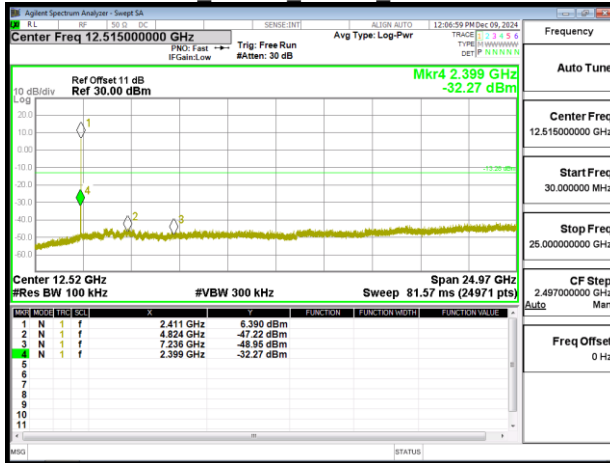
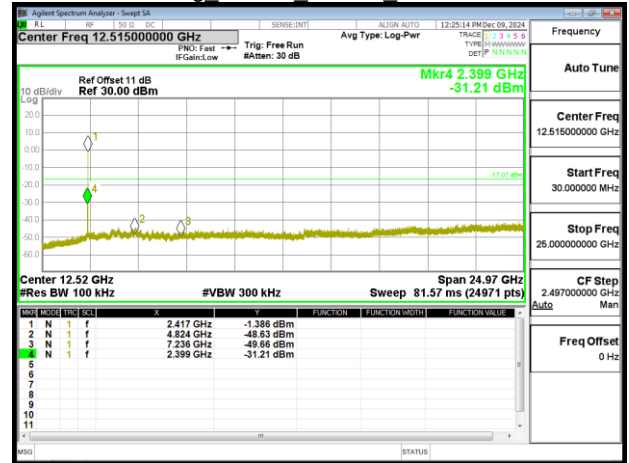


Spurious Emission

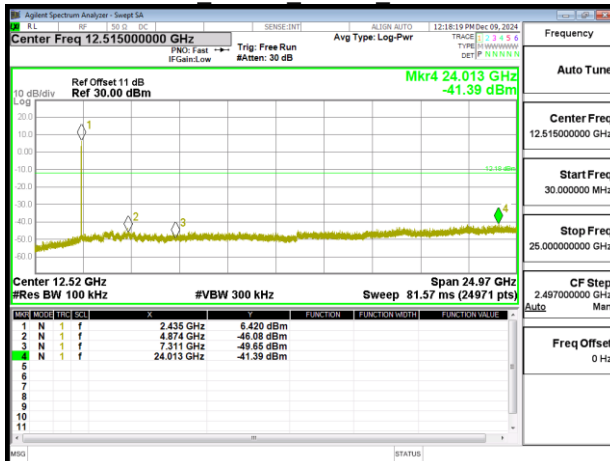
802.11b 20MHz Chain0 2412MHz



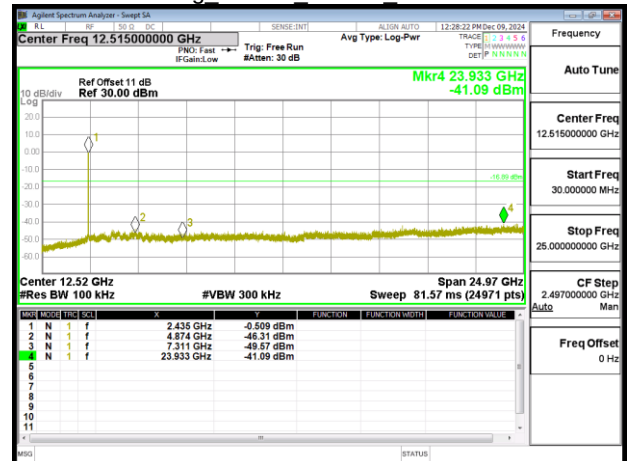
802.11g 20MHz Chain0 2412MHz



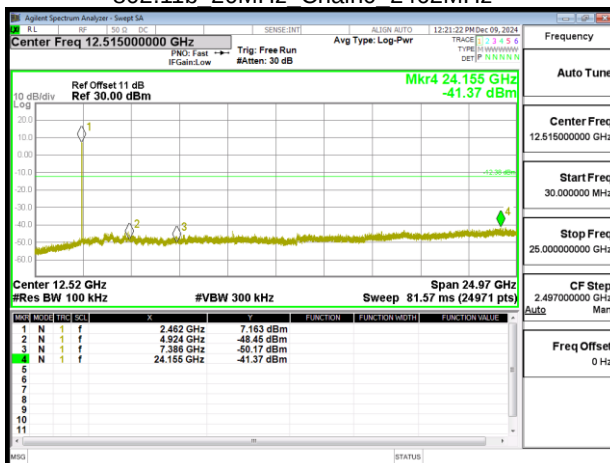
802.11b 20MHz Chain0 2437MHz



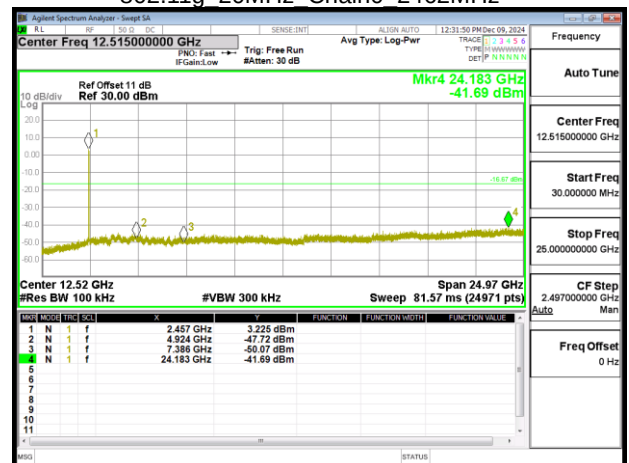
802.11g 20MHz Chain0 2437MHz



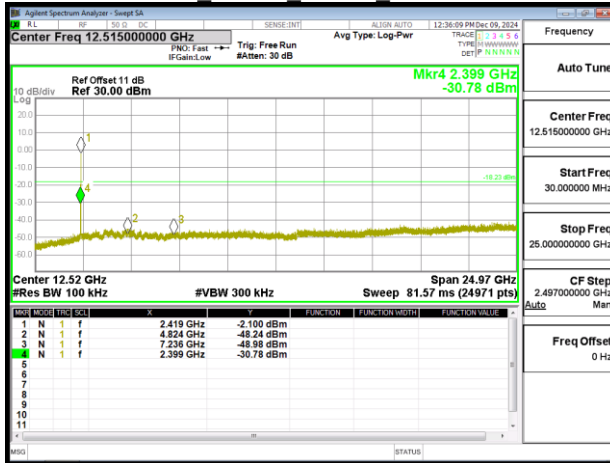
802.11b 20MHz Chain0 2462MHz



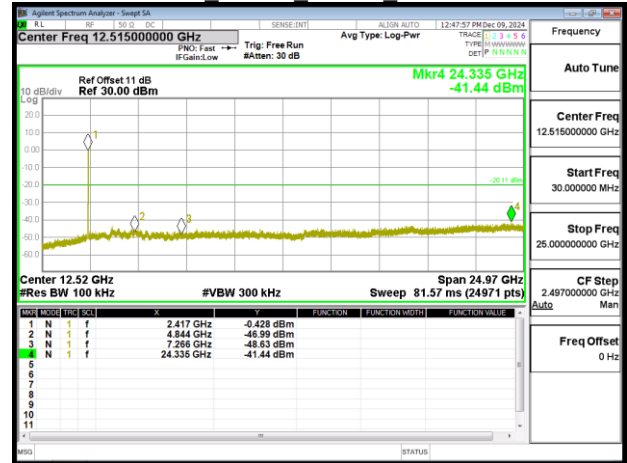
802.11g 20MHz Chain0 2462MHz



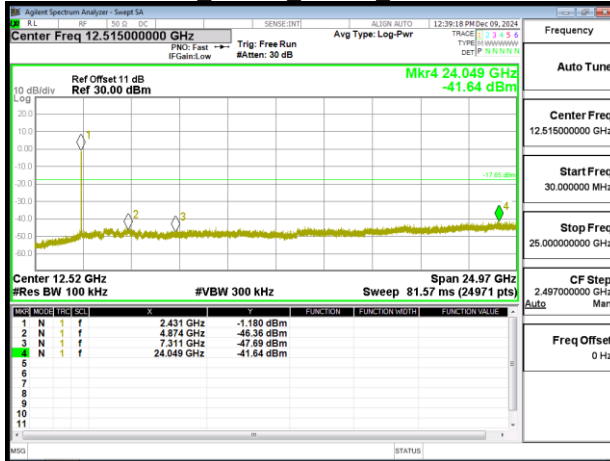
802.11n 20MHz Chain0 2412MHz



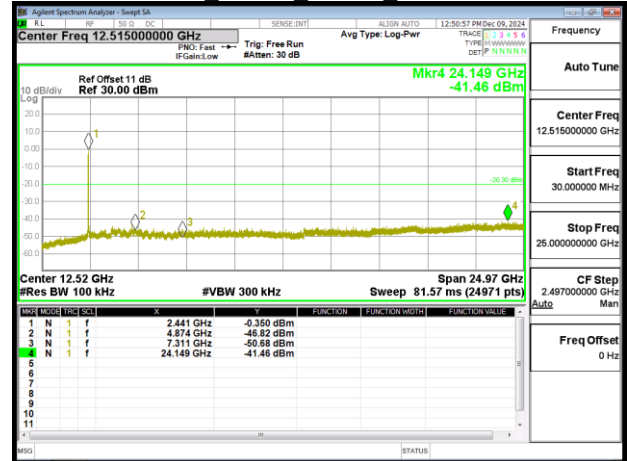
802.11n 40MHz Chain0 2422MHz



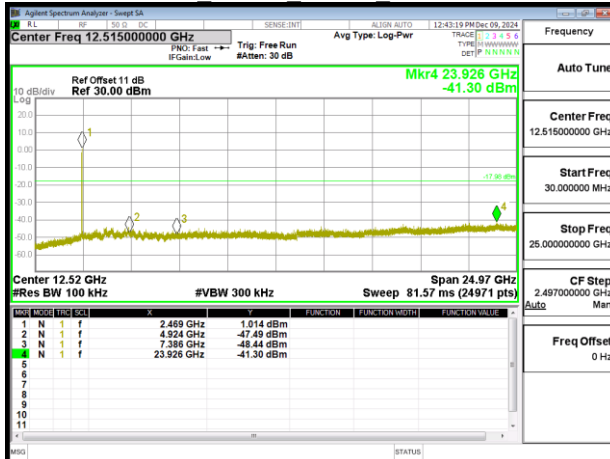
802.11n 20MHz Chain0 2437MHz



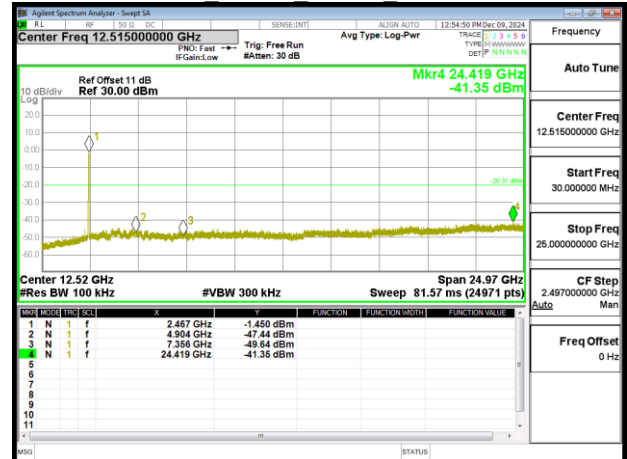
802.11n 40MHz Chain0 2437MHz



802.11n 20MHz Chain0 2462MHz



802.11n 40MHz Chain0 2452MHz



4.6 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.6.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency	Field Strength (microvolts/m)	Measurement Distance (metres)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

4.6.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz).

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-ane choic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

5. The SA setting following :

(1) Below 30MHz :

(1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

(1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

(2) 30MHz to 1GHz : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,

Detector = Peak, Trace = Max hold.

(3) Above 1GHz :

(3.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

(3.2) For Average measurement : RBW = 1MHz, VBW

·If Duty Cycle $\geq 98\%$, VBW=10Hz.

·If Duty Cycle $< 98\%$, VBW=1/T.

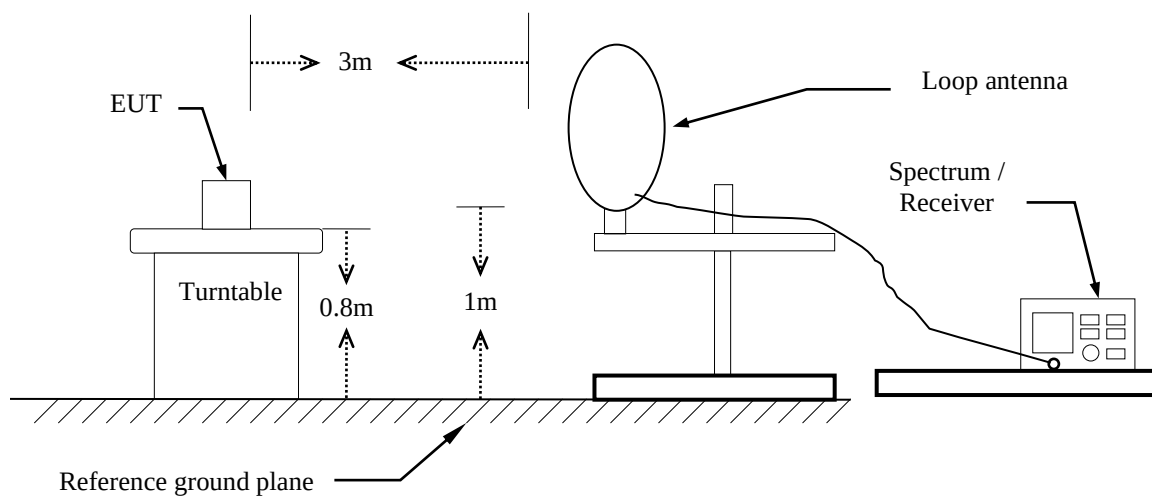
6. Data result :

