



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 $20 \cdot \log(uV/m)$

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) was not reported.

11.6 Measurement Result

Note:

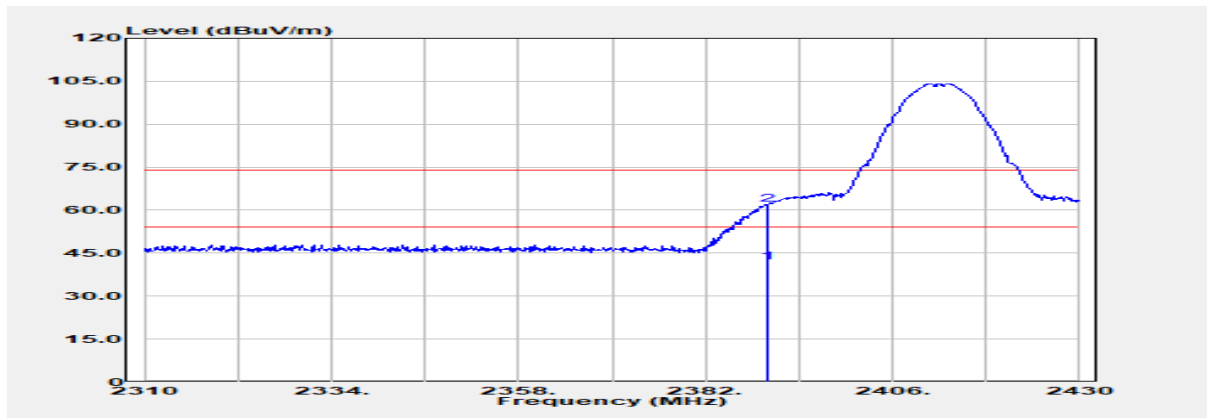
1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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11.6.1 Radiated Band Edge Measurement Result

Report Number	:TERF2207001114E2	Test Site	:SAC D
Operation Mode	:802.11b	Test Date	:2022-09-08
Test Frequency	:2412 MHz	Temp./Humi.	:24.3/62
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Howard Huang



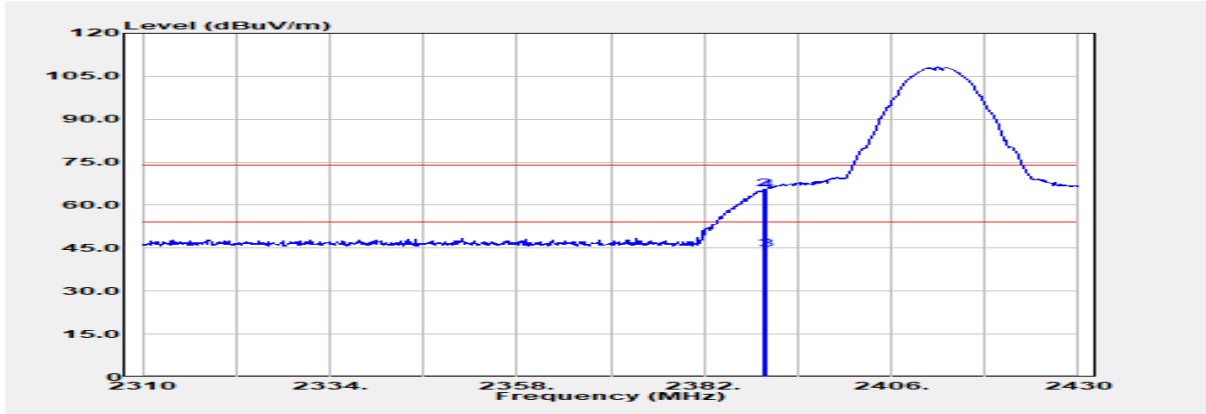
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2390.000	Average	47.54	-5.69	41.85	54.00	-12.15
2390.000	Peak	67.68	-5.69	61.99	74.00	-12.01

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 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.800	Average	50.53	-5.69	44.84	54.00	-9.16
2389.800	Peak	71.28	-5.69	65.59	74.00	-8.41
2390.000	Average	50.21	-5.69	44.52	54.00	-9.48
2390.000	Peak	71.09	-5.69	65.40	74.00	-8.60

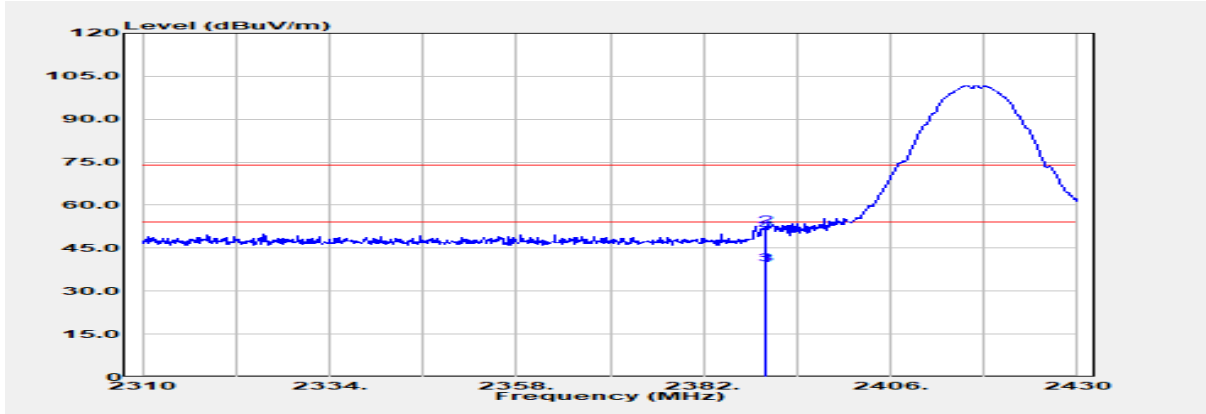
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-10-03
 Temp./Humi. :23.7/60
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.920	Average	44.83	-5.69	39.14	54.00	-14.86
2389.920	Peak	58.44	-5.69	52.75	74.00	-21.25
2390.000	Average	45.05	-5.69	39.36	54.00	-14.64
2390.000	Peak	56.66	-5.69	50.97	74.00	-23.03

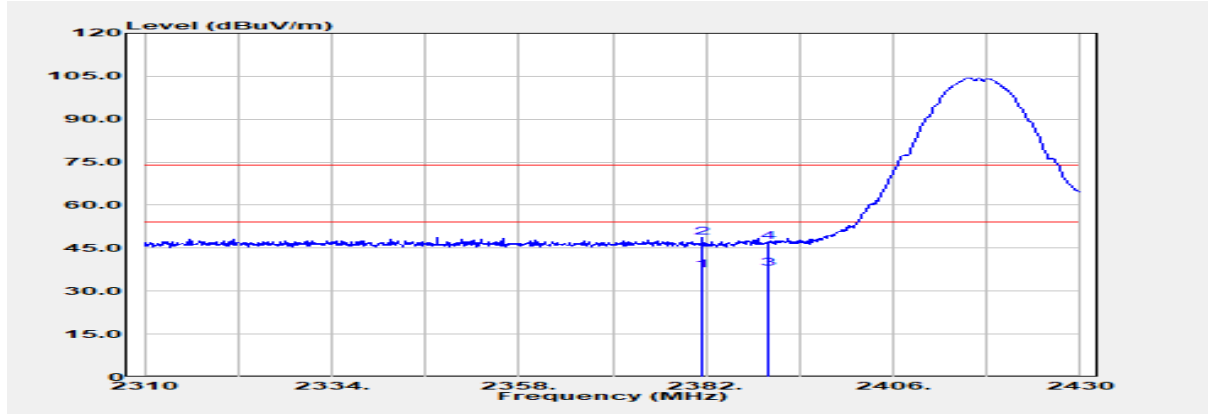
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 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-10-03
 Temp./Humi. :23.7/60
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2381.520	Average	42.84	-5.66	37.18	54.00	-16.82
2381.520	Peak	54.51	-5.66	48.85	74.00	-25.15
2390.000	Average	43.65	-5.69	37.95	54.00	-16.05
2390.000	Peak	52.85	-5.69	47.16	74.00	-26.84

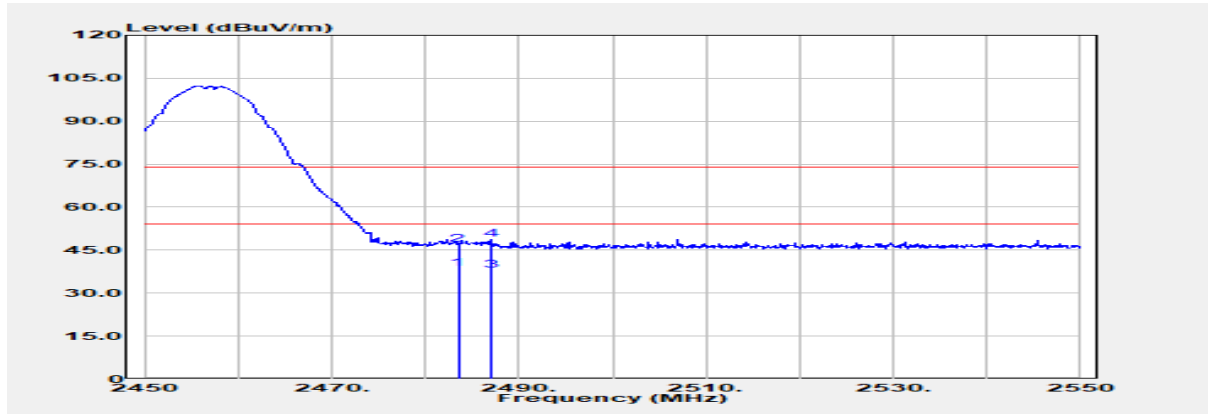
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-10-03
 Temp./Humi. :23.7/60
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	44.35	-5.94	38.41	54.00	-15.59
2483.500	Peak	52.81	-5.94	46.87	74.00	-27.13
2487.000	Average	43.81	-5.95	37.86	54.00	-16.14
2487.000	Peak	54.60	-5.95	48.65	74.00	-25.35

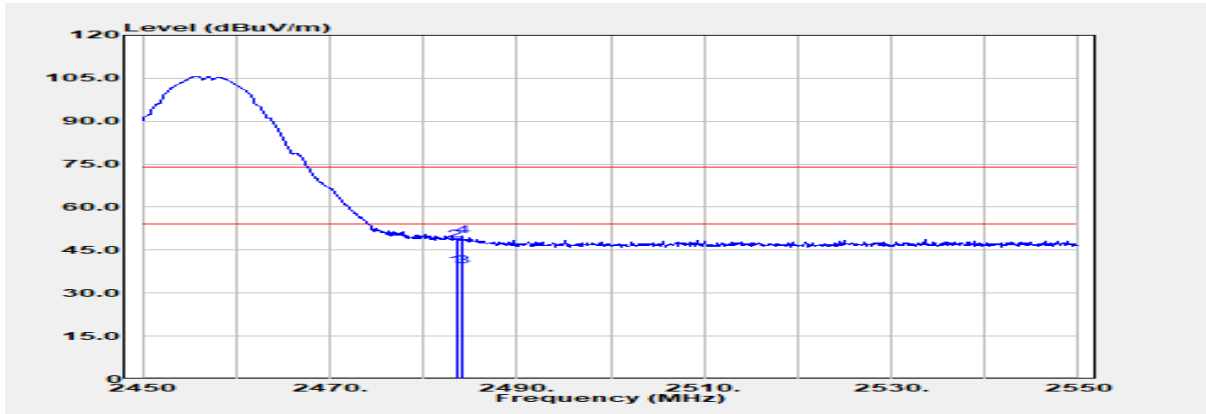
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-10-03
 Temp./Humi. :23.7/60
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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	45.27	-5.94	39.33	54.00	-14.67
2483.500	Peak	54.28	-5.94	48.34	74.00	-25.66
2484.100	Average	45.33	-5.94	39.39	54.00	-14.61
2484.100	Peak	55.74	-5.94	49.80	74.00	-24.20

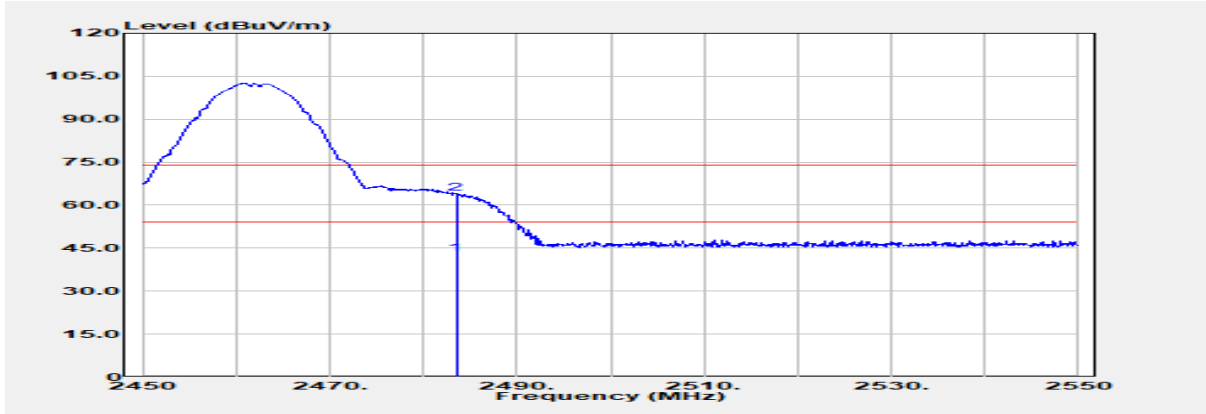
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 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	48.83	-5.94	42.89	54.00	-11.11
2483.500	Peak	69.91	-5.94	63.97	74.00	-10.03

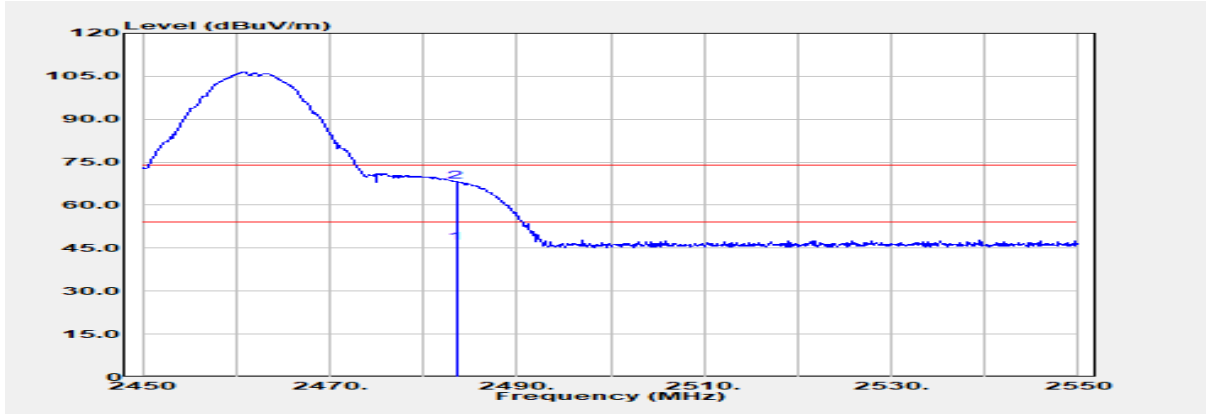
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 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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	52.97	-5.94	47.03	54.00	-6.97
2483.500	Peak	74.24	-5.94	68.30	74.00	-5.70

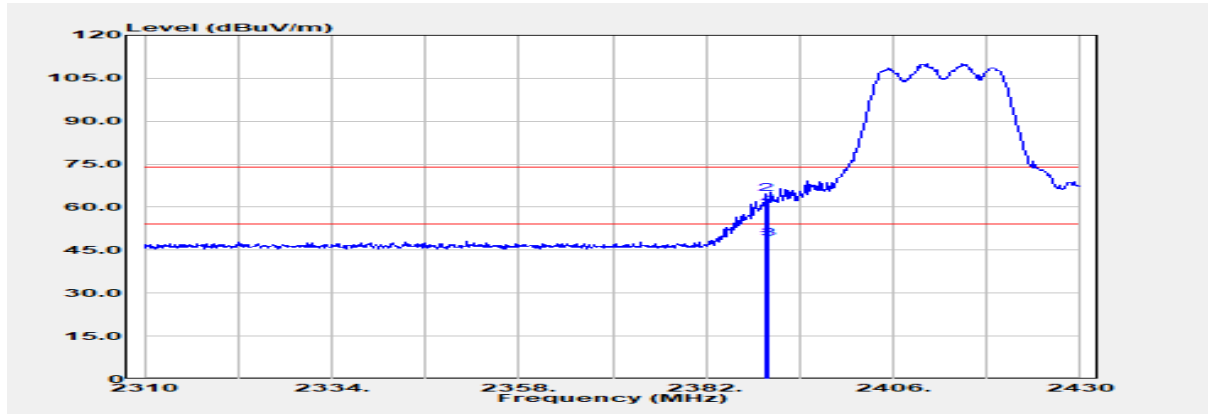
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 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.800	Average	54.17	-5.69	48.48	54.00	-5.52
2389.800	Peak	70.49	-5.69	64.80	74.00	-9.20
2390.000	Average	54.74	-5.69	49.05	54.00	-4.95
2390.000	Peak	66.52	-5.69	60.82	74.00	-13.18

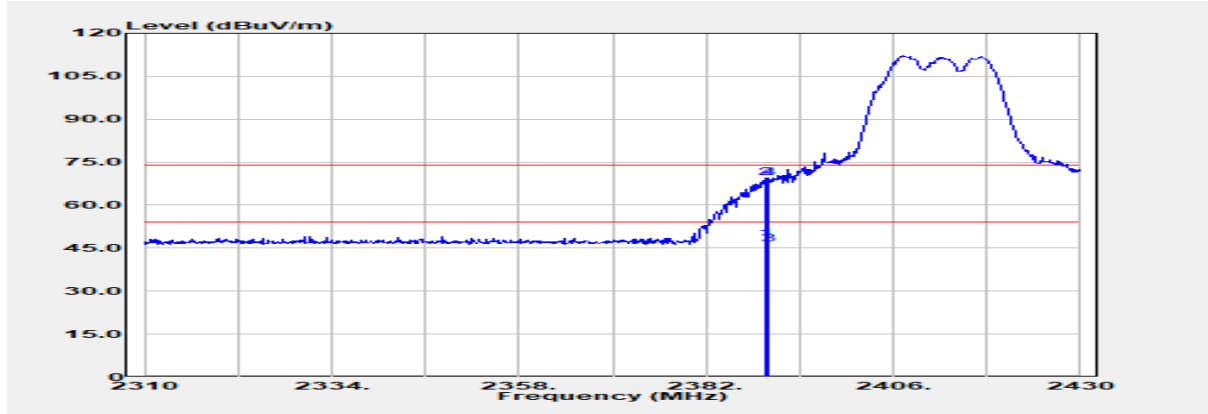
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 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.800	Average	53.86	-5.69	48.17	54.00	-5.83
2389.800	Peak	75.03	-5.69	69.34	74.00	-4.66
2390.000	Average	51.98	-5.69	46.29	54.00	-7.71
2390.000	Peak	75.09	-5.69	69.40	74.00	-4.61

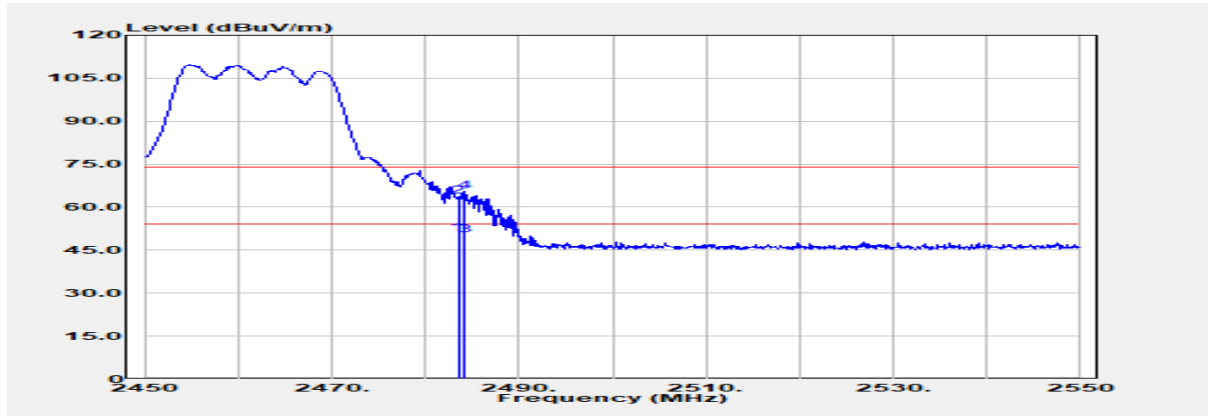
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 EUT Pol :E2 Plane

Test Site :SAC D
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 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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	56.73	-5.94	50.79	54.00	-3.21
2483.500	Peak	69.64	-5.94	63.70	74.00	-10.30
2484.200	Average	56.06	-5.94	50.11	54.00	-3.89
2484.200	Peak	71.37	-5.94	65.42	74.00	-8.58

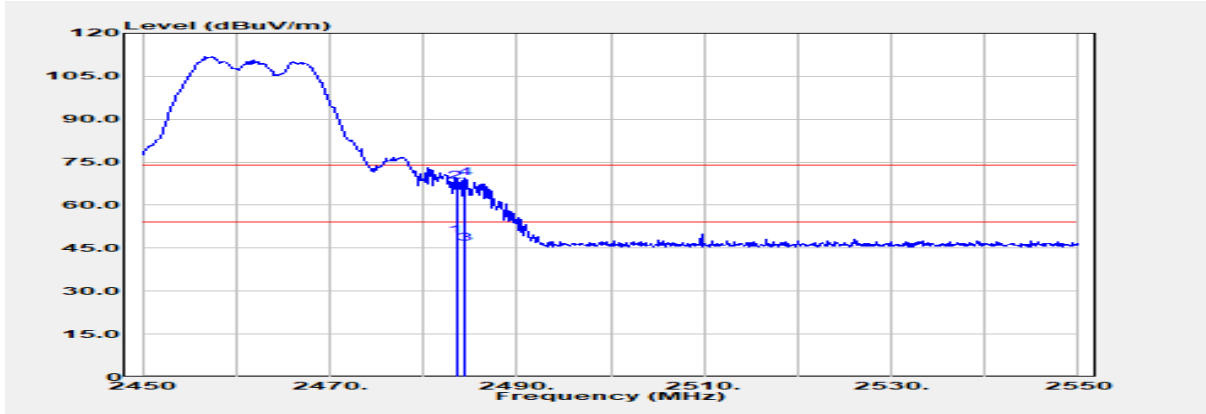
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 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	55.12	-5.94	49.18	54.00	-4.82
2483.500	Peak	74.24	-5.94	68.30	74.00	-5.70
2484.500	Average	52.62	-5.94	46.67	54.00	-7.33
2484.500	Peak	75.32	-5.94	69.38	74.00	-4.62

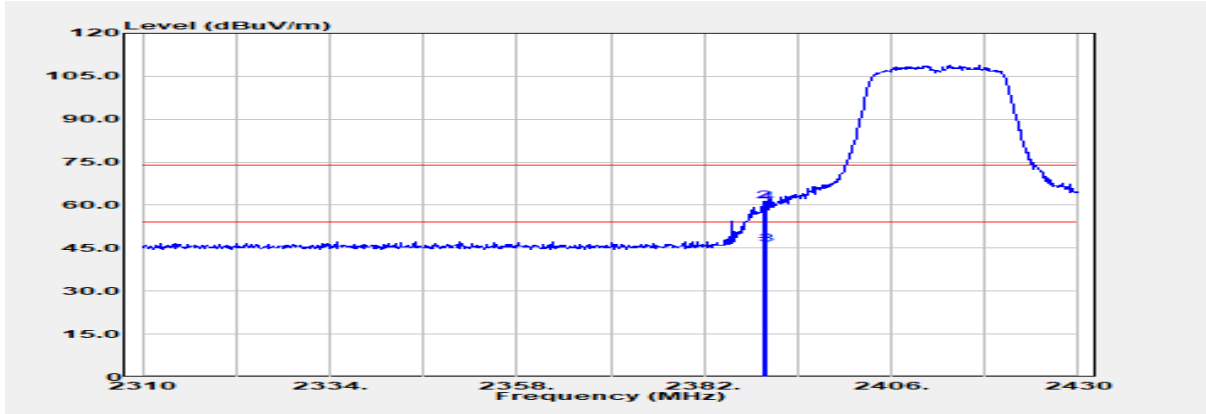
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.680	Average	51.42	-5.69	45.73	54.00	-8.27
2389.680	Peak	67.10	-5.69	61.41	74.00	-12.59
2390.000	Average	51.96	-5.69	46.27	54.00	-7.73
2390.000	Peak	66.83	-5.69	61.14	74.00	-12.86

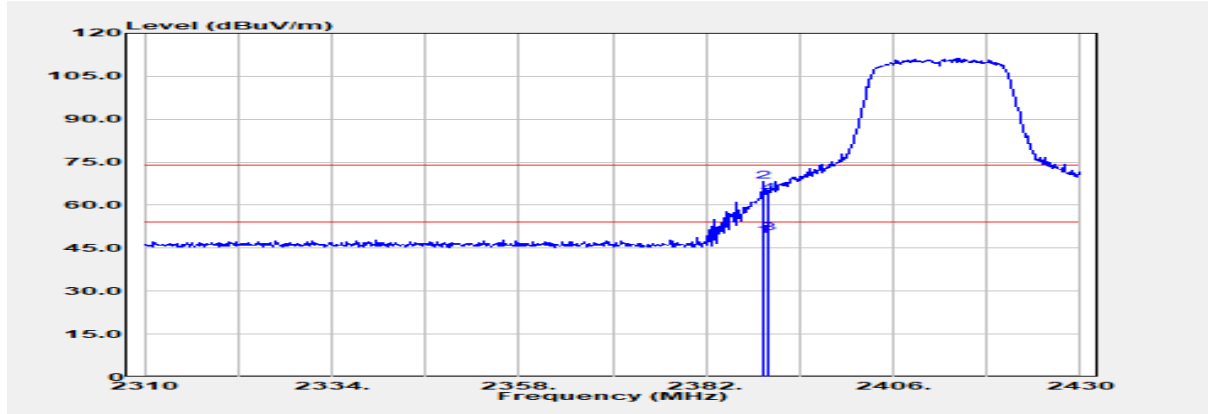
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.440	Average	54.93	-5.69	49.24	54.00	-4.76
2389.440	Peak	74.01	-5.69	68.32	74.00	-5.68
2390.000	Average	56.05	-5.69	50.36	54.00	-3.64
2390.000	Peak	69.63	-5.69	63.94	74.00	-10.06

