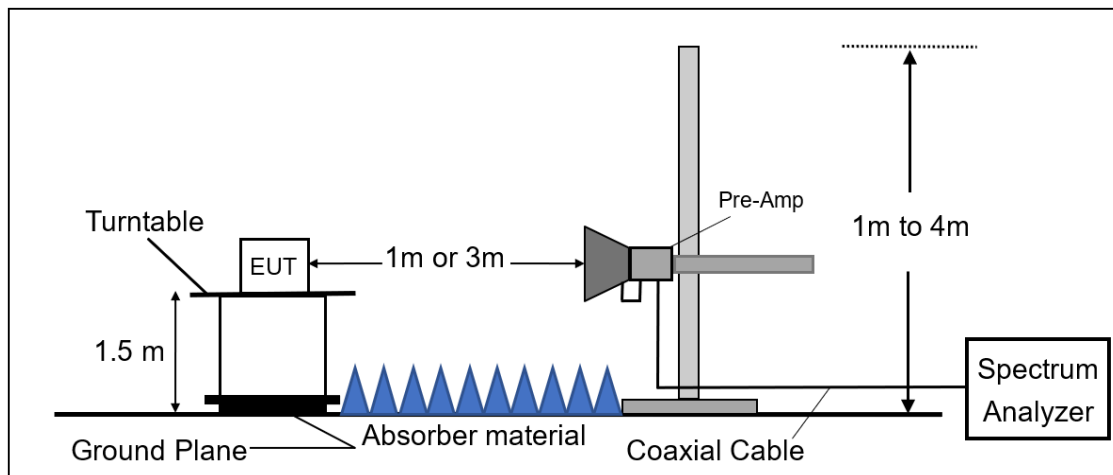
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(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz.



11.3 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.

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7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all default test channel measured were complete.

11.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS = Field Strength* *CL = Cable Attenuation Factor (Cable Loss)*
RA = Reading Amplitude *AG = Amplifier Gain*
AF = Antenna Factor

*The limit of the emission level is expressed in dBuV/m, which converts 20*log(uV/m)*

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

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

11.5 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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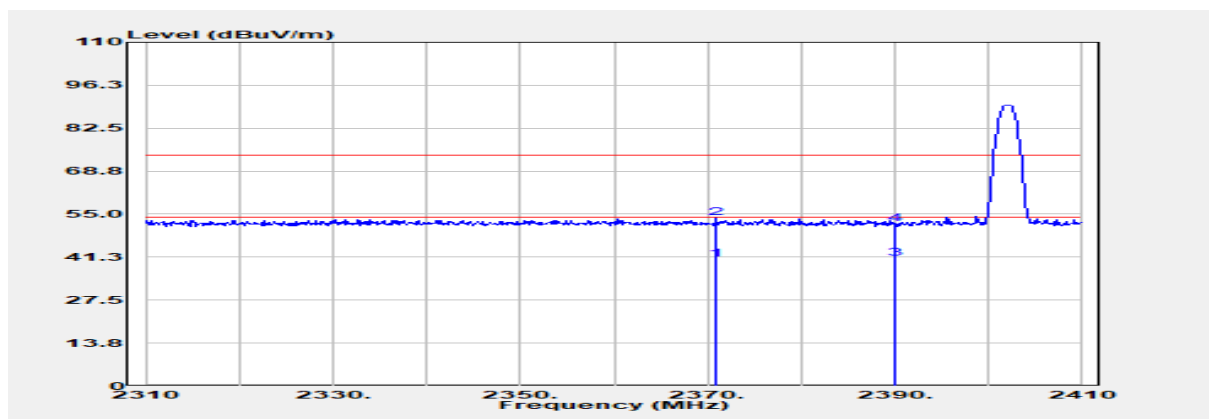
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11.6 Measurement Result:

11.6.1 Radiated Band Edge Measurement Result

1XL

Report Number	:E2/2022/10037	Test Site	:SAC D
Operation Mode	:BLE 1M	Test Date	:2022-02-10
Test Frequency	:2402 MHz	Temp./Humi.	:19.1/65
Test Mode	:BE CH LOW	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2371.000	Average	46.09	-5.62	40.47	54.00	-13.53
2371.000	Peak	59.34	-5.62	53.72	74.00	-20.28
2390.000	Average	46.48	-5.69	40.79	54.00	-13.21
2390.000	Peak	57.39	-5.69	51.70	74.00	-22.30

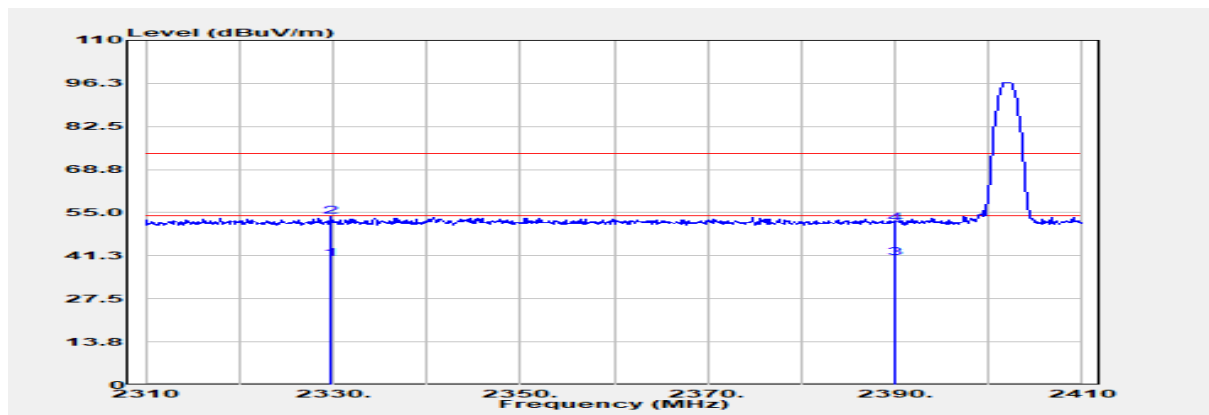
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2402 MHz
 Test Mode :BE CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :19.1/65
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2329.800	Average	45.84	-5.57	40.27	54.00	-13.73
2329.800	Peak	59.20	-5.57	53.63	74.00	-20.37
2390.000	Average	46.34	-5.69	40.65	54.00	-13.35
2390.000	Peak	57.14	-5.69	51.45	74.00	-22.55

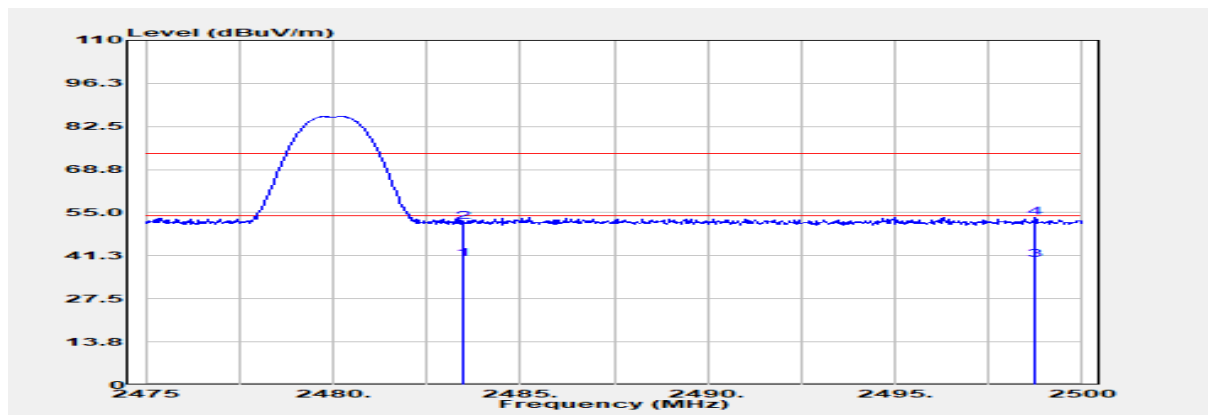
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-09
 Temp./Humi. :21.2/59
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	46.31	-5.94	40.37	54.00	-13.63
2483.500	Peak	58.03	-5.94	52.09	74.00	-21.91
2498.750	Average	46.09	-5.98	40.11	54.00	-13.89
2498.750	Peak	59.43	-5.98	53.45	74.00	-20.55

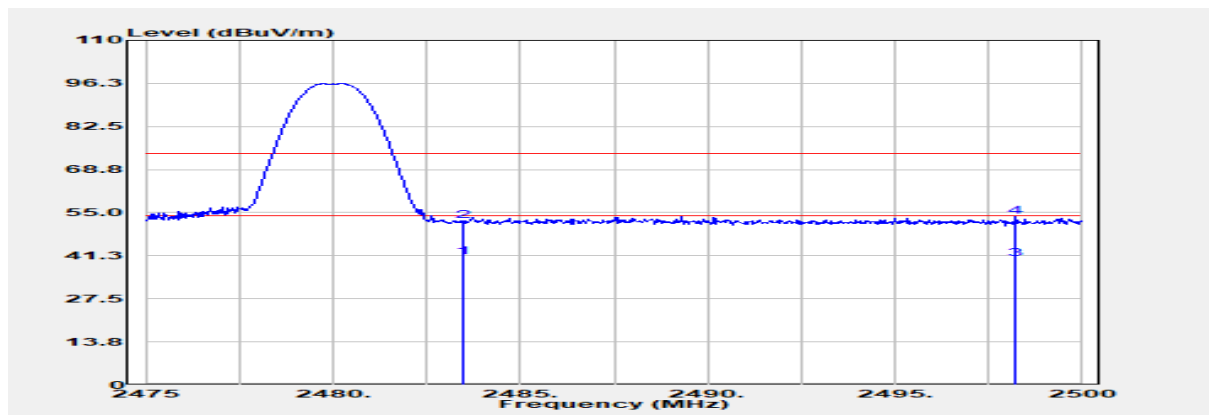
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-09
 Temp./Humi. : 21.2/59
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	46.75	-5.94	40.80	54.00	-13.20
2483.500	Peak	58.45	-5.94	52.51	74.00	-21.49
2498.225	Average	46.15	-5.98	40.17	54.00	-13.83
2498.225	Peak	59.71	-5.98	53.72	74.00	-20.28

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Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 2M

Test Date :2022-02-10

Test Frequency :2402 MHz

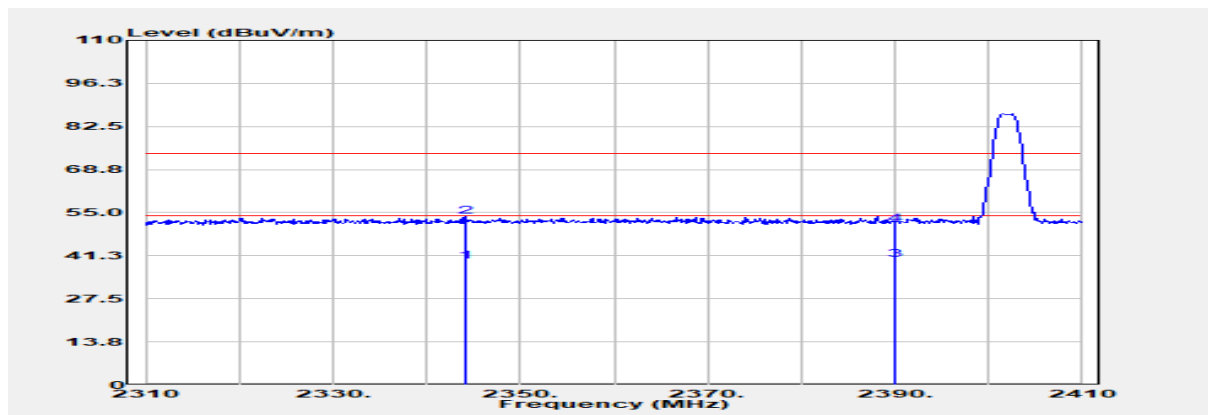
Temp./Humi. :19.1/65

Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2344.100	Average	44.88	-5.55	39.33	54.00	-14.67
2344.100	Peak	59.25	-5.55	53.70	74.00	-20.30
2390.000	Average	45.68	-5.69	39.99	54.00	-14.01
2390.000	Peak	57.05	-5.69	51.36	74.00	-22.64

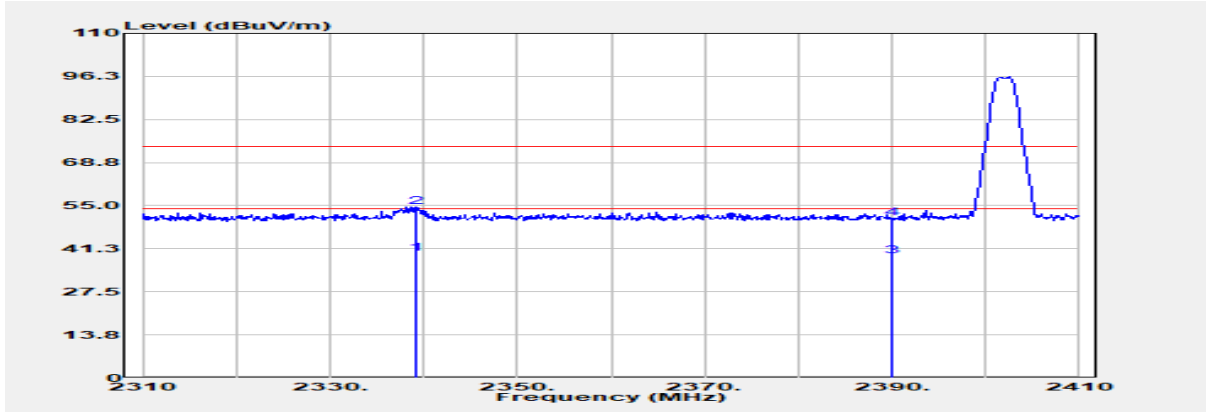
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Report Number :E2/2022/10037
Operation Mode :BLE 2M
Test Frequency :2402 MHz
Test Mode :BE CH LOW
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-10
Temp./Humi. :19.1/65
Antenna Pol. :Horizontal
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2339.300	Average	45.33	-5.55	39.78	54.00	-14.22
2339.300	Peak	60.23	-5.55	54.68	74.00	-19.32
2390.000	Average	44.58	-5.69	38.89	54.00	-15.11
2390.000	Peak	56.60	-5.69	50.91	74.00	-23.09