Actual FS=Spectrum Reading Level + Factor

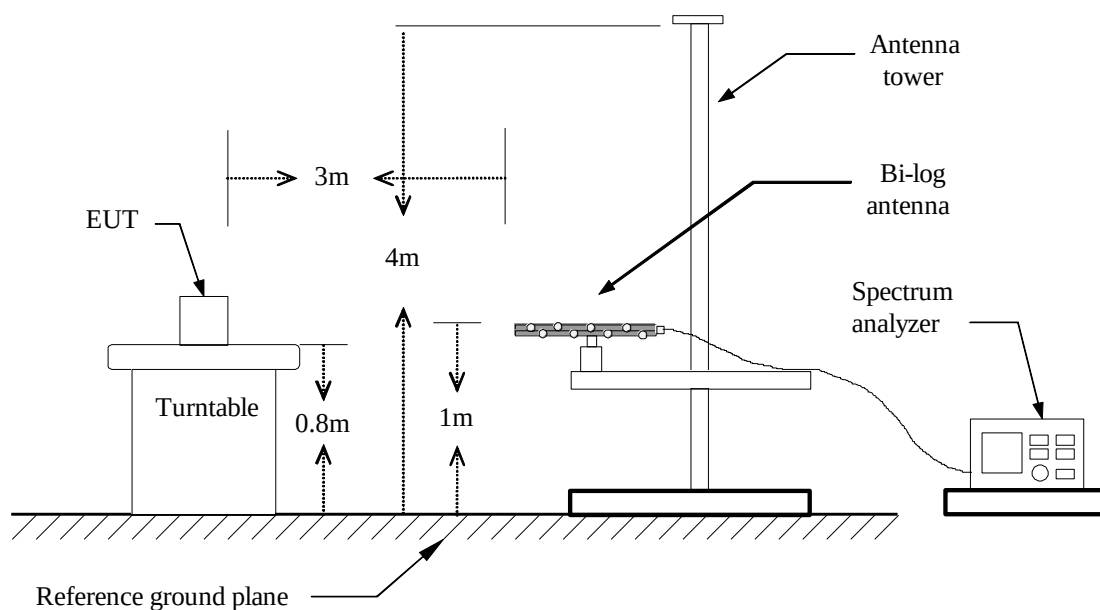
Margin=Actual FS- Limit

4.6.3 Test Setup

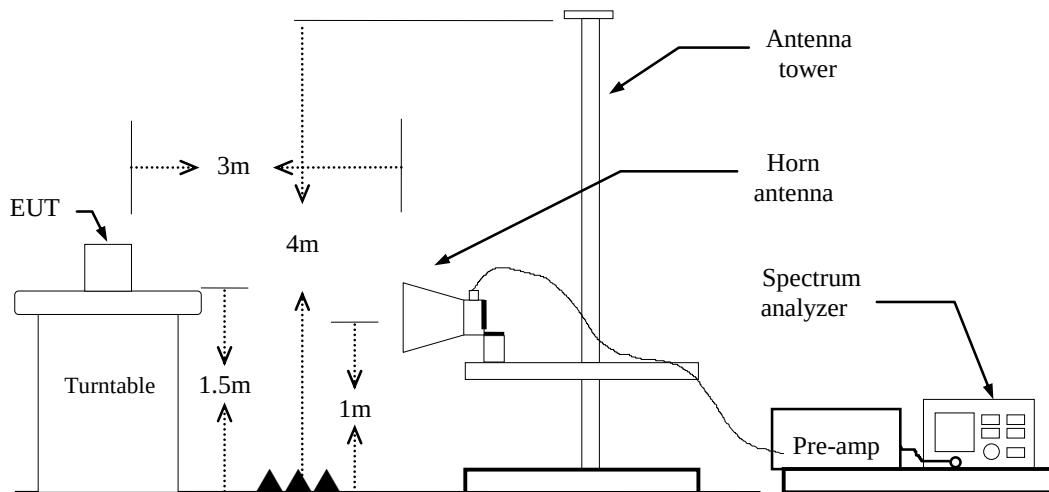
9kHz ~ 30MHz



30MHz ~ 1GHz



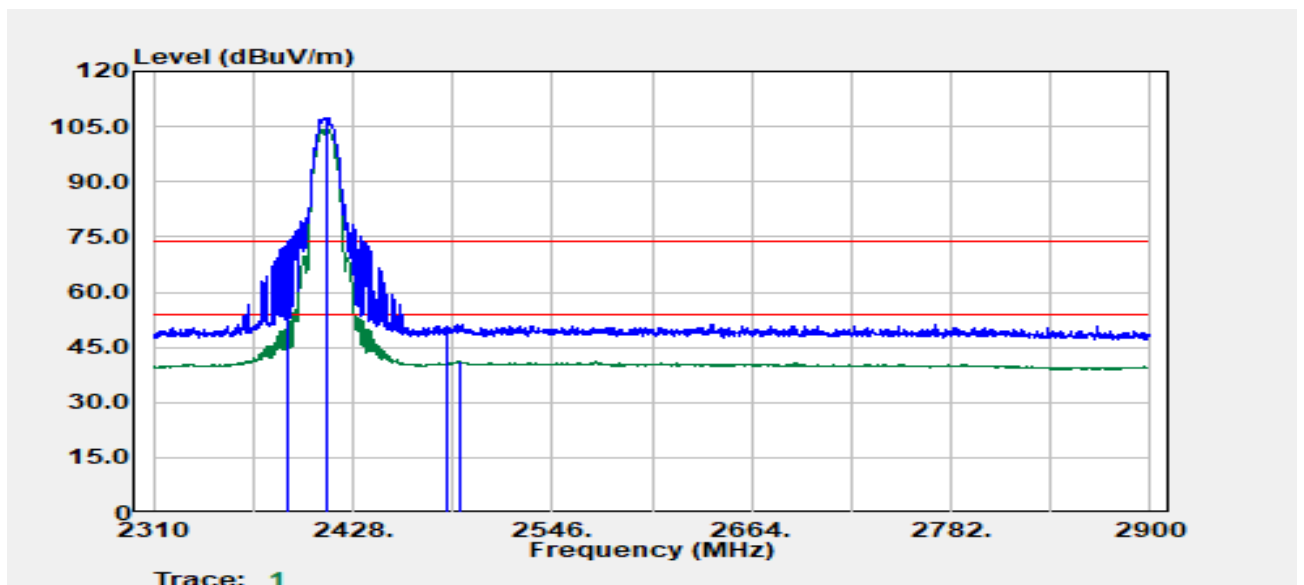
Above 1 GHz



4.6.4 Test Result

Band Edge Test Data

Project No	:TM-2411000185P	Test Date	:2024-12-03
Operation Band	:802.11b	Temp./Humi.	:24.7/57
Frequency	:2412 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:35		



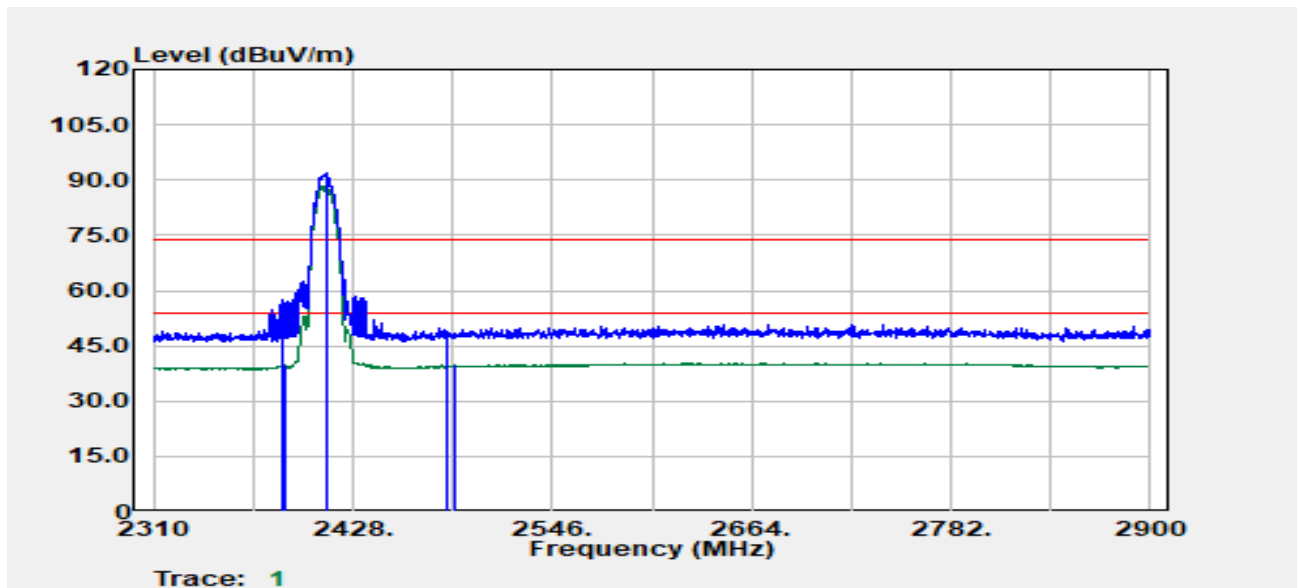
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2389.28	Average	46.78	6.11	52.88	54.00	-1.12
2389.78	Peak	67.48	6.12	73.59	74.00	-0.41
2412.00	Peak	101.35	6.15	107.50	--	--
2412.00	Average	98.11	6.15	104.26	--	--
2483.50	Peak	44.62	6.56	51.19	74.00	-22.81
2491.08	Average	34.51	6.66	41.17	54.00	-12.83

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2412 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :35

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



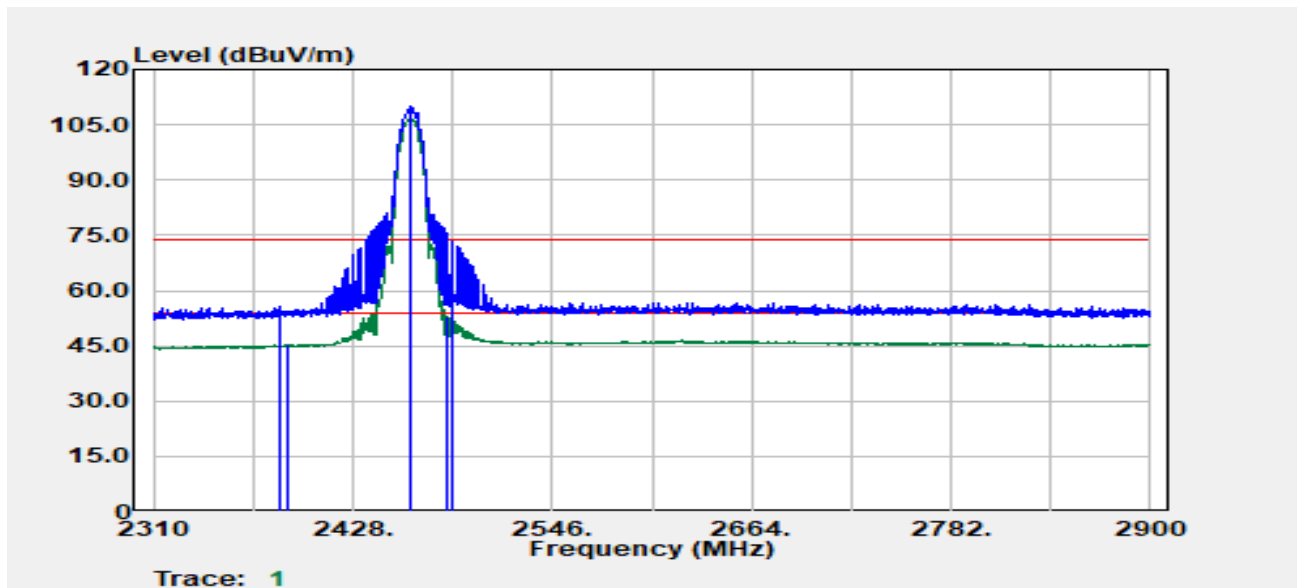
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2387.03	Peak	51.24	6.06	57.30	74.00	-16.70
2387.28	Average	33.60	6.06	39.67	54.00	-14.33
2412.00	Peak	85.59	6.15	91.74	--	--
2412.00	Average	82.19	6.15	88.34	--	--
2483.50	Peak	42.85	6.56	49.41	74.00	-24.59
2489.08	Average	33.03	6.64	39.67	54.00	-14.33

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2462 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



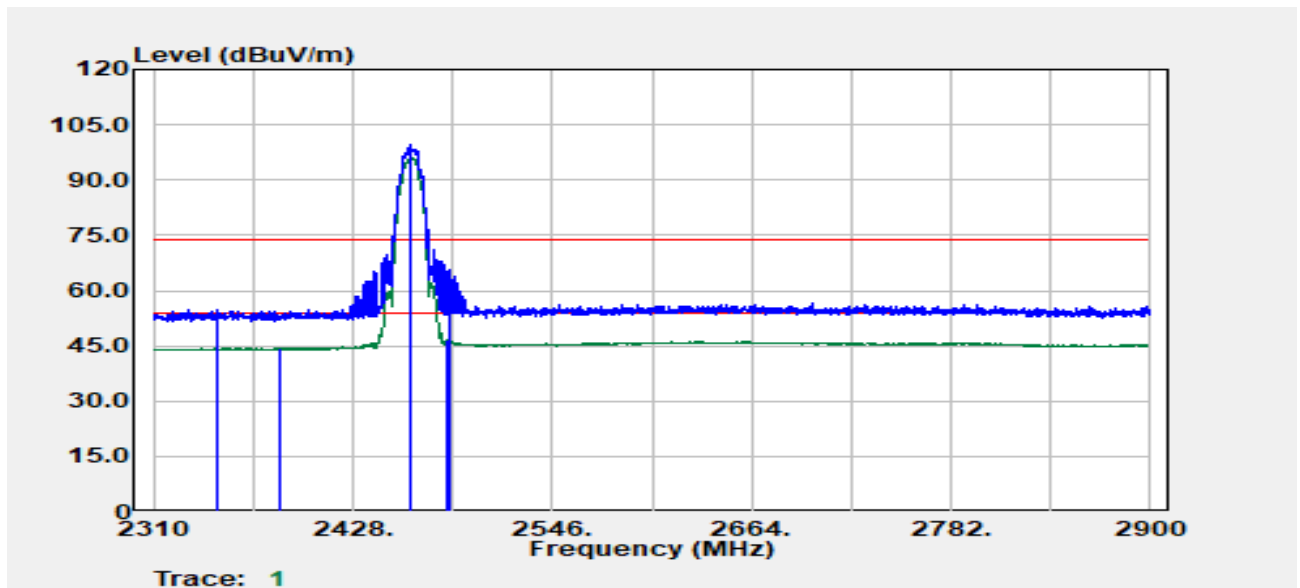
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2385.03	Peak	49.54	6.02	55.56	74.00	-18.44
2389.03	Average	39.16	6.10	45.26	54.00	-8.74
2462.00	Peak	104.05	6.17	110.22	--	--
2462.00	Average	100.31	6.17	106.48	--	--
2484.32	Average	46.32	6.57	52.89	54.00	-1.11
2486.08	Peak	66.85	6.60	73.45	74.00	-0.55

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2462 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



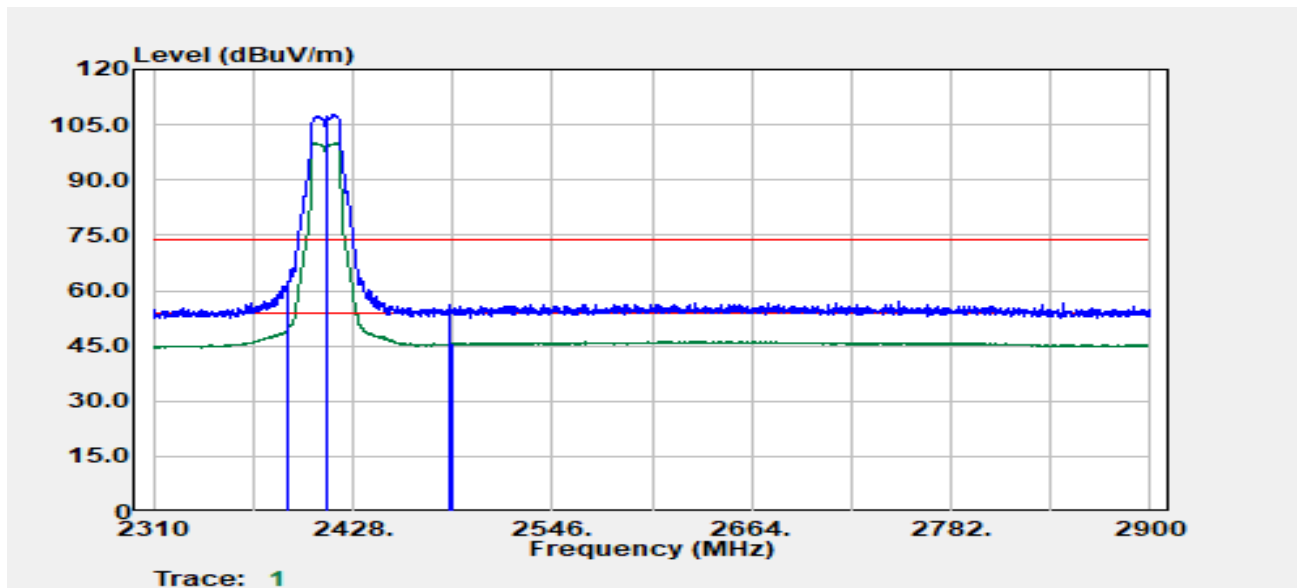
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2347.77	Peak	48.75	6.06	54.81	74.00	-19.19
2384.53	Average	38.34	6.01	44.34	54.00	-9.66
2462.00	Peak	93.39	6.17	99.55	--	--
2462.00	Average	89.66	6.17	95.83	--	--
2484.32	Average	40.12	6.57	46.69	54.00	-7.31
2484.57	Peak	58.94	6.58	65.52	74.00	-8.48

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2412 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :41

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



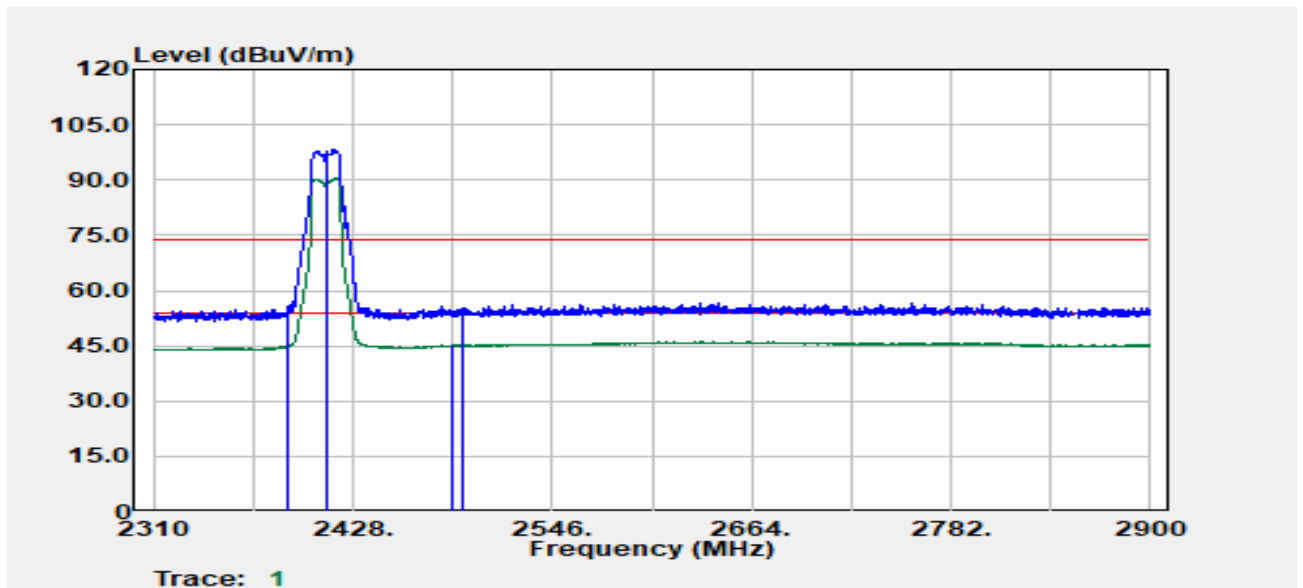
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level d μ V	Factor dB	Actual FS d μ V/m	Limit d μ V/m	Margin dB
2390.00	Peak	56.53	6.12	62.66	74.00	-11.34
2390.00	Average	43.55	6.12	49.67	54.00	-4.33
2412.00	Peak	101.84	6.15	107.98	--	--
2412.00	Average	93.78	6.15	99.93	--	--
2485.32	Peak	49.49	6.59	56.08	74.00	-17.92
2486.08	Average	39.29	6.60	45.89	54.00	-8.11