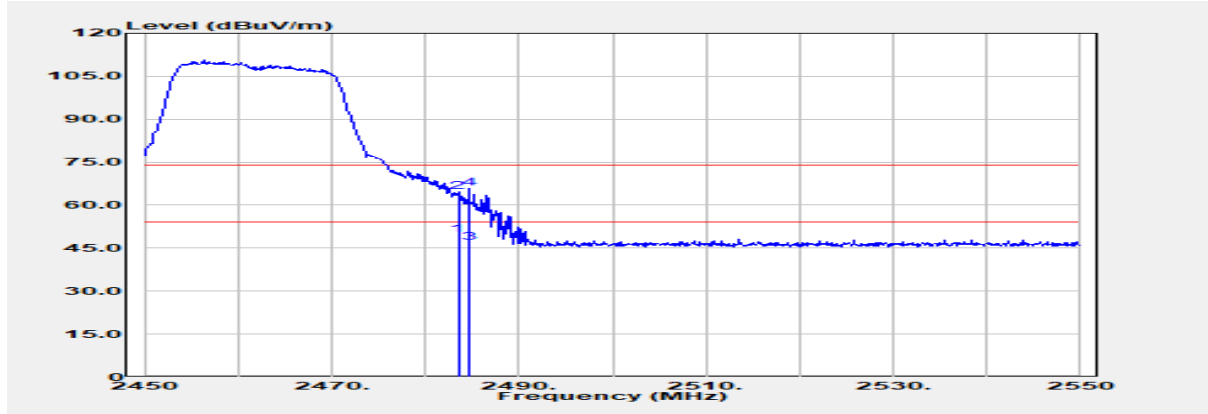
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	55.54	-5.94	49.60	54.00	-4.40
2483.500	Peak	70.46	-5.94	64.52	74.00	-9.48
2484.700	Average	52.81	-5.94	46.87	54.00	-7.13
2484.700	Peak	71.74	-5.94	65.80	74.00	-8.20

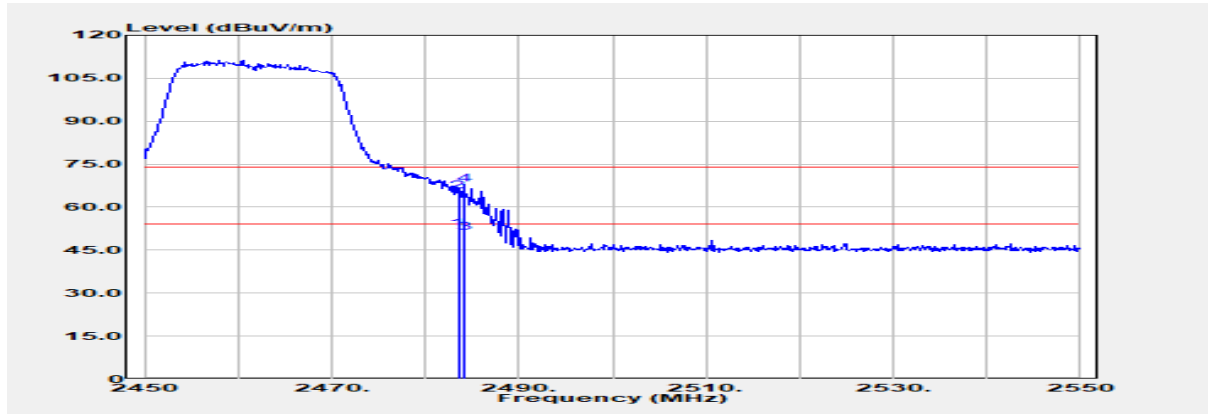
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	58.33	-5.94	52.39	54.00	-1.61
2483.500	Peak	71.46	-5.94	65.52	74.00	-8.48
2484.100	Average	57.10	-5.94	51.16	54.00	-2.84
2484.100	Peak	73.86	-5.94	67.91	74.00	-6.09

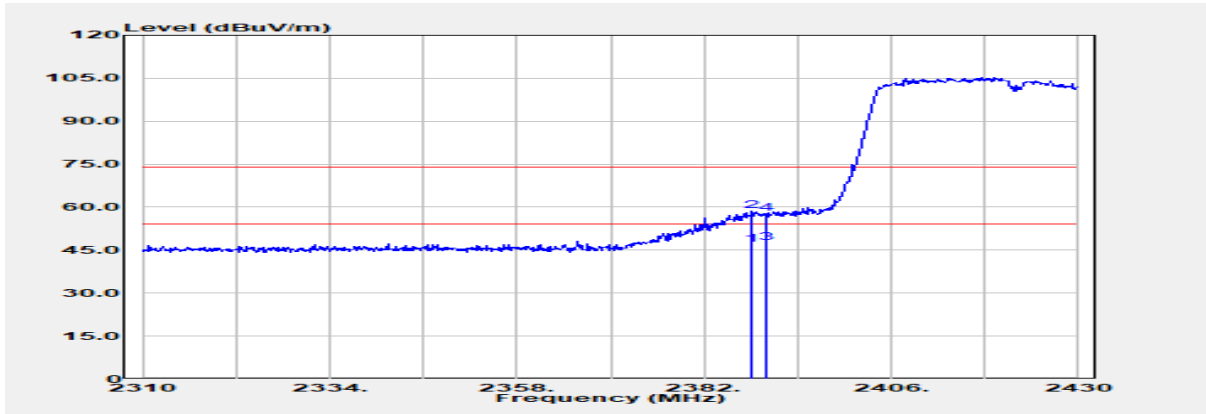
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.120	Average	52.51	-5.68	46.83	54.00	-7.17
2388.120	Peak	64.46	-5.68	58.78	74.00	-15.22
2390.000	Average	53.16	-5.69	47.47	54.00	-6.53
2390.000	Peak	63.30	-5.69	57.61	74.00	-16.39

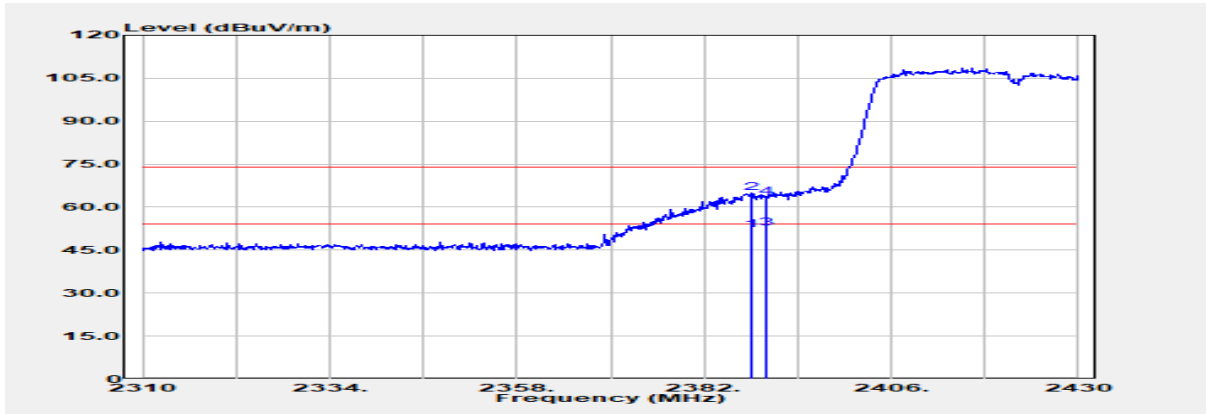
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



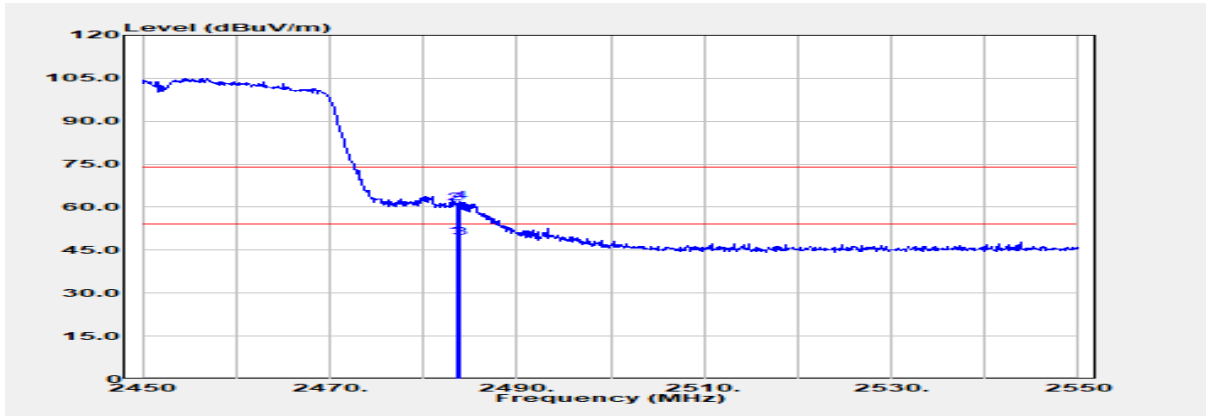
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.000	Average	57.74	-5.68	52.06	54.00	-1.94
2388.000	Peak	70.57	-5.68	64.89	74.00	-9.11
2390.000	Average	58.47	-5.69	52.78	54.00	-1.22
2390.000	Peak	69.16	-5.69	63.47	74.00	-10.53

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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	55.42	-5.94	49.48	54.00	-4.52
2483.500	Peak	67.34	-5.94	61.40	74.00	-12.60
2484.000	Average	55.13	-5.94	49.19	54.00	-4.81
2484.000	Peak	67.91	-5.94	61.97	74.00	-12.03

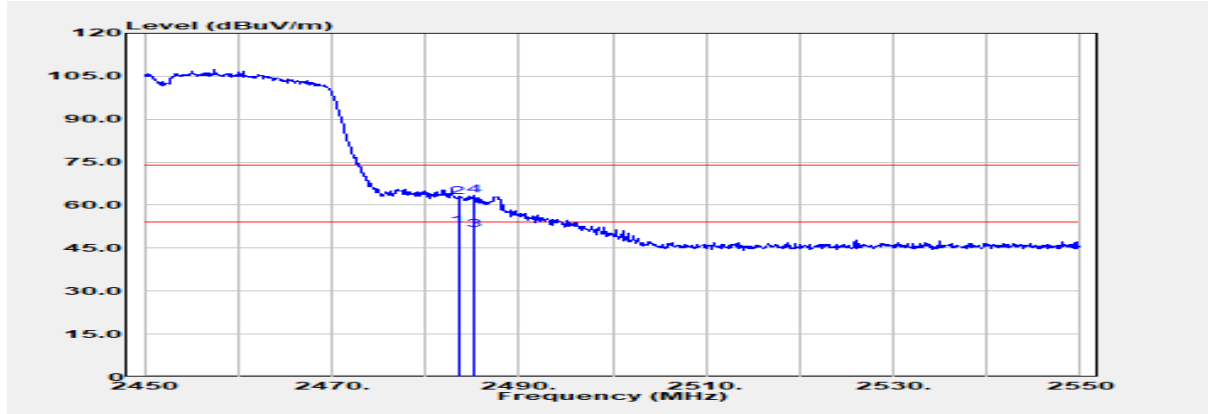
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	58.62	-5.94	52.68	54.00	-1.32
2483.500	Peak	68.70	-5.94	62.76	74.00	-11.24
2485.300	Average	57.22	-5.95	51.28	54.00	-2.72
2485.300	Peak	69.29	-5.95	63.34	74.00	-10.66

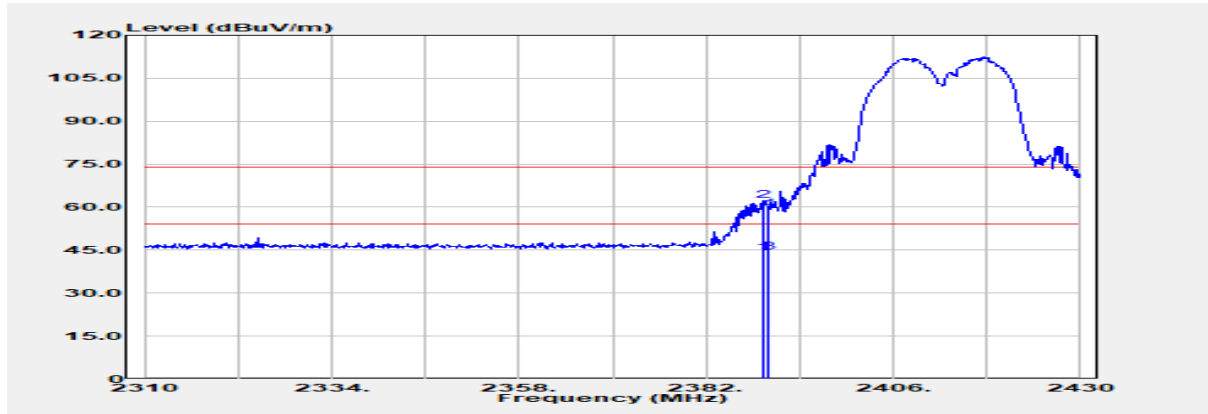
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.320	Average	49.72	-5.69	44.04	54.00	-9.96
2389.320	Peak	67.85	-5.69	62.16	74.00	-11.84
2390.000	Average	49.88	-5.69	44.19	54.00	-9.81
2390.000	Peak	64.98	-5.69	59.29	74.00	-14.71

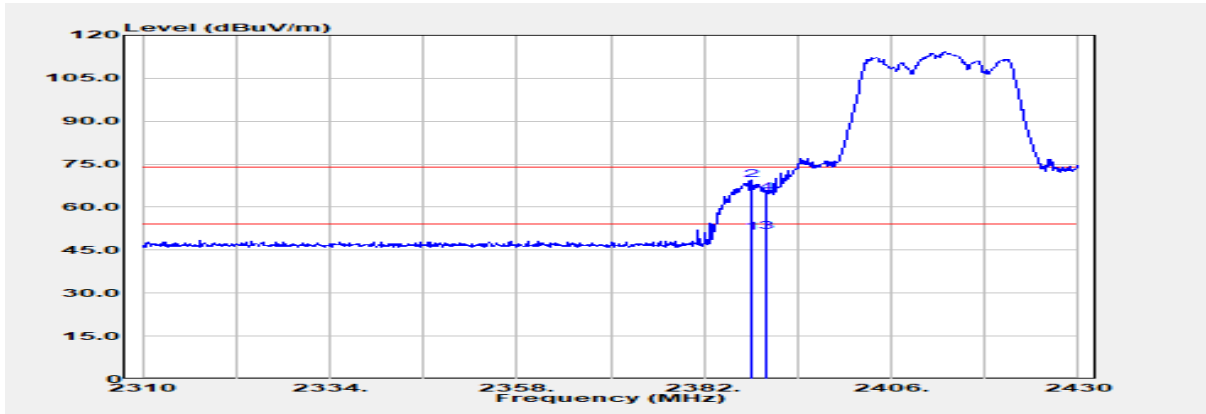
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.000	Average	56.84	-5.68	51.16	54.00	-2.84
2388.000	Peak	75.03	-5.68	69.34	74.00	-4.66
2390.000	Average	57.00	-5.69	51.30	54.00	-2.70
2390.000	Peak	70.55	-5.69	64.86	74.00	-9.14

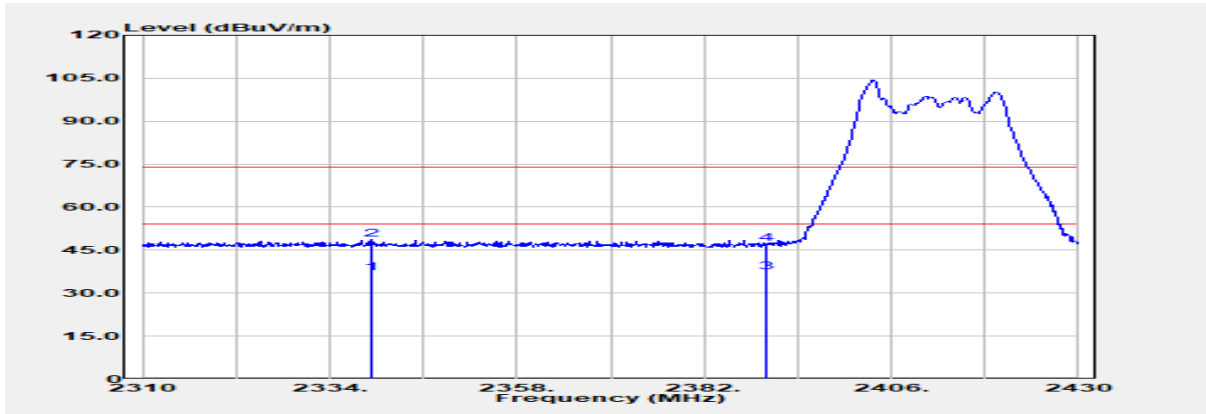
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge RU 26/0
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
2339.400	Average	42.53	-5.55	36.97	54.00	-17.03
2339.400	Peak	54.18	-5.55	48.62	74.00	-25.38
2390.000	Average	42.85	-5.69	37.16	54.00	-16.84
2390.000	Peak	52.80	-5.69	47.11	74.00	-26.89

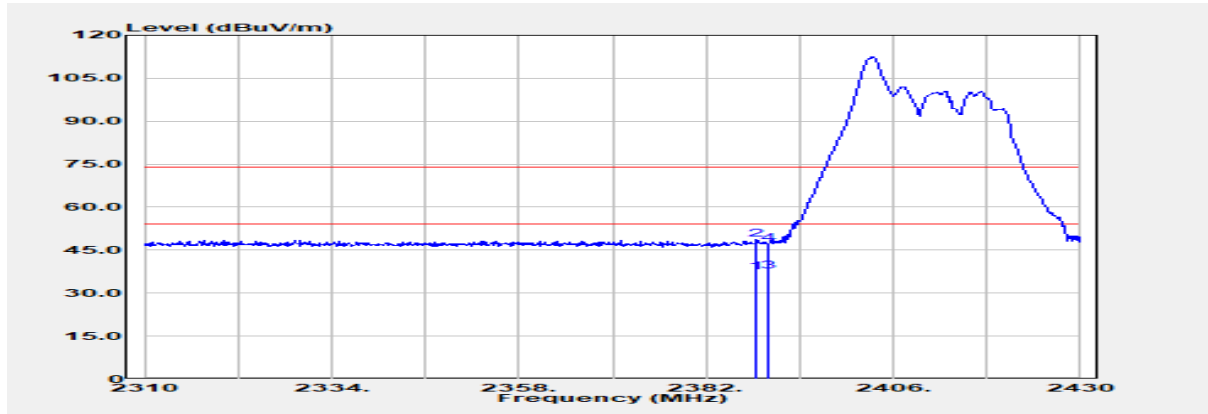
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge RU 26/0
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.360	Average	43.08	-5.68	37.39	54.00	-16.61
2388.360	Peak	54.43	-5.68	48.74	74.00	-25.26
2390.000	Average	43.25	-5.69	37.56	54.00	-16.44
2390.000	Peak	52.88	-5.69	47.19	74.00	-26.81

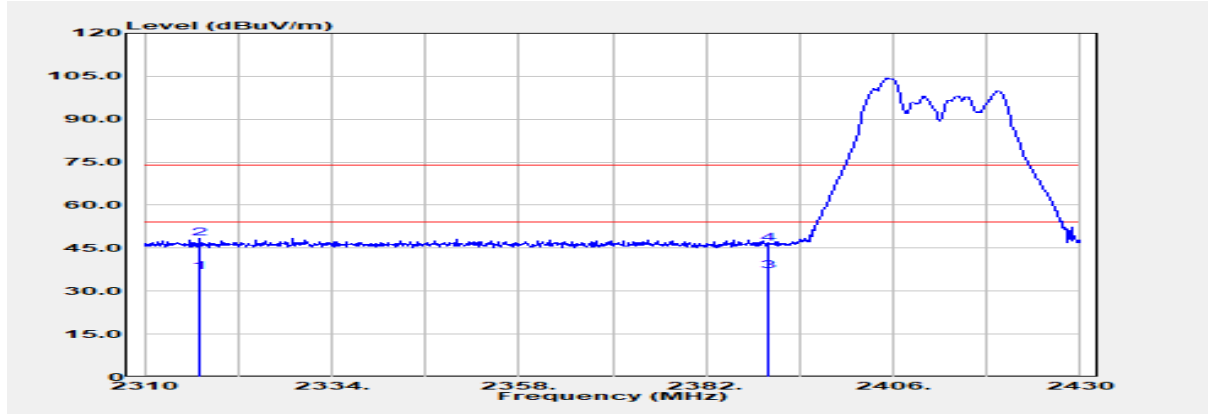
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge RU 52/37
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



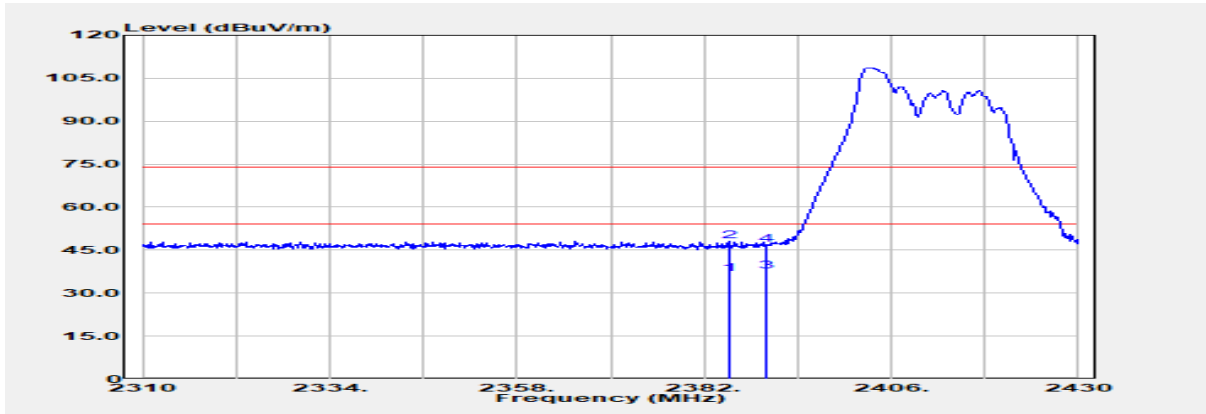
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2317.080	Average	42.41	-5.59	36.82	54.00	-17.18
2317.080	Peak	54.01	-5.59	48.42	74.00	-25.58
2390.000	Average	42.70	-5.69	37.01	54.00	-16.99
2390.000	Peak	52.41	-5.69	46.72	74.00	-27.28

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge RU 52/37
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2385.120	Average	42.42	-5.67	36.74	54.00	-17.26
2385.120	Peak	53.74	-5.67	48.06	74.00	-25.94
2390.000	Average	43.14	-5.69	37.45	54.00	-16.55
2390.000	Peak	52.54	-5.69	46.85	74.00	-27.15

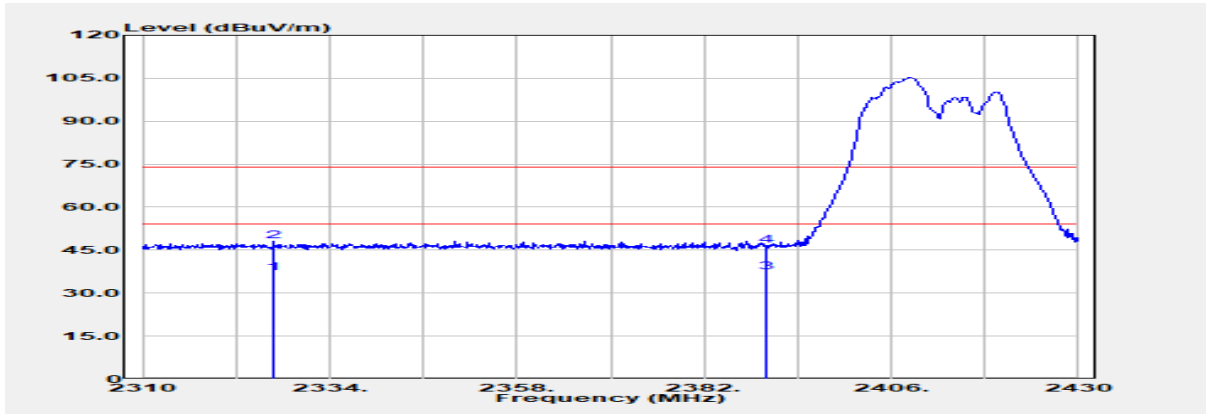
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge RU 106/53
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2326.800	Average	42.42	-5.57	36.85	54.00	-17.15
2326.800	Peak	53.81	-5.57	48.24	74.00	-25.76
2390.000	Average	42.91	-5.69	37.22	54.00	-16.78
2390.000	Peak	52.33	-5.69	46.64	74.00	-27.36

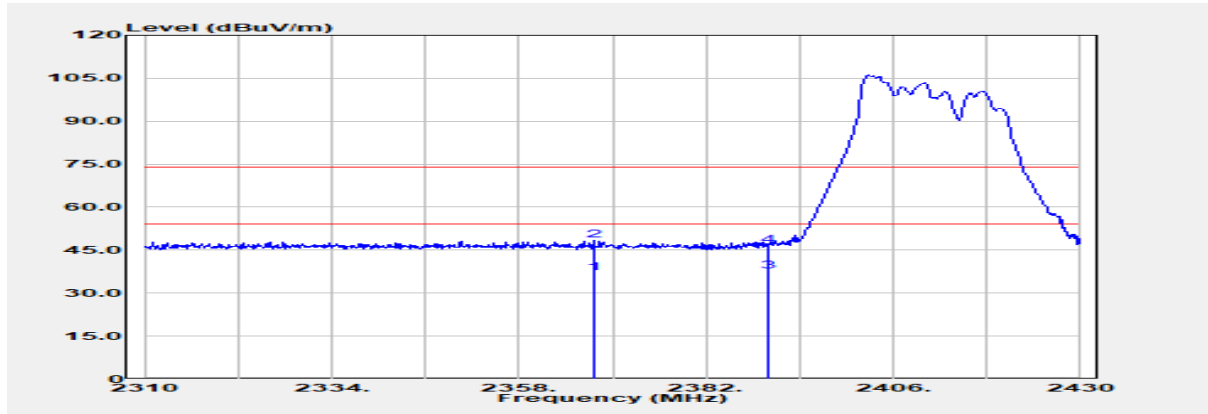
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Bandedge RU 106/53
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2367.600	Average	42.50	-5.61	36.89	54.00	-17.11
2367.600	Peak	53.94	-5.61	48.33	74.00	-25.67
2390.000	Average	43.18	-5.69	37.49	54.00	-16.51
2390.000	Peak	52.17	-5.69	46.48	74.00	-27.52