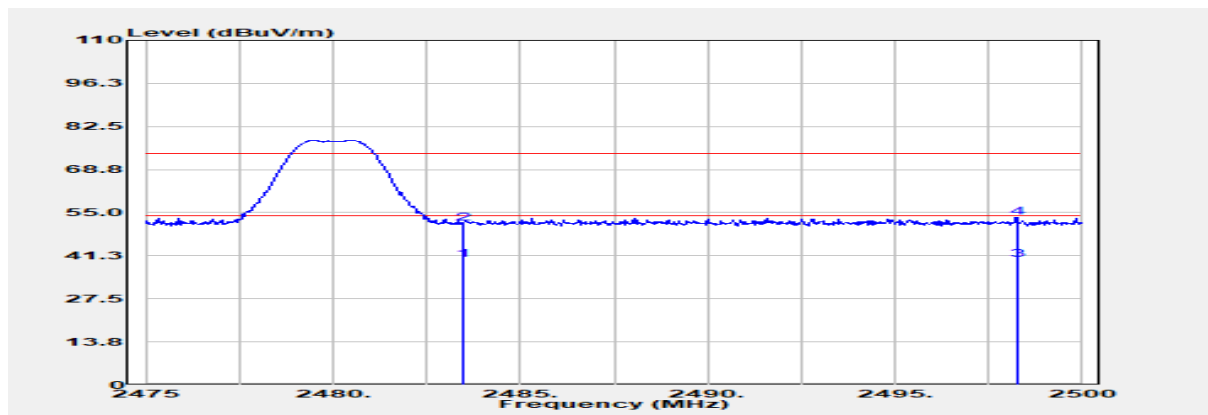
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :19.1/65
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	45.88	-5.94	39.94	54.00	-14.06
2483.500	Peak	57.57	-5.94	51.63	74.00	-22.37
2498.250	Average	45.98	-5.98	40.00	54.00	-14.00
2498.250	Peak	59.60	-5.98	53.61	74.00	-20.39

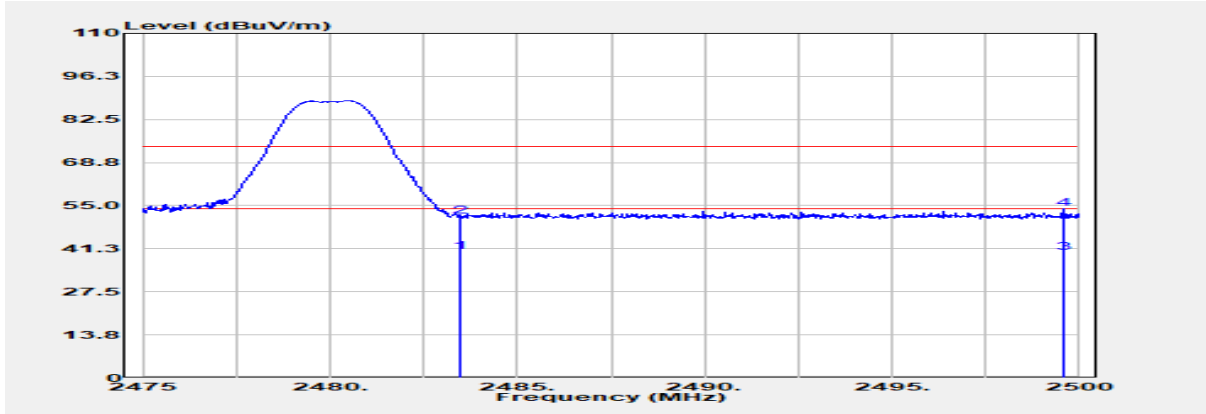
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :19.1/65
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	46.27	-5.94	40.33	54.00	-13.67
2483.500	Peak	57.58	-5.94	51.64	74.00	-22.36
2499.600	Average	45.88	-5.99	39.90	54.00	-14.10
2499.600	Peak	59.98	-5.99	54.00	74.00	-20.00

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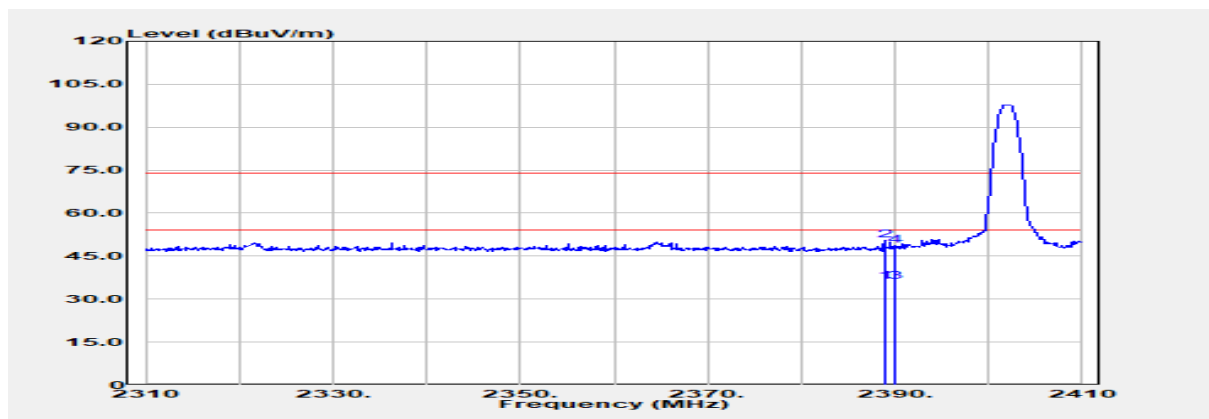
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2XS

Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2402 MHz
 Test Mode :BE CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.900	Average	41.63	-5.69	35.94	54.00	-18.06
2388.900	Peak	56.18	-5.69	50.49	74.00	-23.51
2390.000	Average	41.64	-5.69	35.95	54.00	-18.05
2390.000	Peak	54.36	-5.69	48.67	74.00	-25.33

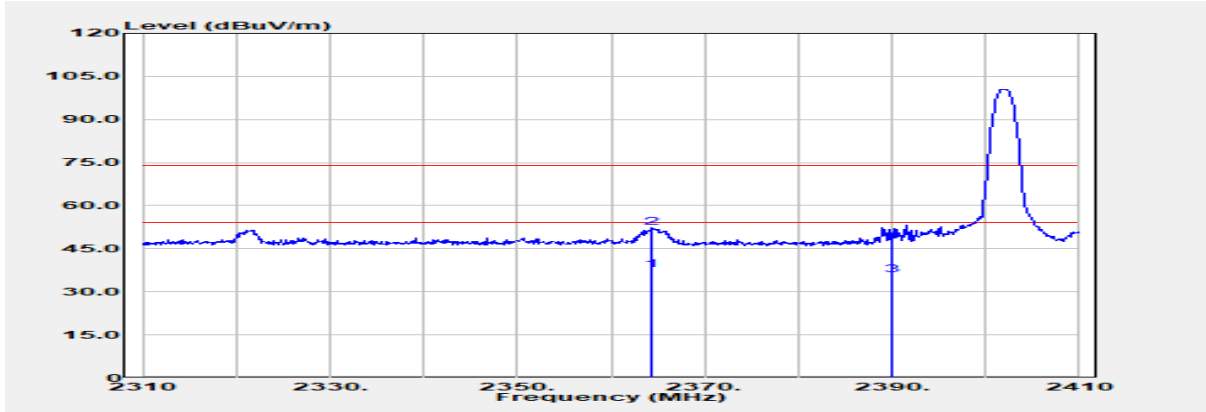
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2402 MHz
 Test Mode :BE CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2364.400	Average	43.34	-5.59	37.74	54.00	-16.26
2364.400	Peak	57.94	-5.59	52.35	74.00	-21.65
2390.000	Average	41.41	-5.69	35.72	54.00	-18.28
2390.000	Peak	53.15	-5.69	47.46	74.00	-26.54

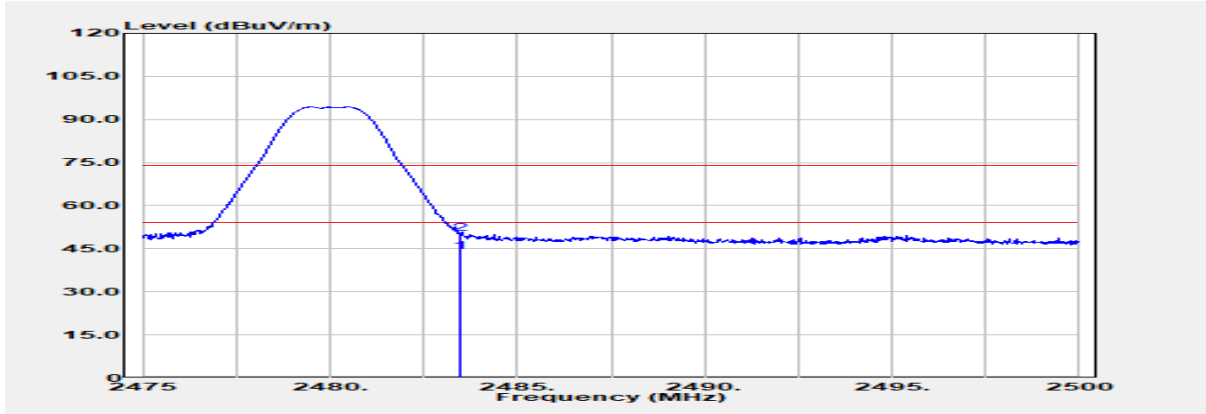
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	49.83	-5.94	43.89	54.00	-10.11
2483.500	Peak	56.09	-5.94	50.14	74.00	-23.86

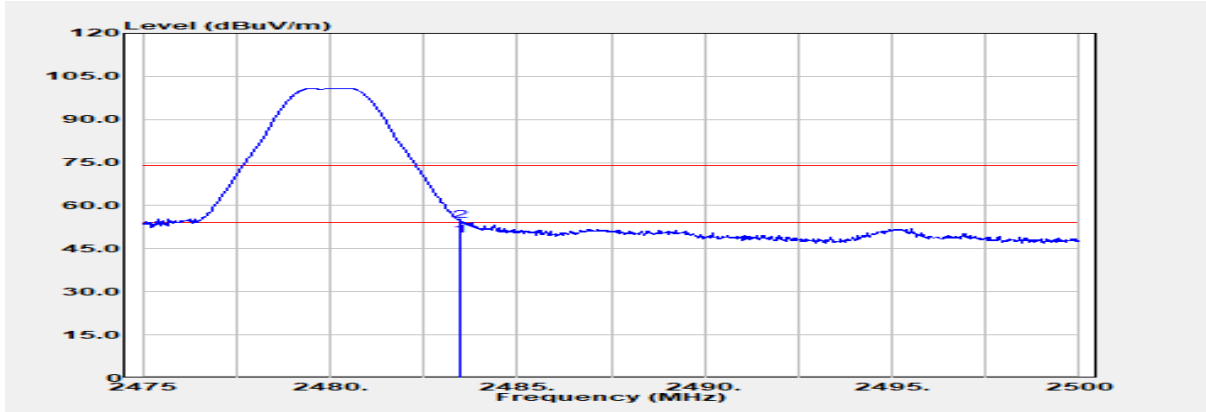
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	55.47	-5.94	49.53	54.00	-4.47
2483.500	Peak	60.63	-5.94	54.69	74.00	-19.31

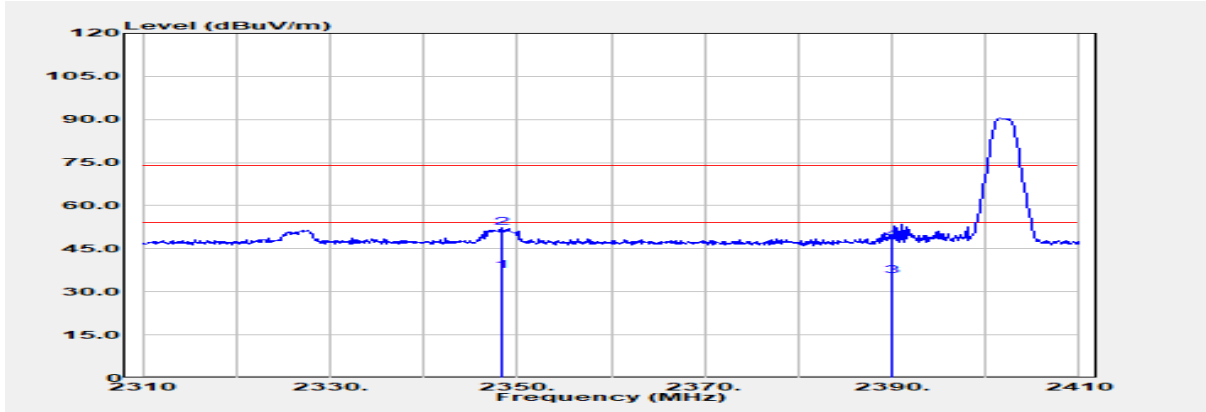
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2402 MHz
 Test Mode :BE CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2348.300	Average	42.82	-5.54	37.28	54.00	-16.72
2348.300	Peak	57.81	-5.54	52.27	74.00	-21.73
2390.000	Average	41.15	-5.69	35.46	54.00	-18.54
2390.000	Peak	53.71	-5.69	48.02	74.00	-25.98