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2412 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :41

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



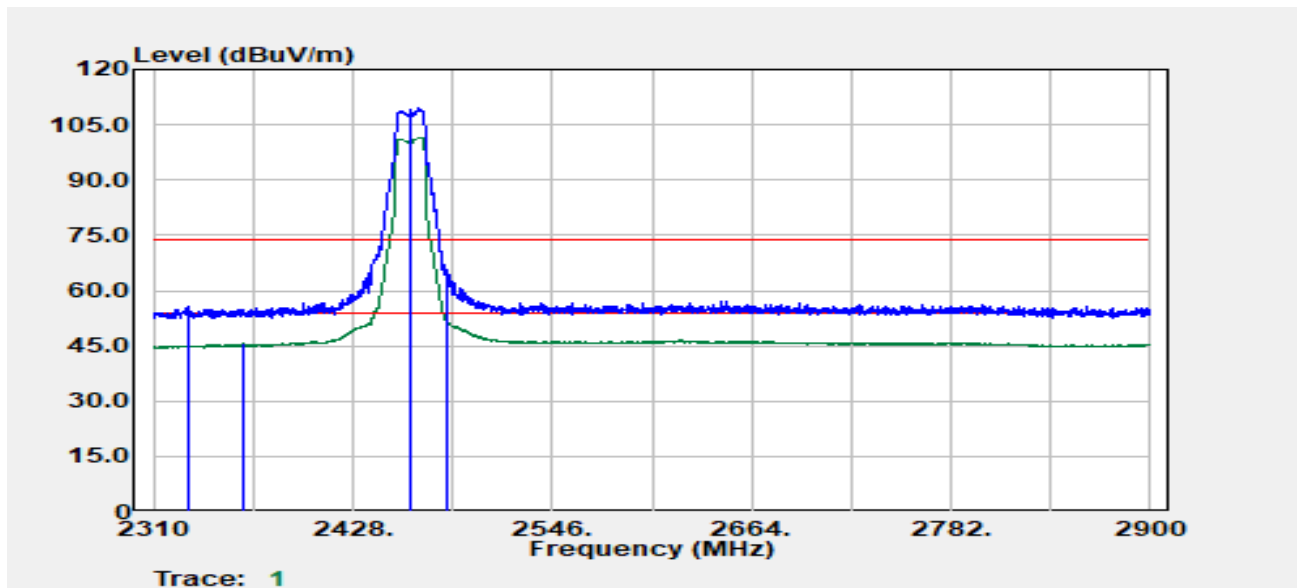
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2389.78	Average	39.23	6.12	45.34	54.00	-8.66
2390.00	Peak	49.17	6.12	55.29	74.00	-18.71
2412.00	Peak	92.33	6.15	98.48	--	--
2412.00	Average	84.22	6.15	90.36	--	--
2486.33	Average	38.58	6.60	45.18	54.00	-8.82
2493.33	Peak	48.67	6.66	55.34	74.00	-18.66

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2462 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :42

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



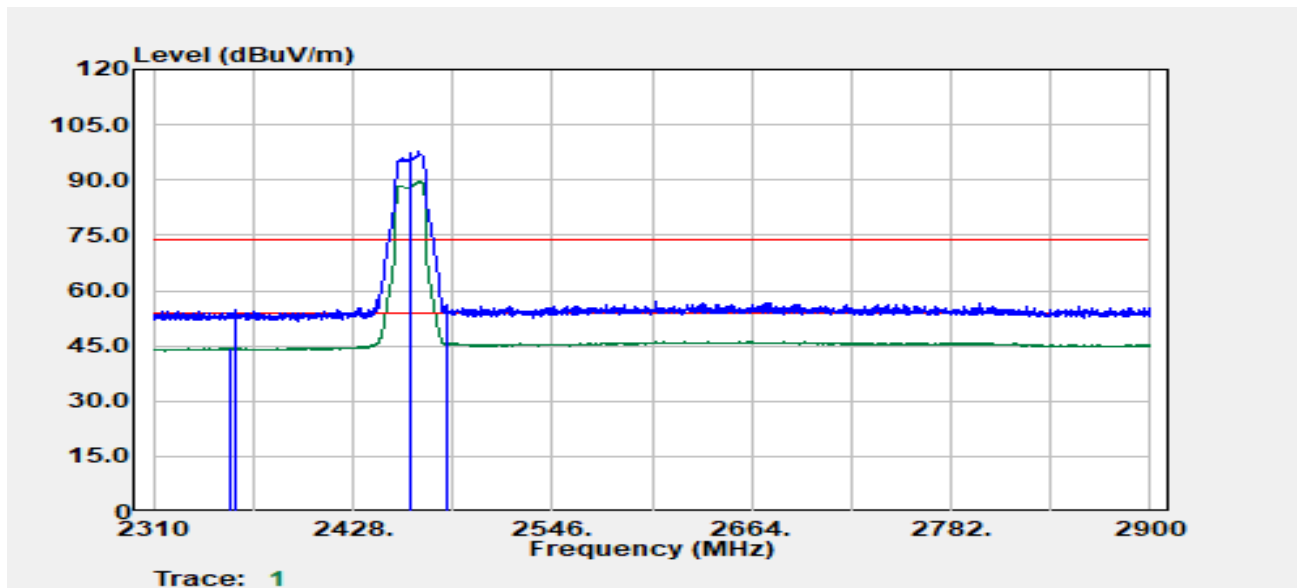
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2330.76	Peak	49.50	6.03	55.53	74.00	-18.47
2362.52	Average	39.57	6.07	45.64	54.00	-8.36
2462.00	Peak	103.52	6.17	109.68	--	--
2462.00	Average	95.38	6.17	101.55	--	--
2483.57	Average	45.11	6.56	51.67	54.00	-2.33
2484.32	Peak	59.03	6.57	65.60	74.00	-8.40

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2462 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :42

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



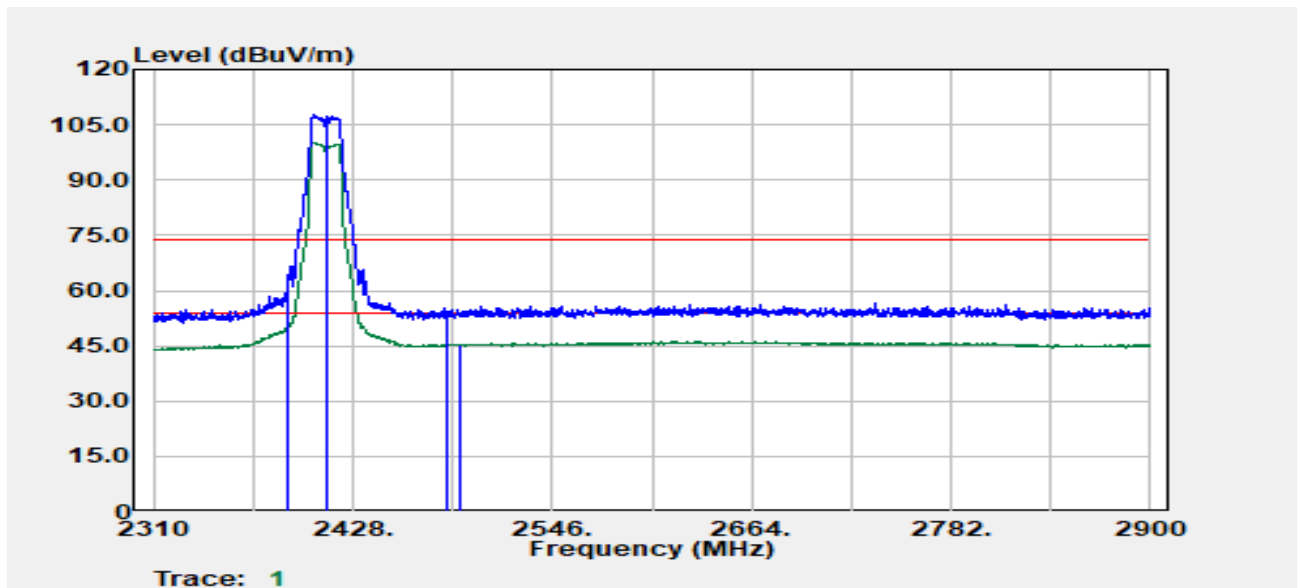
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2356.02	Average	38.24	6.09	44.33	54.00	-9.67
2358.77	Peak	48.60	6.09	54.70	74.00	-19.30
2462.00	Peak	91.49	6.17	97.66	--	--
2462.00	Average	83.34	6.17	89.51	--	--
2484.07	Peak	49.54	6.57	56.11	74.00	-17.89
2484.07	Average	39.12	6.57	45.69	54.00	-8.31

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2412 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



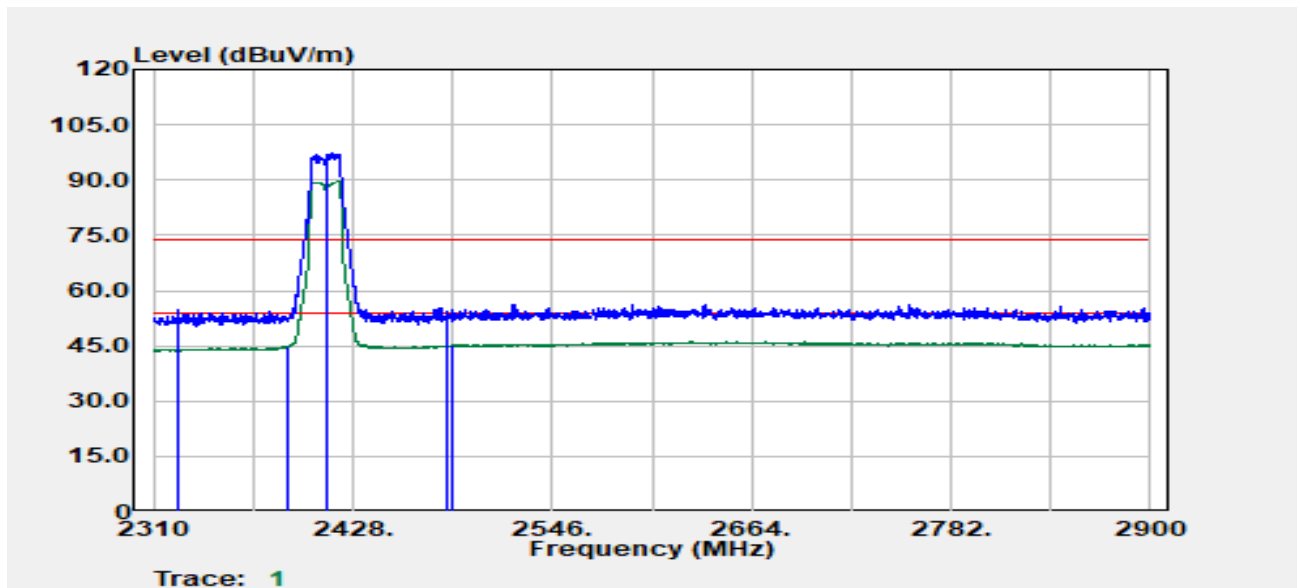
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2389.03	Peak	57.53	6.10	63.63	74.00	-10.37
2390.03	Average	44.48	6.12	50.60	54.00	-3.40
2412.00	Peak	101.65	6.15	107.79	--	--
2412.00	Average	94.05	6.15	100.20	--	--
2483.50	Peak	48.39	6.56	54.95	74.00	-19.05
2491.83	Average	38.83	6.66	45.49	54.00	-8.51

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2412 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



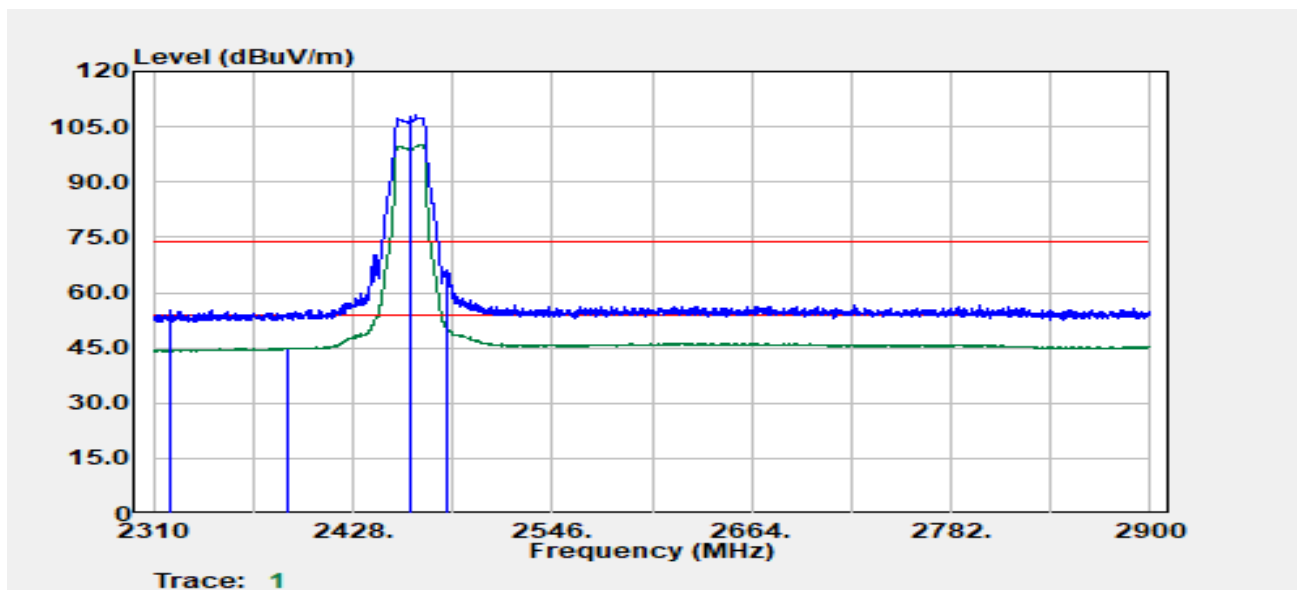
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2324.26	Peak	48.71	6.02	54.73	74.00	-19.27
2389.03	Average	38.77	6.10	44.87	54.00	-9.13
2412.00	Peak	91.04	6.15	97.18	--	--
2412.00	Average	83.39	6.15	89.54	--	--
2483.50	Peak	48.13	6.56	54.69	74.00	-19.31
2487.08	Average	38.65	6.61	45.26	54.00	-8.74

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2462 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



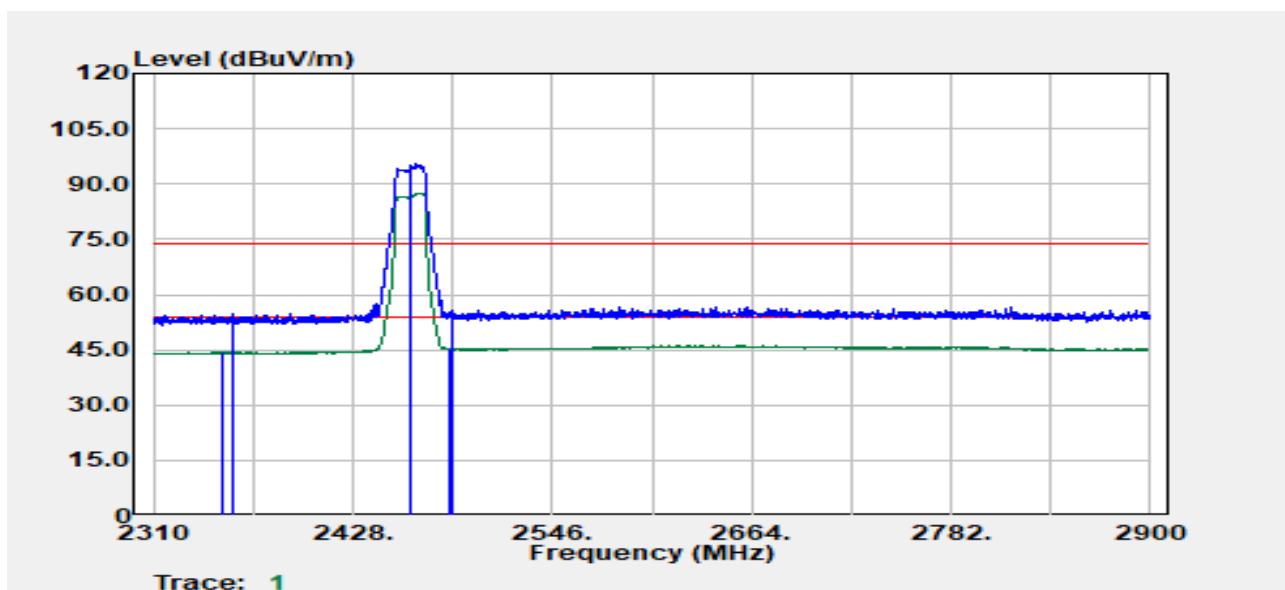
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2319.99	Peak	49.14	6.00	55.14	74.00	-18.86
2389.65	Average	38.79	6.11	44.90	54.00	-9.10
2462.00	Peak	101.95	6.17	108.12	--	--
2462.00	Average	93.90	6.17	100.07	--	--
2483.78	Peak	59.51	6.57	66.08	74.00	-7.92
2483.78	Average	43.65	6.57	50.21	54.00	-3.79