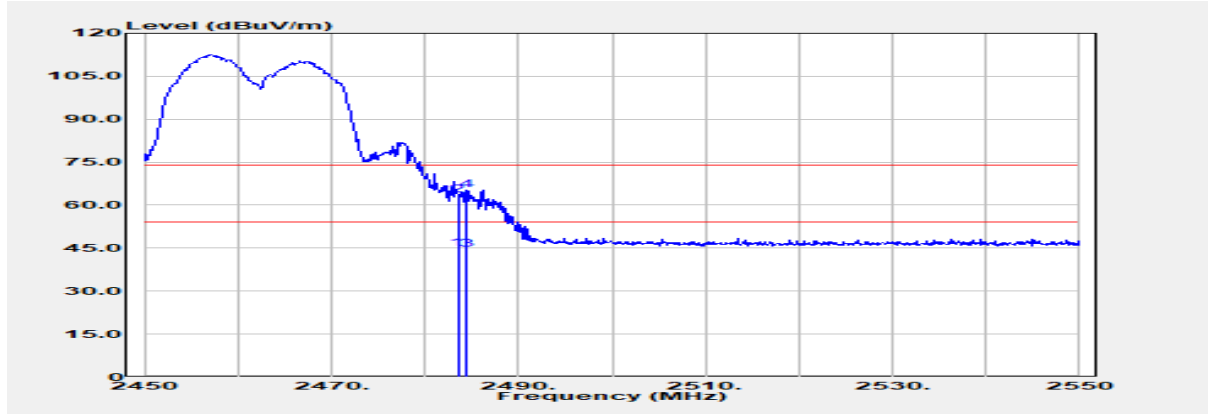
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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	50.89	-5.94	44.95	54.00	-9.05
2483.500	Peak	69.27	-5.94	63.33	74.00	-10.67
2484.500	Average	50.55	-5.94	44.61	54.00	-9.39
2484.500	Peak	71.30	-5.94	65.36	74.00	-8.64

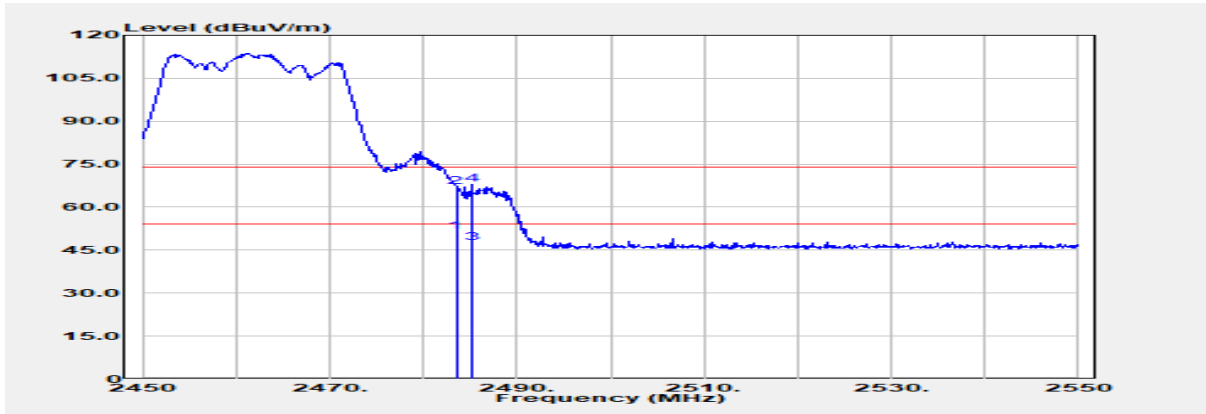
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	57.43	-5.94	51.49	54.00	-2.51
2483.500	Peak	73.03	-5.94	67.09	74.00	-6.91
2485.200	Average	53.36	-5.95	47.41	54.00	-6.59
2485.200	Peak	74.05	-5.95	68.11	74.00	-5.89

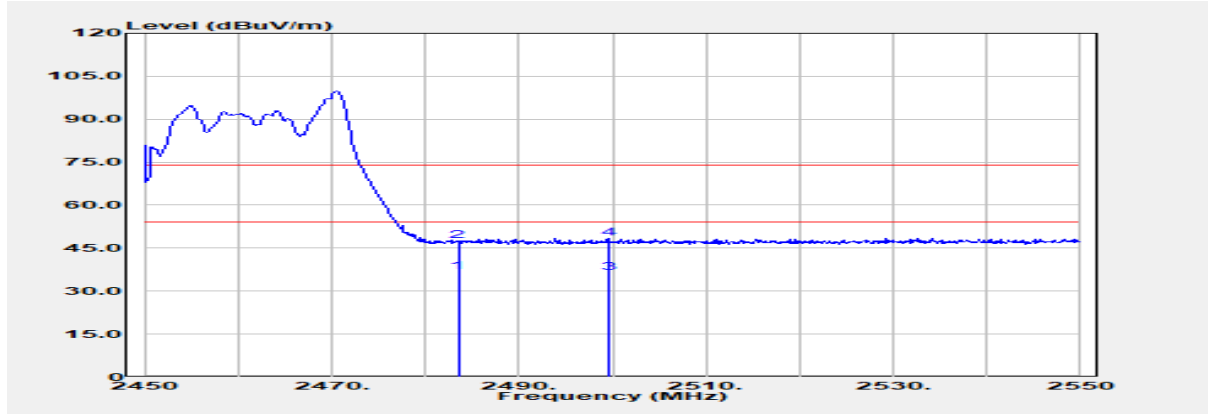
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge RU 26/8
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	42.67	-5.94	36.73	54.00	-17.27
2483.500	Peak	53.55	-5.94	47.61	74.00	-26.39
2499.500	Average	42.48	-5.99	36.50	54.00	-17.50
2499.500	Peak	54.52	-5.99	48.54	74.00	-25.46

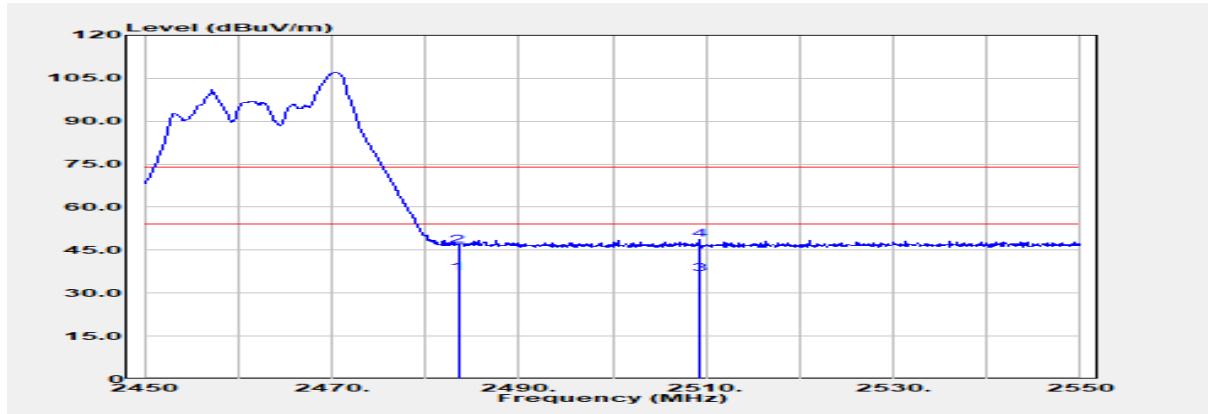
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge RU 26/8
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



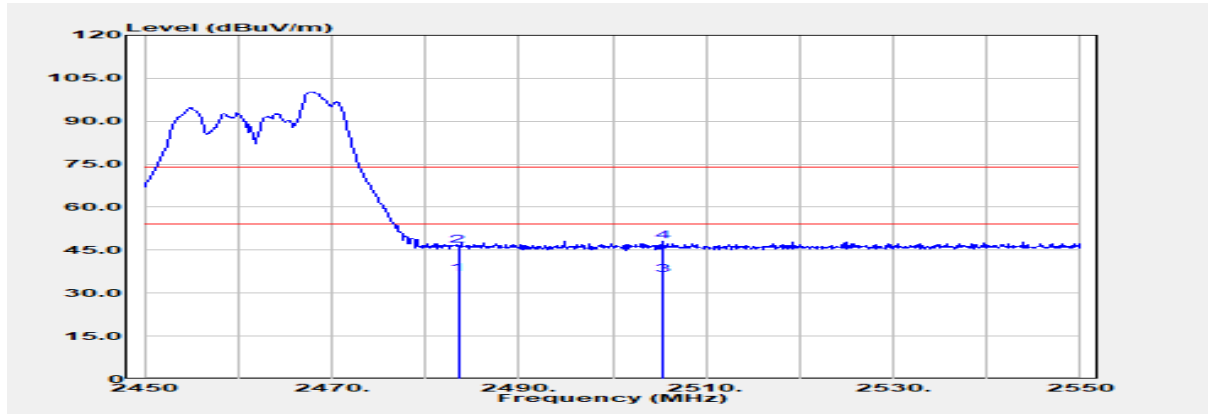
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Average	42.86	-5.94	36.92	54.00	-17.08
2483.500	Peak	52.69	-5.94	46.75	74.00	-27.25
2509.300	Average	42.48	-5.93	36.55	54.00	-17.45
2509.300	Peak	54.56	-5.93	48.62	74.00	-25.38

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge RU 52/40
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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	42.59	-5.94	36.65	54.00	-17.35
2483.500	Peak	52.52	-5.94	46.58	74.00	-27.42
2505.500	Average	42.44	-5.96	36.49	54.00	-17.51
2505.500	Peak	54.09	-5.96	48.14	74.00	-25.86

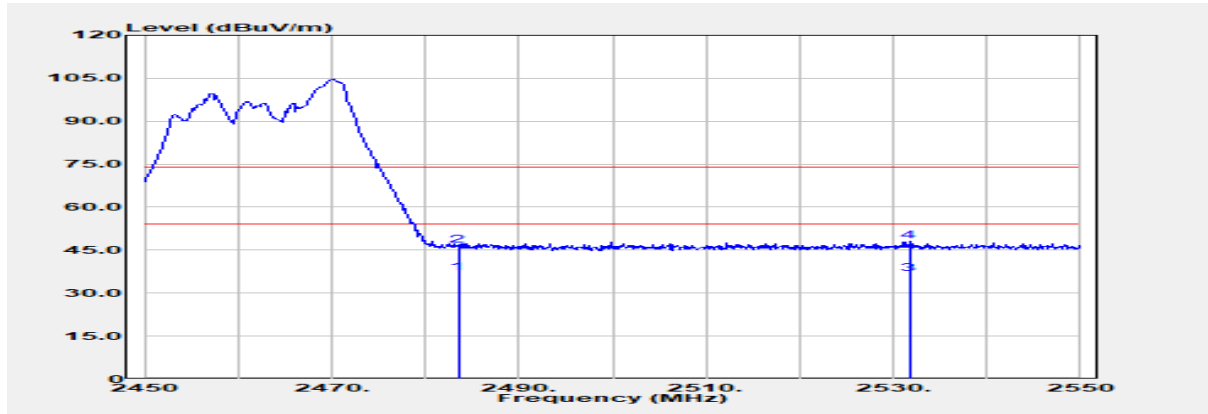
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge RU 52/40
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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	43.03	-5.94	37.09	54.00	-16.91
2483.500	Peak	52.49	-5.94	46.55	74.00	-27.45
2531.700	Average	42.56	-5.81	36.75	54.00	-17.25
2531.700	Peak	53.99	-5.81	48.18	74.00	-25.82

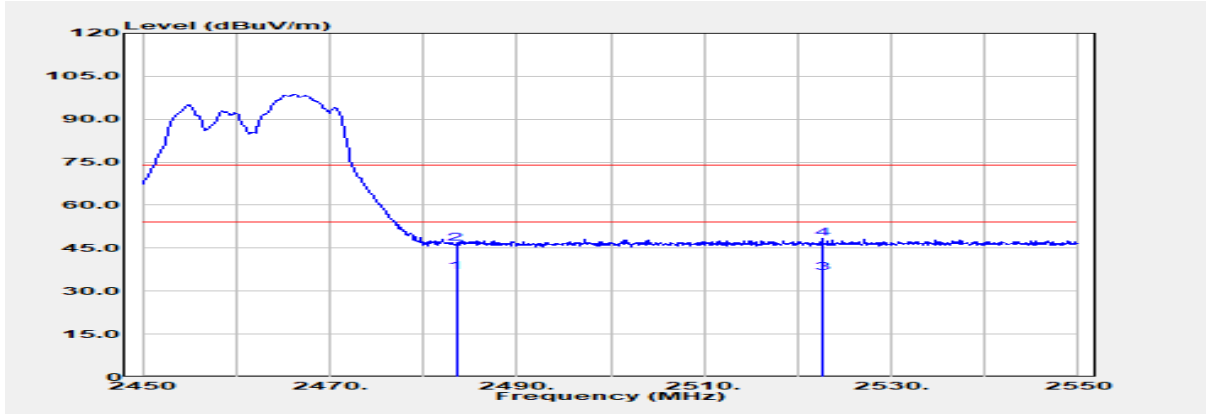
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge RU 106/54
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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	42.65	-5.94	36.71	54.00	-17.29
2483.500	Peak	52.53	-5.94	46.59	74.00	-27.41
2522.600	Average	42.37	-5.86	36.51	54.00	-17.49
2522.600	Peak	54.18	-5.86	48.32	74.00	-25.68

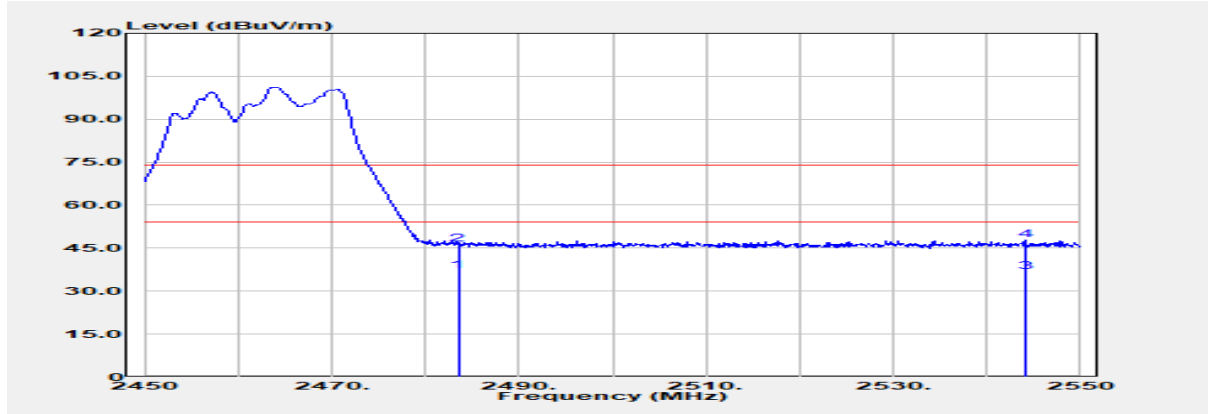
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge RU 106/54
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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	42.90	-5.94	36.96	54.00	-17.04
2483.500	Peak	52.26	-5.94	46.32	74.00	-27.68
2544.100	Average	42.34	-5.74	36.60	54.00	-17.40
2544.100	Peak	53.56	-5.74	47.82	74.00	-26.18

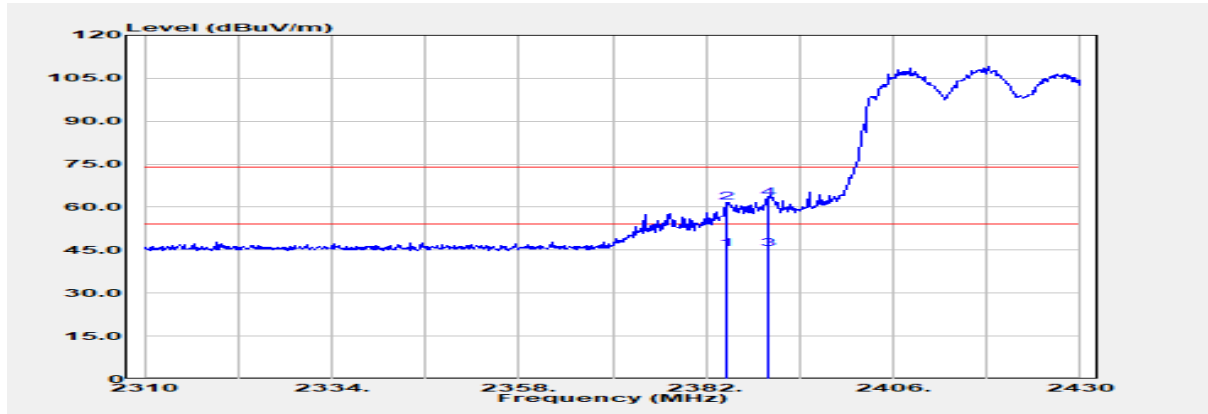
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2384.760	Average	50.98	-5.67	45.31	54.00	-8.69
2384.760	Peak	67.28	-5.67	61.61	74.00	-12.39
2390.000	Average	51.12	-5.69	45.42	54.00	-8.58
2390.000	Peak	68.90	-5.69	63.21	74.00	-10.79

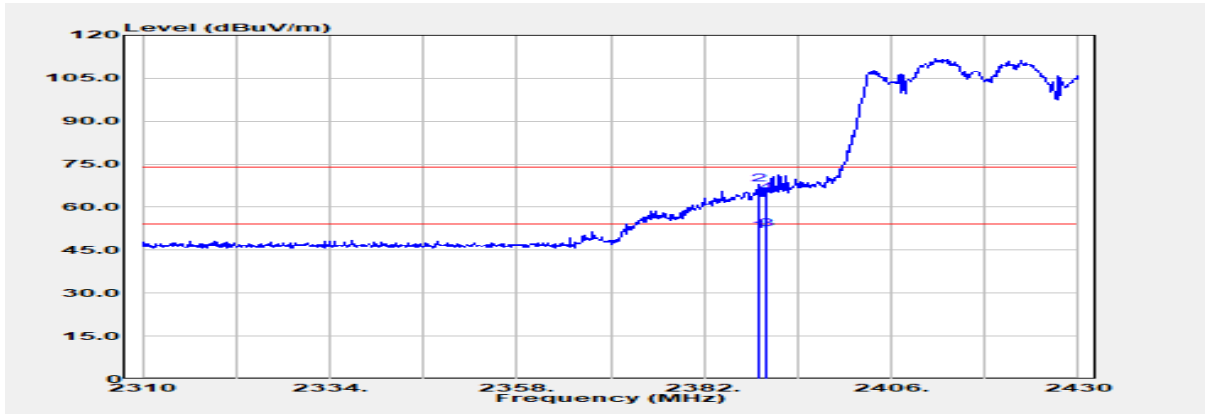
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.960	Average	57.34	-5.69	51.66	54.00	-2.34
2388.960	Peak	73.68	-5.69	67.99	74.00	-6.01
2390.000	Average	58.03	-5.69	52.34	54.00	-1.66
2390.000	Peak	70.59	-5.69	64.90	74.00	-9.10

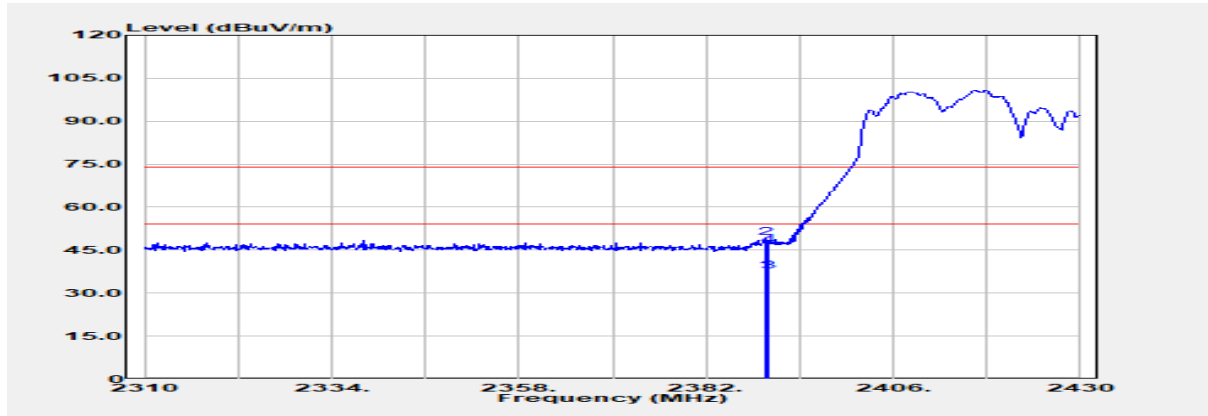
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 242/61
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2389.560	Average	43.28	-5.69	37.59	54.00	-16.41
2389.560	Peak	54.89	-5.69	49.20	74.00	-24.80
2390.000	Average	43.43	-5.69	37.74	54.00	-16.26
2390.000	Peak	52.30	-5.69	46.60	74.00	-27.40

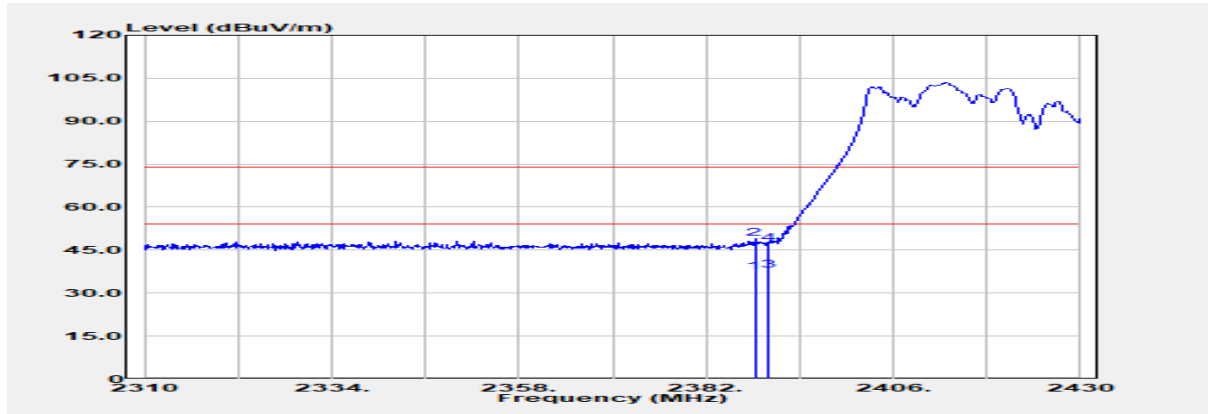
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 242/61
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2388.240	Average	43.00	-5.68	37.31	54.00	-16.69
2388.240	Peak	54.57	-5.68	48.89	74.00	-25.11
2390.000	Average	43.44	-5.69	37.75	54.00	-16.25
2390.000	Peak	52.80	-5.69	47.11	74.00	-26.89

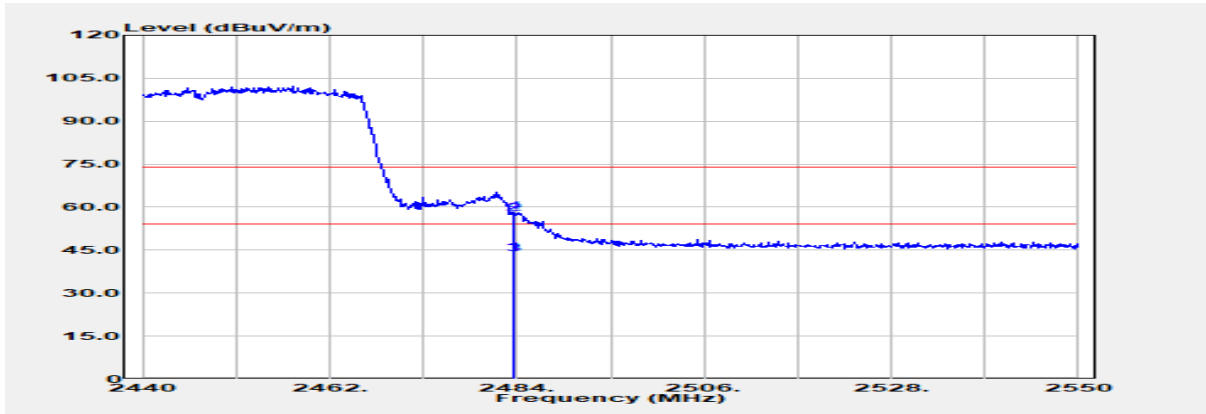
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2447 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-10-03
 Temp./Humi. :23.7/60
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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	49.80	-5.94	43.86	54.00	-10.14
2483.500	Peak	63.62	-5.94	57.68	74.00	-16.32
2483.670	Average	49.48	-5.94	43.54	54.00	-10.46
2483.670	Peak	64.20	-5.94	58.26	74.00	-15.74

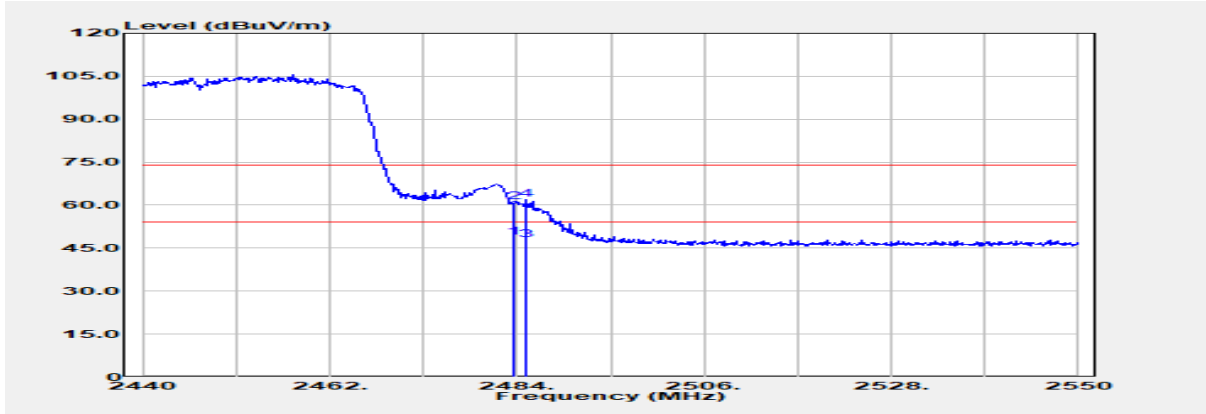
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2447 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-10-03
 Temp./Humi. :23.7/60
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	54.57	-5.94	48.63	54.00	-5.37
2483.500	Peak	66.90	-5.94	60.96	74.00	-13.04
2485.100	Average	53.64	-5.95	47.70	54.00	-6.30
2485.100	Peak	68.03	-5.95	62.08	74.00	-11.92