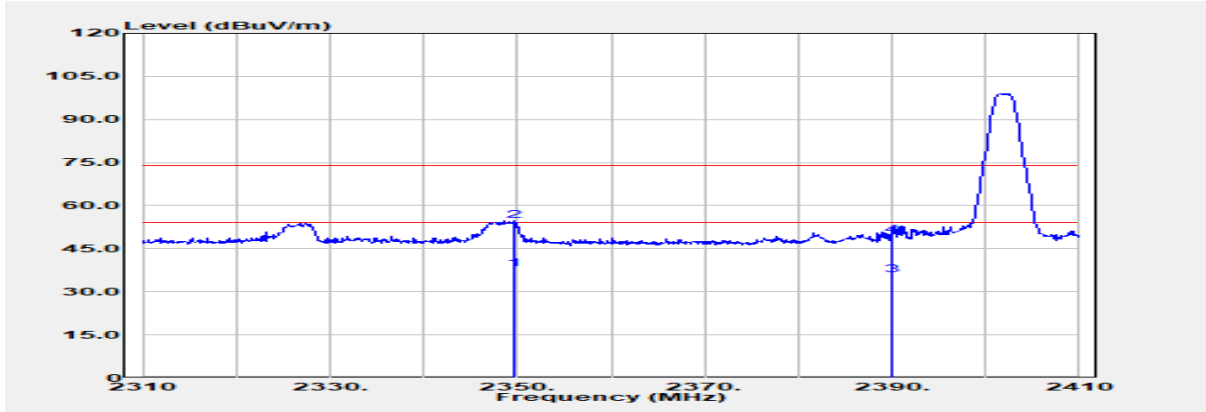
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2402 MHz
 Test Mode :BE CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2349.600	Average	43.58	-5.54	38.04	54.00	-15.96
2349.600	Peak	60.35	-5.54	54.81	74.00	-19.19
2390.000	Average	41.48	-5.69	35.79	54.00	-18.21
2390.000	Peak	55.46	-5.69	49.77	74.00	-24.23

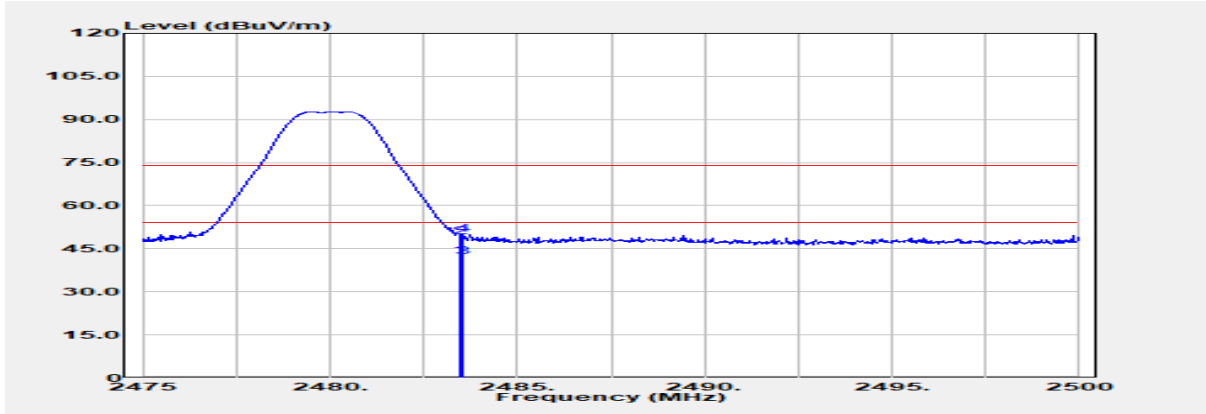
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	48.22	-5.94	42.28	54.00	-11.72
2483.500	Peak	54.88	-5.94	48.94	74.00	-25.06
2483.525	Average	48.08	-5.94	42.14	54.00	-11.86
2483.525	Peak	55.83	-5.94	49.89	74.00	-24.11

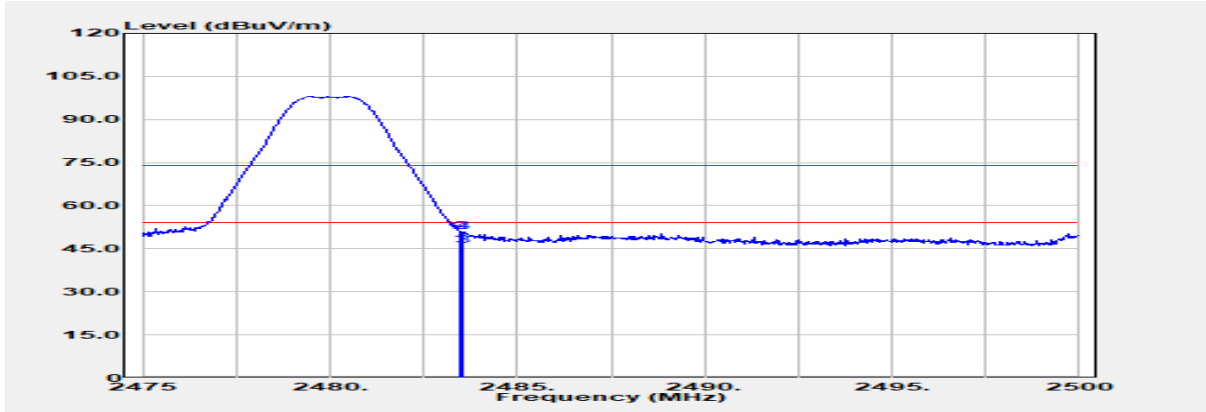
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2480 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-10
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	52.38	-5.94	46.44	54.00	-7.56
2483.500	Peak	56.72	-5.94	50.78	74.00	-23.22
2483.525	Average	51.88	-5.94	45.94	54.00	-8.06
2483.525	Peak	56.88	-5.94	50.94	74.00	-23.06

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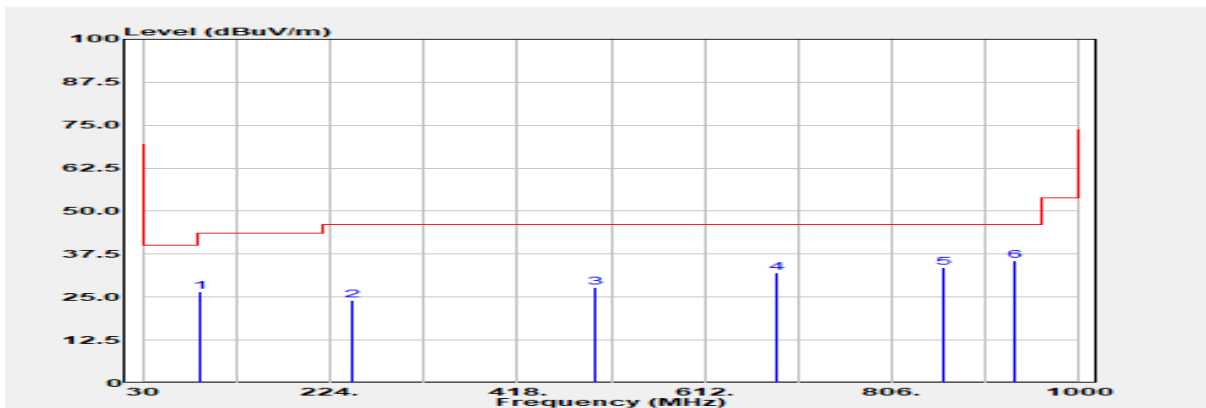
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11.6.2 Radiated Spurious Emission

1XL

Report Number :E2/2022/10036
 Operation Mode :BLE 1M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
89.170	Peak	49.56	-22.99	26.57	43.50	-16.93
246.310	Peak	41.74	-17.77	23.97	46.00	-22.03
497.540	Peak	40.03	-12.09	27.94	46.00	-18.06
687.660	Peak	40.91	-8.92	31.99	46.00	-14.01
859.350	Peak	40.39	-6.74	33.65	46.00	-12.35
933.070	Peak	40.27	-4.64	35.63	46.00	-10.37

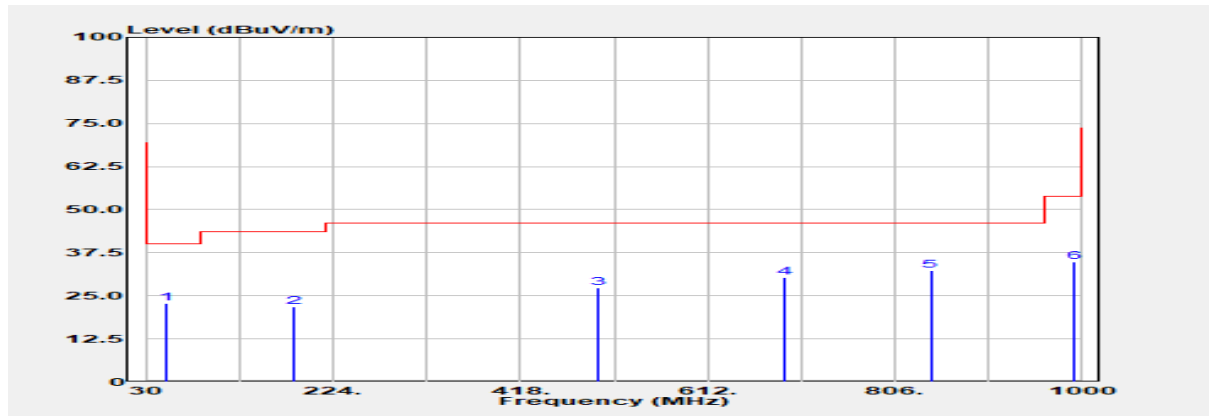
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Report Number :E2/2022/10036
 Operation Mode :BLE 1M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
51.340	Peak	40.22	-17.30	22.92	40.00	-17.08
184.230	Peak	40.34	-18.56	21.79	43.50	-21.71
497.540	Peak	39.47	-12.09	27.38	46.00	-18.62
690.570	Peak	39.45	-9.17	30.28	46.00	-15.72
842.860	Peak	39.12	-6.82	32.30	46.00	-13.70
991.270	Peak	39.38	-4.59	34.79	54.00	-19.21

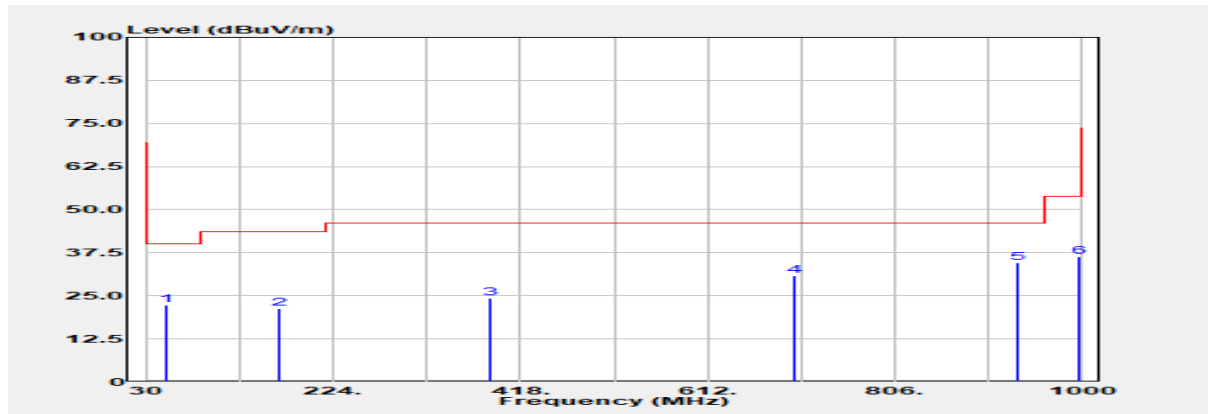
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Report Number :E2/2022/10036
 Operation Mode :BLE 2M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
50.370	Peak	39.67	-17.30	22.38	40.00	-17.62
167.740	Peak	38.01	-16.82	21.19	43.50	-22.31
386.960	Peak	38.04	-13.76	24.29	46.00	-21.71
702.210	Peak	39.53	-8.70	30.83	46.00	-15.17
933.070	Peak	39.27	-4.64	34.63	46.00	-11.37
997.090	Peak	40.64	-4.42	36.22	54.00	-17.78

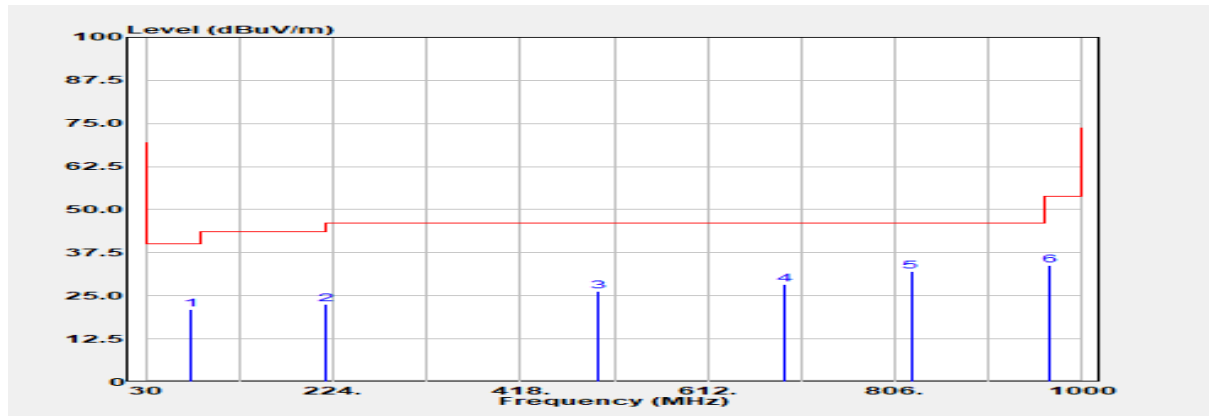
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Report Number :E2/2022/10036
 Operation Mode :BLE 2M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
77.530	Peak	42.55	-21.43	21.12	40.00	-18.88
215.270	Peak	42.48	-20.00	22.49	43.50	-21.01
497.540	Peak	38.47	-12.09	26.38	46.00	-19.62
690.570	Peak	37.45	-9.17	28.28	46.00	-17.72
822.490	Peak	38.42	-6.33	32.09	46.00	-13.91
966.050	Peak	38.14	-4.36	33.78	54.00	-20.22