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2462 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



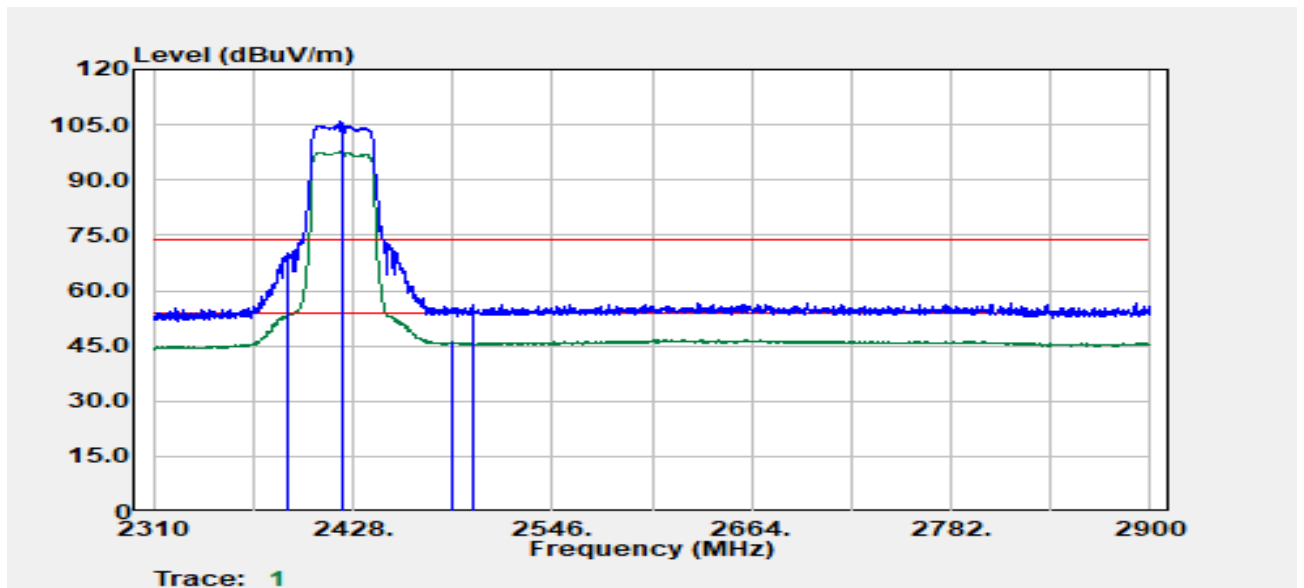
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2350.20	Average	38.26	6.09	44.34	54.00	-9.66
2356.94	Peak	48.82	6.09	54.91	74.00	-19.09
2462.00	Peak	89.45	6.17	95.62	--	--
2462.00	Average	81.42	6.17	87.59	--	--
2484.53	Average	38.88	6.58	45.46	54.00	-8.54
2487.52	Peak	49.21	6.62	55.83	74.00	-18.17

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2422 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



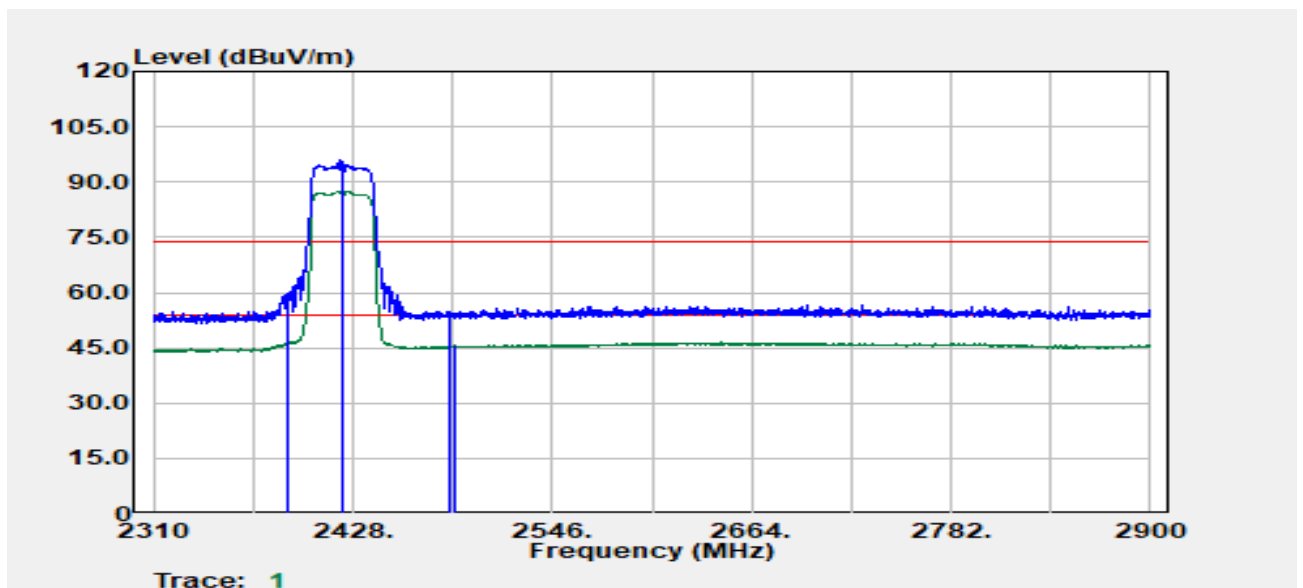
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2389.53	Average	47.20	6.11	53.31	54.00	-0.69
2390.00	Peak	63.90	6.12	70.02	74.00	-3.98
2422.00	Peak	99.84	6.18	106.02	--	--
2422.00	Average	91.51	6.18	97.69	--	--
2486.08	Average	39.47	6.60	46.07	54.00	-7.93
2498.83	Peak	49.34	6.69	56.02	74.00	-17.98

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2422 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



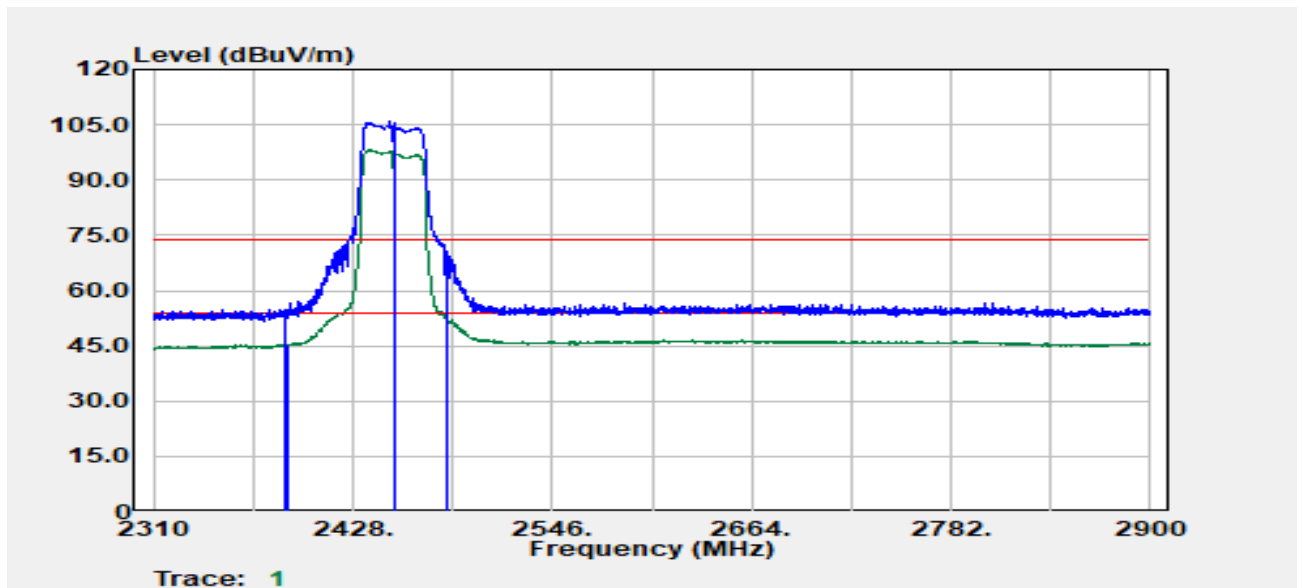
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2390.00	Peak	53.83	6.12	59.95	74.00	-14.05
2390.00	Average	40.38	6.12	46.50	54.00	-7.50
2422.00	Peak	89.72	6.18	95.90	--	--
2422.00	Average	81.40	6.18	87.58	--	--
2485.57	Peak	48.40	6.59	54.99	74.00	-19.01
2487.83	Average	38.93	6.62	45.55	54.00	-8.45

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Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2452 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



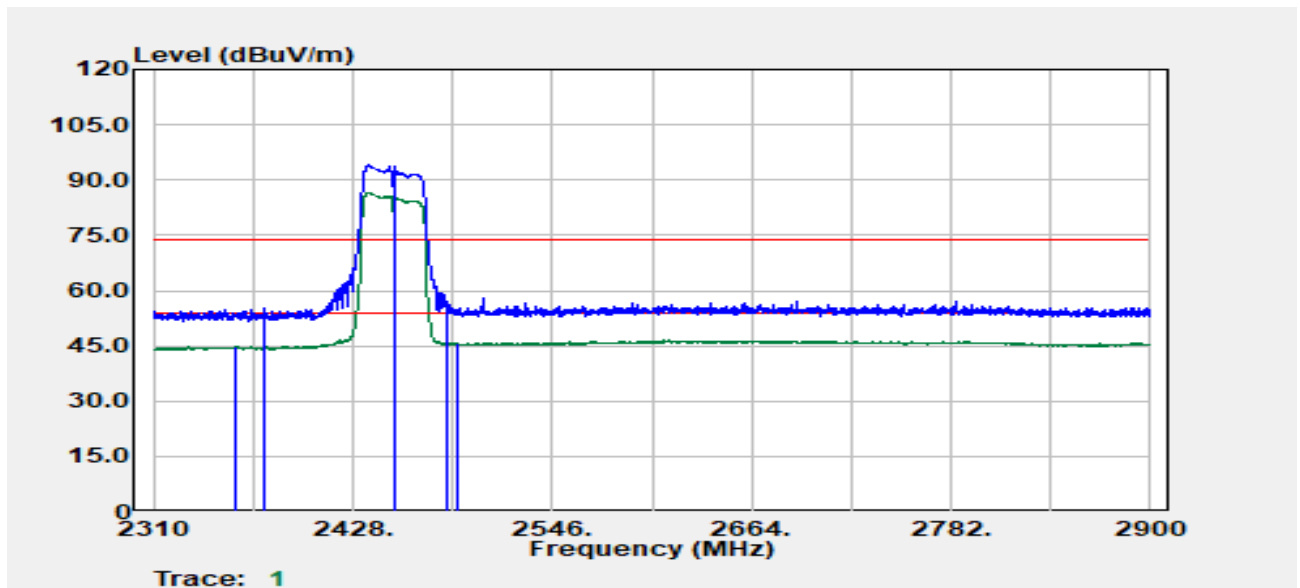
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2387.53	Peak	48.64	6.07	54.71	74.00	-19.29
2390.00	Average	39.28	6.12	45.40	54.00	-8.60
2452.00	Peak	99.69	6.19	105.88	--	--
2452.00	Average	91.92	6.19	98.11	--	--
2483.57	Average	46.36	6.56	52.92	54.00	-1.08
2484.07	Peak	63.43	6.57	70.00	74.00	-4.00

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2452 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



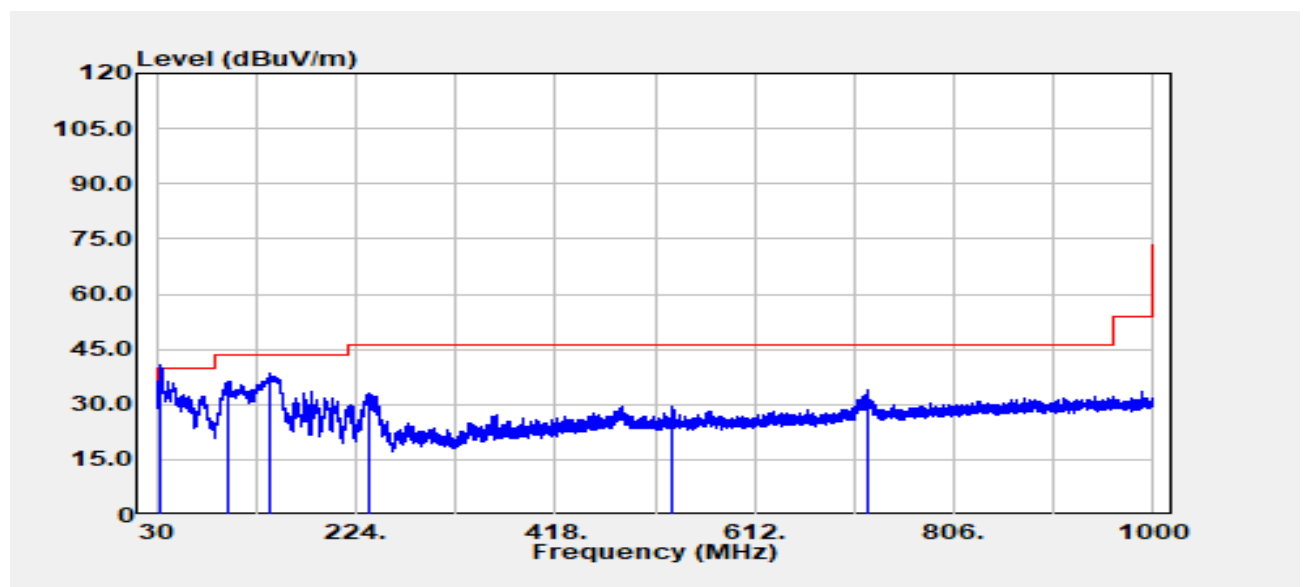
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2358.02	Average	38.77	6.09	44.86	54.00	-9.14
2375.03	Peak	49.10	5.96	55.06	74.00	-18.94
2452.00	Peak	87.81	6.19	94.00	--	--
2452.00	Average	80.25	6.19	86.44	--	--
2483.82	Peak	50.50	6.57	57.07	74.00	-16.93
2489.58	Average	39.08	6.65	45.73	54.00	-8.27

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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TX Test Data

Project No	:TM-2411000185P	Test Date	:2024-12-06
Operation Band	:802.11b	Temp./Humi.	:24.7/57
Frequency	:2412 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:35		



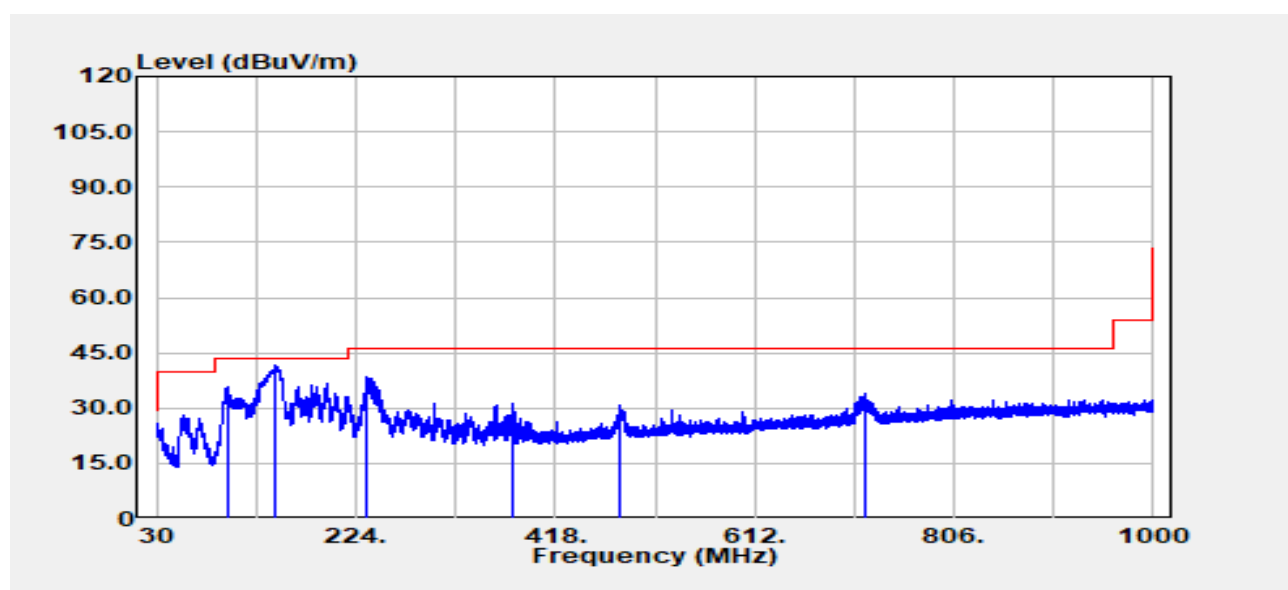
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34.61	QP	41.70	-6.15	35.55	40.00	-4.45
98.39	Peak	50.21	-13.98	36.23	43.50	-7.27
141.19	Peak	48.93	-10.66	38.27	43.50	-5.23
237.70	Peak	44.61	-11.56	33.05	46.00	-12.95
531.25	Peak	33.35	-3.90	29.44	46.00	-16.56
722.46	Peak	34.90	-0.78	34.11	46.00	-11.89