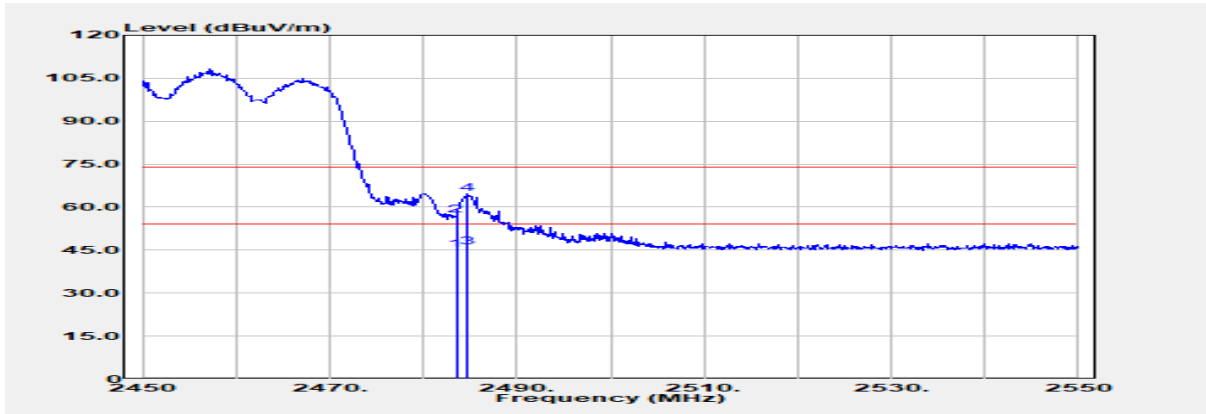
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	51.11	-5.94	45.16	54.00	-8.84
2483.500	Peak	63.16	-5.94	57.22	74.00	-16.78
2484.800	Average	52.09	-5.94	46.14	54.00	-7.86
2484.800	Peak	70.49	-5.94	64.55	74.00	-9.45

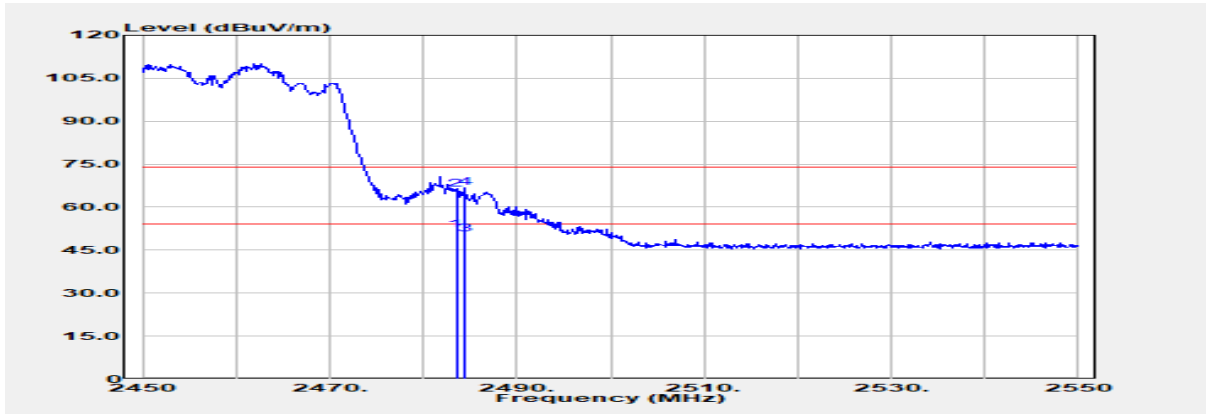
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge Full RU
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-08
 Temp./Humi. :24.3/62
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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	57.98	-5.94	52.04	54.00	-1.96
2483.500	Peak	72.12	-5.94	66.18	74.00	-7.82
2484.400	Average	56.34	-5.94	50.40	54.00	-3.60
2484.400	Peak	72.82	-5.94	66.87	74.00	-7.13

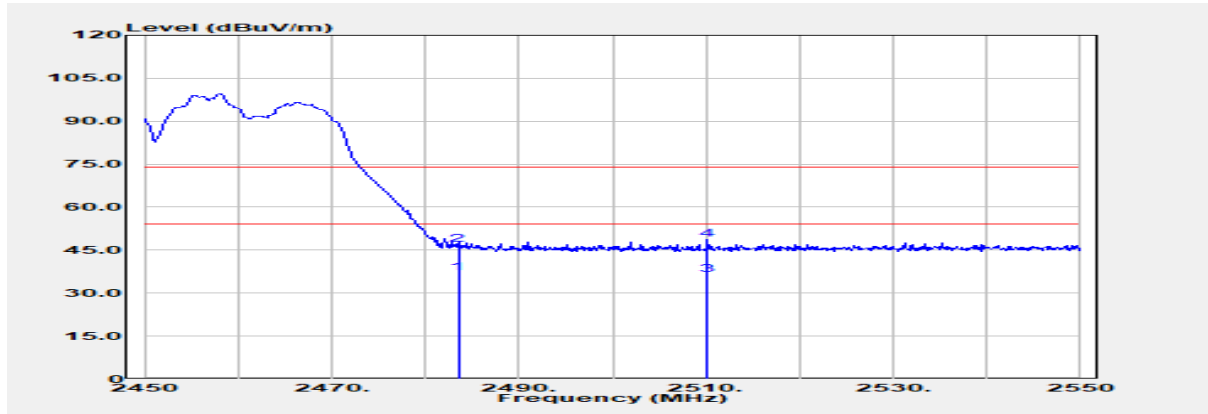
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 242/62
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	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	42.83	-5.94	36.89	54.00	-17.11
2483.500	Peak	52.93	-5.94	46.99	74.00	-27.01
2510.200	Average	42.26	-5.93	36.34	54.00	-17.66
2510.200	Peak	54.52	-5.93	48.59	74.00	-25.41

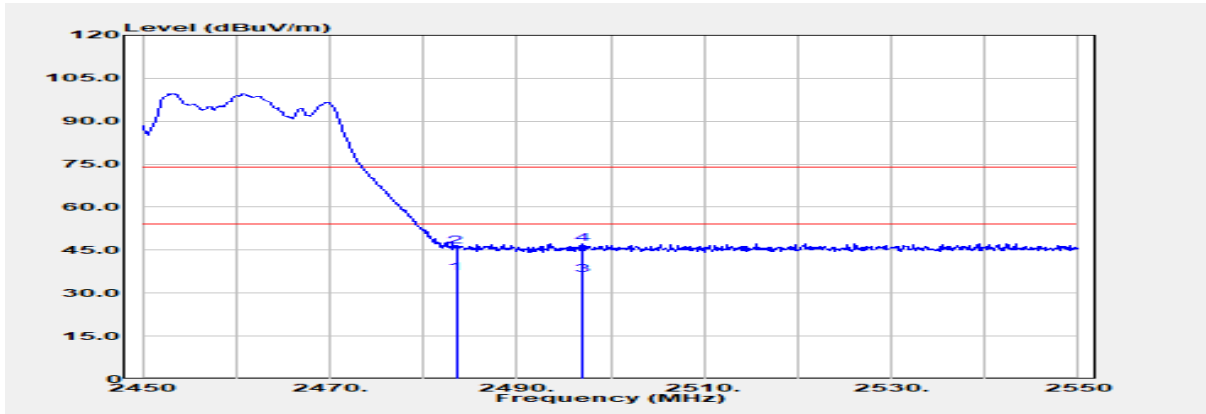
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 242/62
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-12
 Temp./Humi. :23.1/58
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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	42.95	-5.94	37.01	54.00	-16.99
2483.500	Peak	52.23	-5.94	46.29	74.00	-27.71
2497.100	Average	42.37	-5.98	36.39	54.00	-17.61
2497.100	Peak	53.32	-5.98	47.34	74.00	-26.66

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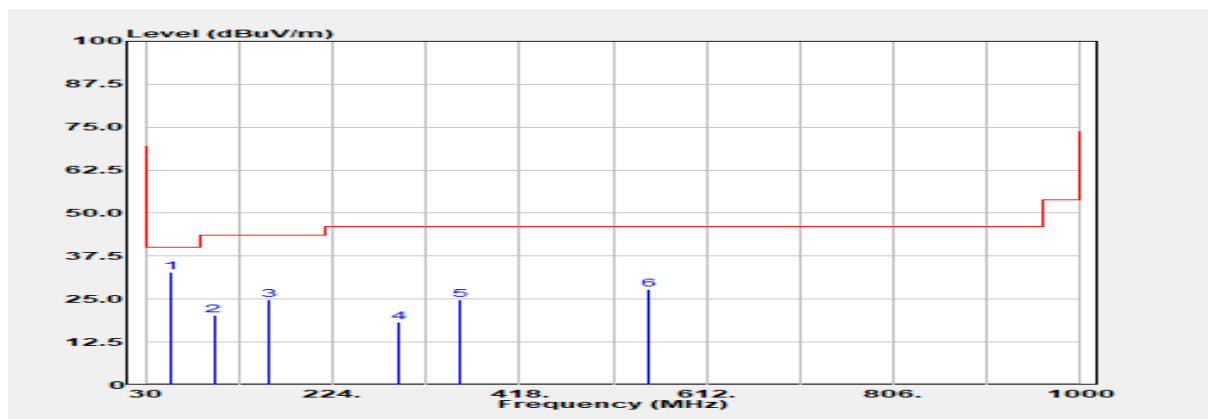
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11.6.2 Spurious Emission:

Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-27
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
57.160	Peak	50.35	-17.64	32.71	40.00	-7.29
100.810	Peak	41.49	-21.30	20.19	43.50	-23.31
159.010	Peak	41.07	-16.27	24.80	43.50	-18.70
293.840	Peak	34.63	-16.28	18.34	46.00	-27.66
355.920	Peak	39.35	-14.62	24.73	46.00	-21.27
552.830	Peak	38.24	-10.46	27.78	46.00	-18.22

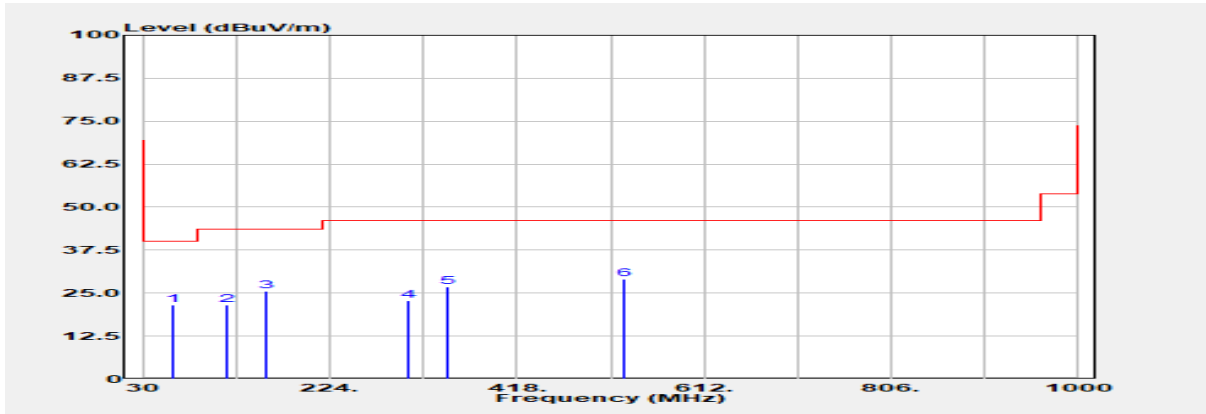
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-27
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



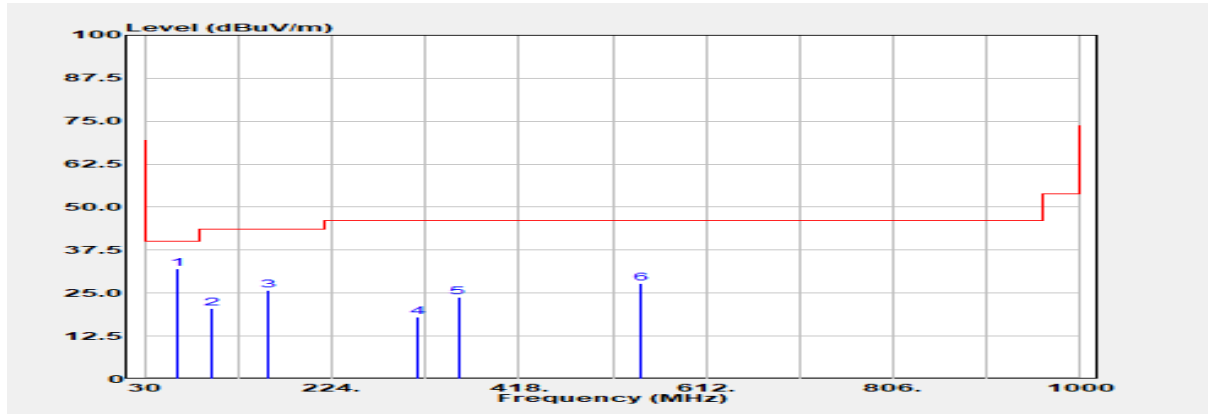
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
61.040	Peak	39.79	-18.14	21.66	40.00	-18.34
116.330	Peak	41.43	-19.78	21.65	43.50	-21.85
159.010	Peak	41.72	-16.27	25.46	43.50	-18.04
306.450	Peak	38.52	-15.79	22.73	46.00	-23.27
347.190	Peak	41.94	-15.21	26.74	46.00	-19.26
528.580	Peak	39.67	-10.54	29.14	46.00	-16.86

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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-27
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
62.980	Peak	50.56	-18.57	31.99	40.00	-8.01
99.840	Peak	41.97	-21.47	20.51	43.50	-22.99
159.010	Peak	42.08	-16.27	25.81	43.50	-17.69
314.210	Peak	33.57	-15.49	18.09	46.00	-27.91
354.950	Peak	38.42	-14.68	23.74	46.00	-22.26
544.100	Peak	38.67	-10.75	27.91	46.00	-18.09

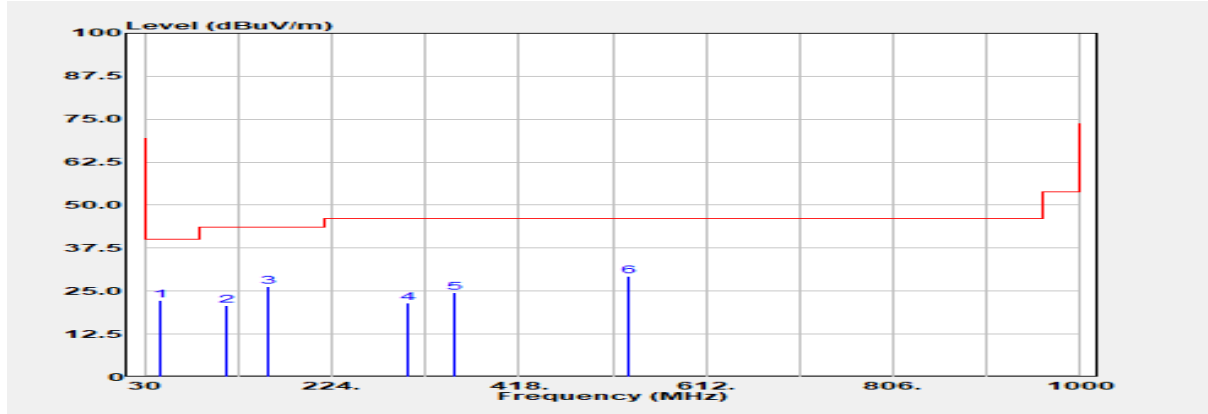
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-27
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
45.520	Peak	39.98	-17.76	22.21	40.00	-17.79
114.390	Peak	40.74	-19.84	20.90	43.50	-22.60
159.010	Peak	42.70	-16.27	26.43	43.50	-17.07
303.540	Peak	37.41	-15.94	21.47	46.00	-24.53
352.040	Peak	39.45	-14.85	24.60	46.00	-21.40
530.520	Peak	39.84	-10.54	29.31	46.00	-16.69

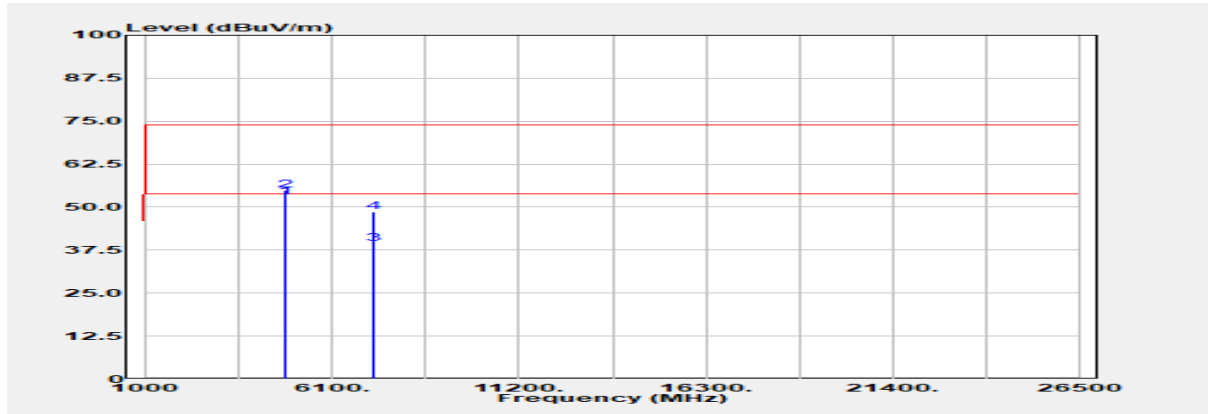
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4824.000	Average	53.03	-0.10	52.93	54.00	-1.07
4824.000	Peak	55.02	-0.10	54.92	74.00	-19.08
7236.000	Average	31.81	7.57	39.38	54.00	-14.62
7236.000	Peak	41.00	7.57	48.57	74.00	-25.43

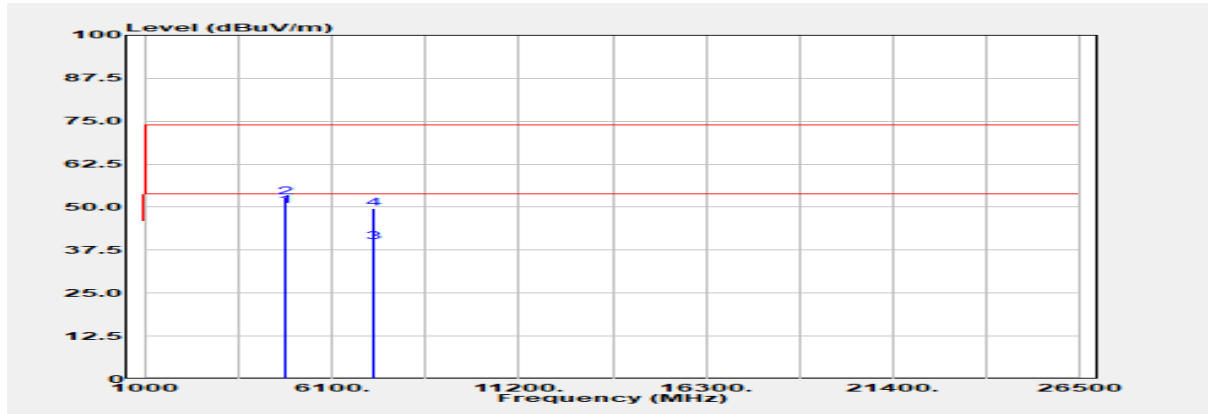
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4824.000	Average	50.46	-0.10	50.36	54.00	-3.64
4824.000	Peak	52.99	-0.10	52.89	74.00	-21.11
7236.000	Average	32.24	7.57	39.81	54.00	-14.19
7236.000	Peak	41.96	7.57	49.53	74.00	-24.47

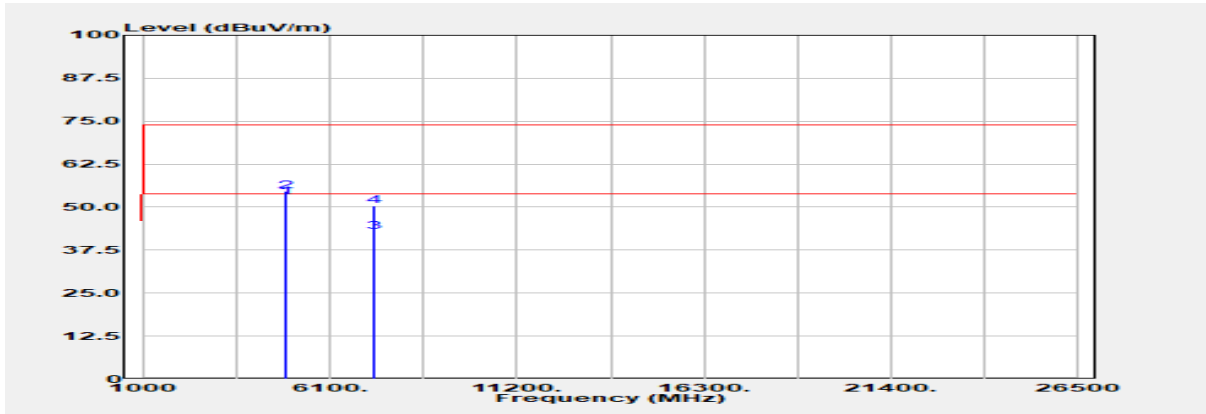
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4874.000	Average	53.16	-0.26	52.89	54.00	-1.11
4874.000	Peak	54.85	-0.26	54.59	74.00	-19.41
7311.000	Average	36.19	6.68	42.88	54.00	-11.12
7311.000	Peak	43.60	6.68	50.28	74.00	-23.72

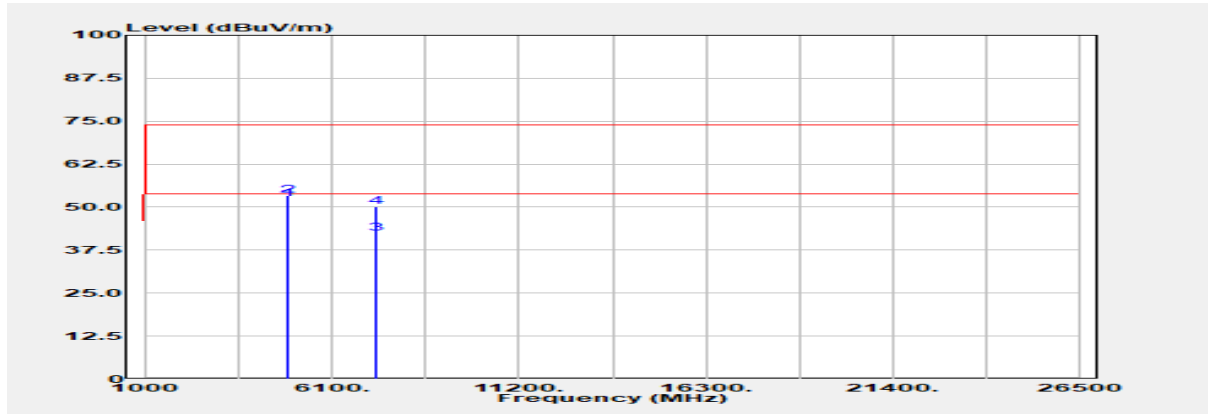
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4874.000	Average	52.57	-0.26	52.31	54.00	-1.69
4874.000	Peak	53.64	-0.26	53.37	74.00	-20.63
7311.000	Average	35.74	6.68	42.42	54.00	-11.58
7311.000	Peak	43.48	6.68	50.16	74.00	-23.84

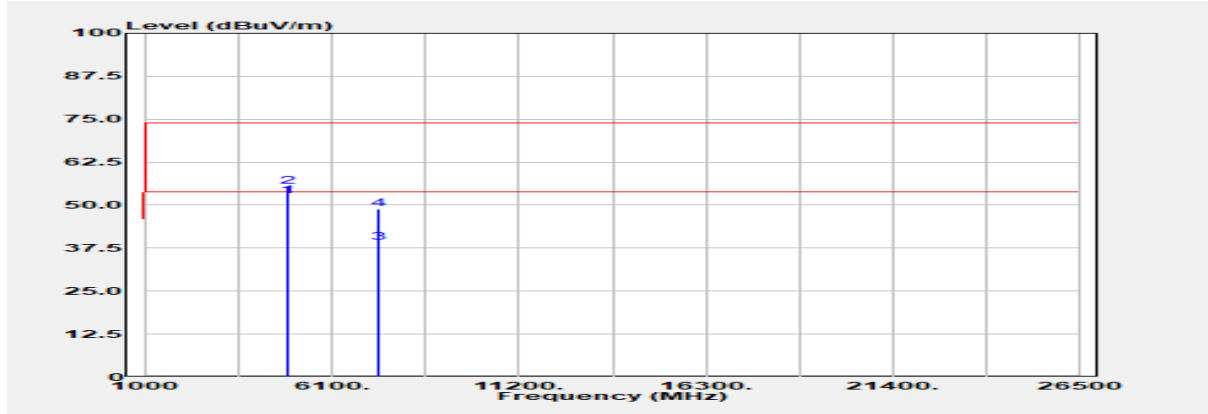
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4924.000	Average	52.65	-0.13	52.51	54.00	-1.49
4924.000	Peak	55.40	-0.13	55.27	74.00	-18.73
7386.000	Average	31.47	7.63	39.10	54.00	-14.90
7386.000	Peak	41.25	7.63	48.88	74.00	-25.12