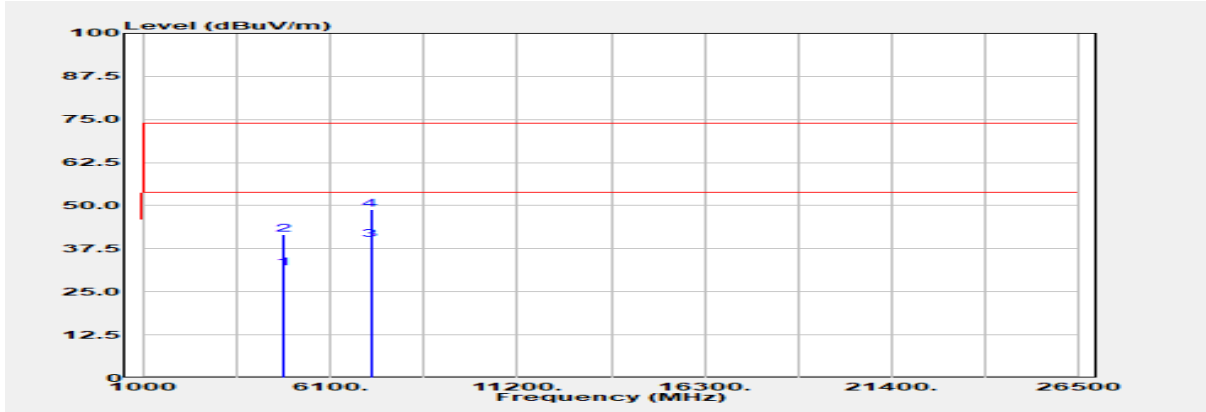
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Report Number :E2/2022/10037
Operation Mode :BLE 1M
Test Frequency :2402 MHz
Test Mode :TX CH LOW
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-14
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	32.12	-0.29	31.84	54.00	-22.16
4804.000	Peak	41.89	-0.29	41.60	74.00	-32.40
7206.000	Average	33.58	6.56	40.14	54.00	-13.86
7206.000	Peak	42.32	6.56	48.88	74.00	-25.12

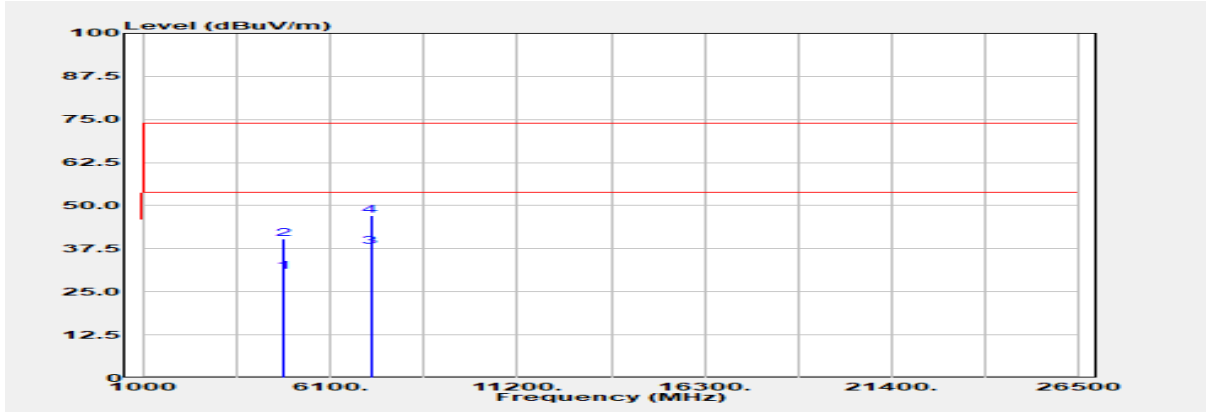
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2402 MHz
 Test Mode :TX CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	31.21	-0.29	30.93	54.00	-23.07
4804.000	Peak	40.63	-0.29	40.34	74.00	-33.66
7206.000	Average	31.44	6.56	38.00	54.00	-16.00
7206.000	Peak	40.51	6.56	47.07	74.00	-26.93

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Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 1M

Test Date :2022-02-14

Test Frequency :2442 MHz

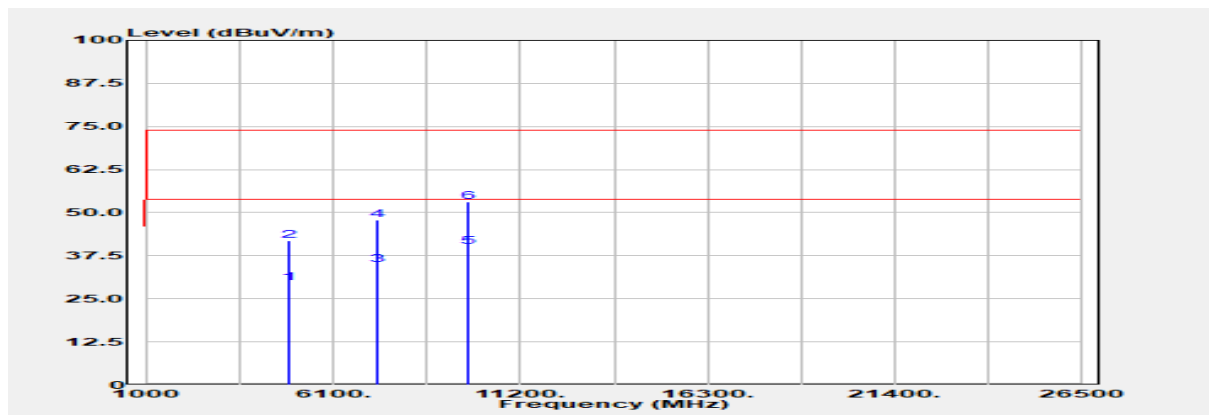
Temp./Humi. :19.8/70

Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	29.95	-0.43	29.52	54.00	-24.48
4884.000	Peak	42.20	-0.43	41.77	74.00	-32.23
7326.000	Average	27.85	7.00	34.85	54.00	-19.15
7326.000	Peak	40.99	7.00	47.99	74.00	-26.01
9768.000	Average	30.19	9.83	40.02	54.00	-13.98
9768.000	Peak	43.32	9.83	53.14	74.00	-20.86

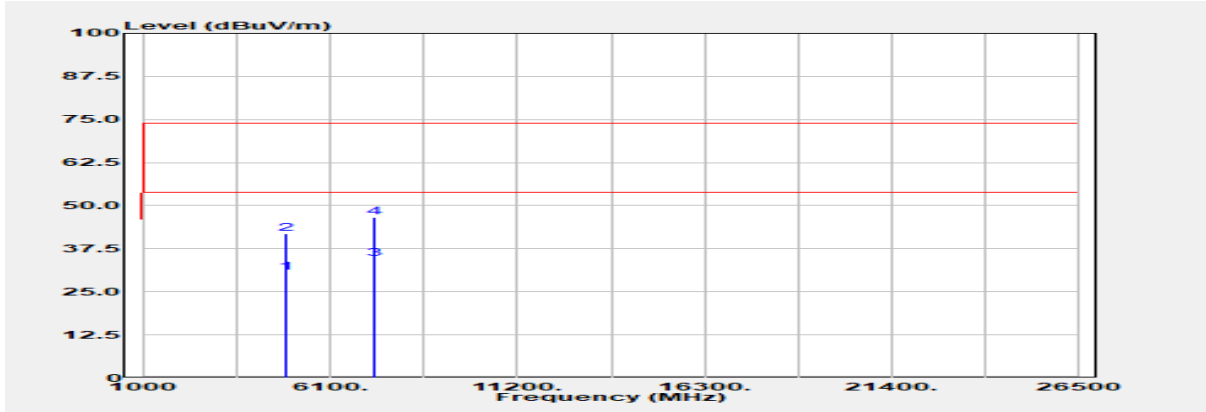
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Report Number :E2/2022/10037
Operation Mode :BLE 1M
Test Frequency :2442 MHz
Test Mode :TX CH MID
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-14
Temp./Humi. :19.8/70
Antenna Pol. :Horizontal
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	30.90	-0.43	30.47	54.00	-23.53
4884.000	Peak	42.30	-0.43	41.87	74.00	-32.13
7326.000	Average	27.65	7.00	34.65	54.00	-19.35
7326.000	Peak	39.65	7.00	46.65	74.00	-27.35

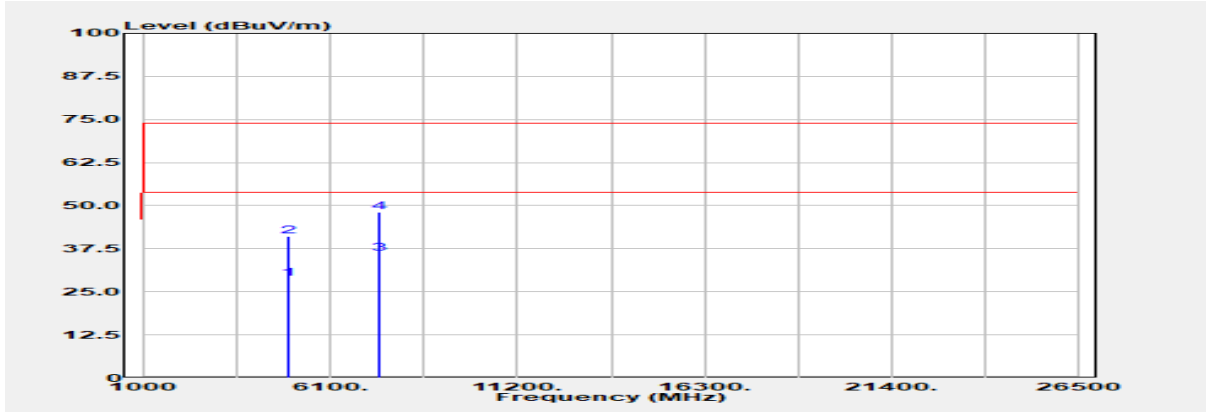
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :TX CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	28.21	0.50	28.71	54.00	-25.29
4960.000	Peak	40.68	0.50	41.18	74.00	-32.82
7440.000	Average	29.40	6.71	36.11	54.00	-17.89
7440.000	Peak	41.37	6.71	48.08	74.00	-25.92

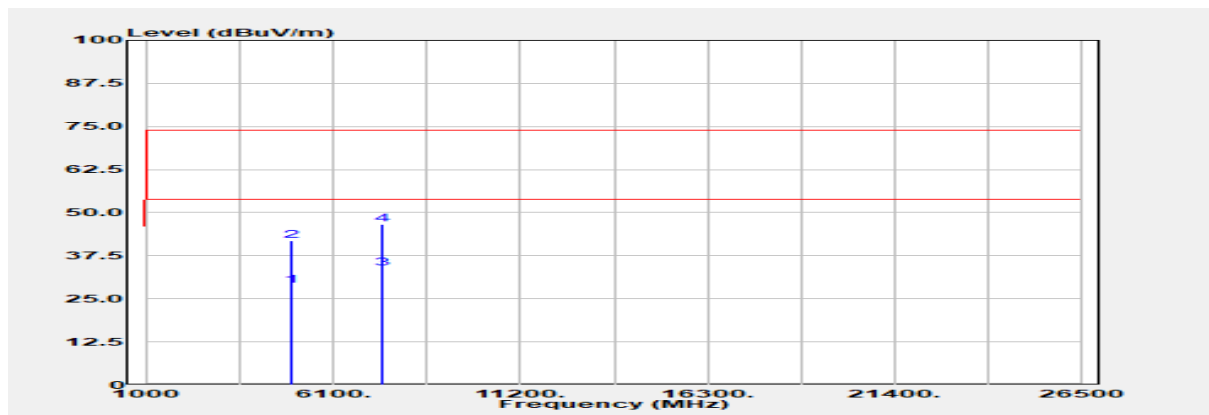
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :TX CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	28.21	0.50	28.71	54.00	-25.29
4960.000	Peak	41.26	0.50	41.75	74.00	-32.25
7440.000	Average	27.24	6.71	33.95	54.00	-20.05
7440.000	Peak	39.85	6.71	46.56	74.00	-27.44

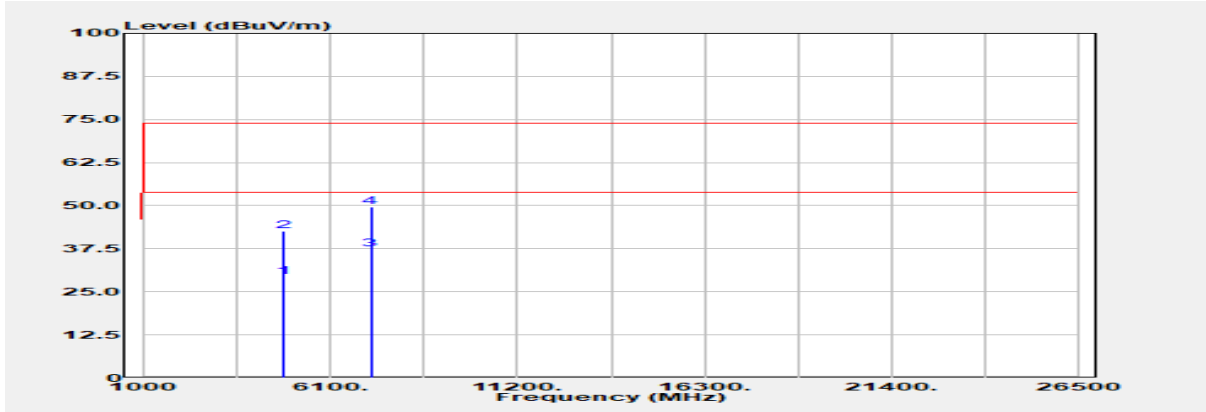
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2402 MHz
 Test Mode :TX CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	29.64	-0.29	29.36	54.00	-24.64
4804.000	Peak	42.86	-0.29	42.57	74.00	-31.43
7206.000	Average	30.88	6.56	37.44	54.00	-16.56
7206.000	Peak	43.18	6.56	49.75	74.00	-24.25