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :35

Test Date :2024-12-06
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



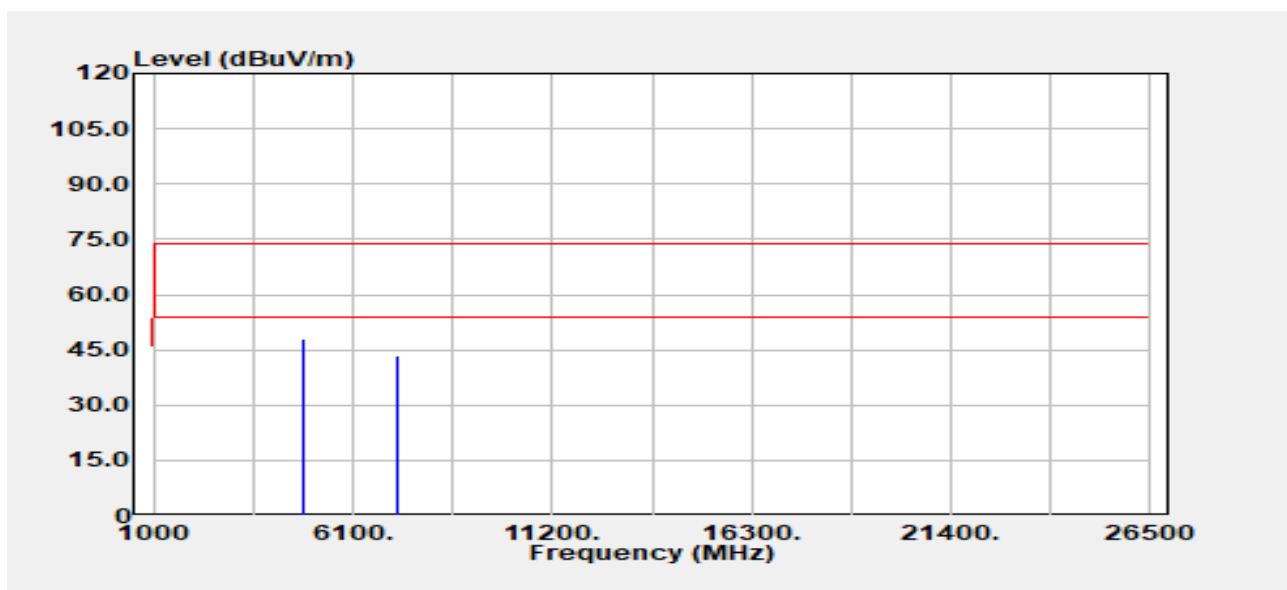
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
98.75	Peak	49.42	-13.87	35.55	43.50	-7.95
145.92	Peak	52.48	-10.92	41.56	43.50	-1.94
235.28	Peak	50.01	-11.71	38.30	46.00	-7.70
376.29	Peak	39.04	-7.61	31.44	46.00	-14.56
480.08	Peak	35.19	-4.55	30.64	46.00	-15.36
719.91	Peak	34.63	-0.86	33.77	46.00	-12.23

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Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :35

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



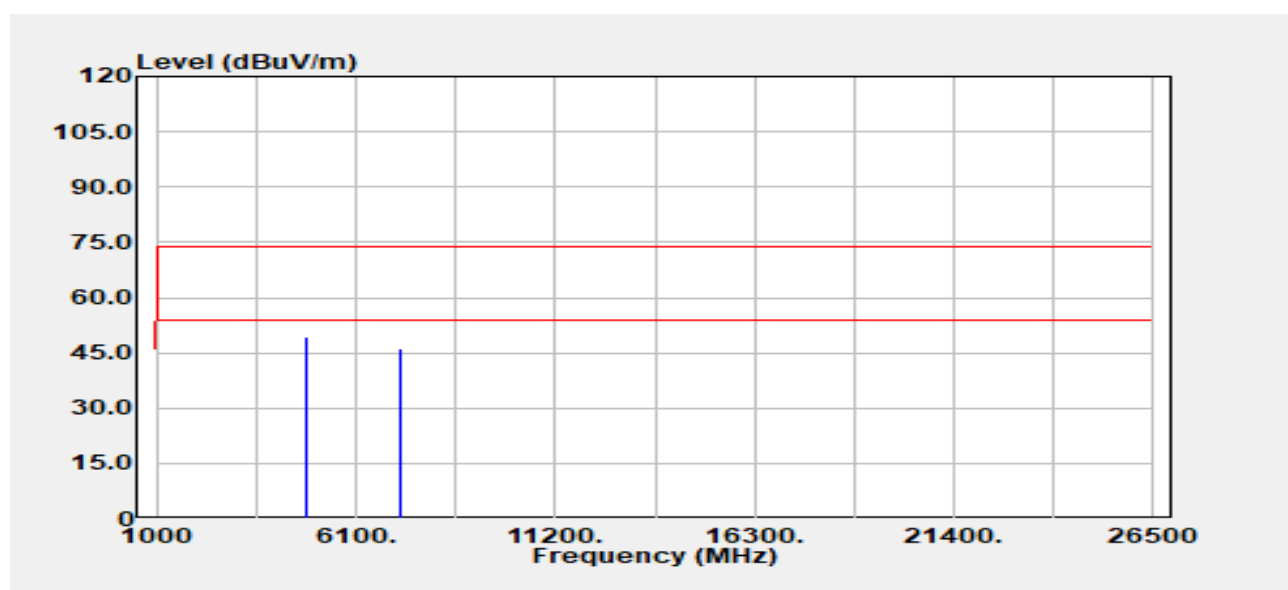
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4824.00	Peak	45.44	1.87	47.31	74.00	-26.69
4824.00	Average	46.19	1.87	48.05	54.00	-5.95
7236.00	Peak	34.82	8.84	43.66	74.00	-30.34
7236.00	Average	28.82	8.84	37.66	54.00	-16.34

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :35

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



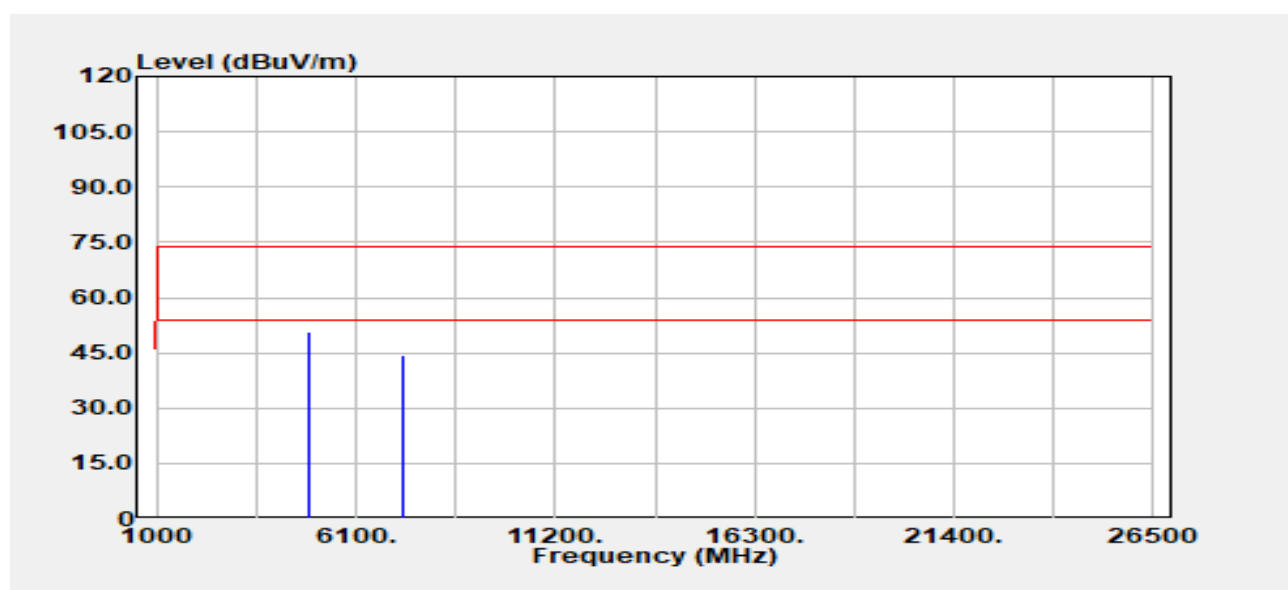
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4824.00	Peak	47.48	1.87	49.35	74.00	-24.65
4824.00	Average	46.82	1.87	48.69	54.00	-5.31
7236.00	Peak	37.18	8.84	46.02	74.00	-27.98
7236.00	Average	28.31	8.84	37.15	54.00	-16.85

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Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :37

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



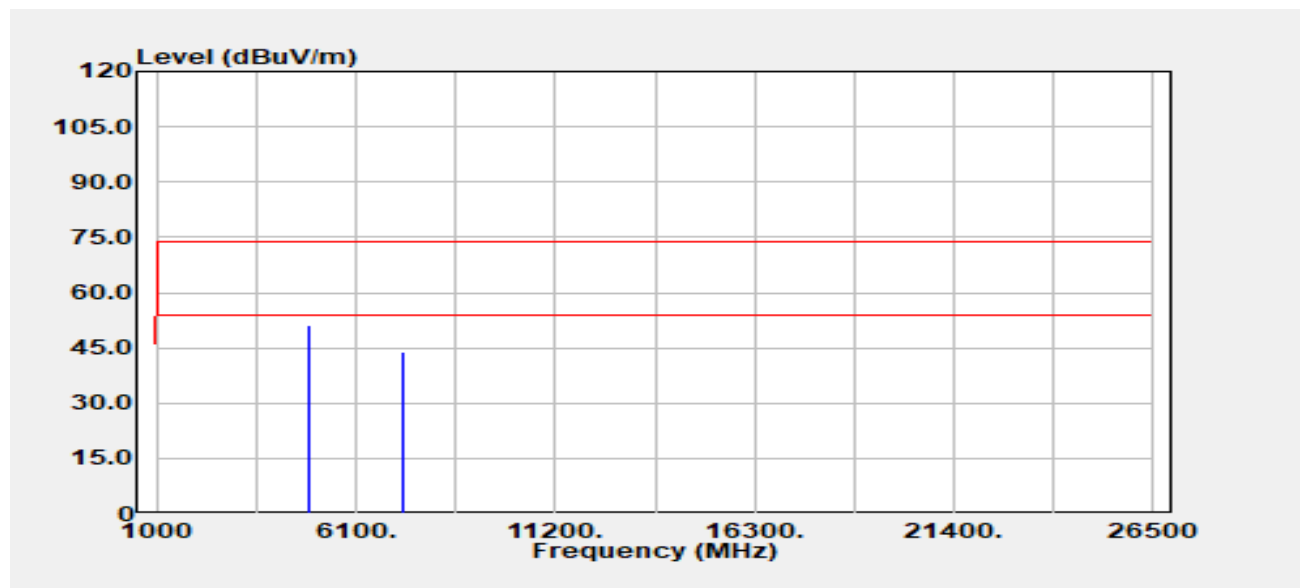
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	48.58	2.23	50.81	74.00	-23.19
4874.00	Average	48.39	2.23	50.62	54.00	-3.38
7311.00	Peak	35.65	8.70	44.35	74.00	-29.65
7311.00	Average	29.13	8.70	37.82	54.00	-16.18

Project No: TM-2411000185P
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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :37

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



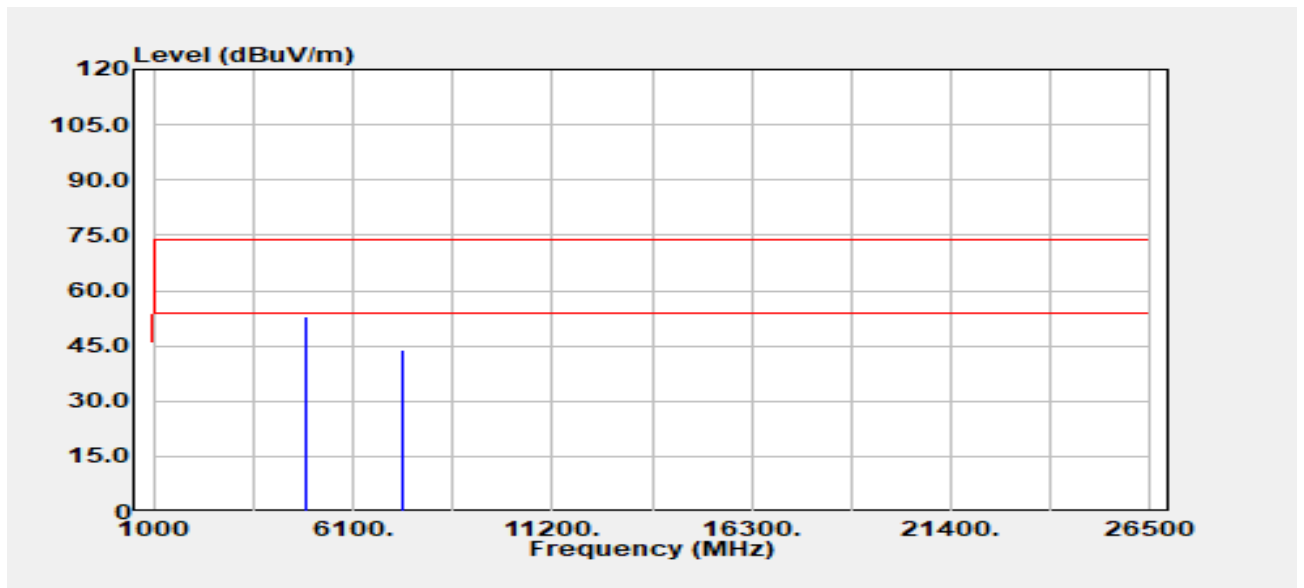
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	47.14	2.23	49.37	74.00	-24.63
4874.00	Average	48.92	2.23	51.15	54.00	-2.85
7311.00	Peak	35.37	8.70	44.06	74.00	-29.94
7311.00	Average	28.24	8.70	36.94	54.00	-17.06

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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2462 MHz
Operation Mode :TX
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



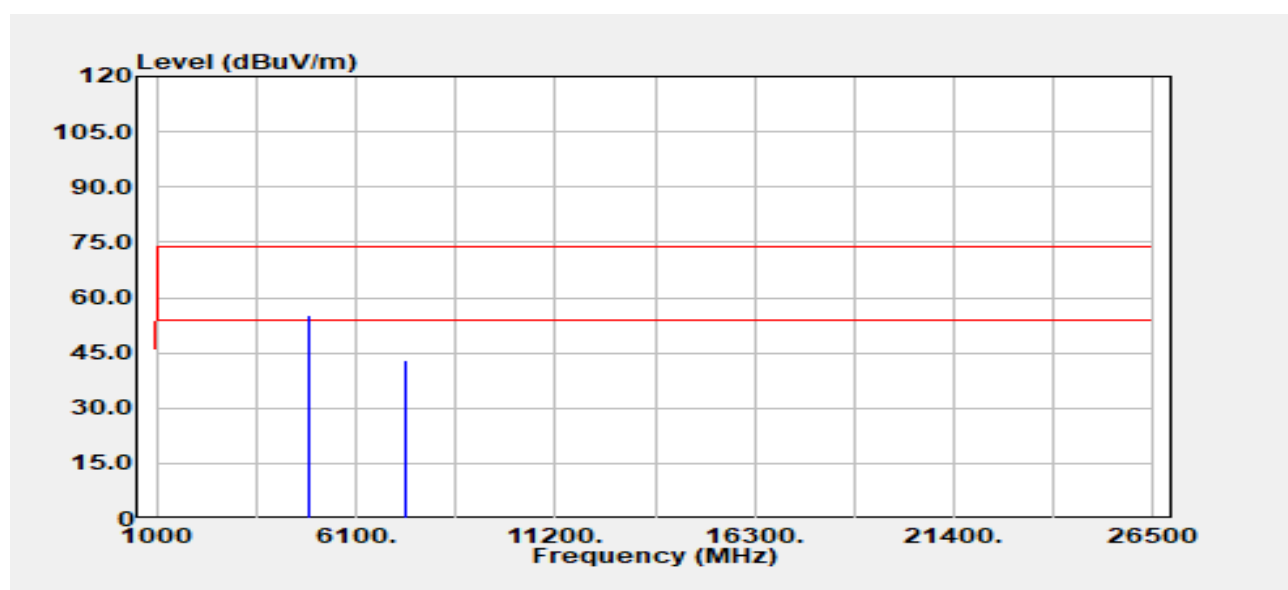
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4924.00	Peak	50.38	2.70	53.08	74.00	-20.92
4924.00	Average	50.06	2.70	52.76	54.00	-1.24
7386.00	Peak	34.94	8.83	43.76	74.00	-30.24
7386.00	Average	27.92	8.83	36.75	54.00	-17.25