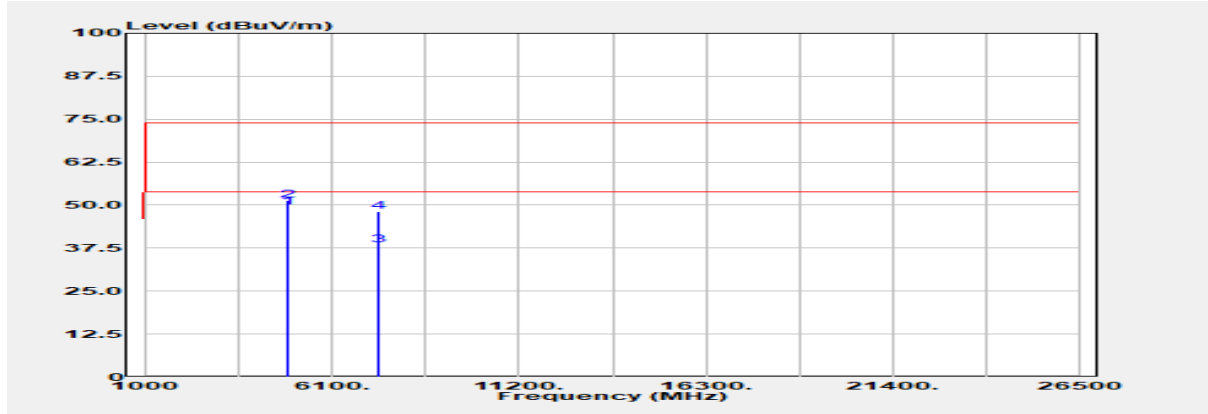
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Report Number :TERF2207001114E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4924.000	Average	49.43	-0.13	49.30	54.00	-4.70
4924.000	Peak	51.45	-0.13	51.32	74.00	-22.68
7386.000	Average	30.73	7.63	38.36	54.00	-15.64
7386.000	Peak	40.41	7.63	48.04	74.00	-25.96

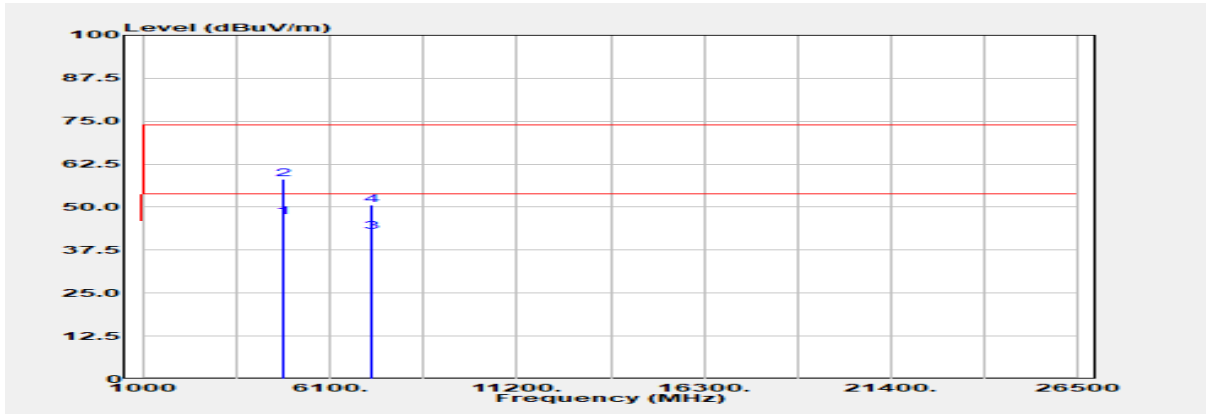
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4824.000	Average	47.16	-0.10	47.06	54.00	-6.94
4824.000	Peak	58.20	-0.10	58.10	74.00	-15.90
7236.000	Average	35.25	7.57	42.82	54.00	-11.18
7236.000	Peak	42.98	7.57	50.55	74.00	-23.45

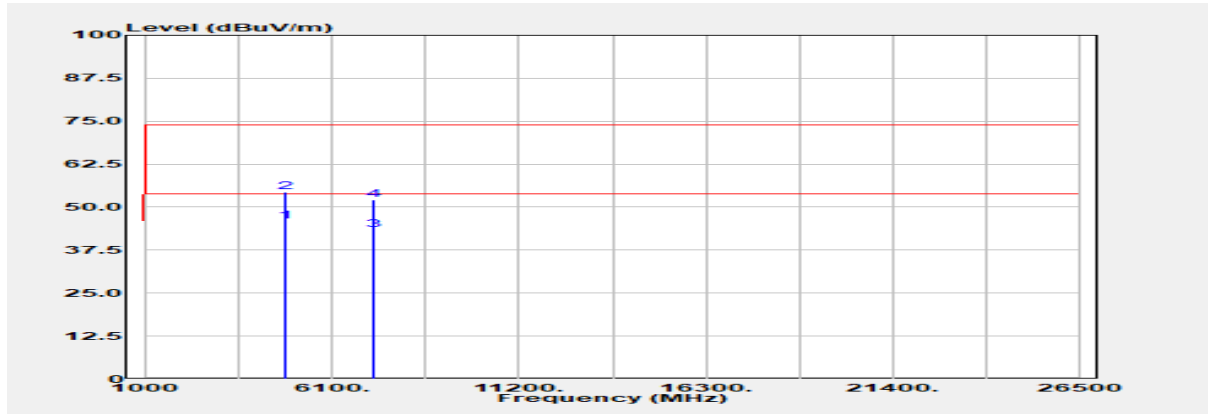
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4824.000	Average	45.92	-0.10	45.81	54.00	-8.19
4824.000	Peak	54.56	-0.10	54.46	74.00	-19.54
7236.000	Average	35.80	7.57	43.37	54.00	-10.63
7236.000	Peak	44.56	7.57	52.12	74.00	-21.88

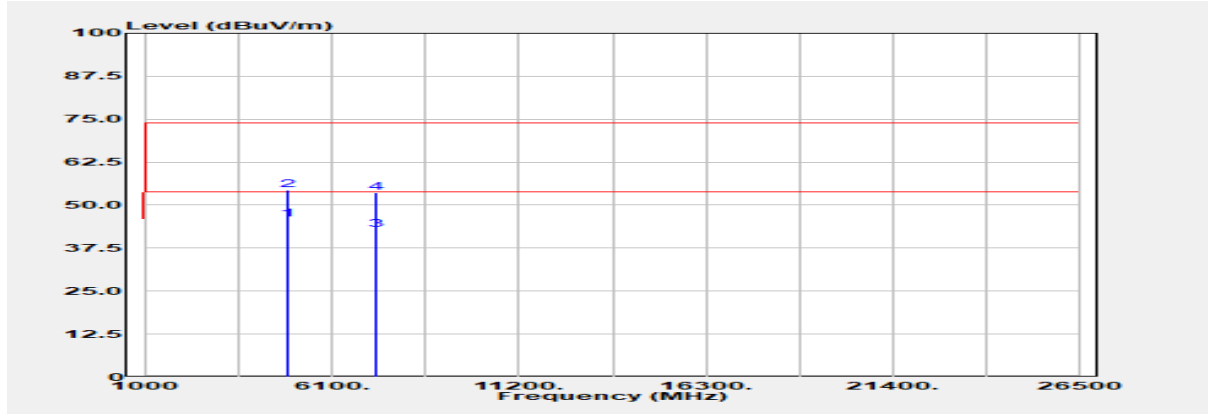
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4874.000	Average	46.08	-0.26	45.82	54.00	-8.18
4874.000	Peak	54.60	-0.26	54.33	74.00	-19.67
7311.000	Average	36.27	6.68	42.95	54.00	-11.05
7311.000	Peak	46.97	6.68	53.65	74.00	-20.35

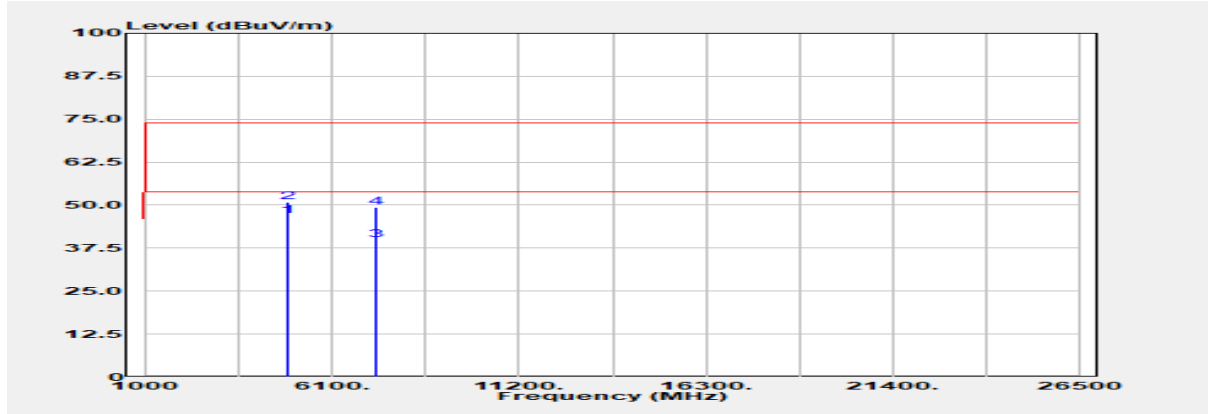
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4874.000	Average	47.15	-0.26	46.88	54.00	-7.12
4874.000	Peak	51.23	-0.26	50.97	74.00	-23.03
7311.000	Average	33.25	6.68	39.93	54.00	-14.07
7311.000	Peak	42.67	6.68	49.35	74.00	-24.65

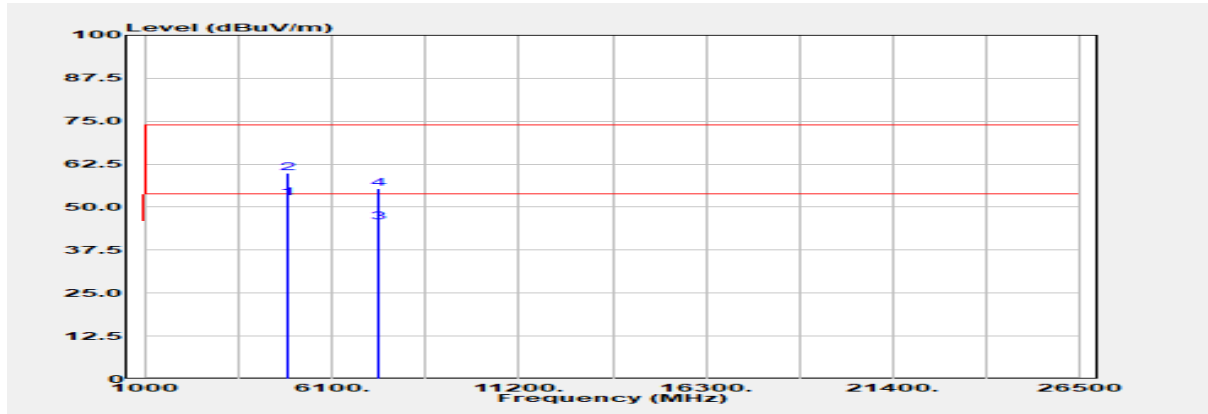
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4924.000	Average	52.79	-0.13	52.66	54.00	-1.34
4924.000	Peak	60.13	-0.13	59.99	74.00	-14.01
7386.000	Average	38.05	7.63	45.68	54.00	-8.32
7386.000	Peak	47.70	7.63	55.33	74.00	-18.67

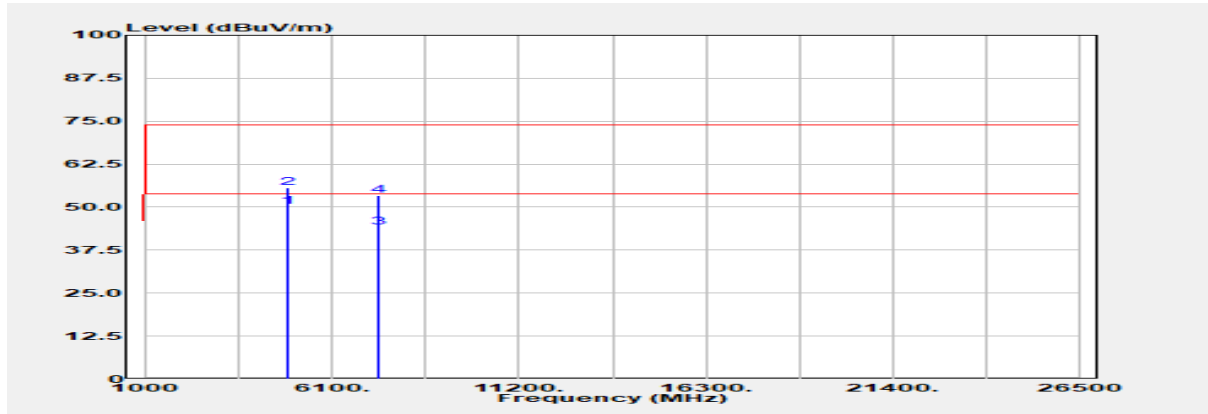
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Report Number :TERF2207001114E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



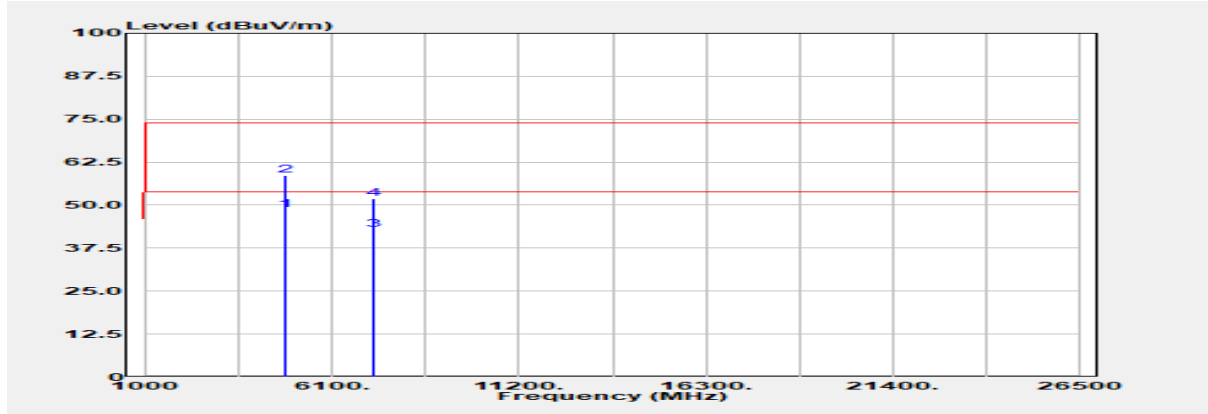
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4924.000	Average	50.25	-0.13	50.12	54.00	-3.88
4924.000	Peak	55.86	-0.13	55.72	74.00	-18.28
7386.000	Average	36.57	7.63	44.20	54.00	-9.80
7386.000	Peak	45.63	7.63	53.26	74.00	-20.74

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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4824.000	Average	48.62	-0.10	48.52	54.00	-5.48
4824.000	Peak	58.66	-0.10	58.56	74.00	-15.44
7236.000	Average	35.21	7.57	42.78	54.00	-11.22
7236.000	Peak	44.34	7.57	51.90	74.00	-22.10

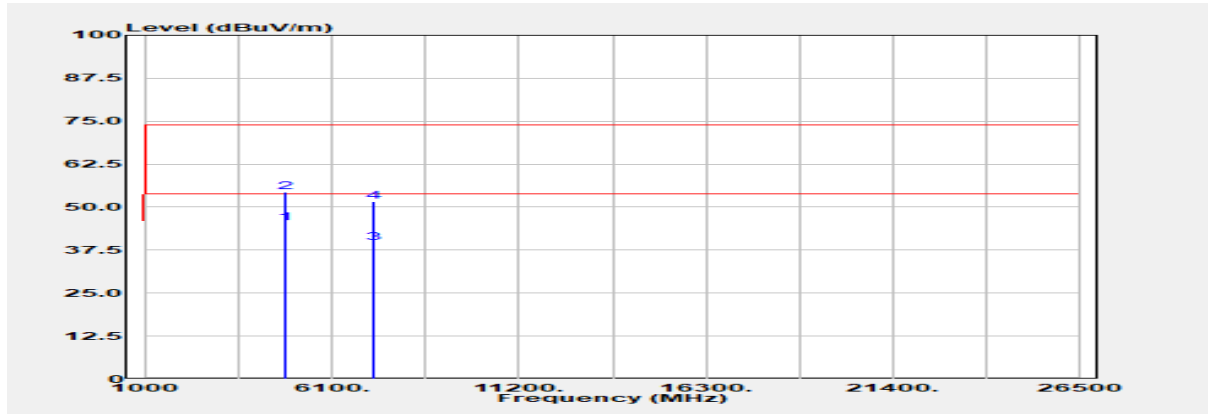
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4824.000	Average	45.46	-0.10	45.36	54.00	-8.64
4824.000	Peak	54.41	-0.10	54.31	74.00	-19.69
7236.000	Average	31.97	7.57	39.54	54.00	-14.46
7236.000	Peak	44.02	7.57	51.58	74.00	-22.42

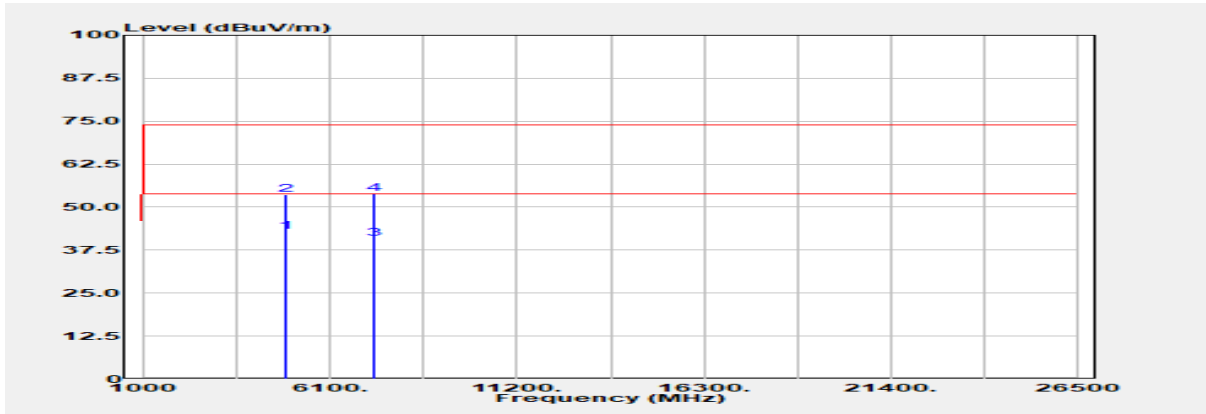
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



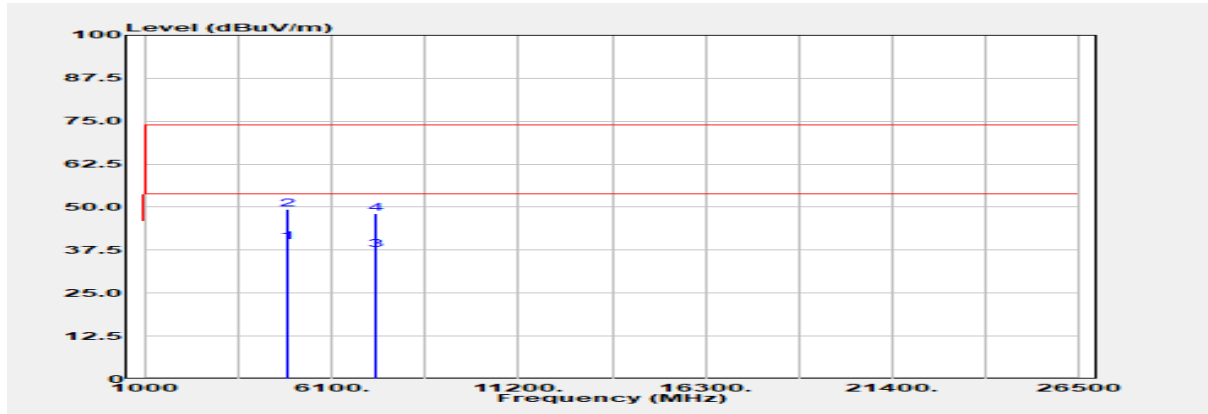
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4874.000	Average	43.03	-0.26	42.77	54.00	-11.23
4874.000	Peak	53.84	-0.26	53.58	74.00	-20.42
7311.000	Average	34.19	6.68	40.87	54.00	-13.13
7311.000	Peak	47.10	6.68	53.78	74.00	-20.22

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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4874.000	Average	40.01	-0.26	39.75	54.00	-14.25
4874.000	Peak	49.51	-0.26	49.25	74.00	-24.75
7311.000	Average	30.95	6.68	37.63	54.00	-16.37
7311.000	Peak	41.32	6.68	48.00	74.00	-26.00

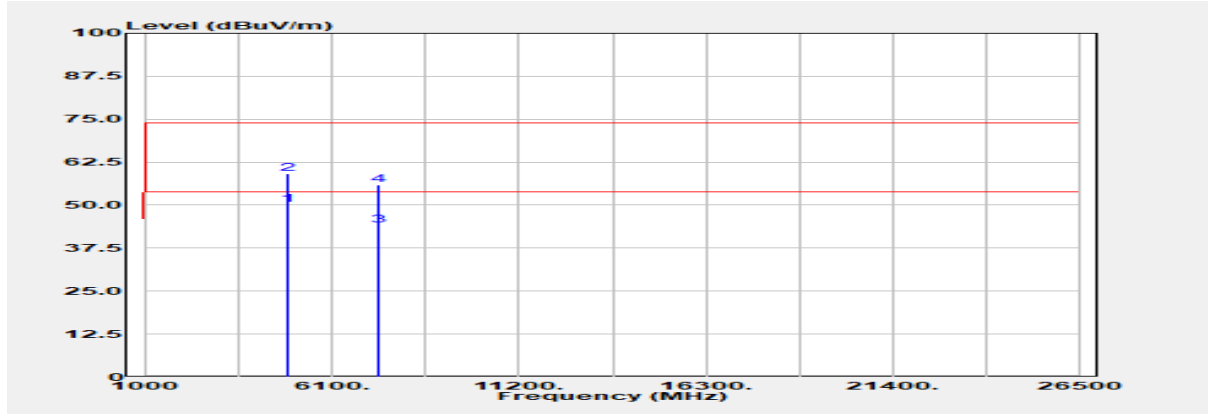
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4924.000	Average	50.26	-0.13	50.13	54.00	-3.87
4924.000	Peak	59.30	-0.13	59.16	74.00	-14.84
7386.000	Average	36.49	7.63	44.12	54.00	-9.88
7386.000	Peak	48.37	7.63	56.00	74.00	-18.00

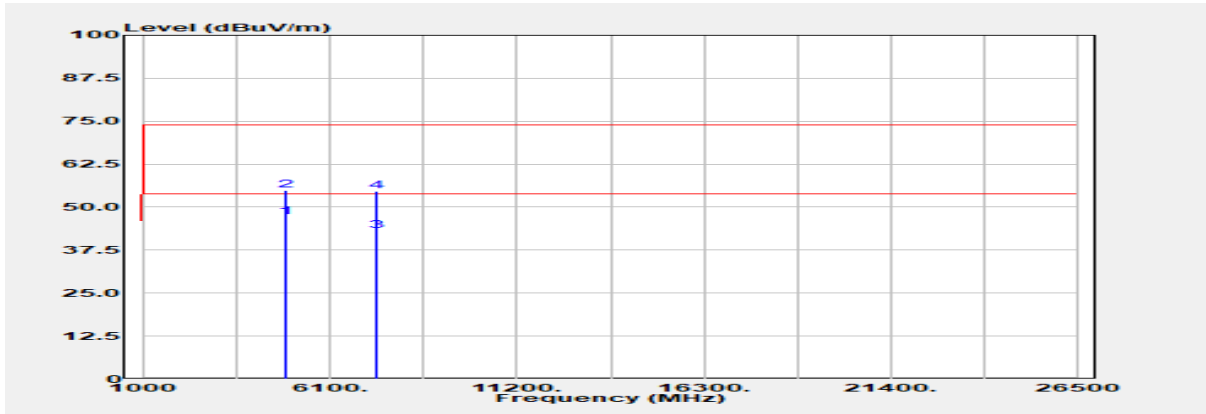
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Report Number :TERF2207001114E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4924.000	Average	47.33	-0.13	47.20	54.00	-6.80
4924.000	Peak	54.91	-0.13	54.78	74.00	-19.22
7386.000	Average	35.52	7.63	43.15	54.00	-10.85
7386.000	Peak	46.96	7.63	54.59	74.00	-19.41

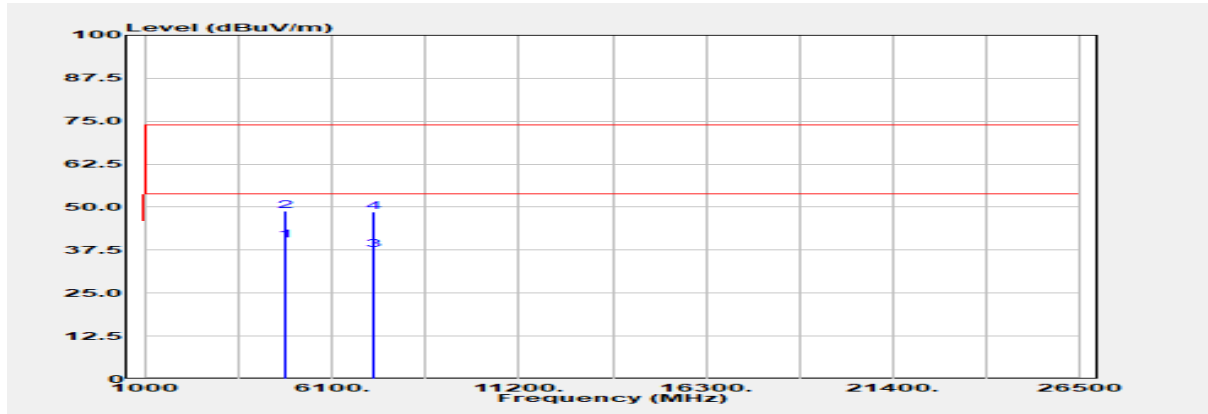
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4844.000	Average	40.17	0.08	40.26	54.00	-13.74
4844.000	Peak	48.89	0.08	48.97	74.00	-25.03
7266.000	Average	30.16	7.53	37.69	54.00	-16.31
7266.000	Peak	41.12	7.53	48.65	74.00	-25.35