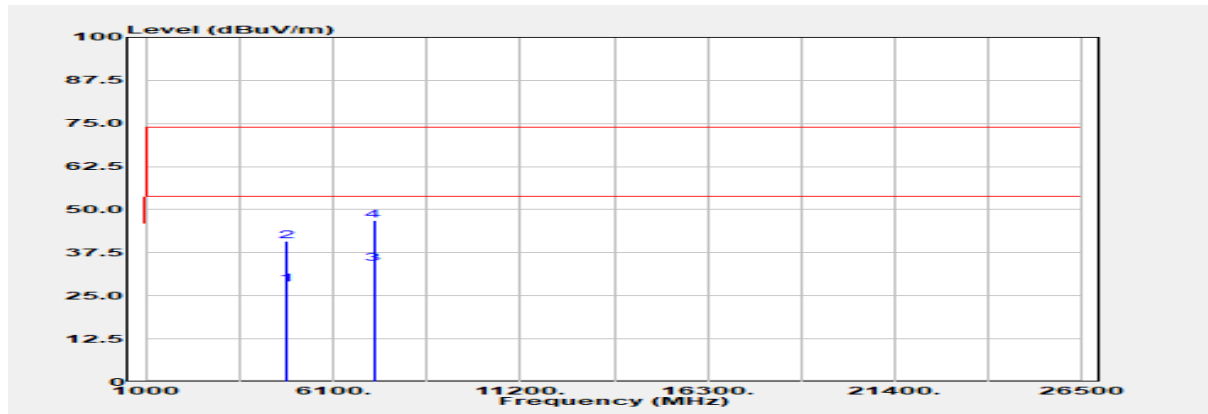
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2402 MHz
 Test Mode :TX CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	28.54	-0.29	28.25	54.00	-25.75
4804.000	Peak	41.24	-0.29	40.95	74.00	-33.05
7206.000	Average	27.77	6.56	34.33	54.00	-19.67
7206.000	Peak	40.40	6.56	46.96	74.00	-27.04

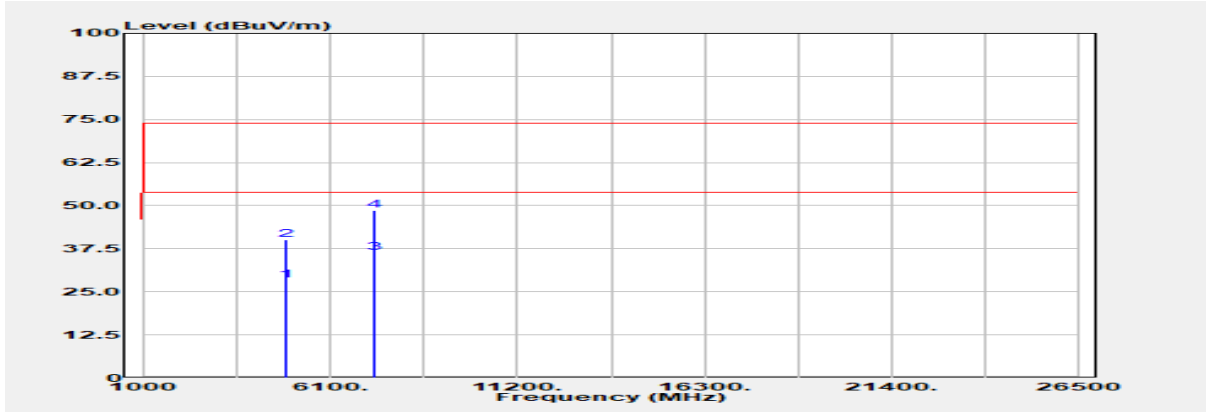
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	28.86	-0.43	28.42	54.00	-25.58
4884.000	Peak	40.63	-0.43	40.20	74.00	-33.80
7326.000	Average	29.33	7.00	36.33	54.00	-17.67
7326.000	Peak	41.55	7.00	48.55	74.00	-25.45

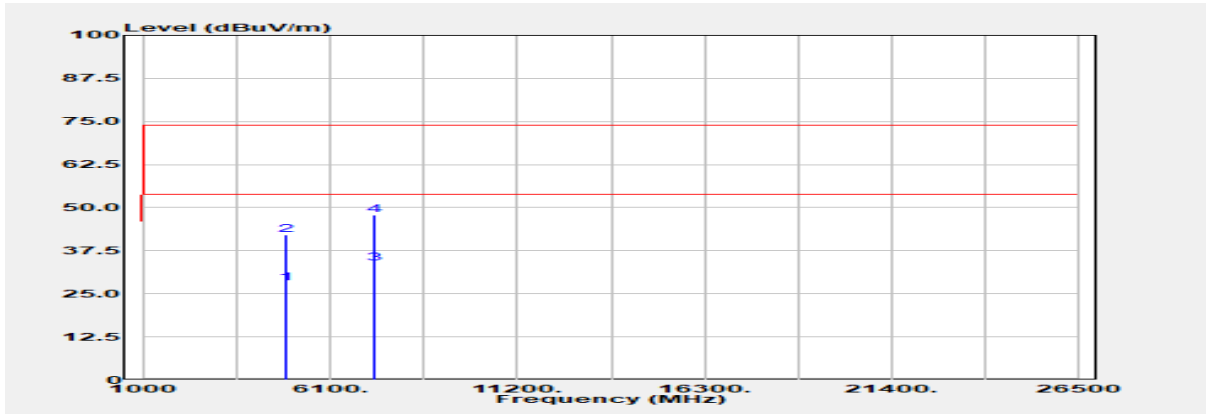
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Report Number :E2/2022/10037
Operation Mode :BLE 2M
Test Frequency :2442 MHz
Test Mode :TX CH MID
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-14
Temp./Humi. :19.8/70
Antenna Pol. :Horizontal
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	28.55	-0.43	28.11	54.00	-25.89
4884.000	Peak	42.61	-0.43	42.18	74.00	-31.82
7326.000	Average	26.80	7.00	33.80	54.00	-20.20
7326.000	Peak	40.79	7.00	47.79	74.00	-26.21

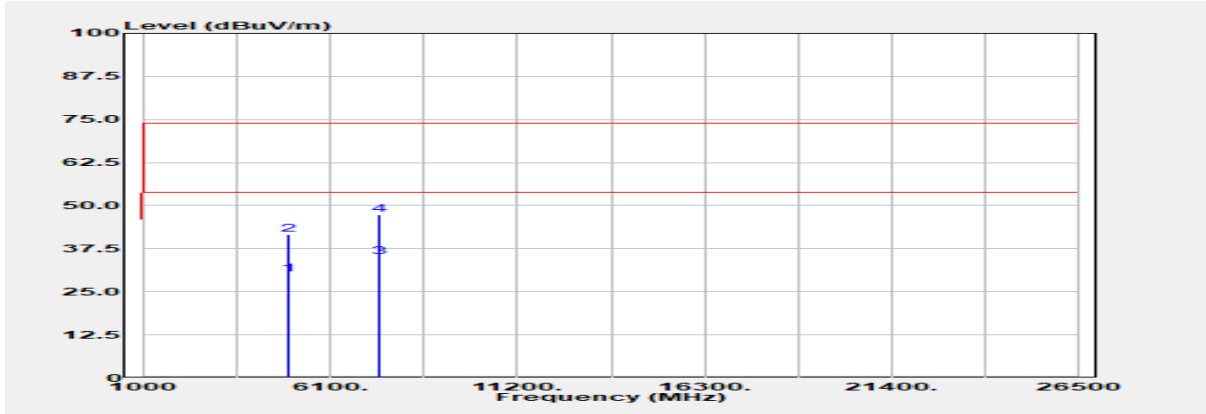
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2480 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-14
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	29.46	0.50	29.95	54.00	-24.05
4960.000	Peak	41.05	0.50	41.54	74.00	-32.46
7440.000	Average	28.33	6.71	35.04	54.00	-18.96
7440.000	Peak	40.76	6.71	47.46	74.00	-26.54

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Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 2M

Test Date :2022-02-14

Test Frequency :2480 MHz

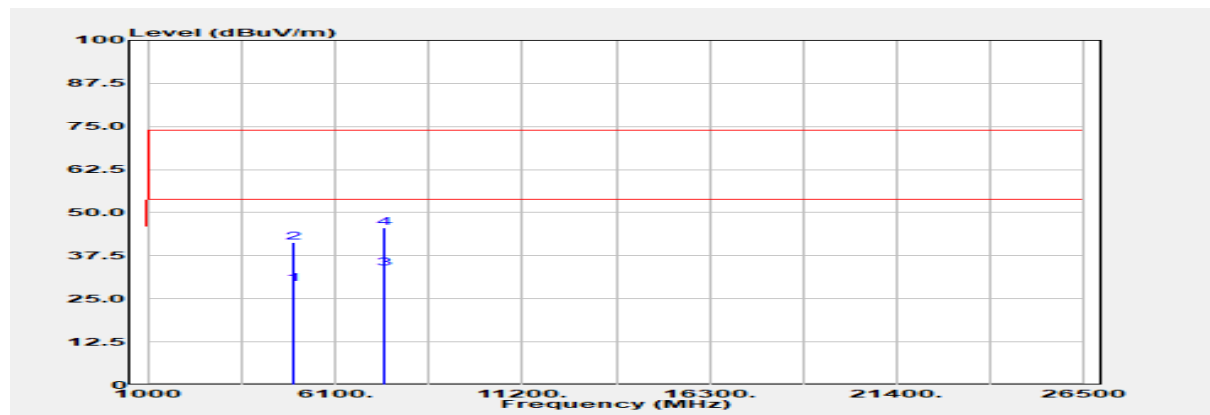
Temp./Humi. :19.8/70

Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	28.86	0.50	29.36	54.00	-24.64
4960.000	Peak	40.73	0.50	41.23	74.00	-32.77
7440.000	Average	27.13	6.71	33.84	54.00	-20.16
7440.000	Peak	38.94	6.71	45.65	74.00	-28.35

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2XS

Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 1M

Test Date :2022-03-31

Test Frequency :2442 MHz

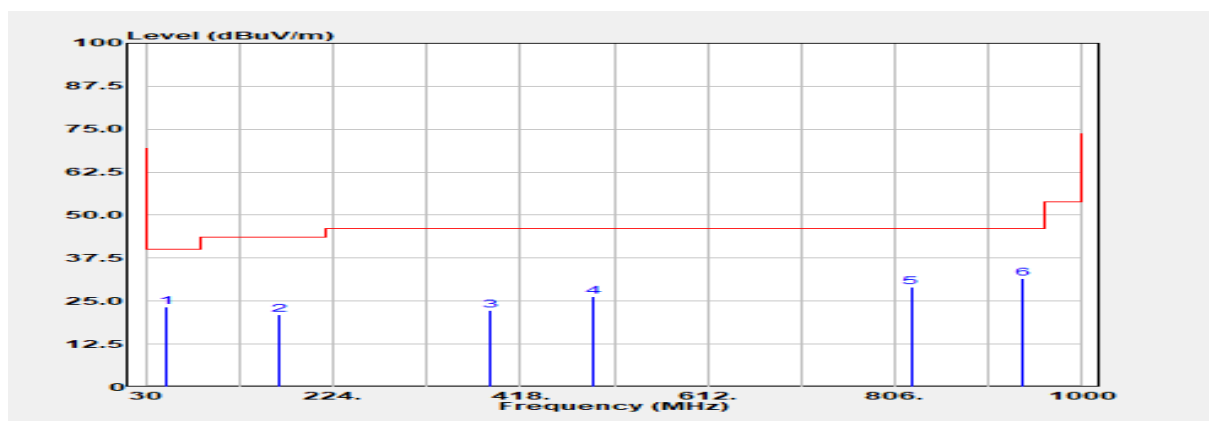
Temp./Humi. :19.8/70

Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
50.370	Peak	40.71	-17.30	23.41	40.00	-16.59
167.740	Peak	37.87	-16.82	21.06	43.50	-22.44
385.990	Peak	36.13	-13.79	22.34	46.00	-23.66
494.630	Peak	38.58	-12.28	26.30	46.00	-19.70
822.490	Peak	35.47	-6.33	29.14	46.00	-16.86
937.920	Peak	36.14	-4.49	31.65	46.00	-14.35

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Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 1M

Test Date :2022-03-31

Test Frequency :2442 MHz

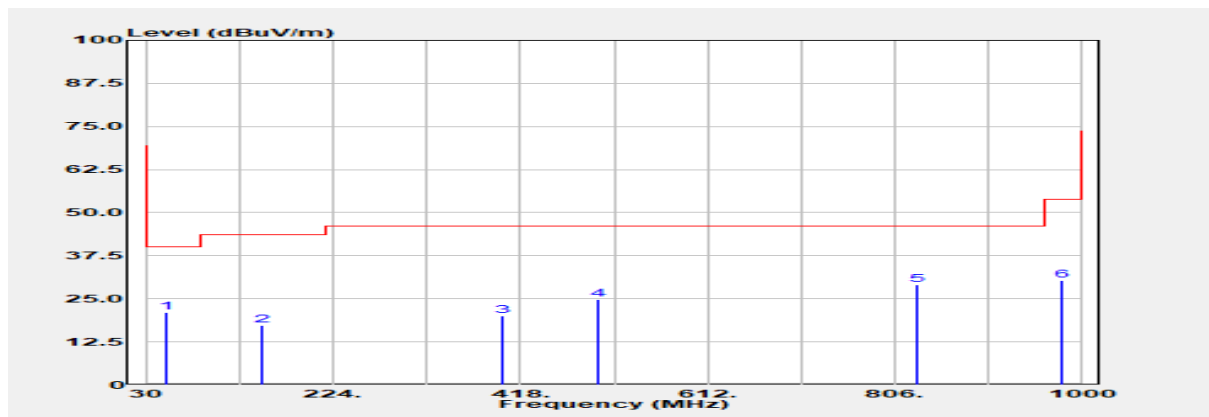
Temp./Humi. :19.8/70

Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
50.370	Peak	38.41	-17.30	21.11	40.00	-18.89
151.250	Peak	33.86	-16.53	17.33	43.50	-26.17
398.600	Peak	33.61	-13.51	20.10	46.00	-25.90
497.540	Peak	36.89	-12.09	24.80	46.00	-21.20
828.310	Peak	35.35	-6.29	29.07	46.00	-16.93
979.630	Peak	35.06	-4.66	30.40	54.00	-23.60

