

Band Edge BLE 1M LowCH00-2402MHz



Band Edge BLE 2M LowCH00-2402MHz



Band Edge BLE 1M HighCH39-2480MHz



Band Edge BLE 2M HighCH39-2480MHz

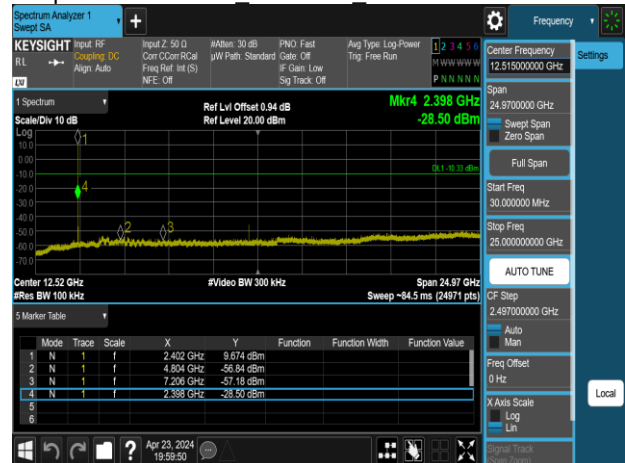


Spurious Emission

Spurious Emission BLE 125k LowCH00-2402MHz



Spurious Emission BLE 500k LowCH00-2402MHz



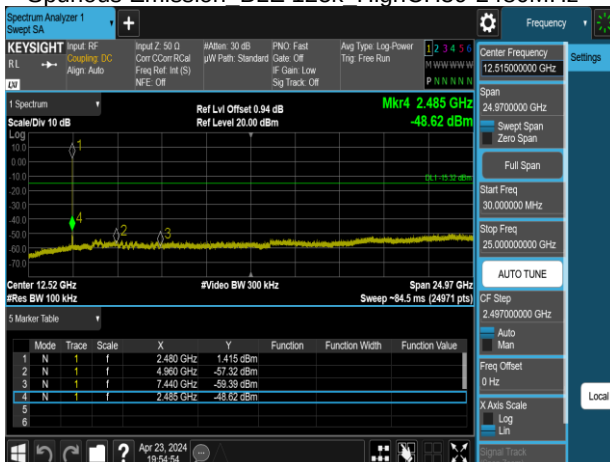
Spurious Emission BLE 125k MidCH20-2442MHz



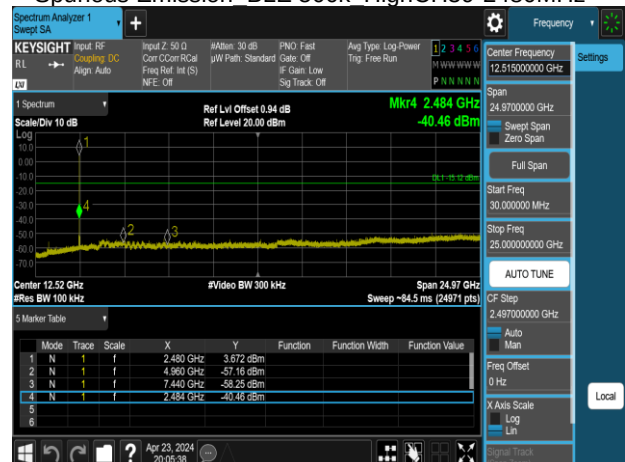
Spurious Emission BLE 500k MidCH20-2442MHz