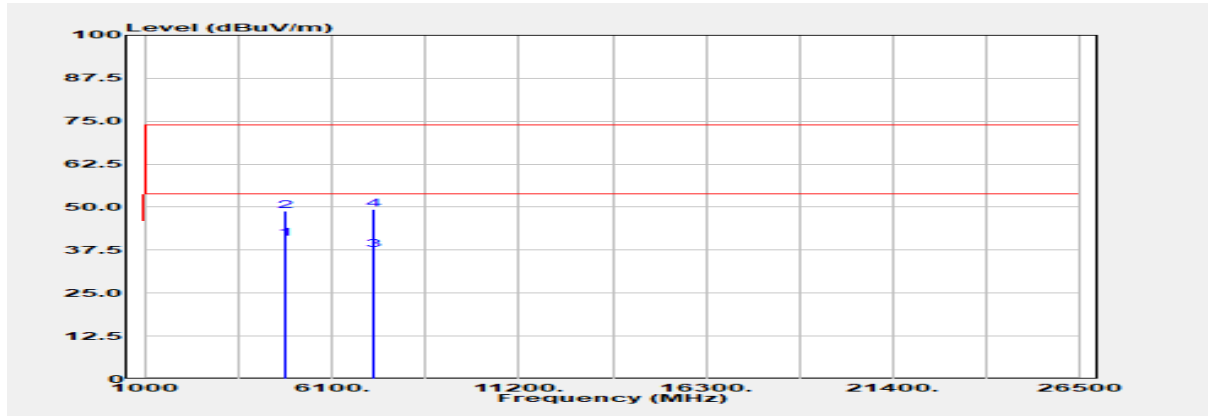
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4844.000	Average	40.67	0.08	40.76	54.00	-13.24
4844.000	Peak	48.73	0.08	48.81	74.00	-25.19
7266.000	Average	30.01	7.53	37.53	54.00	-16.47
7266.000	Peak	41.84	7.53	49.37	74.00	-24.63

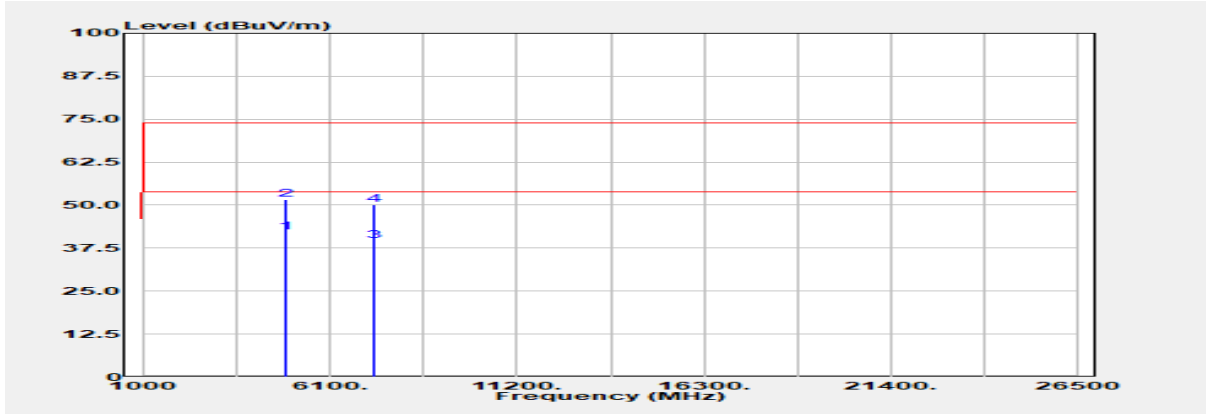
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4874.000	Average	42.31	-0.26	42.05	54.00	-11.95
4874.000	Peak	51.85	-0.26	51.59	74.00	-22.41
7311.000	Average	33.03	6.68	39.71	54.00	-14.29
7311.000	Peak	43.34	6.68	50.02	74.00	-23.98

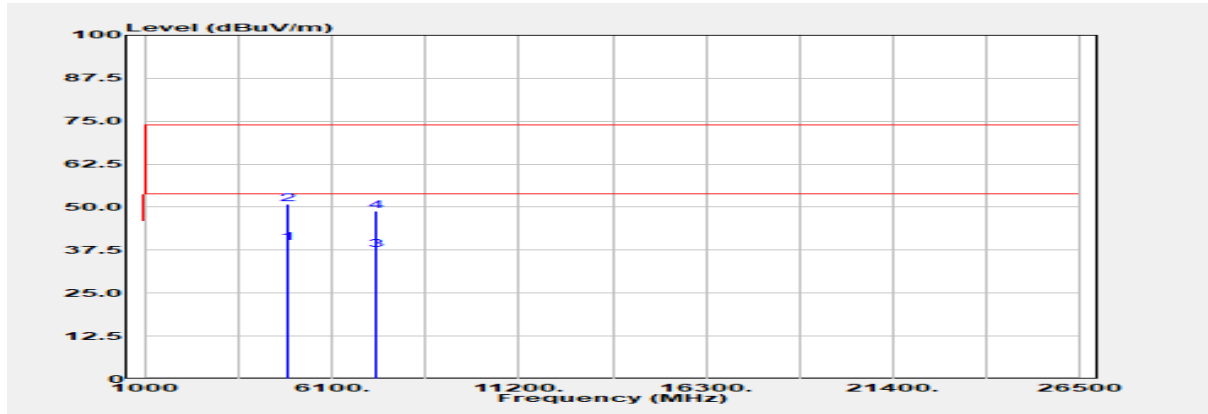
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4874.000	Average	39.80	-0.26	39.54	54.00	-14.46
4874.000	Peak	51.23	-0.26	50.97	74.00	-23.03
7311.000	Average	30.99	6.68	37.67	54.00	-16.33
7311.000	Peak	42.09	6.68	48.77	74.00	-25.23

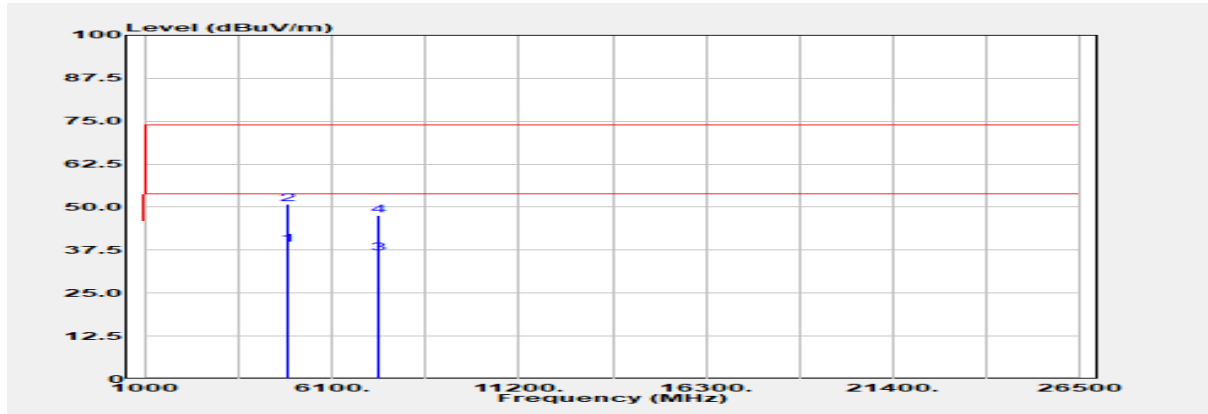
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4904.000	Average	39.80	-0.60	39.20	54.00	-14.80
4904.000	Peak	51.61	-0.60	51.00	74.00	-23.00
7356.000	Average	29.14	7.53	36.67	54.00	-17.33
7356.000	Peak	40.16	7.53	47.69	74.00	-26.31

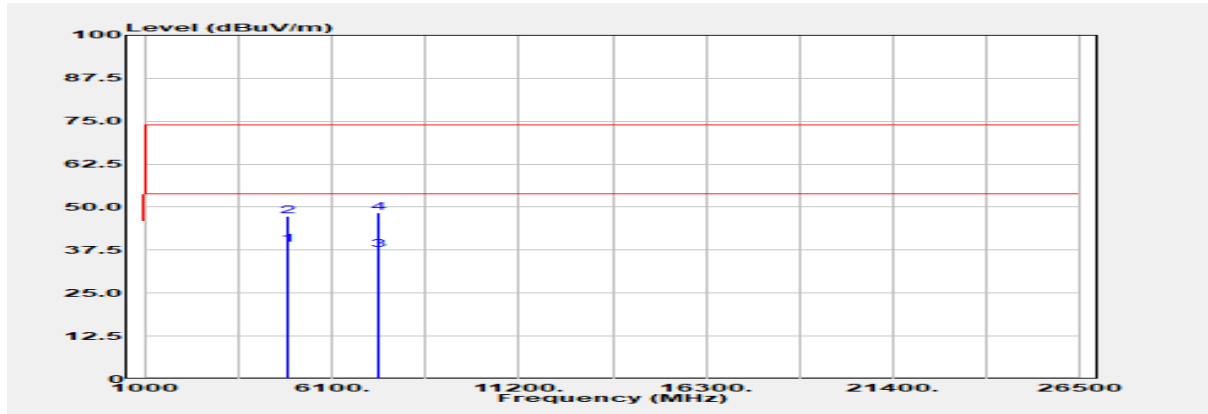
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Report Number :TERF2207001114E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4904.000	Average	39.82	-0.60	39.22	54.00	-14.78
4904.000	Peak	48.09	-0.60	47.48	74.00	-26.52
7356.000	Average	30.16	7.53	37.69	54.00	-16.31
7356.000	Peak	40.80	7.53	48.33	74.00	-25.67

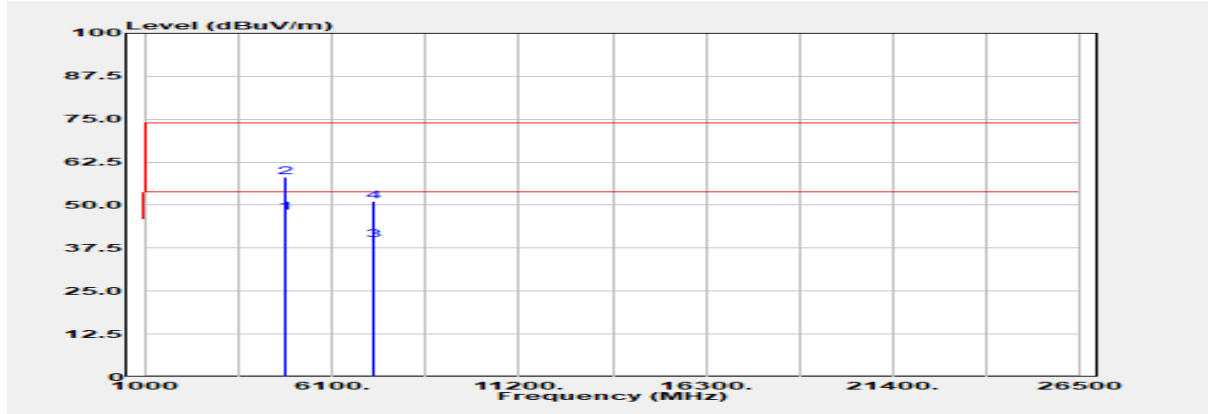
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4824.000	Average	48.06	-0.10	47.95	54.00	-6.05
4824.000	Peak	58.36	-0.10	58.26	74.00	-15.74
7236.000	Average	32.28	7.57	39.85	54.00	-14.15
7236.000	Peak	43.51	7.57	51.08	74.00	-22.92

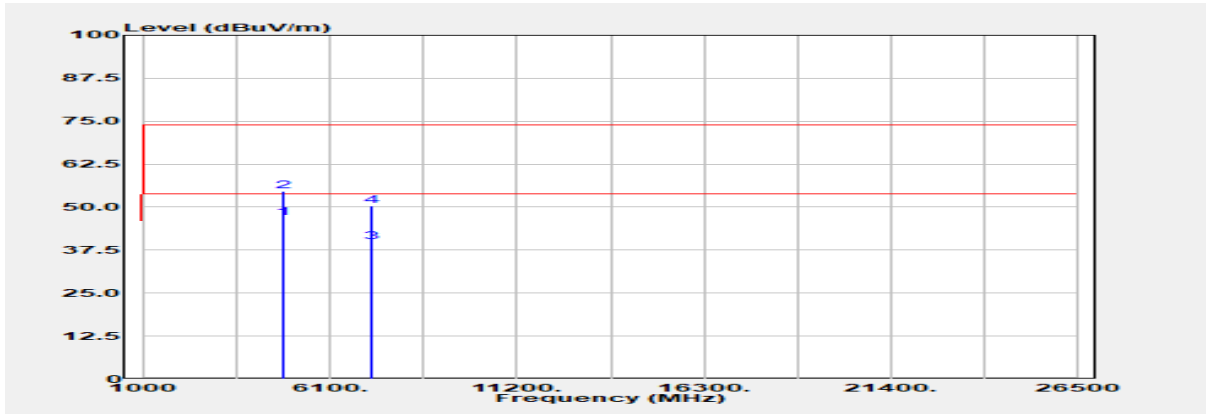
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4824.000	Average	46.85	-0.10	46.75	54.00	-7.25
4824.000	Peak	54.70	-0.10	54.60	74.00	-19.40
7236.000	Average	32.34	7.57	39.91	54.00	-14.09
7236.000	Peak	42.86	7.57	50.42	74.00	-23.58

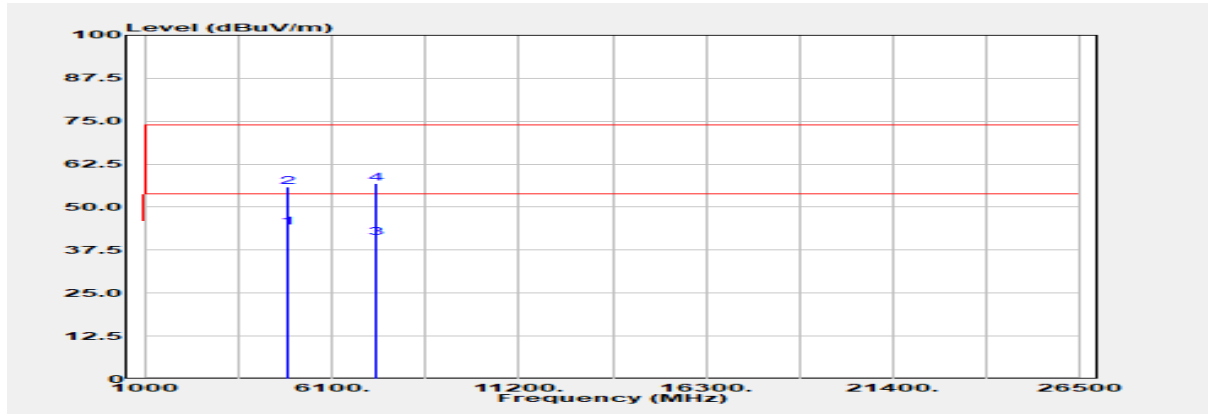
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



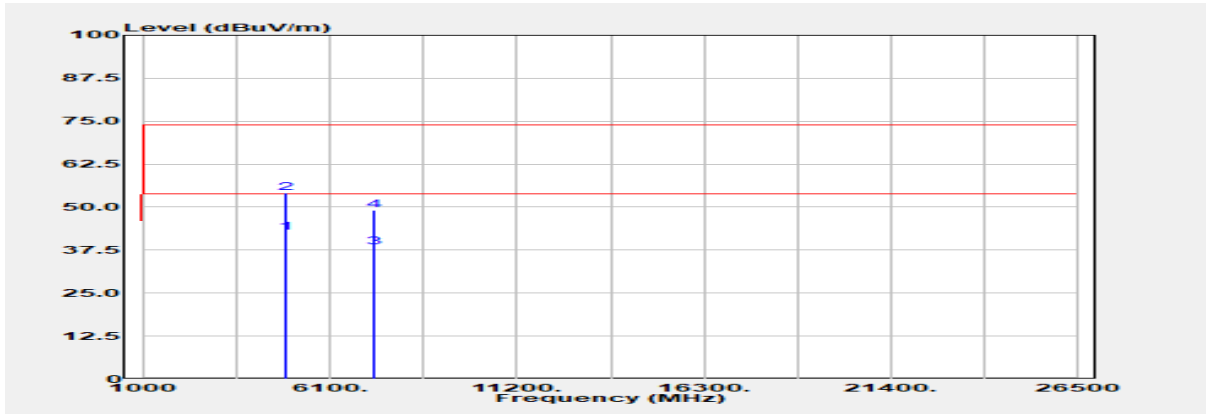
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4874.000	Average	44.34	-0.26	44.08	54.00	-9.92
4874.000	Peak	56.15	-0.26	55.89	74.00	-18.11
7311.000	Average	34.53	6.68	41.21	54.00	-12.79
7311.000	Peak	50.32	6.68	57.00	74.00	-17.00

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



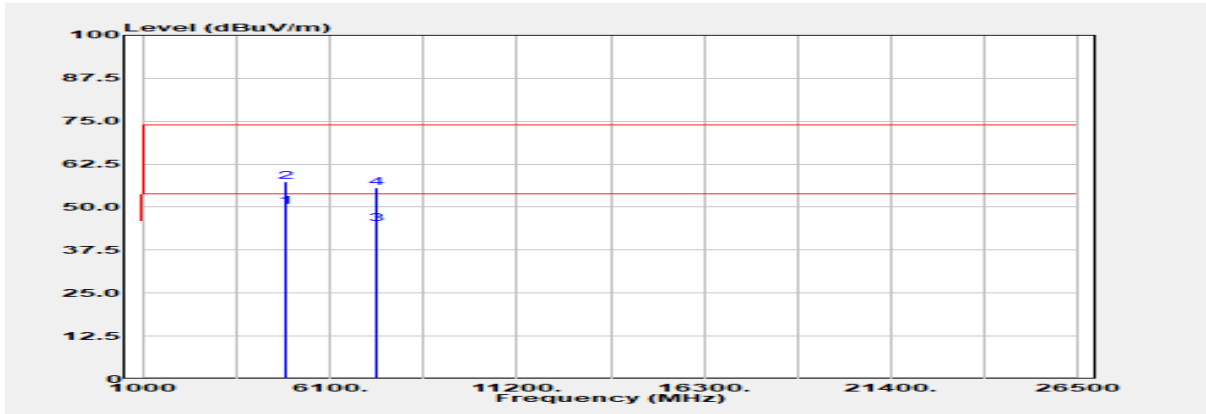
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4874.000	Average	42.79	-0.26	42.53	54.00	-11.47
4874.000	Peak	54.44	-0.26	54.17	74.00	-19.83
7311.000	Average	31.79	6.68	38.47	54.00	-15.53
7311.000	Peak	42.55	6.68	49.23	74.00	-24.77

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



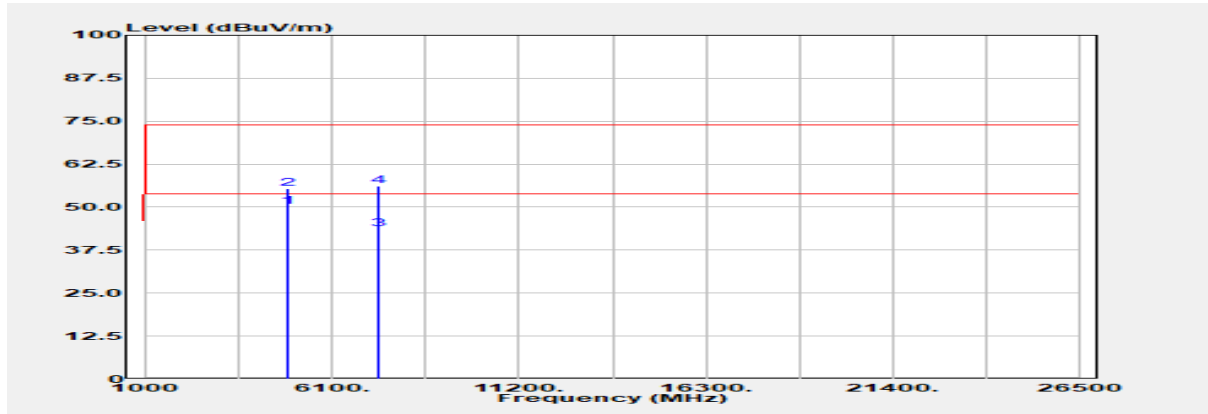
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4924.000	Average	50.28	-0.13	50.15	54.00	-3.85
4924.000	Peak	57.61	-0.13	57.48	74.00	-16.52
7386.000	Average	37.56	7.63	45.19	54.00	-8.81
7386.000	Peak	47.92	7.63	55.56	74.00	-18.44

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4924.000	Average	50.28	-0.13	50.15	54.00	-3.85
4924.000	Peak	55.59	-0.13	55.45	74.00	-18.55
7386.000	Average	35.92	7.63	43.55	54.00	-10.45
7386.000	Peak	48.55	7.63	56.19	74.00	-17.81

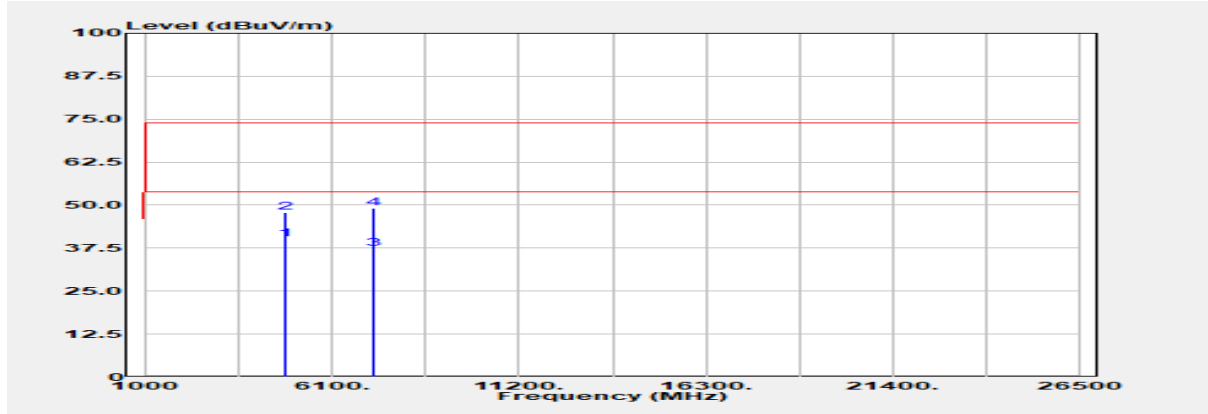
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4844.000	Average	39.98	0.08	40.06	54.00	-13.94
4844.000	Peak	47.80	0.08	47.89	74.00	-26.11
7266.000	Average	29.70	7.53	37.22	54.00	-16.78
7266.000	Peak	41.49	7.53	49.01	74.00	-24.99

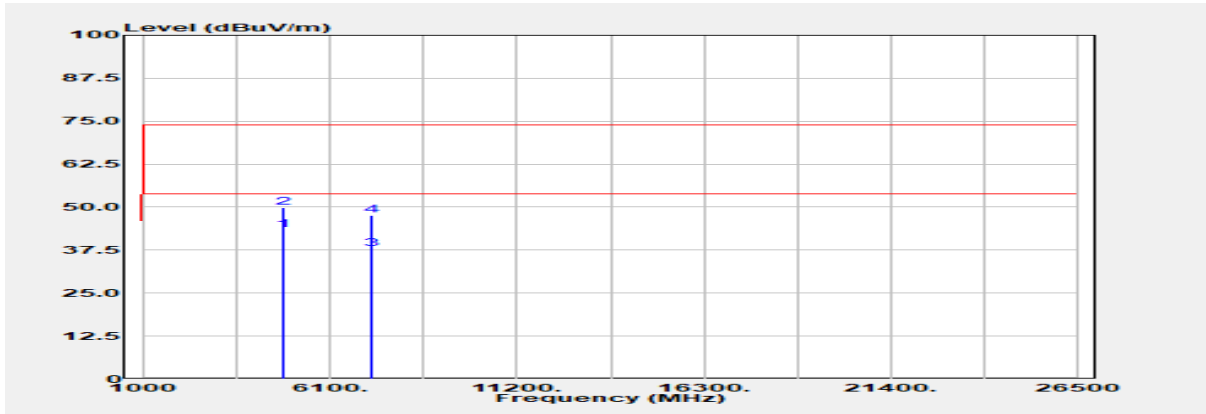
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



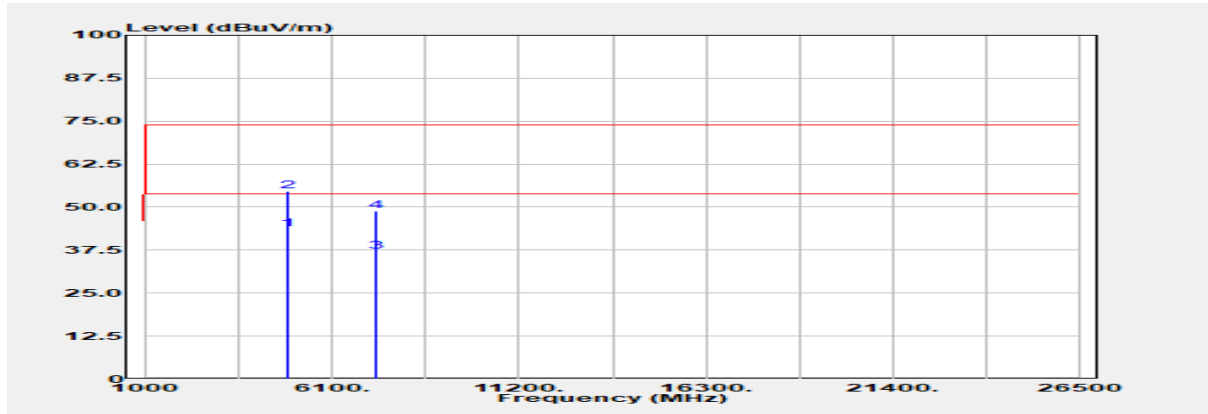
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4844.000	Average	43.16	0.08	43.24	54.00	-10.76
4844.000	Peak	49.73	0.08	49.81	74.00	-24.19
7266.000	Average	30.43	7.53	37.95	54.00	-16.05
7266.000	Peak	40.02	7.53	47.54	74.00	-26.46