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Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 2M

Test Date :2022-03-31

Test Frequency :2442 MHz

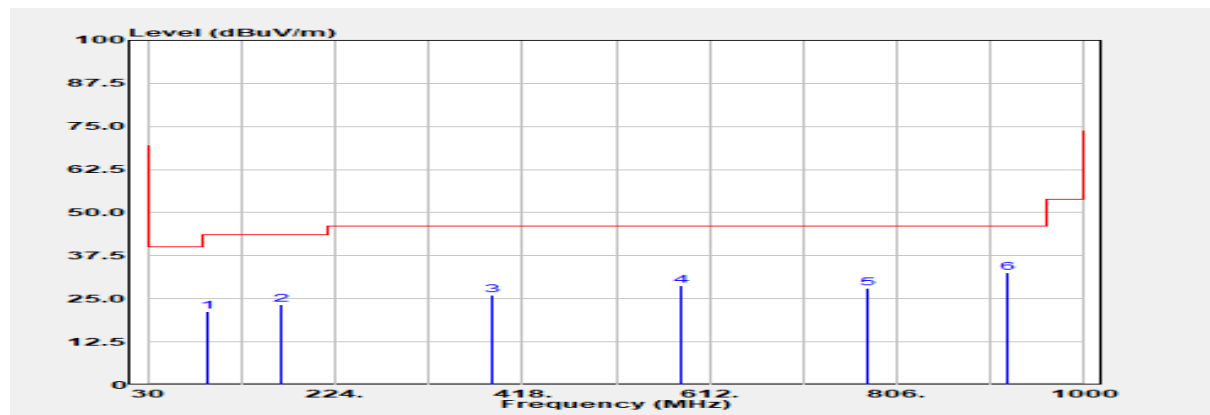
Temp./Humi. :19.8/70

Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
93.050	Peak	43.87	-22.48	21.39	43.50	-22.11
167.740	Peak	40.05	-16.82	23.24	43.50	-20.26
386.960	Peak	39.78	-13.76	26.02	46.00	-19.98
581.930	Peak	39.35	-10.45	28.90	46.00	-17.10
775.930	Peak	34.80	-6.70	28.10	46.00	-17.90
919.490	Peak	37.64	-4.93	32.71	46.00	-13.29

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Report Number :E2/2022/10037

Test Site :SAC D

Operation Mode :BLE 2M

Test Date :2022-03-31

Test Frequency :2442 MHz

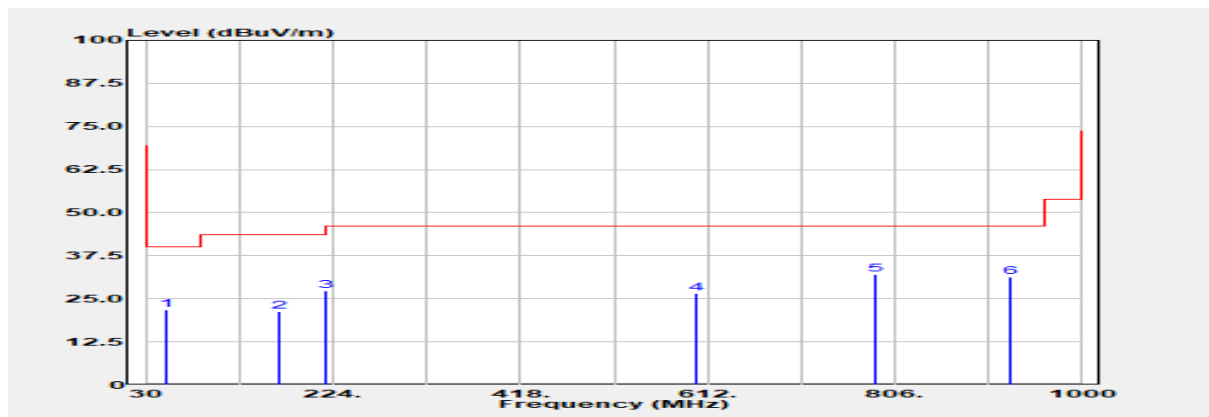
Temp./Humi. :19.8/70

Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
50.370	Peak	39.08	-17.30	21.79	40.00	-18.21
167.740	Peak	38.02	-16.82	21.20	43.50	-22.30
216.240	Peak	47.26	-19.99	27.27	46.00	-18.73
600.360	Peak	36.22	-9.63	26.59	46.00	-19.41
785.630	Peak	38.73	-6.74	31.99	46.00	-14.01
924.340	Peak	36.24	-4.81	31.43	46.00	-14.57

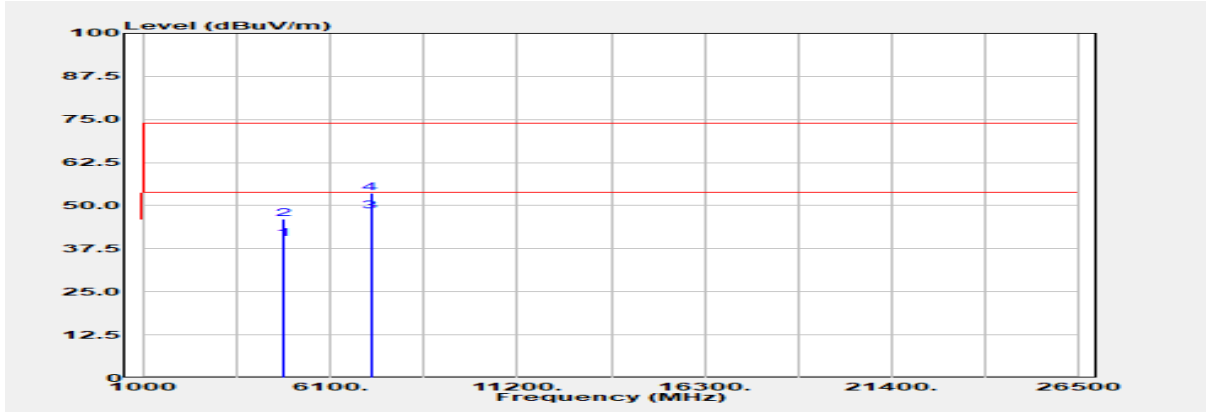
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2402 MHz
 Test Mode :TX CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	40.70	-0.29	40.42	54.00	-13.58
4804.000	Peak	46.40	-0.29	46.11	74.00	-27.89
7206.000	Average	41.69	6.56	48.25	54.00	-5.75
7206.000	Peak	47.08	6.56	53.65	74.00	-20.35

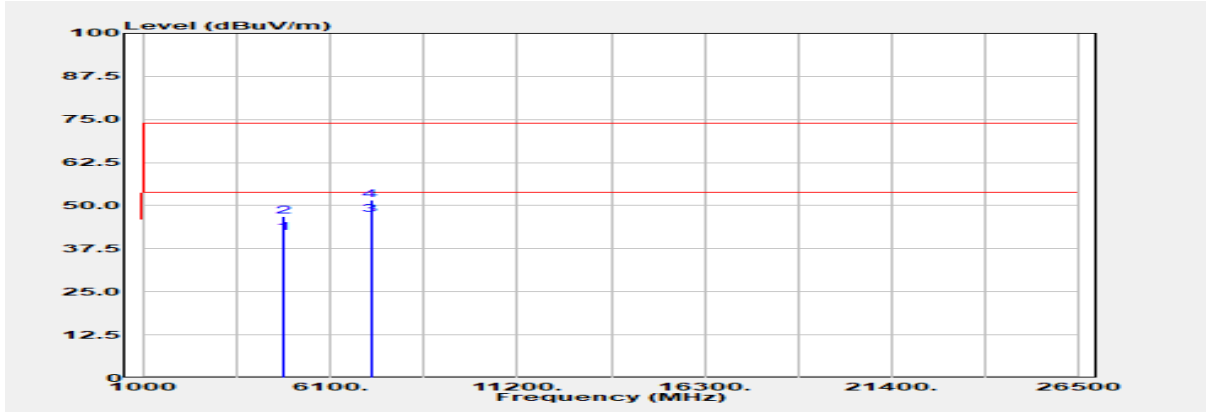
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2402 MHz
 Test Mode :TX CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	42.49	-0.29	42.21	54.00	-11.79
4804.000	Peak	47.07	-0.29	46.78	74.00	-27.22
7206.000	Average	40.69	6.56	47.25	54.00	-6.75
7206.000	Peak	45.02	6.56	51.59	74.00	-22.41

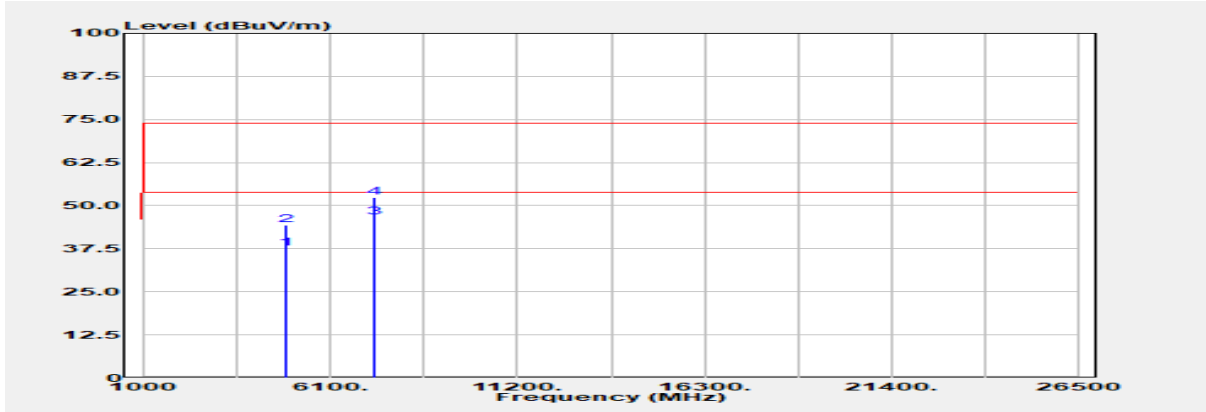
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	38.15	-0.43	37.72	54.00	-16.28
4884.000	Peak	44.72	-0.43	44.29	74.00	-29.71
7326.000	Average	39.73	7.00	46.73	54.00	-7.27
7326.000	Peak	45.44	7.00	52.44	74.00	-21.56

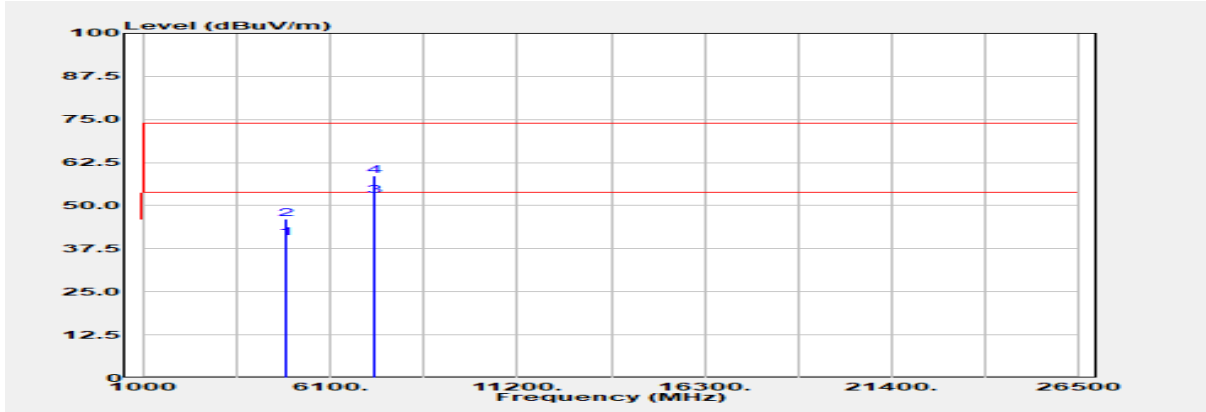
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Report Number :E2/2022/10037
 Operation Mode :BLE 1M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	41.03	-0.43	40.60	54.00	-13.40
4884.000	Peak	46.56	-0.43	46.13	74.00	-27.87
7326.000	Average	45.98	7.00	52.98	54.00	-1.02
7326.000	Peak	51.66	7.00	58.66	74.00	-15.34

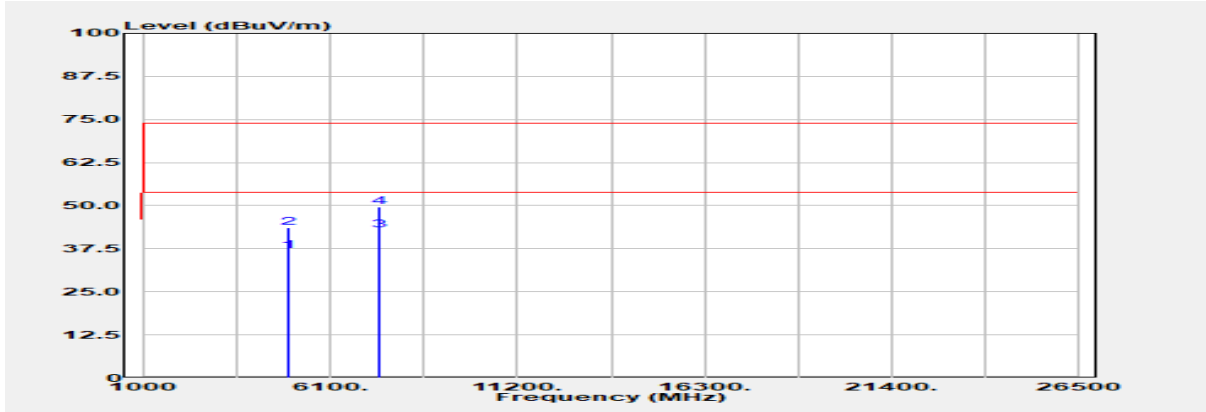
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Report Number :E2/2022/10037
Operation Mode :BLE 1M
Test Frequency :2480 MHz
Test Mode :TX CH HIGH
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-11
Temp./Humi. :20/70
Antenna Pol. :Vertical
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	36.42	0.50	36.92	54.00	-17.08
4960.000	Peak	43.14	0.50	43.63	74.00	-30.37
7440.000	Average	36.12	6.71	42.83	54.00	-11.17
7440.000	Peak	42.92	6.71	49.62	74.00	-24.38