Project No: TM-2411000185P
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Project No :TM-2411000185P
Operation Band :802.11b
Frequency :2462 MHz
Operation Mode :TX
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



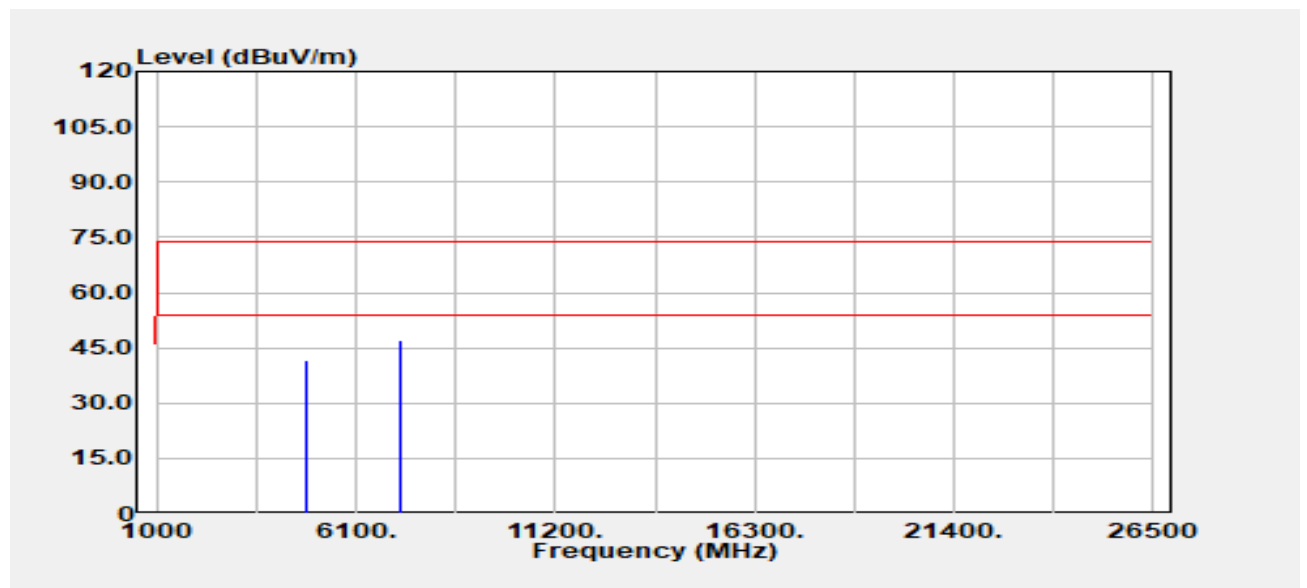
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4924.00	Peak	52.61	2.70	55.31	74.00	-18.69
4924.00	Average	50.50	2.70	53.20	54.00	-0.80
7386.00	Peak	34.38	8.83	43.21	74.00	-30.79
7386.00	Average	27.86	8.83	36.68	54.00	-17.32

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :41

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



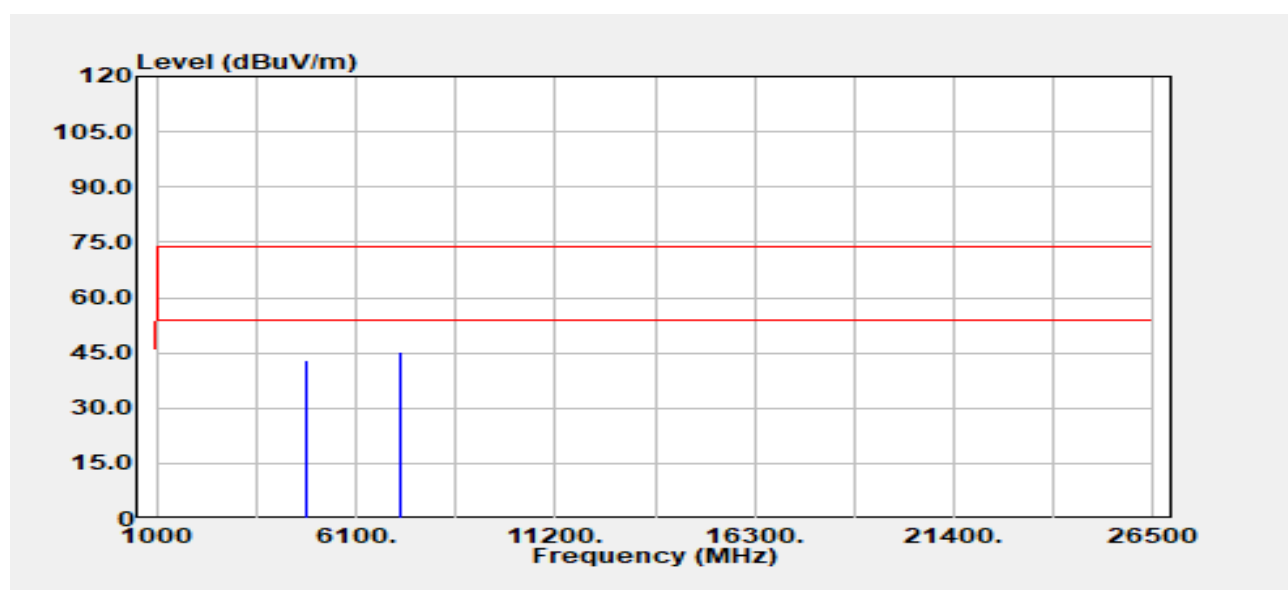
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4824.00	Peak	39.90	1.87	41.77	74.00	-32.23
4824.00	Average	35.63	1.87	37.50	54.00	-16.50
7236.00	Peak	38.04	8.84	46.88	74.00	-27.12
7236.00	Average	29.88	8.84	38.72	54.00	-15.28

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Rev.: 01

Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :41

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



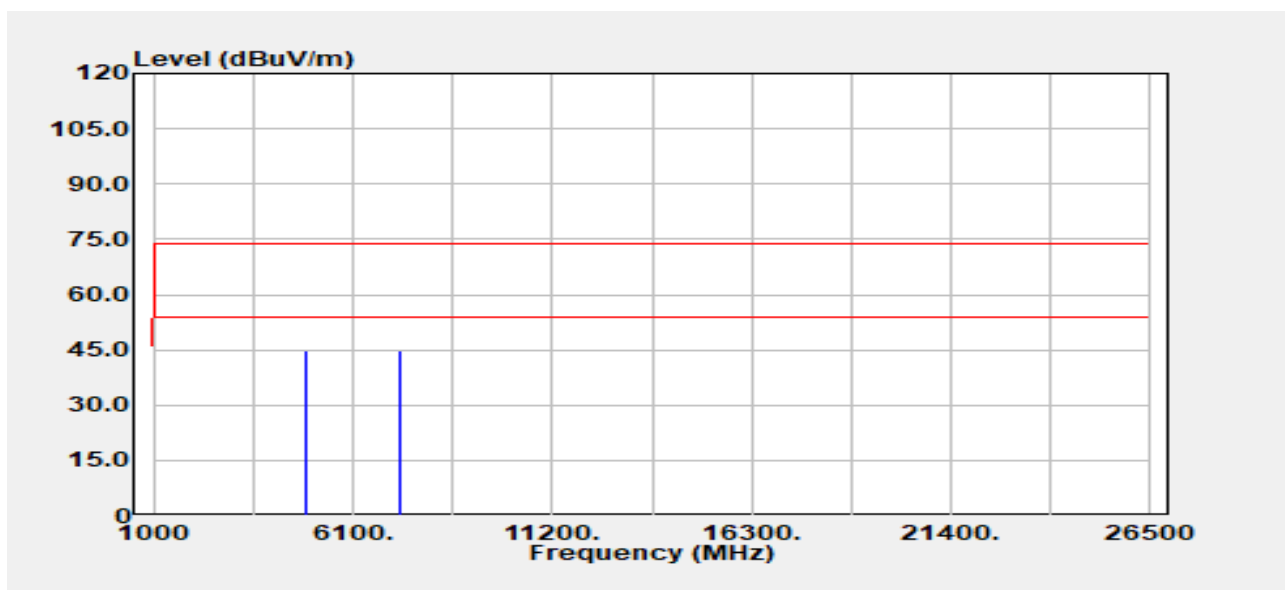
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4824.00	Peak	40.98	1.87	42.85	74.00	-31.15
4824.00	Average	35.55	1.87	37.42	54.00	-16.58
7236.00	Peak	36.54	8.84	45.37	74.00	-28.63
7236.00	Average	28.76	8.84	37.60	54.00	-16.40

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :41

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



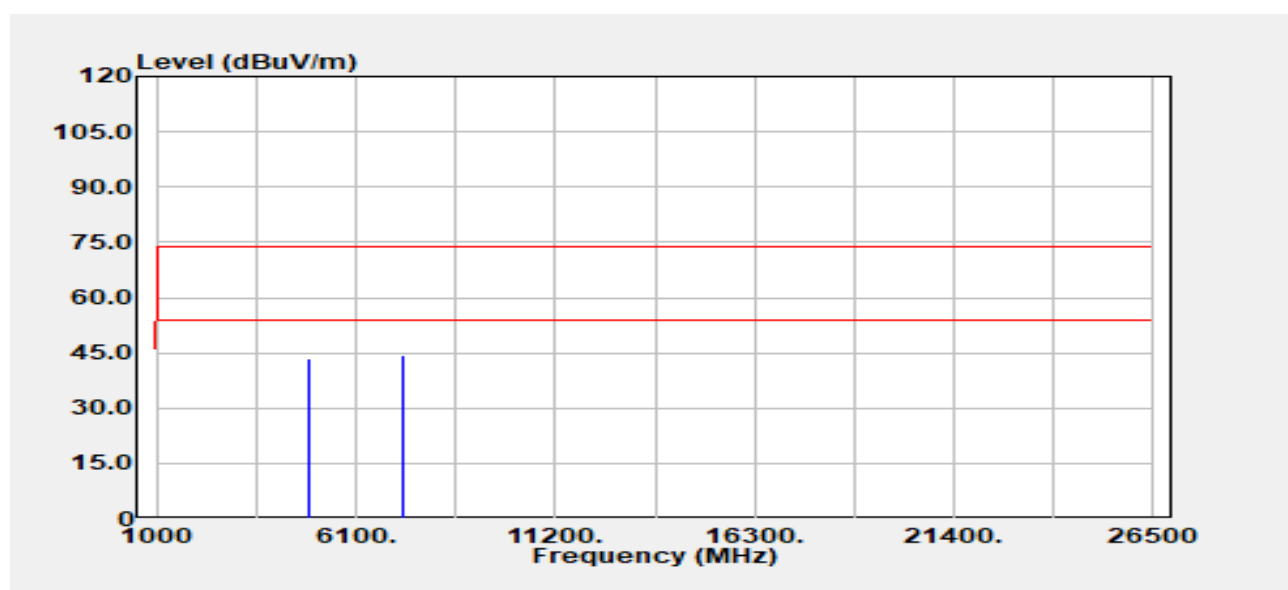
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	42.39	2.23	44.62	74.00	-29.38
4874.00	Average	33.48	2.23	35.71	54.00	-18.29
7311.00	Peak	36.06	8.70	44.76	74.00	-29.24
7311.00	Average	28.81	8.70	37.51	54.00	-16.49

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :41

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



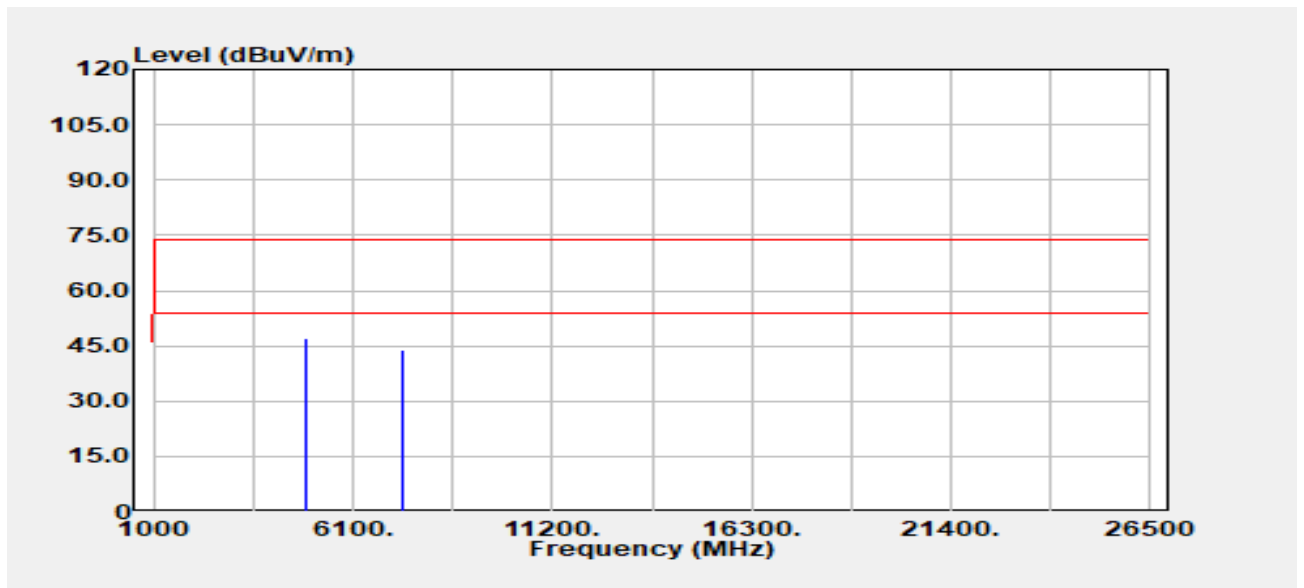
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	41.31	2.23	43.55	74.00	-30.45
4874.00	Average	33.69	2.23	35.92	54.00	-18.08
7311.00	Peak	35.72	8.70	44.42	74.00	-29.58
7311.00	Average	28.39	8.70	37.09	54.00	-16.91

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2462 MHz
Operation Mode :TX
EUT Pol :E2
Setting :42

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



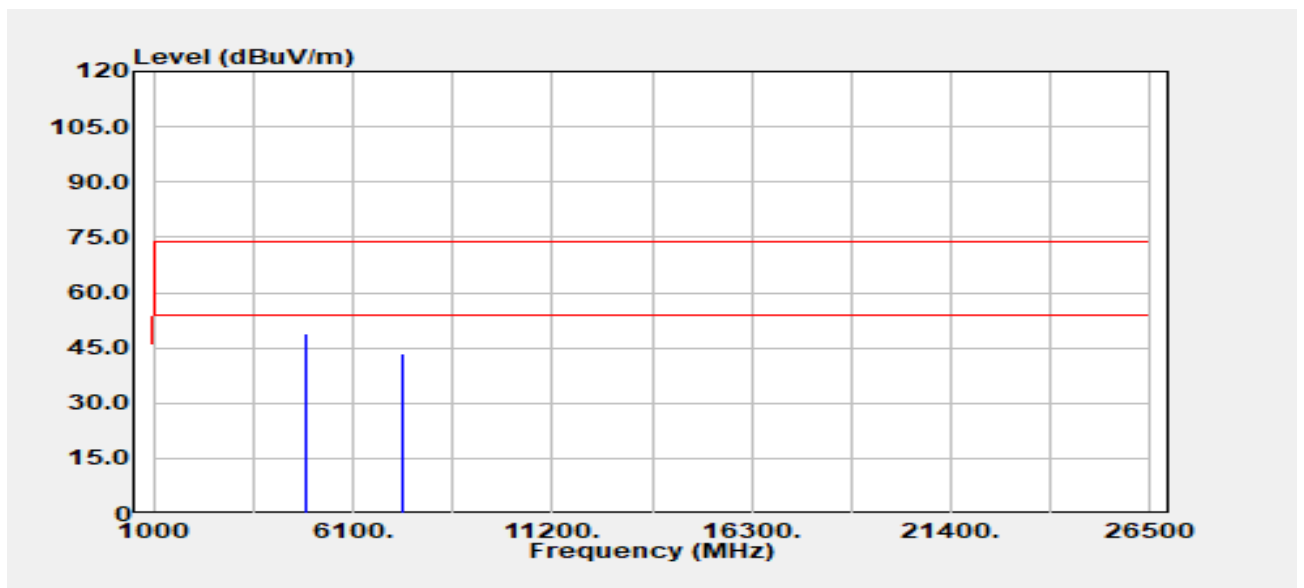
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4924.00	Peak	44.62	2.70	47.32	74.00	-26.68
4924.00	Average	36.20	2.70	38.89	54.00	-15.11
7386.00	Peak	35.29	8.83	44.11	74.00	-29.89
7386.00	Average	29.43	8.83	38.26	54.00	-15.74