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



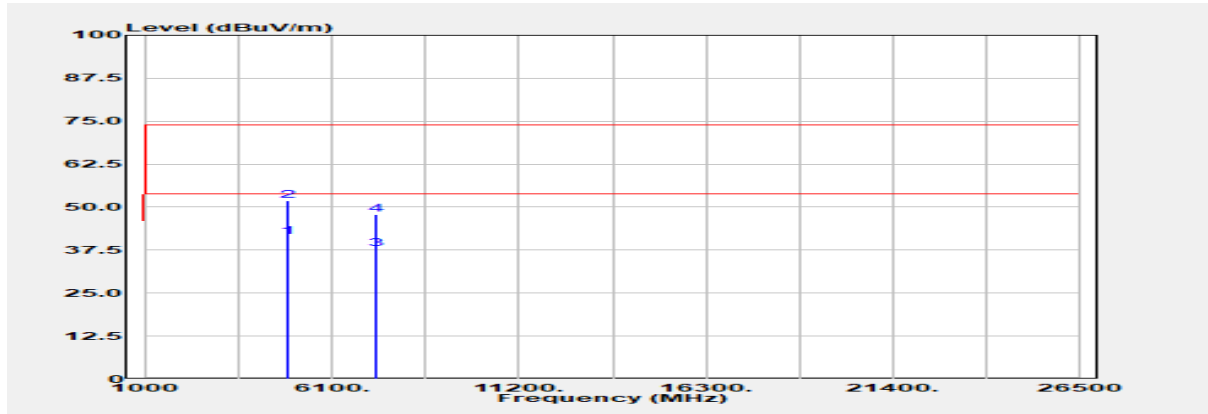
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4874.000	Average	43.83	-0.26	43.56	54.00	-10.44
4874.000	Peak	54.78	-0.26	54.51	74.00	-19.49
7311.000	Average	30.49	6.68	37.17	54.00	-16.83
7311.000	Peak	42.13	6.68	48.81	74.00	-25.19

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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2437 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4874.000	Average	41.52	-0.26	41.26	54.00	-12.74
4874.000	Peak	52.13	-0.26	51.86	74.00	-22.14
7311.000	Average	31.27	6.68	37.95	54.00	-16.05
7311.000	Peak	41.31	6.68	47.99	74.00	-26.01

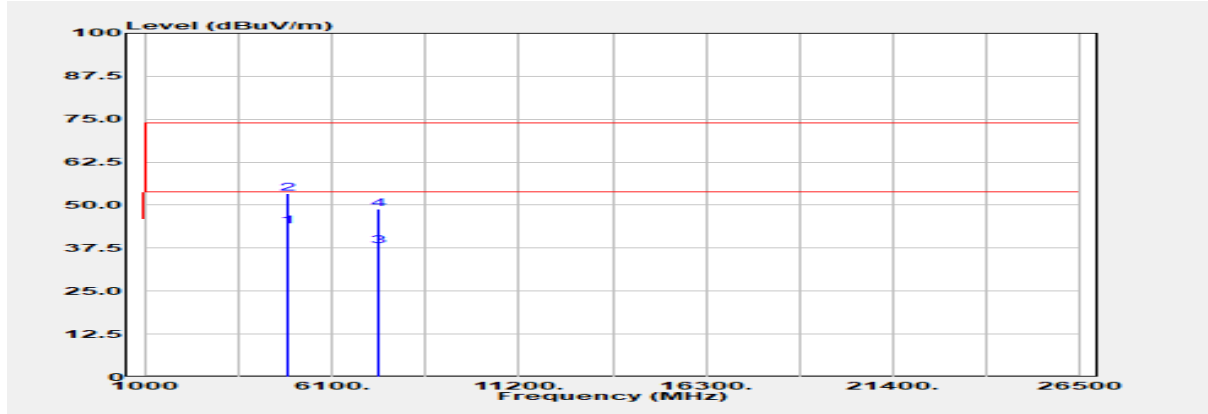
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Vertical
 Engineer :Howard Huang



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
4904.000	Average	44.38	-0.60	43.77	54.00	-10.23
4904.000	Peak	53.88	-0.60	53.28	74.00	-20.72
7356.000	Average	30.60	7.53	38.13	54.00	-15.87
7356.000	Peak	41.47	7.53	48.99	74.00	-25.01

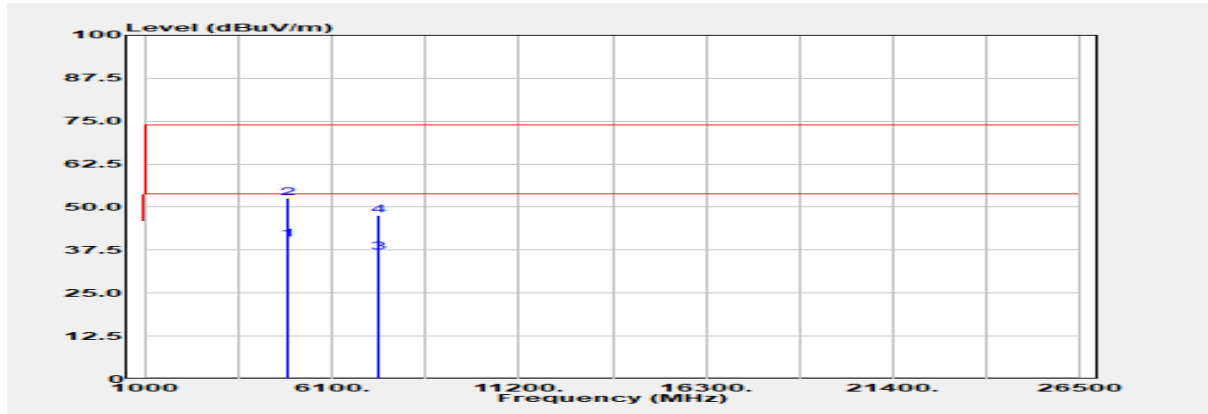
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Report Number :TERF2207001114E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :TX
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2022-09-14
 Temp./Humi. :23.8/63
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



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
4904.000	Average	41.20	-0.60	40.59	54.00	-13.41
4904.000	Peak	53.23	-0.60	52.63	74.00	-21.37
7356.000	Average	29.39	7.53	36.92	54.00	-17.08
7356.000	Peak	40.15	7.53	47.67	74.00	-26.33

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12 POWER SPECTRAL DENSITY

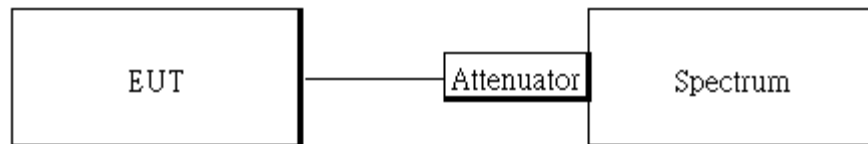
12.1 Standard Applicable

Per Part 15.247 (e)

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.

This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

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 & 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.

Note:

For the test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

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12.4 As per FCC KDB 662911 D01

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k} = \sqrt{20 \cdot 10^{G_k}}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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12.5 Power spectral density

POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-7.81	-	-7.81	8.00	PASS
2437	-7.27	-	-7.27	8.00	PASS
2462	-6.36	-	-6.36	8.00	PASS

POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-8.26	-8.11	-5.17	8.00	PASS
2437	-10.12	-9.39	-6.73	8.00	PASS
2462	-11.01	-7.33	-5.78	8.00	PASS

POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-9.7	-8.13	-5.83	8.00	PASS
2437	-7.95	-7.83	-4.88	8.00	PASS
2462	-9.46	-8.38	-5.88	8.00	PASS

POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-11.72	-11.05	-8.36	8.00	PASS
2437	-10.89	-11.39	-8.12	8.00	PASS
2452	-11.75	-10.42	-8.02	8.00	PASS

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POWER DENSITY 802.11ax HE20						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-10.22	-10.09	-7.14	8.00	PASS
	26/0	-2.17	-1.88	0.99	8.00	PASS
	52/37	-3.95	-4.05	-0.99	8.00	PASS
	106/53	-7.91	-7.88	-4.88	8.00	PASS
2437	full	-9.3	-9.13	-6.20	8.00	PASS
2462	full	-10.99	-10.5	-7.73	8.00	PASS
	26/8	-4.2	-3.71	-0.94	8.00	PASS
	52/40	-6.63	-5.94	-3.26	8.00	PASS
	106/54	-7.69	-8.05	-4.86	8.00	PASS

POWER DENSITY 802.11ax HE40						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-12.19	-11.98	-9.07	8.00	PASS
	242/61	-13.68	-14.12	-10.88	8.00	PASS
2437	full	-12.86	-11.87	-9.33	8.00	PASS
2452	full	-12.06	-12.25	-9.14	8.00	PASS
	242/62	-12.82	-12.21	-9.49	8.00	PASS

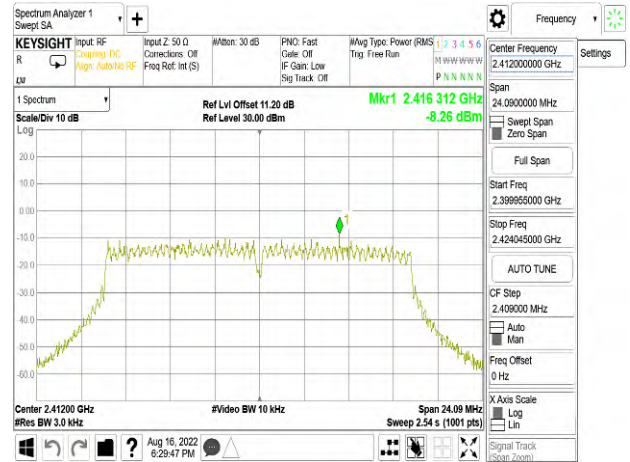
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802.11b_20MHz_Chain0_2412MHz



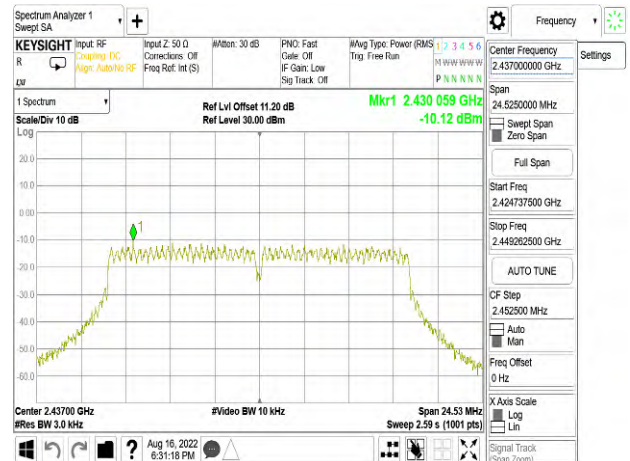
802.11g_20MHz_Chain0_2412MHz



802.11b_20MHz_Chain0_2437MHz



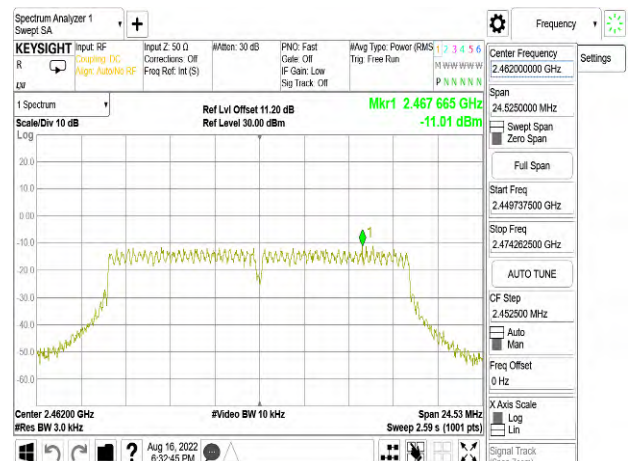
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802.11b_20MHz_Chain0_2462MHz



802.11g_20MHz_Chain0_2462MHz

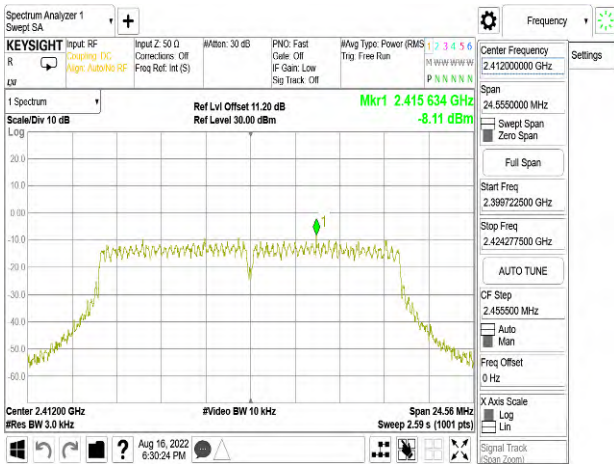


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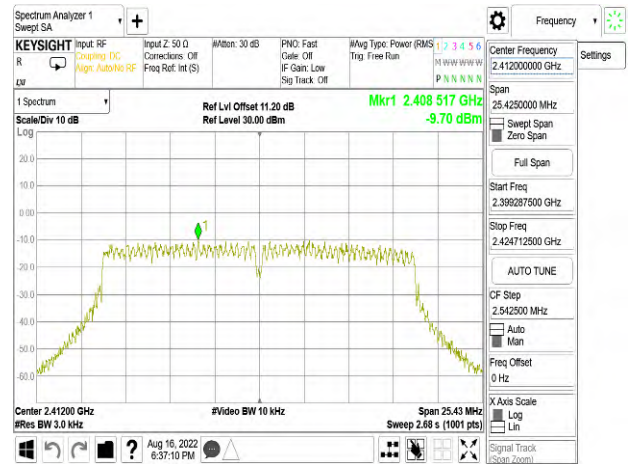
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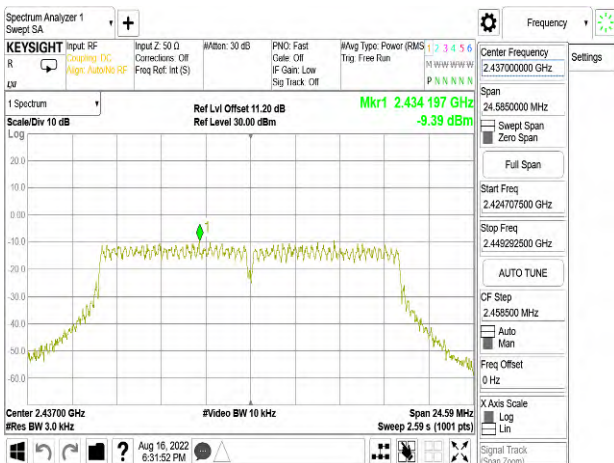
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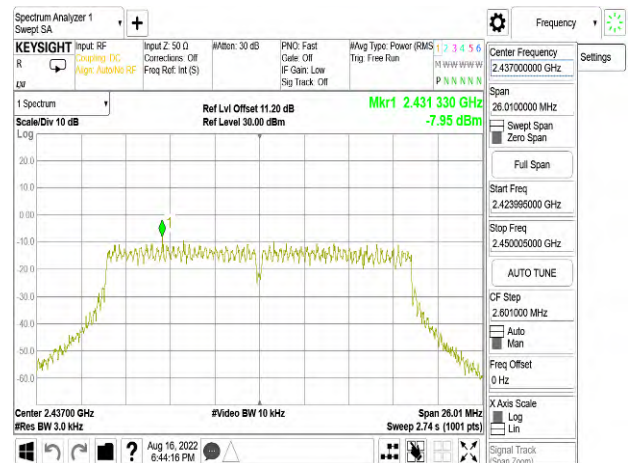
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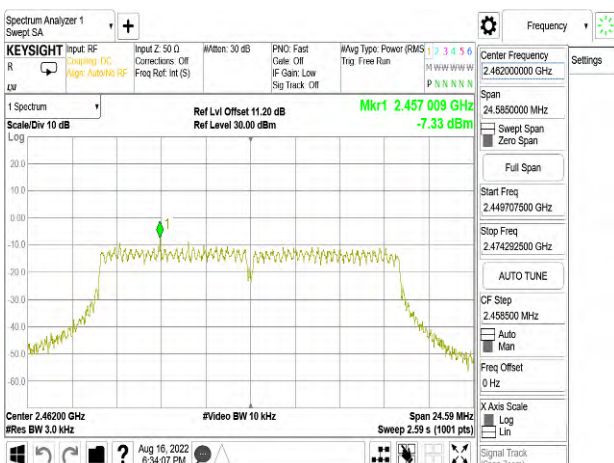
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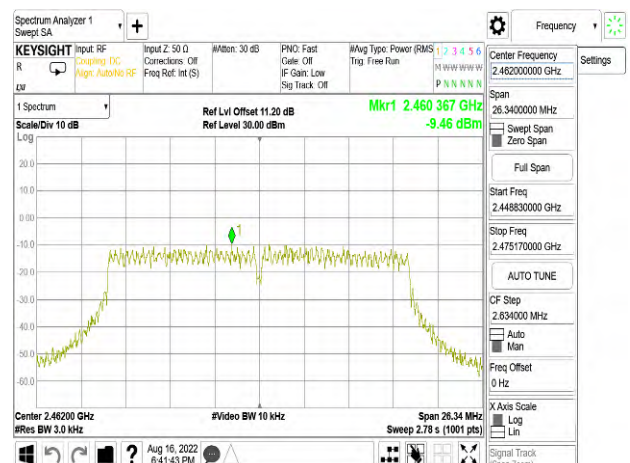
802.11n_20MHz_Chain0_2437MHz



802.11g_20MHz_Chain1_2462MHz



802.11n_20MHz_Chain0_2462MHz

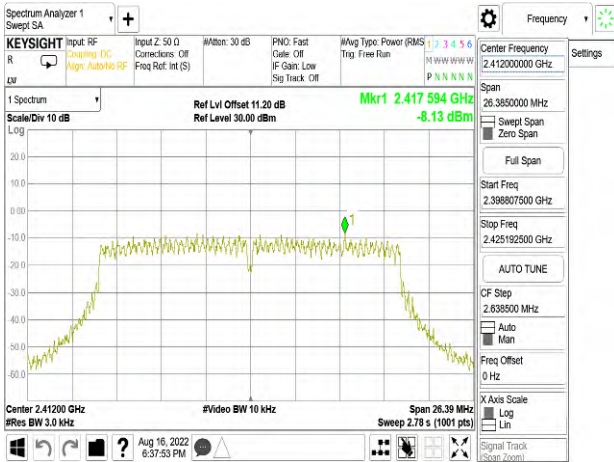


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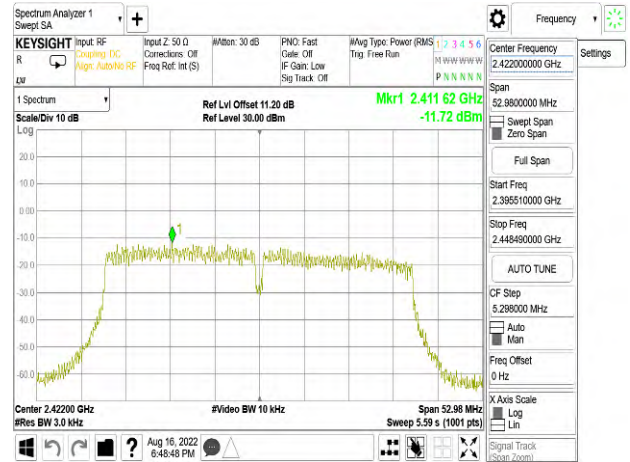
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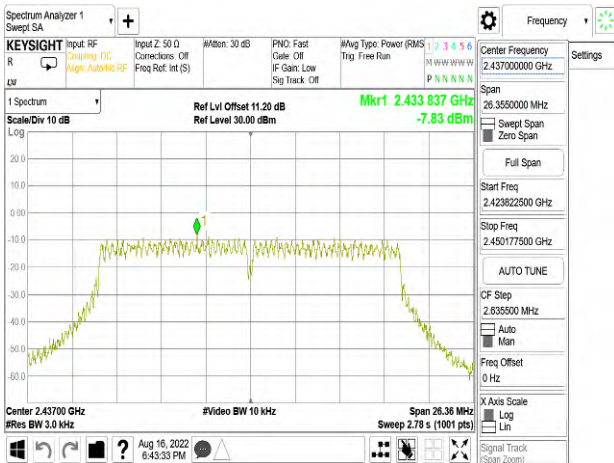
802.11n_20MHz_Chain1_2412MHz



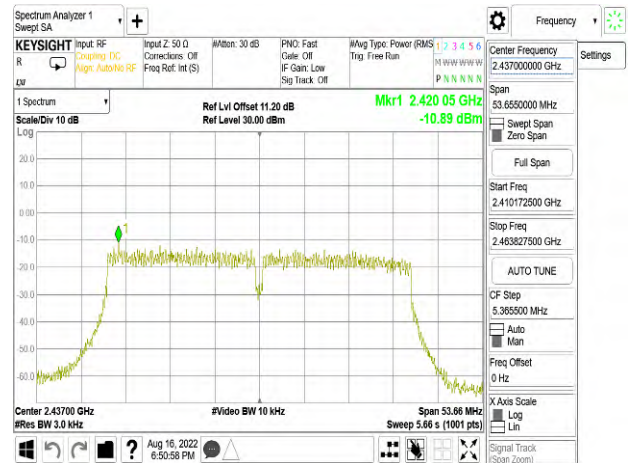
802.11n_40MHz_Chain0_2422MHz



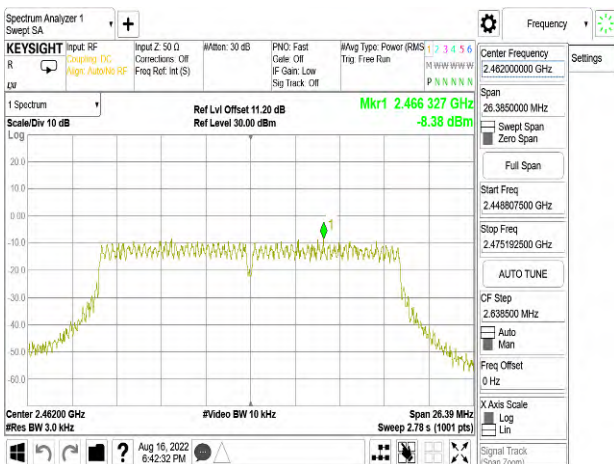
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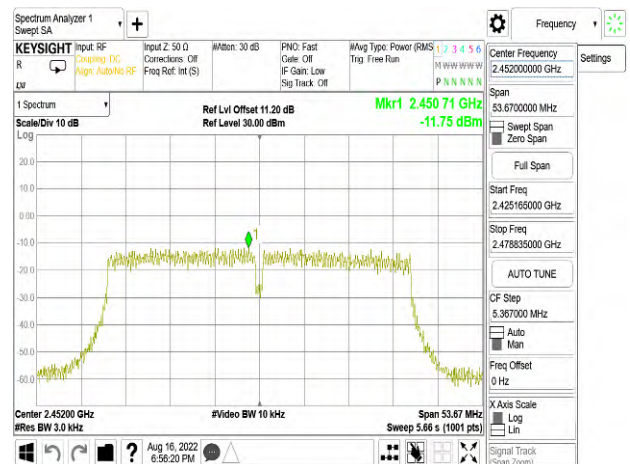
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802.11n_20MHz_Chain1_2462MHz



802.11n_40MHz_Chain0_2452MHz

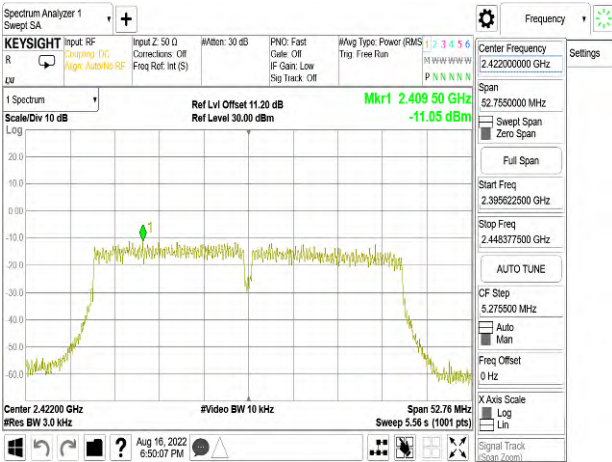


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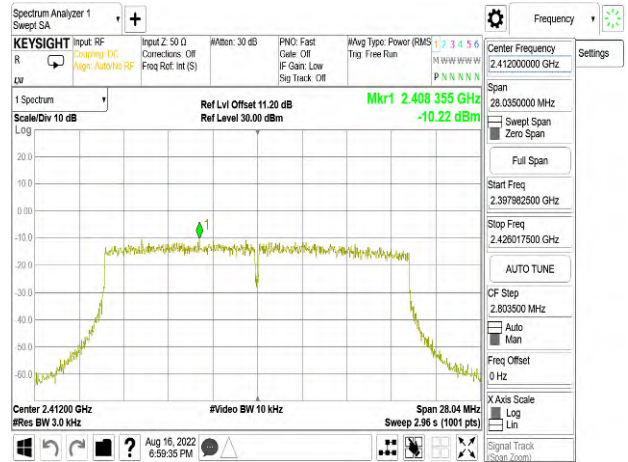
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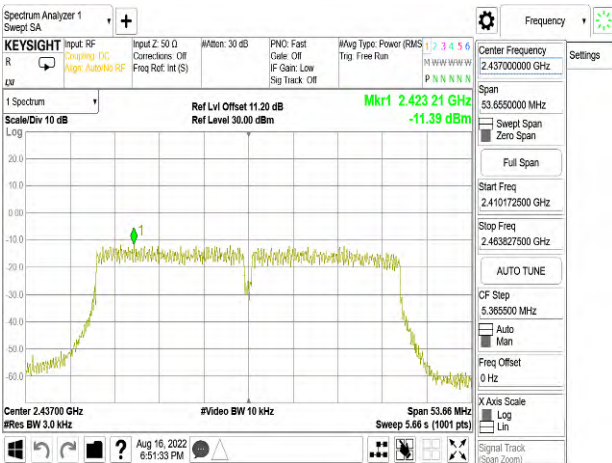
802.11n_40MHz_Chain1_2422MHz