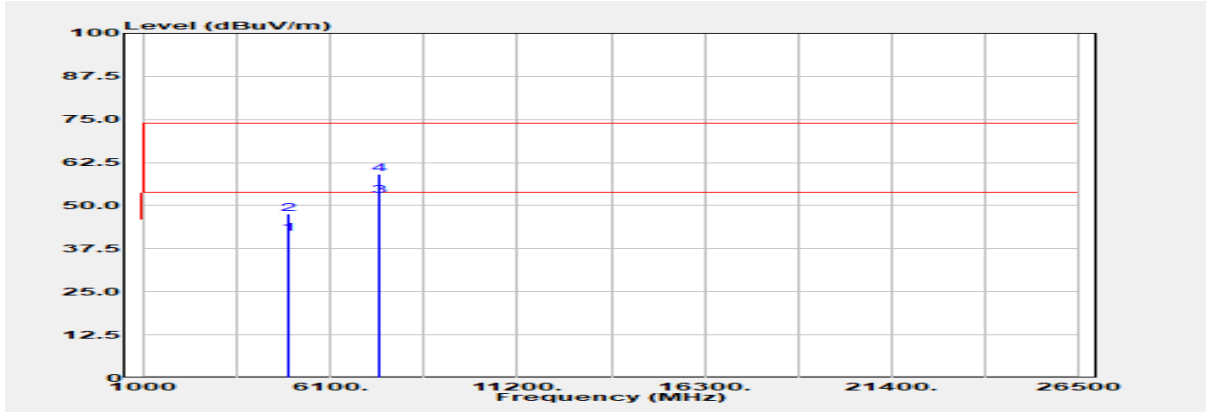
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 Test Frequency :2480 MHz
 Test Mode :TX CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	41.32	0.50	41.81	54.00	-12.19
4960.000	Peak	47.20	0.50	47.70	74.00	-26.30
7440.000	Average	46.20	6.71	52.91	54.00	-1.09
7440.000	Peak	52.36	6.71	59.07	74.00	-14.93

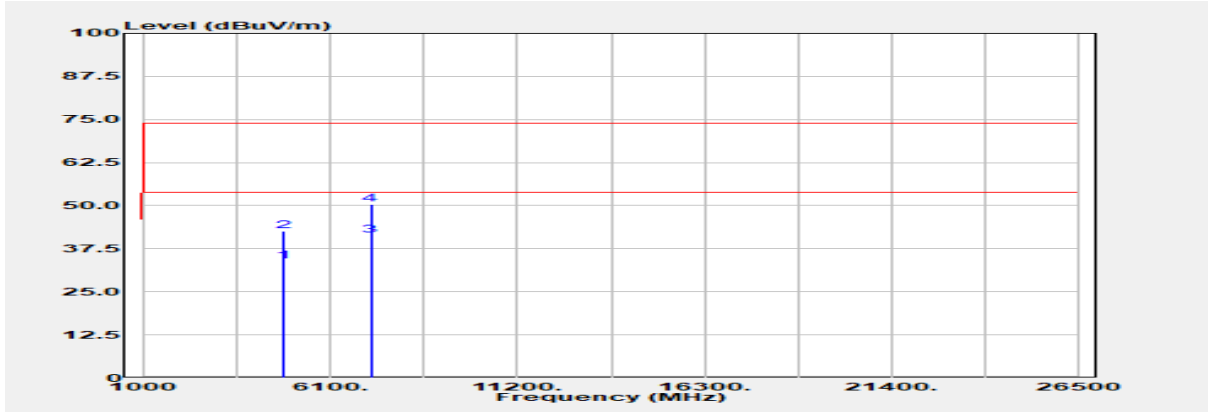
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Report Number :E2/2022/10037
Operation Mode :BLE 2M
Test Frequency :2402 MHz
Test Mode :TX CH LOW
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-11
Temp./Humi. :20/70
Antenna Pol. :Vertical
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	34.07	-0.29	33.79	54.00	-20.21
4804.000	Peak	43.02	-0.29	42.73	74.00	-31.27
7206.000	Average	34.71	6.56	41.27	54.00	-12.73
7206.000	Peak	43.88	6.56	50.44	74.00	-23.56

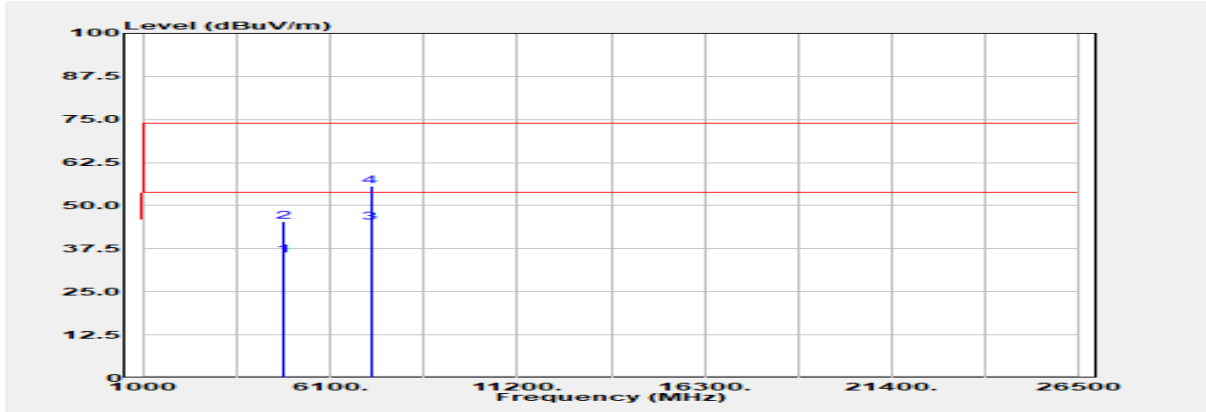
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 Operation Mode :BLE 2M
 Test Frequency :2402 MHz
 Test Mode :TX CH LOW
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Average	35.97	-0.29	35.68	54.00	-18.32
4804.000	Peak	45.76	-0.29	45.47	74.00	-28.53
7206.000	Average	38.59	6.56	45.15	54.00	-8.85
7206.000	Peak	48.99	6.56	55.56	74.00	-18.44

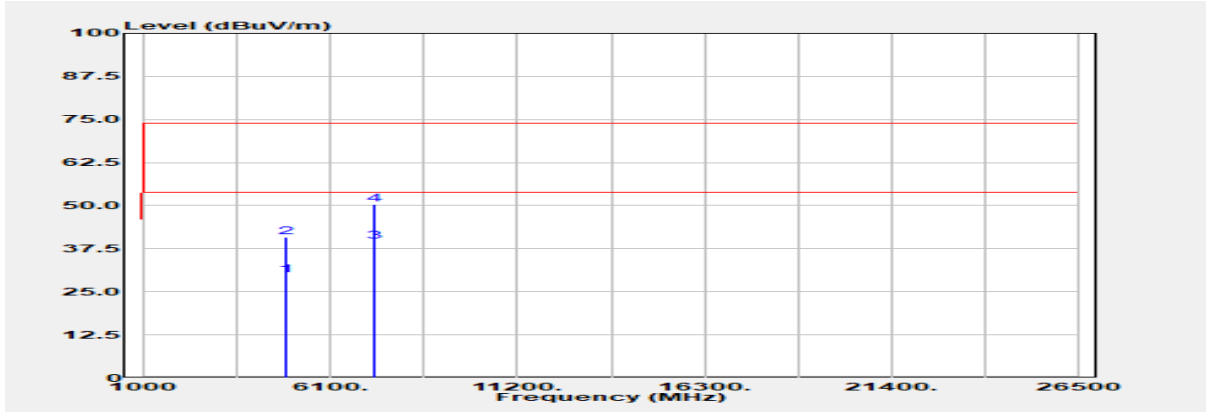
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	30.35	-0.43	29.92	54.00	-24.08
4884.000	Peak	41.34	-0.43	40.91	74.00	-33.09
7326.000	Average	32.56	7.00	39.56	54.00	-14.44
7326.000	Peak	43.29	7.00	50.29	74.00	-23.71

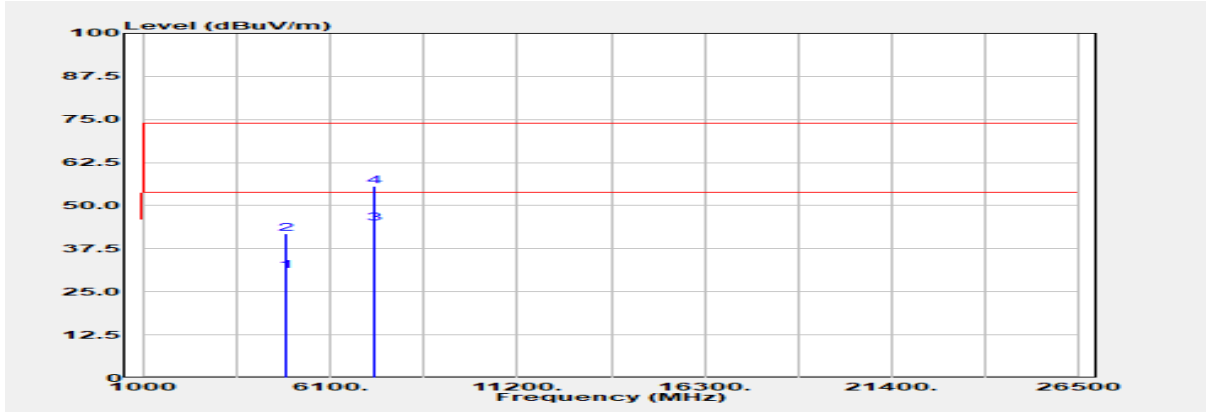
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2442 MHz
 Test Mode :TX CH MID
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4884.000	Average	31.46	-0.43	31.02	54.00	-22.98
4884.000	Peak	42.36	-0.43	41.93	74.00	-32.07
7326.000	Average	37.85	7.00	44.85	54.00	-9.15
7326.000	Peak	48.52	7.00	55.52	74.00	-18.48

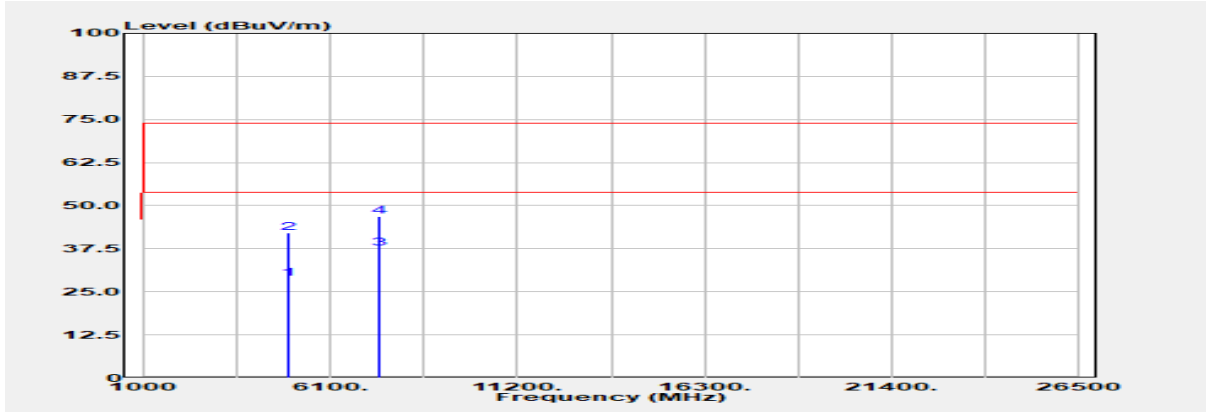
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Report Number :E2/2022/10037
 Operation Mode :BLE 2M
 Test Frequency :2480 MHz
 Test Mode :TX CH HIGH
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-02-11
 Temp./Humi. :20/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	28.39	0.50	28.88	54.00	-25.12
4960.000	Peak	41.56	0.50	42.06	74.00	-31.94
7440.000	Average	30.94	6.71	37.65	54.00	-16.35
7440.000	Peak	40.20	6.71	46.90	74.00	-27.10

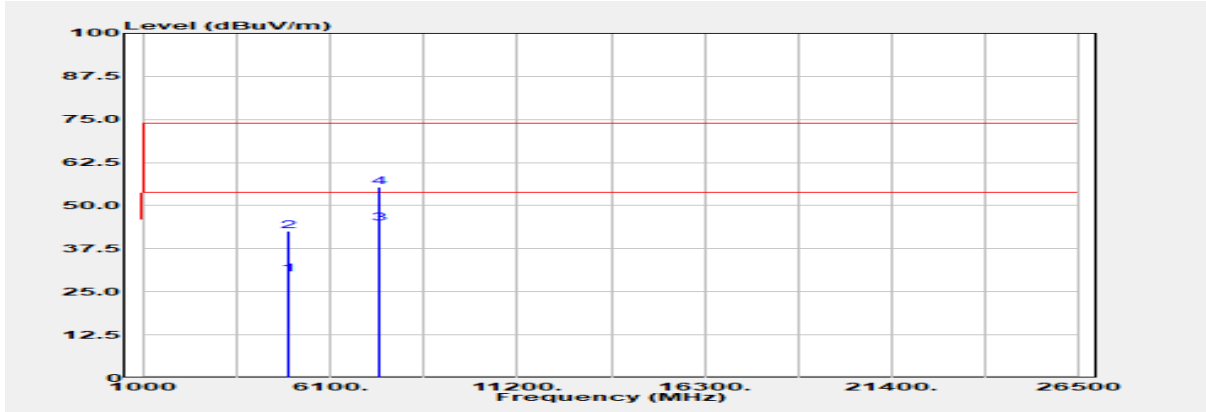
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Report Number :E2/2022/10037
Operation Mode :BLE 2M
Test Frequency :2480 MHz
Test Mode :TX CH HIGH
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2022-02-11
Temp./Humi. :20/70
Antenna Pol. :Horizontal
Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Average	29.50	0.50	30.00	54.00	-24.00
4960.000	Peak	42.11	0.50	42.61	74.00	-31.39
7440.000	Average	38.07	6.71	44.78	54.00	-9.22
7440.000	Peak	48.66	6.71	55.36	74.00	-18.64