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11g
Frequency :2462 MHz
Operation Mode :TX
EUT Pol :E2
Setting :42

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



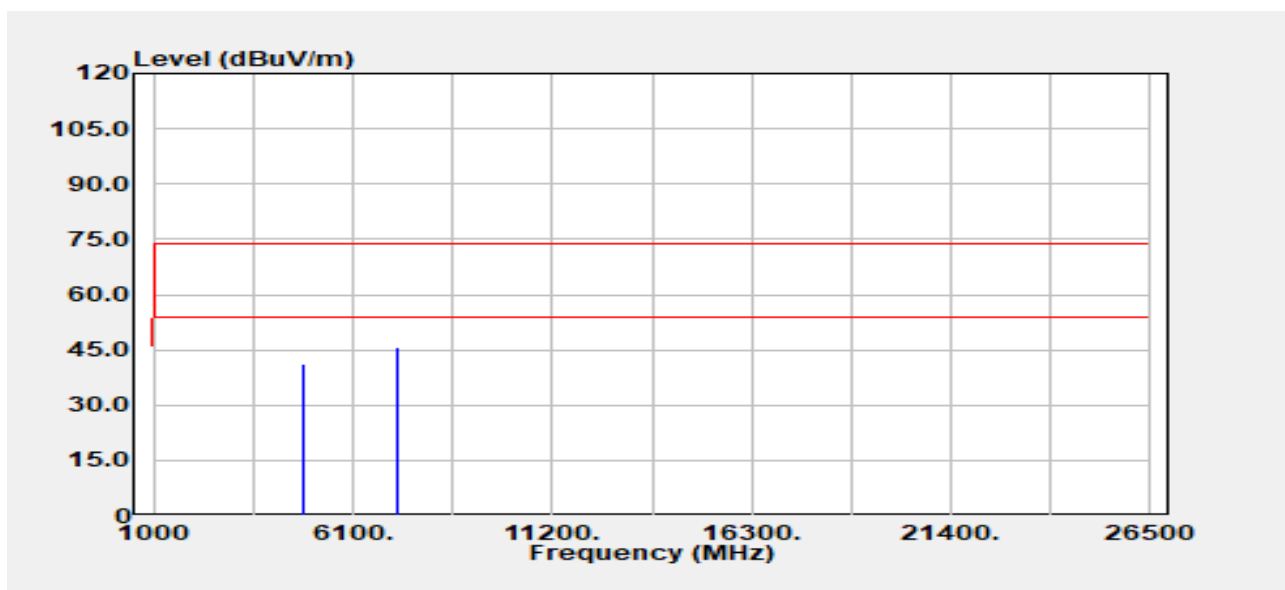
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4924.00	Peak	46.15	2.70	48.85	74.00	-25.15
4924.00	Average	39.31	2.70	42.01	54.00	-11.99
7386.00	Peak	34.58	8.83	43.41	74.00	-30.59
7386.00	Average	28.16	8.83	36.99	54.00	-17.01

Project No: TM-2411000185P
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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



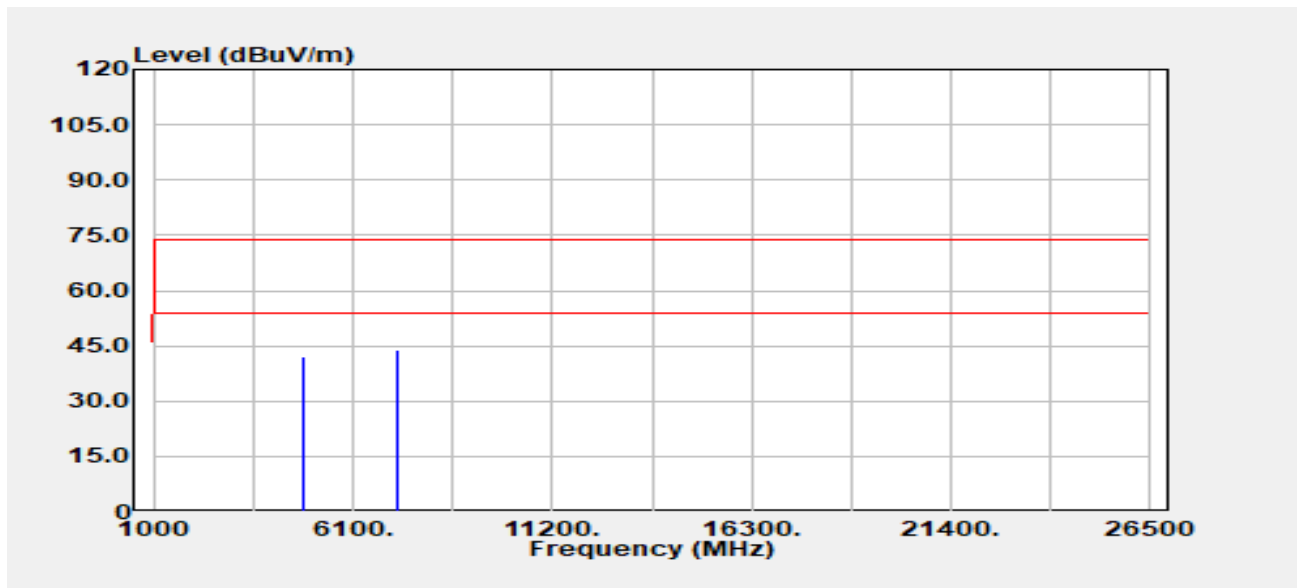
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4824.00	Peak	39.11	1.87	40.98	74.00	-33.02
4824.00	Average	34.13	1.87	36.00	54.00	-18.00
7236.00	Peak	36.82	8.84	45.66	74.00	-28.34
7236.00	Average	30.05	8.84	38.89	54.00	-15.11

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2412 MHz
Operation Mode :TX
EUT Pol :E2
Setting :38

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



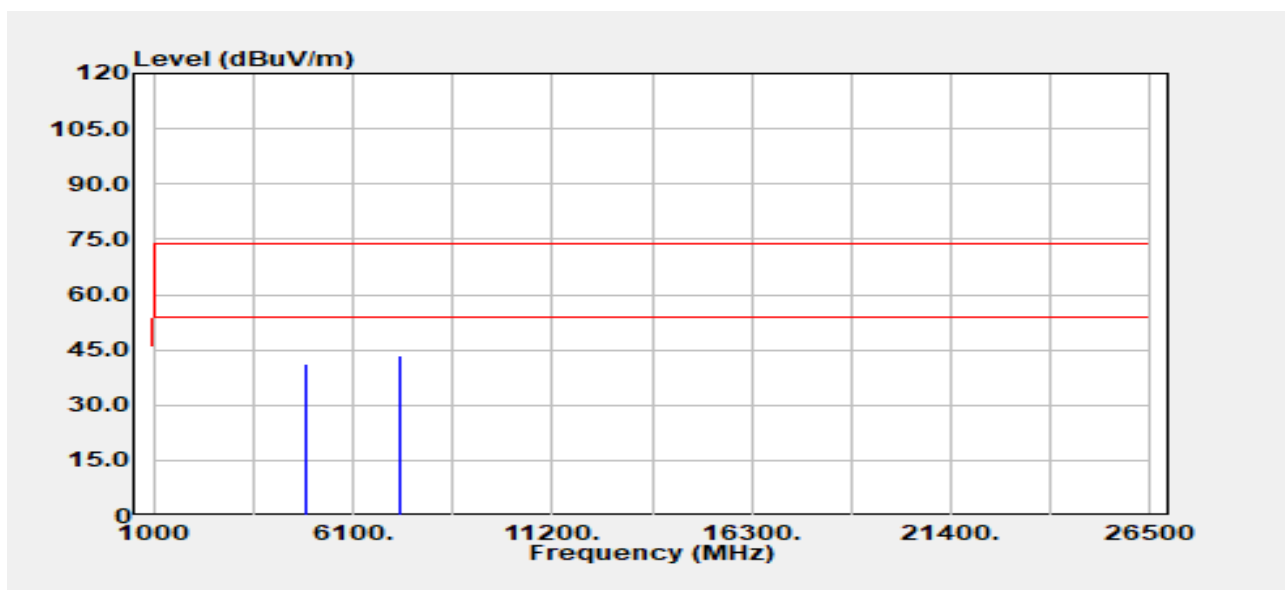
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4824.00	Peak	40.08	1.87	41.95	74.00	-32.05
4824.00	Average	34.18	1.87	36.05	54.00	-17.95
7236.00	Peak	34.88	8.84	43.72	74.00	-30.28
7236.00	Average	28.47	8.84	37.30	54.00	-16.70

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



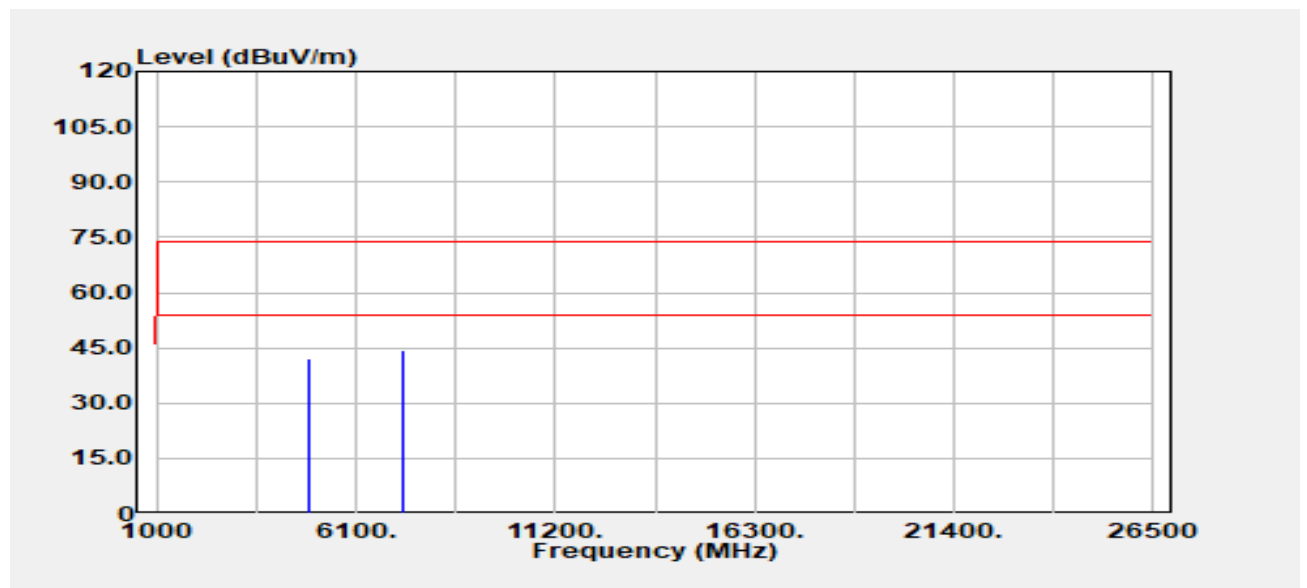
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	39.08	2.23	41.31	74.00	-32.69
4874.00	Average	33.57	2.23	35.81	54.00	-18.19
7311.00	Peak	34.75	8.70	43.44	74.00	-30.56
7311.00	Average	28.95	8.70	37.65	54.00	-16.35

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



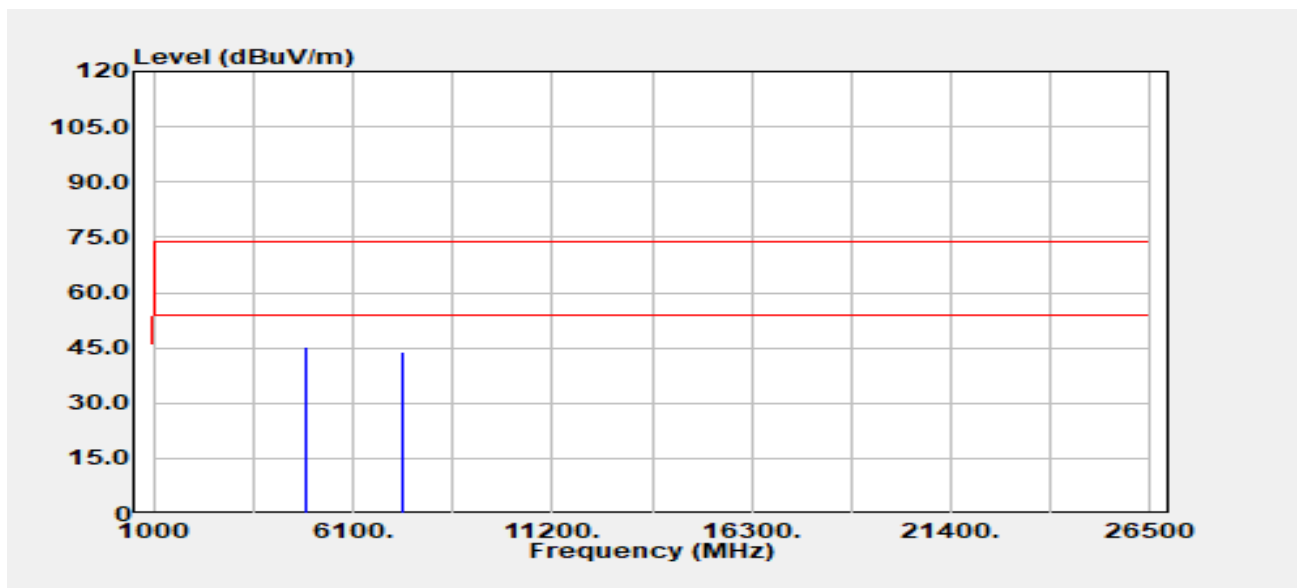
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	39.78	2.23	42.01	74.00	-31.99
4874.00	Average	32.90	2.23	35.13	54.00	-18.87
7311.00	Peak	35.47	8.70	44.16	74.00	-29.84
7311.00	Average	28.25	8.70	36.95	54.00	-17.05

Project No: TM-2411000185P
Report No.: TMWK2411003934KR

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2462 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



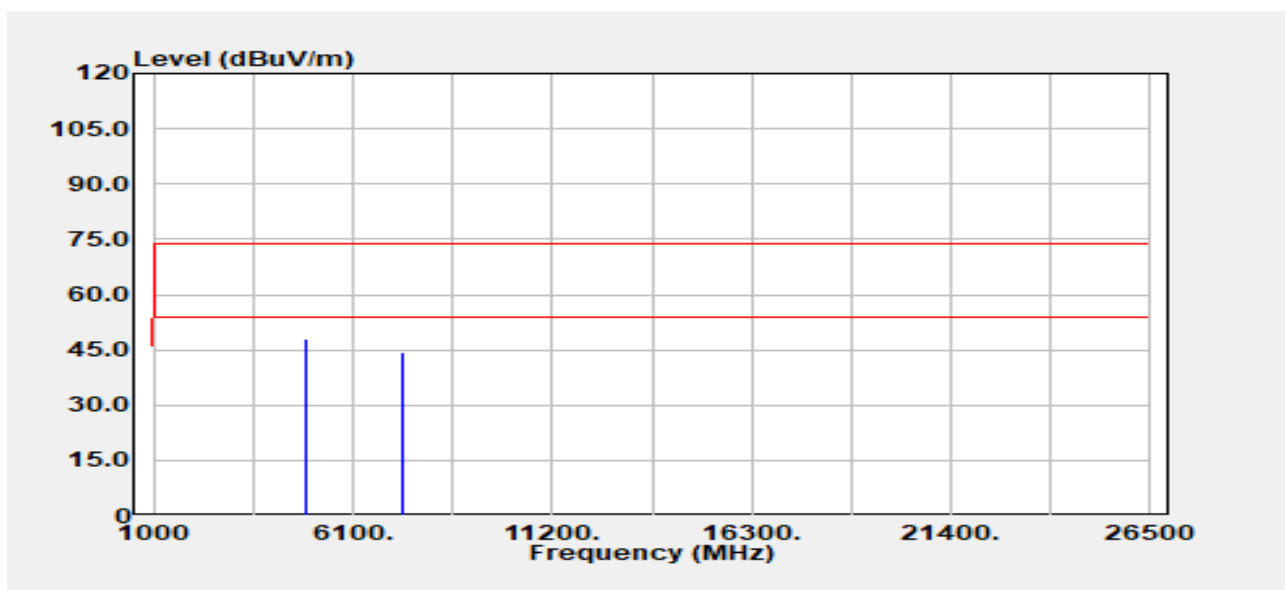
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4924.00	Peak	42.53	2.70	45.23	74.00	-28.77
4924.00	Average	34.81	2.70	37.50	54.00	-16.50
7386.00	Peak	35.15	8.83	43.98	74.00	-30.02
7386.00	Average	28.38	8.83	37.20	54.00	-16.80