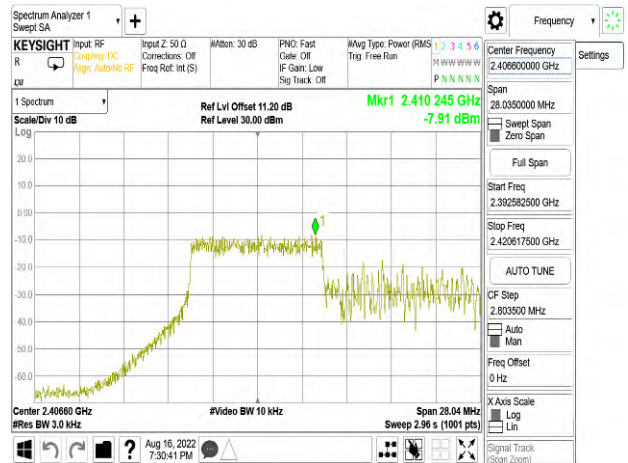
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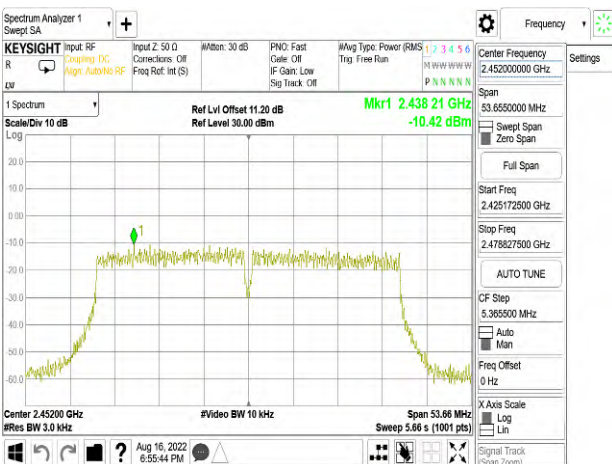
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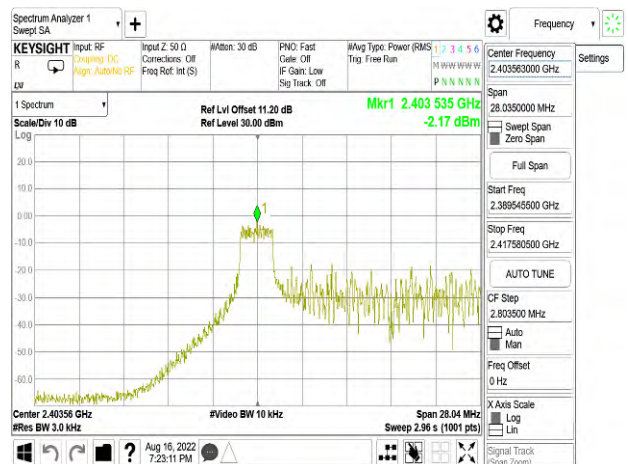
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802.11n_40MHz_Chain1_2452MHz



802.11ax_20MHz_Chain0_2412MHz_RU26_0

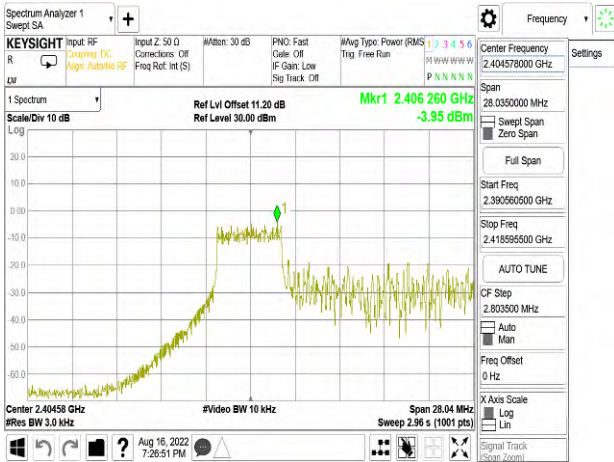


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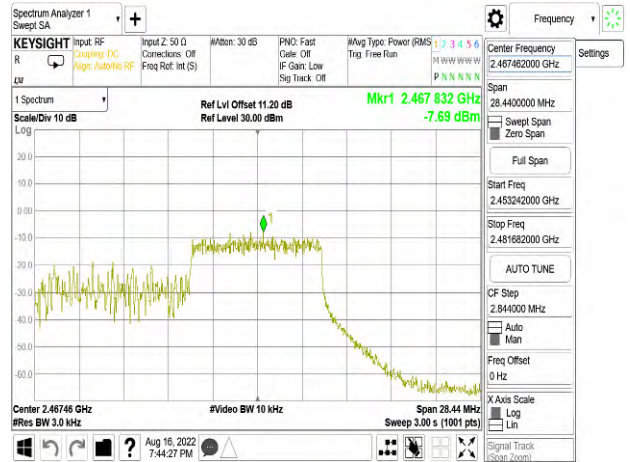
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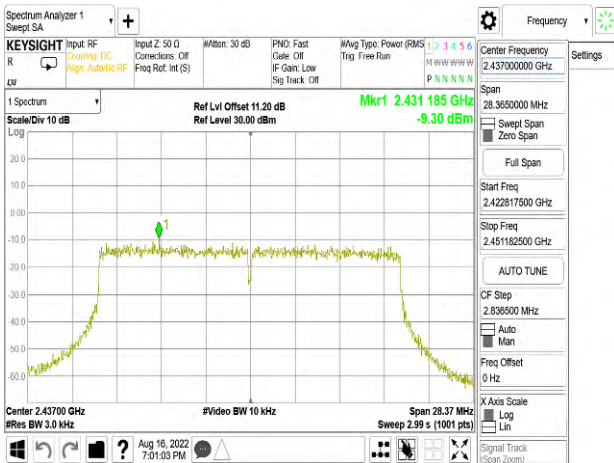
802.11ax_20MHz_Chain0_2412MHz_RU52_37



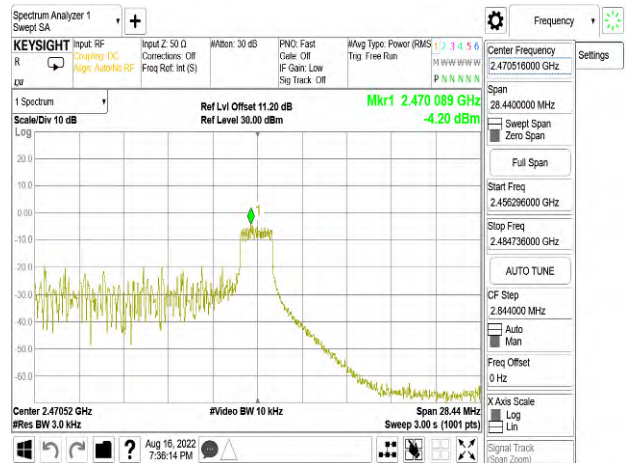
802.11ax_20MHz_Chain0_2462MHz_RU106_54



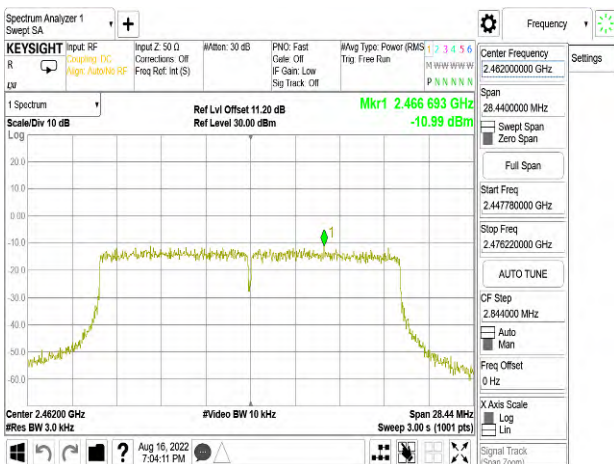
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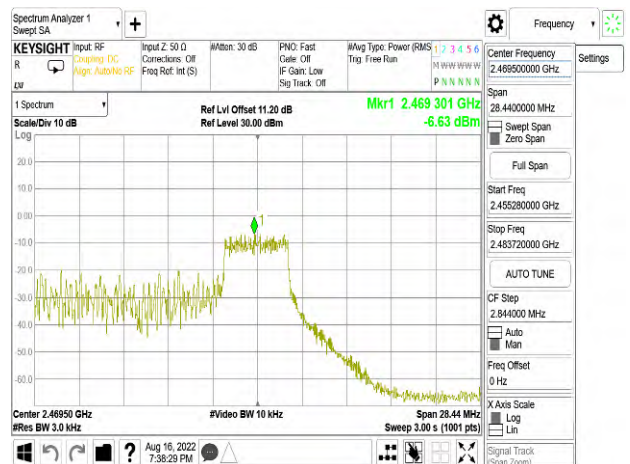
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802.11ax_20MHz_Chain0_2462MHz



802.11ax_20MHz_Chain0_2462MHz_RU52_40

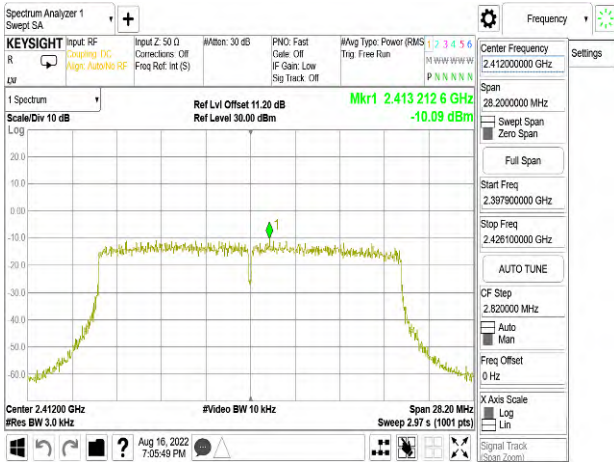


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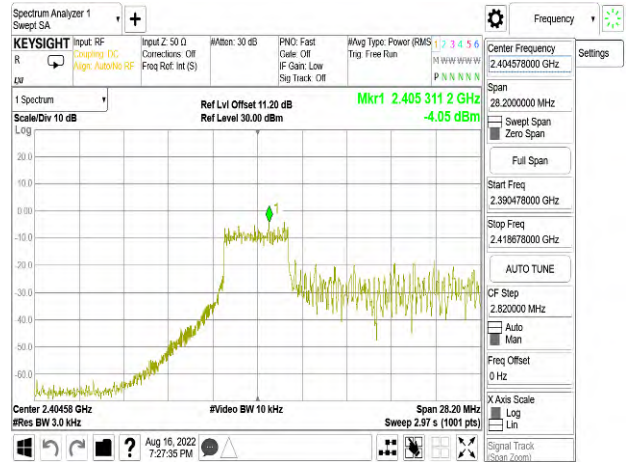
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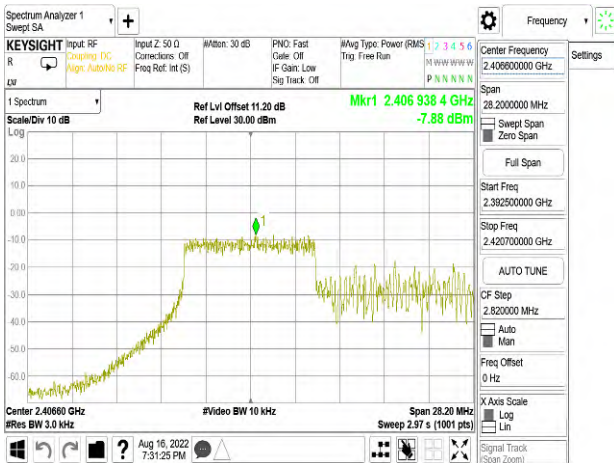
802.11ax_20MHz_Chain1_2412MHz



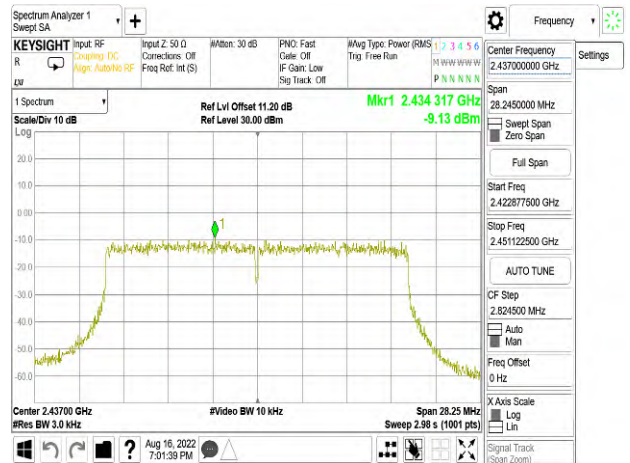
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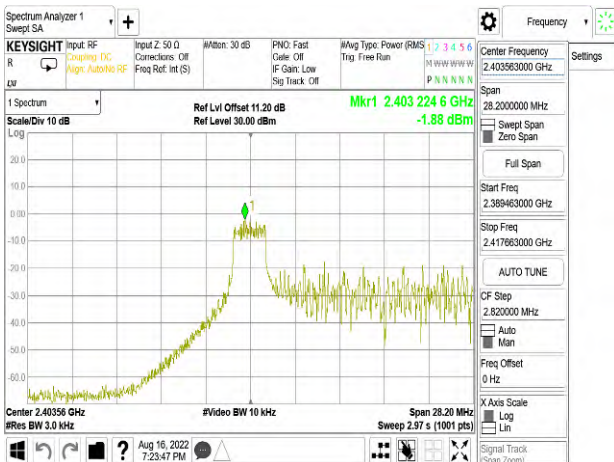
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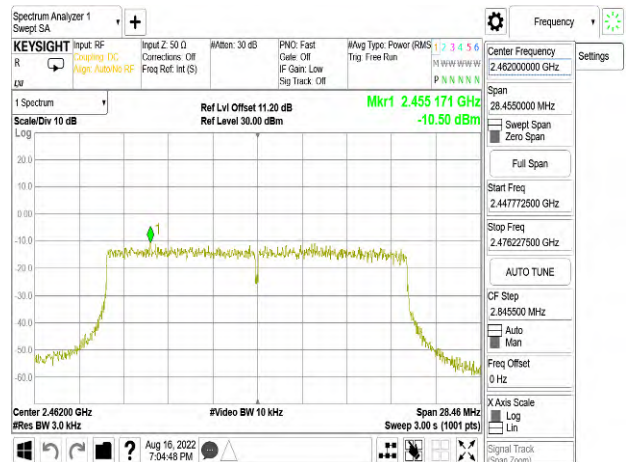
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802.11ax_20MHz_Chain1_2412MHz_RU26_0



802.11ax_20MHz_Chain1_2462MHz



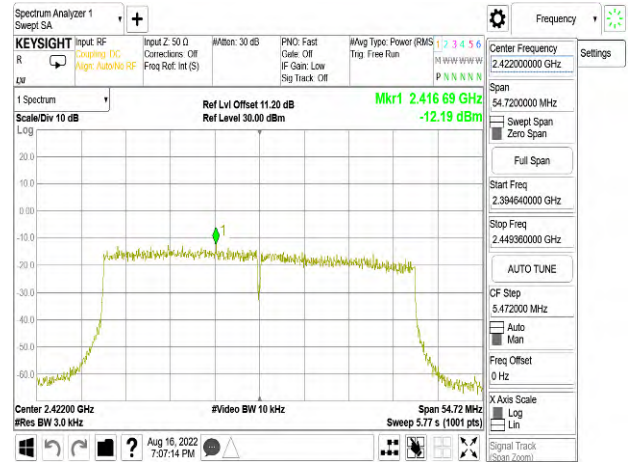
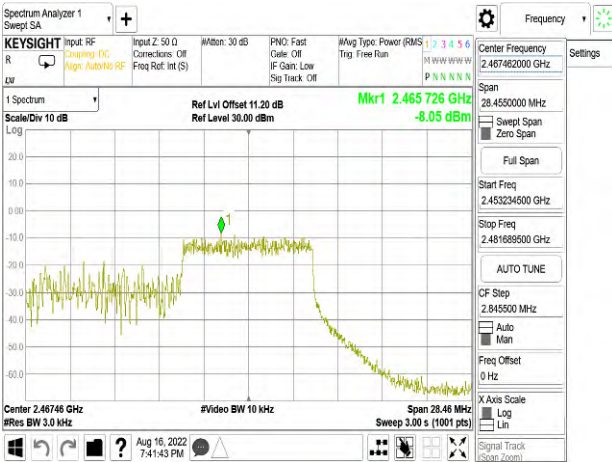
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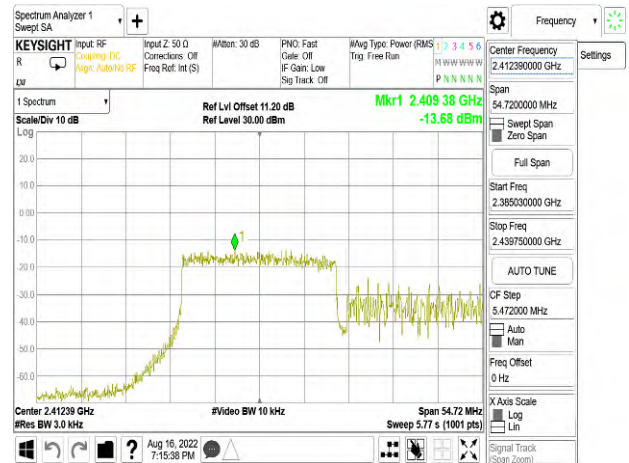
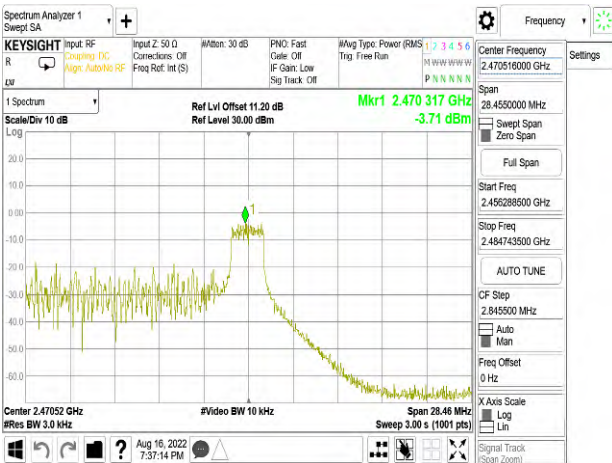
802.11ax_20MHz_Chain1_2462MHz_RU106_54

802.11ax_40MHz_Chain0_2422MHz



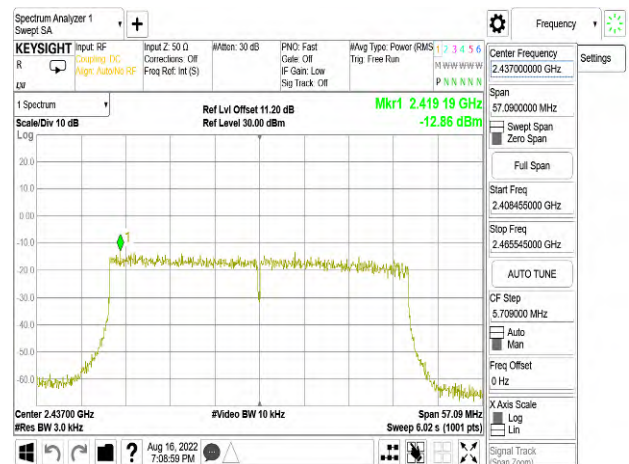
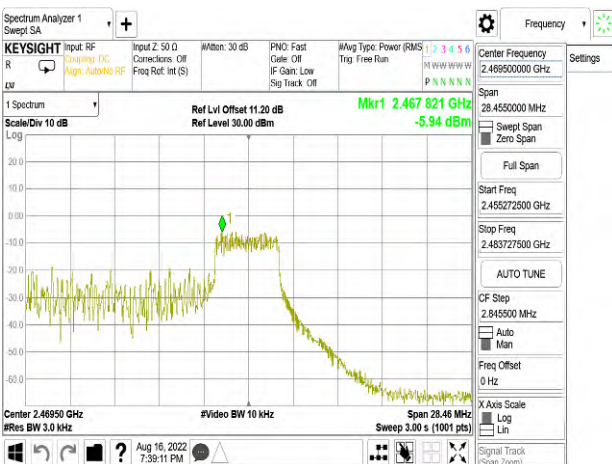
802.11ax_20MHz_Chain1_2462MHz_RU26_8

802.11ax_40MHz_Chain0_2422MHz_RU242_61



802.11ax_20MHz_Chain1_2462MHz_RU52_40

802.11ax_40MHz_Chain0_2437MHz

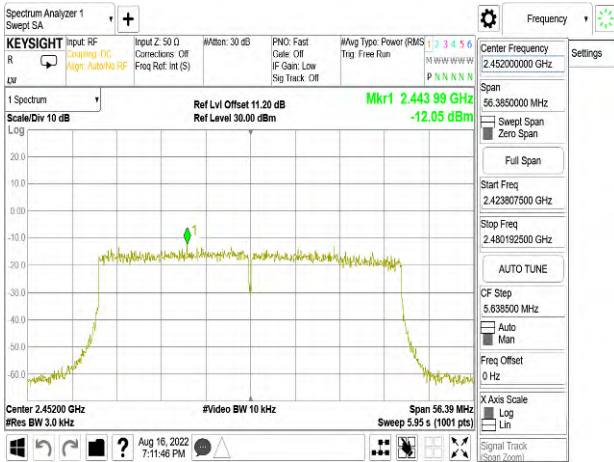


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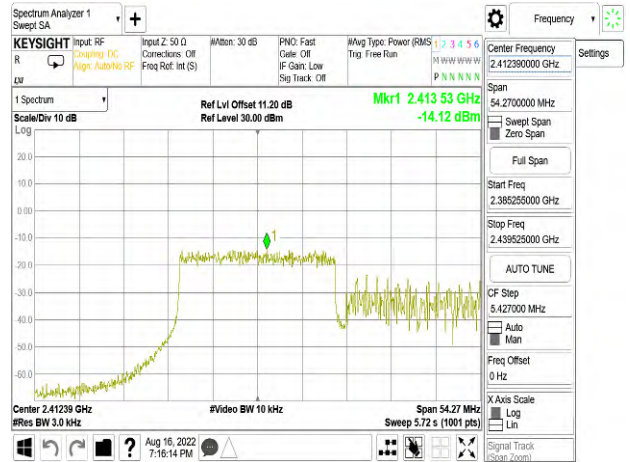
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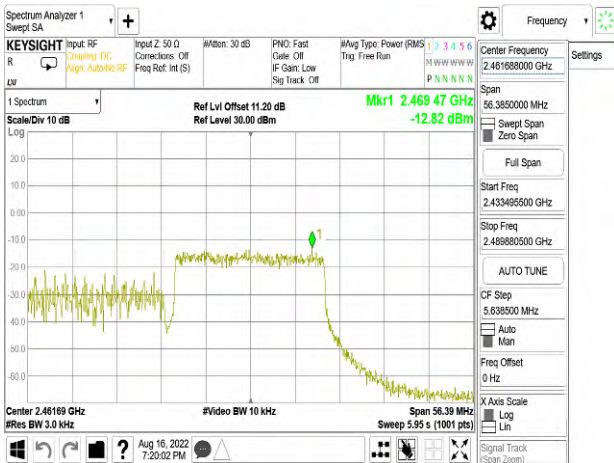
802.11ax_40MHz_Chain0_2452MHz



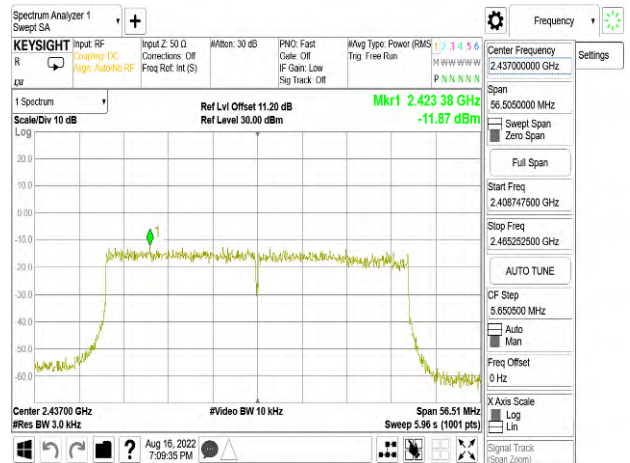
802.11ax_40MHz_Chain1_2422MHz_RU242_61



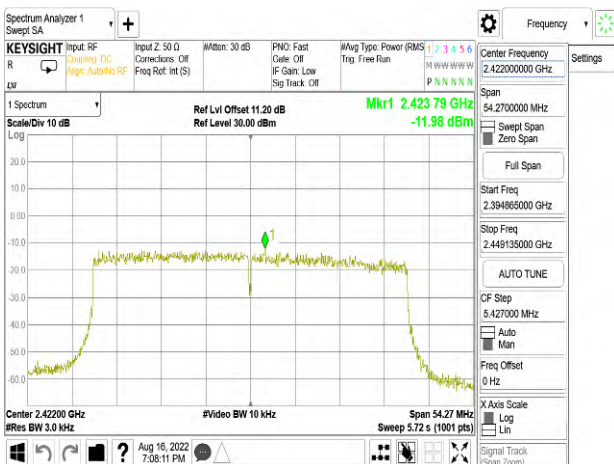
802.11ax_40MHz_Chain0_2452MHz_RU242_62



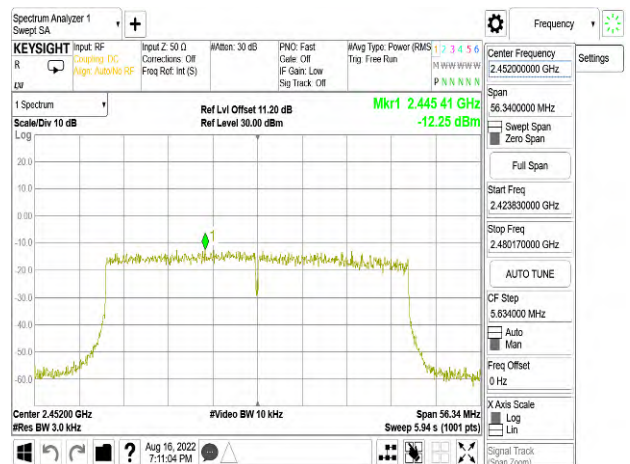
802.11ax_40MHz_Chain1_2437MHz



802.11ax_40MHz_Chain1_2422MHz



802.11ax_40MHz_Chain1_2452MHz

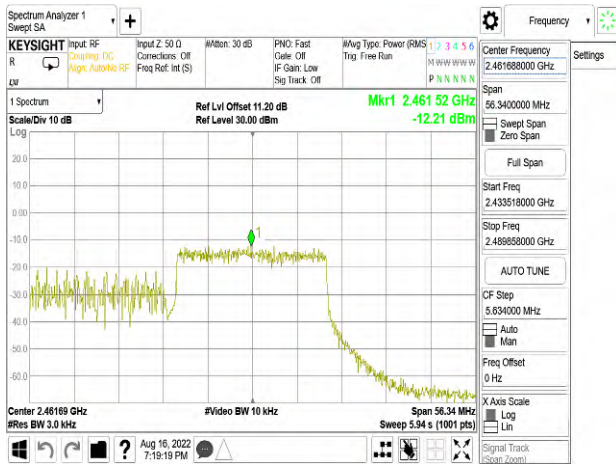


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802.11ax_40MHz_Chain1_2452MHz_RU242_62



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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 complies with this requirement and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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