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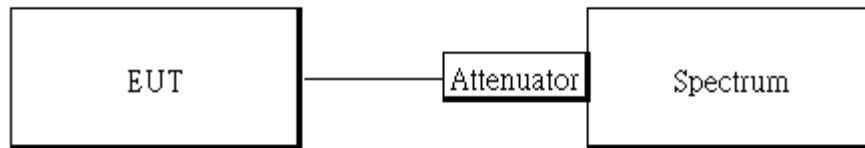
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12 POWER SPECTRAL DENSITY

12.1 Standard Applicable:

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

12.2 Test Setup



12.3 Measurement Procedure:

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz. & the VBW = 10 kHz
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

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12.4 Measurement Result:

1XL

BLE 1M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-12.230	8	PASS
2442	-12.290	8	PASS
2480	-12.360	8	PASS

NOTE: cable loss as 10.6dB that offsets in the spectrum

BLE 2M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-17.720	8	PASS
2442	-17.800	8	PASS
2480	-18.060	8	PASS

NOTE: cable loss as 10.6dB that offsets in the spectrum

2XS

BLE 1M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-9.680	8	PASS
2442	-9.760	8	PASS
2480	-10.020	8	PASS

NOTE: cable loss as 10.6dB that offsets in the spectrum

BLE 2M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-13.750	8	PASS
2442	-13.940	8	PASS
2480	-14.200	8	PASS

NOTE: cable loss as 10.6dB that offsets in the spectrum

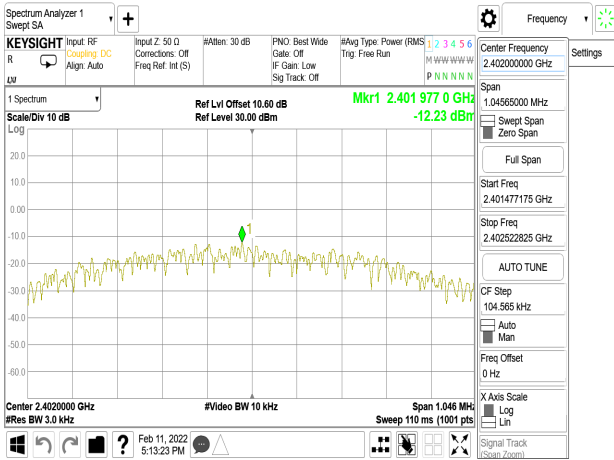
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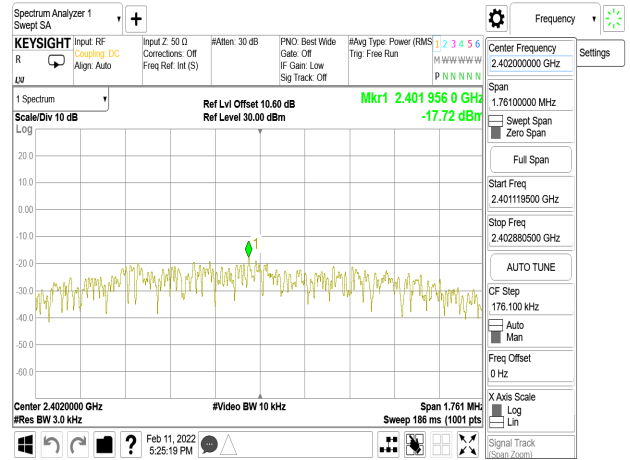
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1XL

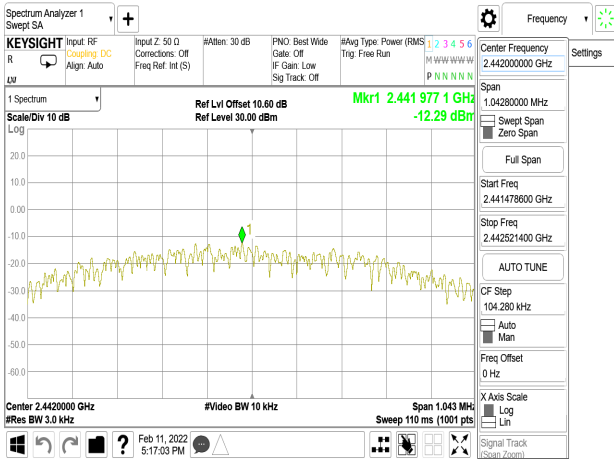
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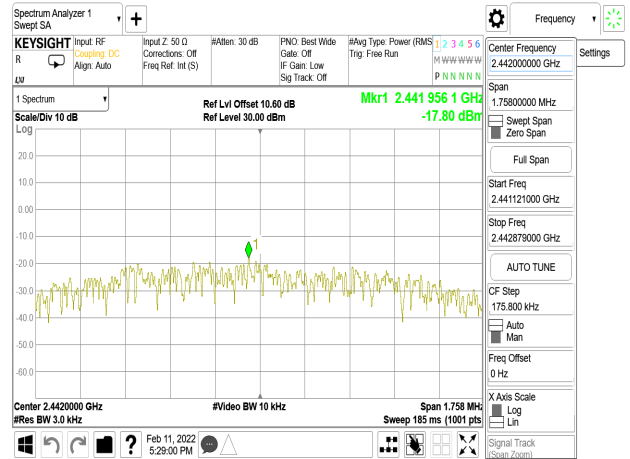
PSD_BLE 2M_LowCH00-2402MHz



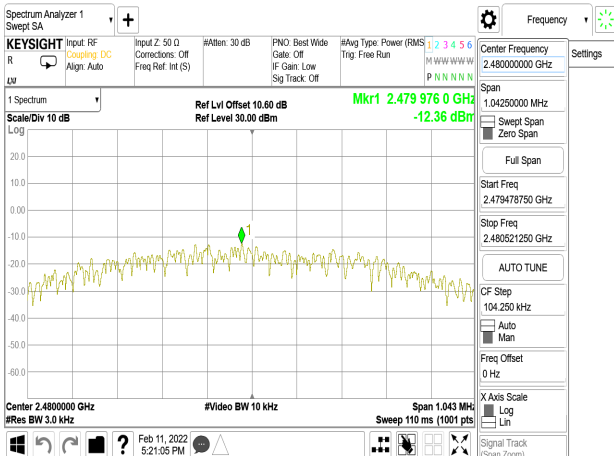
PSD_BLE 1M_MidCH20-2442MHz



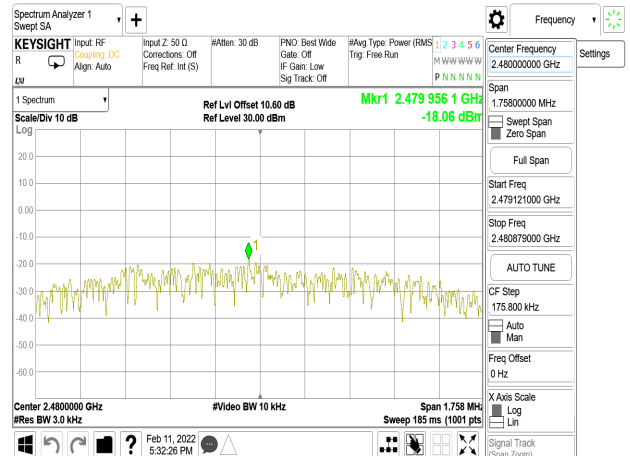
PSD_BLE 2M_MidCH20-2442MHz



PSD_BLE 1M_HighCH39-2480MHz



PSD_BLE 2M_HighCH39-2480MHz



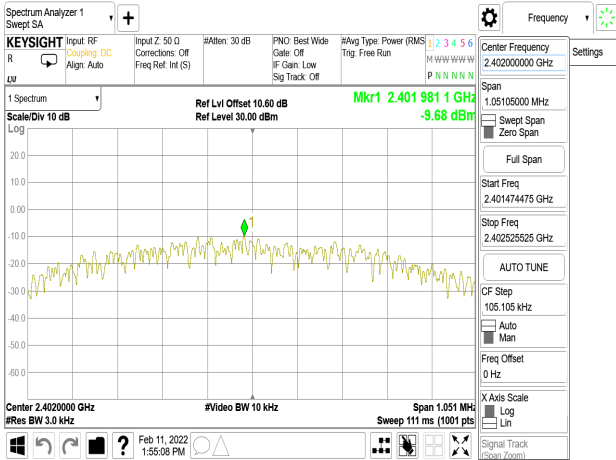
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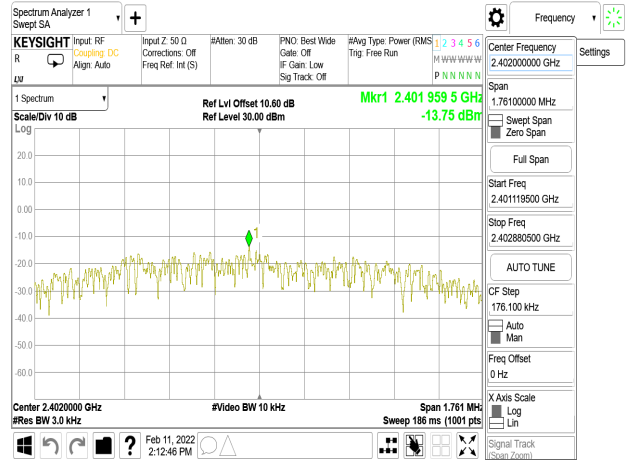
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2XS

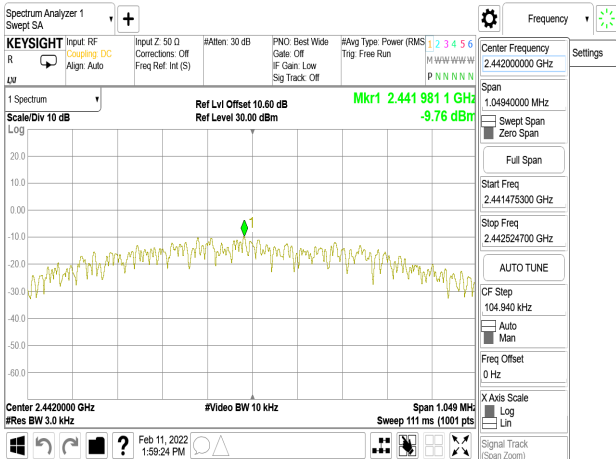
PSD_BLE 1M_LowCH00-2402MHz



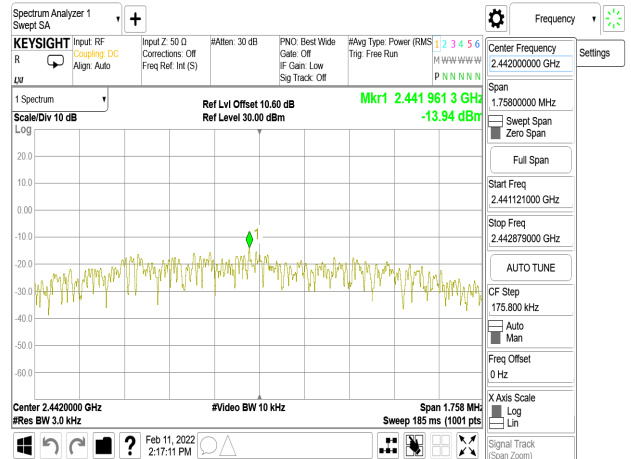
PSD_BLE 2M_LowCH00-2402MHz



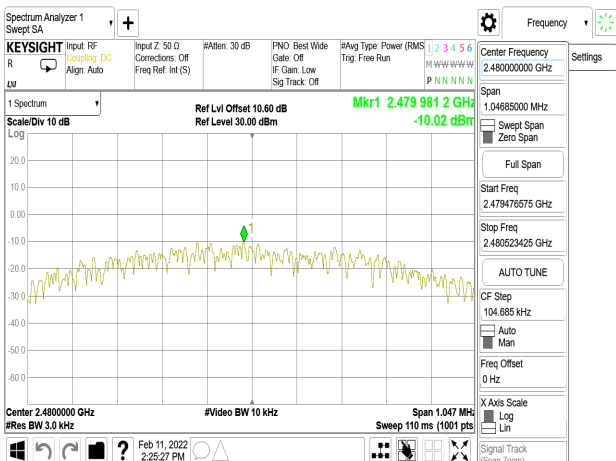
PSD_BLE 1M_MidCH20-2442MHz



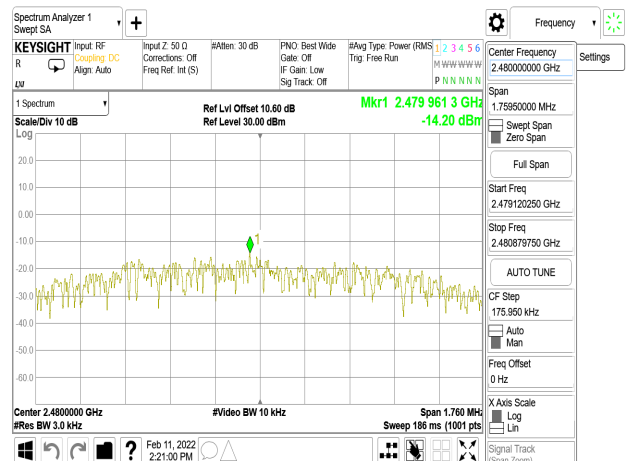
PSD_BLE 2M_MidCH20-2442MHz



PSD_BLE 1M_HighCH39-2480MHz



PSD_BLE 2M_HighCH39-2480MHz



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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13 ANTENNA REQUIREMENT

13.1 Standard Applicable:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

13.2 Antenna Connected Construction:

The antenna is designed with unique RF connector and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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