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Project No :TM-2411000185P
Operation Band :802.11n20
Frequency :2462 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



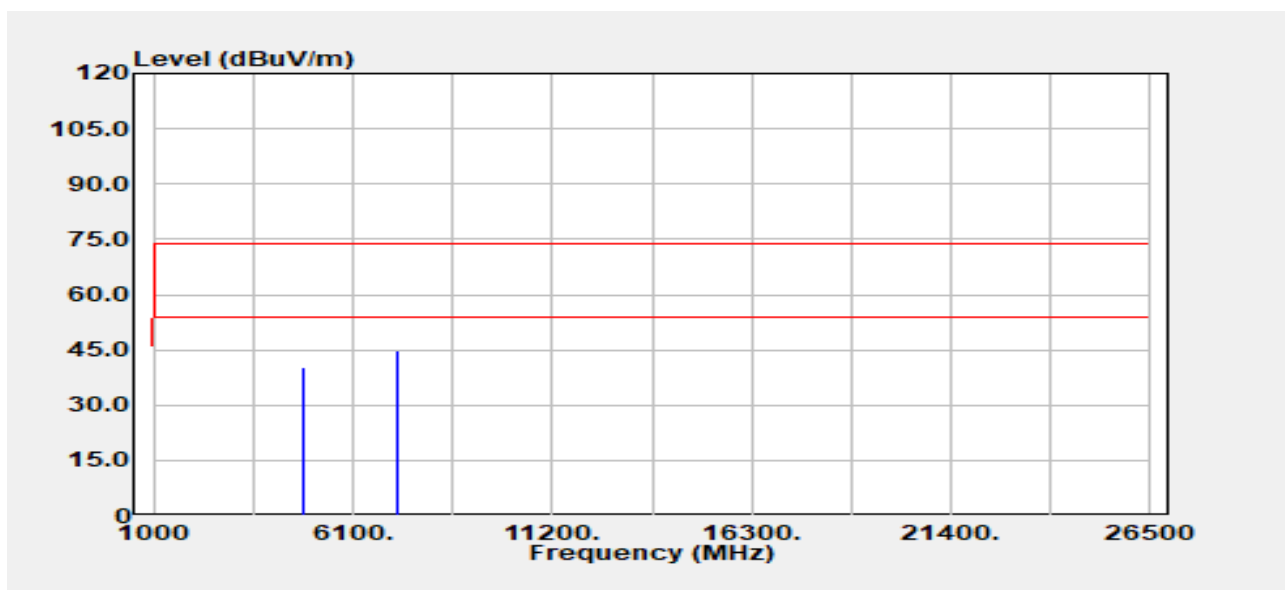
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4924.00	Peak	45.12	2.70	47.82	74.00	-26.18
4924.00	Average	36.35	2.70	39.05	54.00	-14.95
7386.00	Peak	35.51	8.83	44.33	74.00	-29.67
7386.00	Average	27.90	8.83	36.73	54.00	-17.27

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2422 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



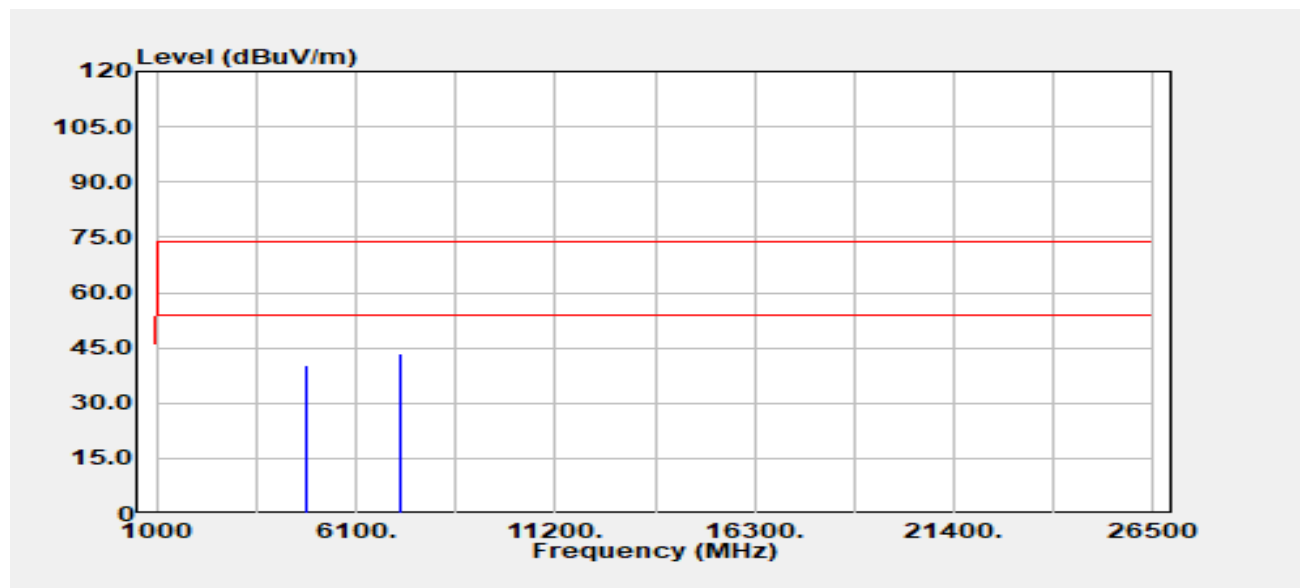
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4844.00	Peak	38.36	1.94	40.30	74.00	-33.70
4844.00	Average	31.46	1.94	33.40	54.00	-20.60
7266.00	Peak	35.81	8.85	44.65	74.00	-29.35
7266.00	Average	27.89	8.85	36.74	54.00	-17.26

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2422 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



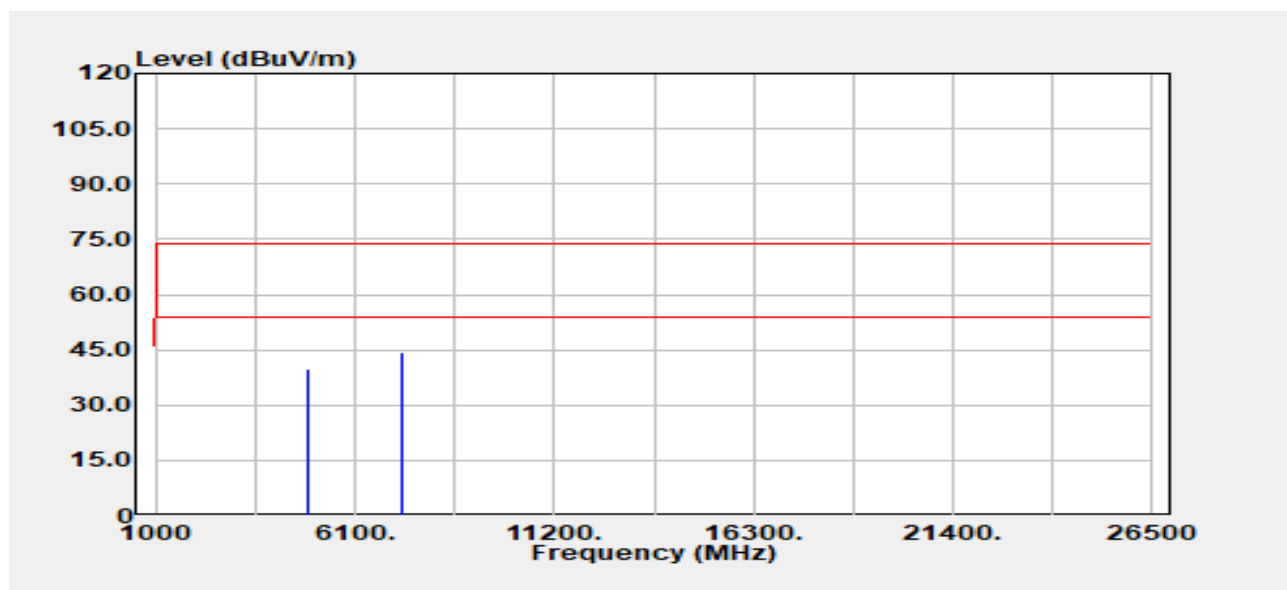
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4844.00	Peak	38.34	1.94	40.28	74.00	-33.72
4844.00	Average	30.79	1.94	32.73	54.00	-21.27
7266.00	Peak	34.75	8.85	43.60	74.00	-30.40
7266.00	Average	27.21	8.85	36.05	54.00	-17.95

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



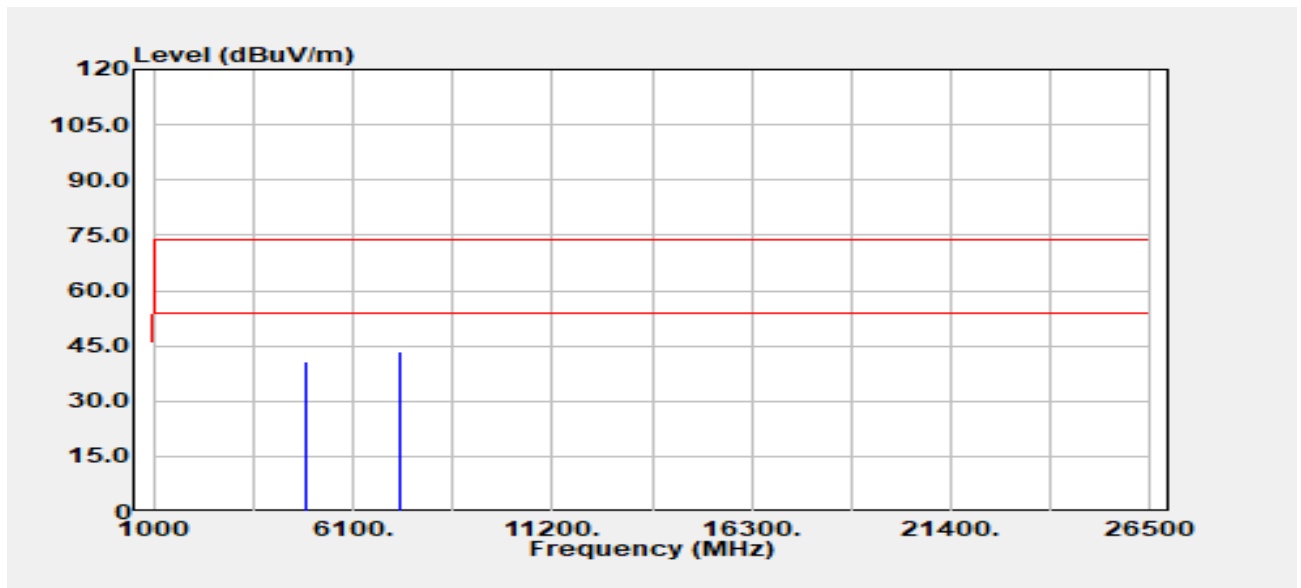
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	37.61	2.23	39.84	74.00	-34.16
4874.00	Average	30.86	2.23	33.09	54.00	-20.91
7311.00	Peak	35.56	8.70	44.26	74.00	-29.74
7311.00	Average	27.35	8.70	36.05	54.00	-17.95

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2437 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



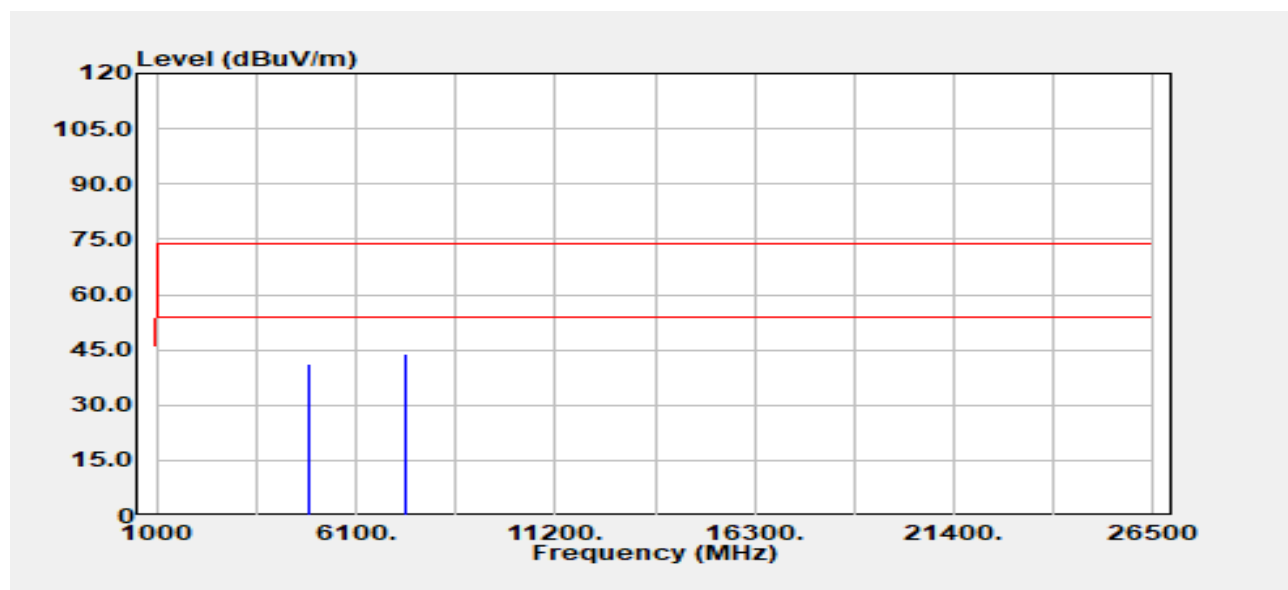
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	38.36	2.23	40.59	74.00	-33.41
4874.00	Average	30.56	2.23	32.79	54.00	-21.21
7311.00	Peak	34.70	8.70	43.40	74.00	-30.60
7311.00	Average	26.89	8.70	35.59	54.00	-18.41

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2452 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



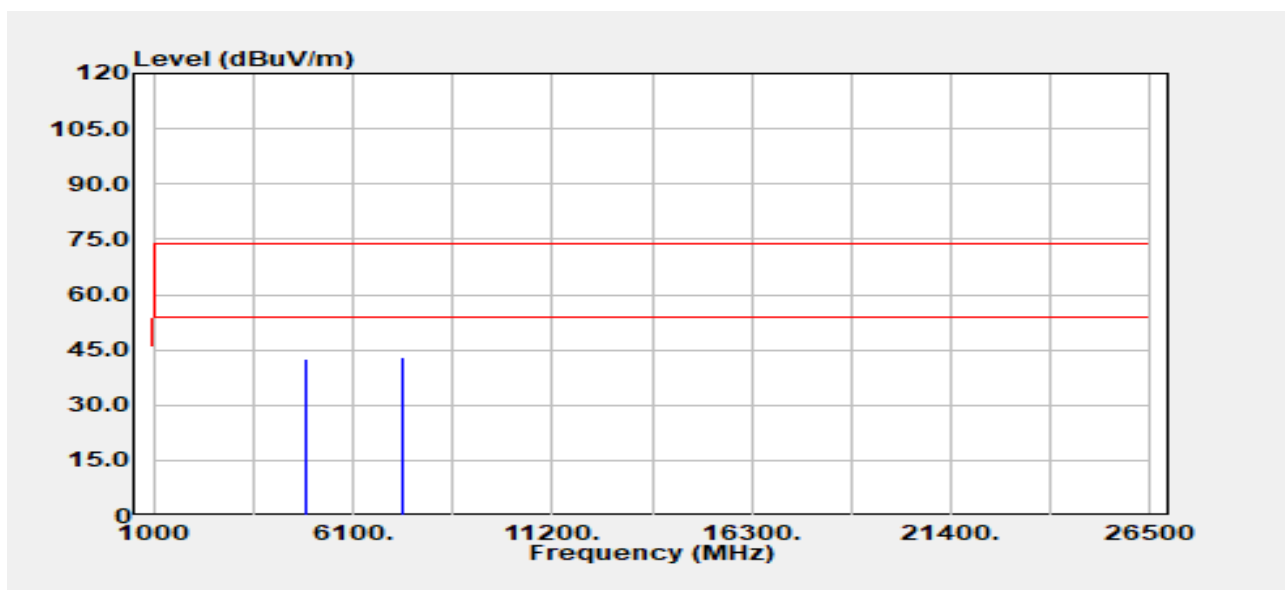
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4904.00	Peak	38.69	2.55	41.24	74.00	-32.76
4904.00	Average	30.30	2.55	32.85	54.00	-21.15
7356.00	Peak	35.38	8.73	44.11	74.00	-29.89
7356.00	Average	27.27	8.73	36.00	54.00	-18.00

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Project No :TM-2411000185P
Operation Band :802.11n40
Frequency :2452 MHz
Operation Mode :TX
EUT Pol :E2
Setting :39

Test Date :2024-12-03
Temp./Humi. :24.7/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4904.00	Peak	39.82	2.55	42.37	74.00	-31.63
4904.00	Average	31.32	2.55	33.87	54.00	-20.13
7356.00	Peak	34.43	8.73	43.16	74.00	-30.84
7356.00	Average	26.95	8.73	35.68	54.00	-18.32

- End of Test Report -