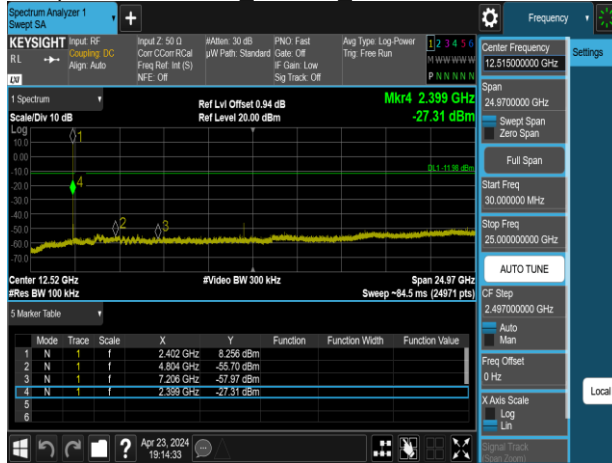
Spurious Emission BLE 125k HighCH39-2480MHz



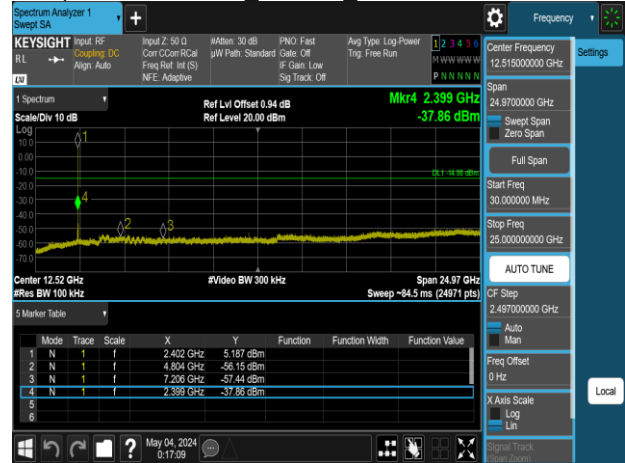
Spurious Emission BLE 500k HighCH39-2480MHz



Spurious Emission BLE 1M LowCH00-2402MHz



Spurious Emission BLE 2M LowCH00-2402MHz



Spurious Emission BLE 1M MidCH20-2442MHz



Spurious Emission BLE 2M MidCH20-2442MHz



Spurious Emission BLE 1M HighCH39-2480MHz



Spurious Emission BLE 2M HighCH39-2480MHz



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 (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

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

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.

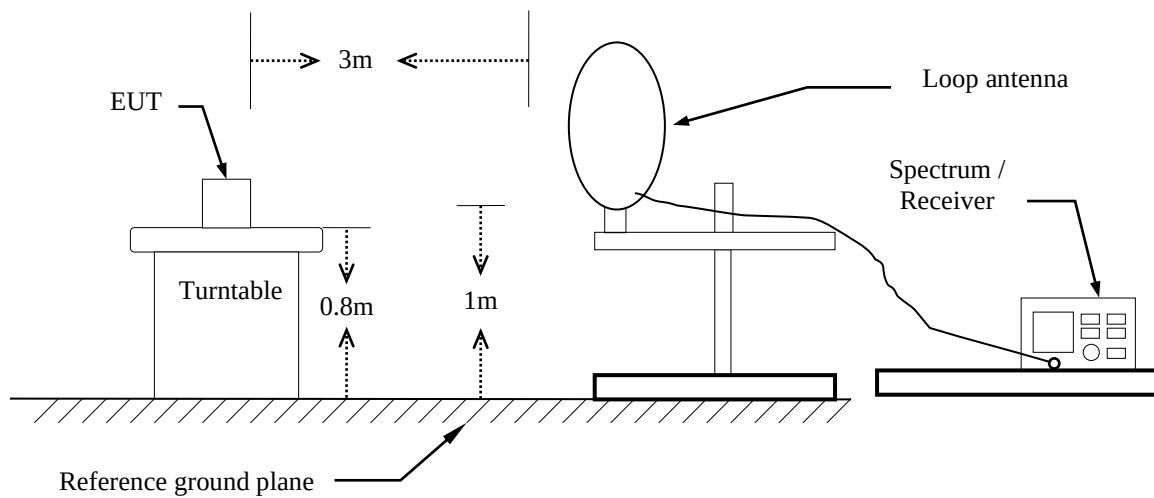
6. Data result :

Actual FS=Spectrum Reading Level + Factor

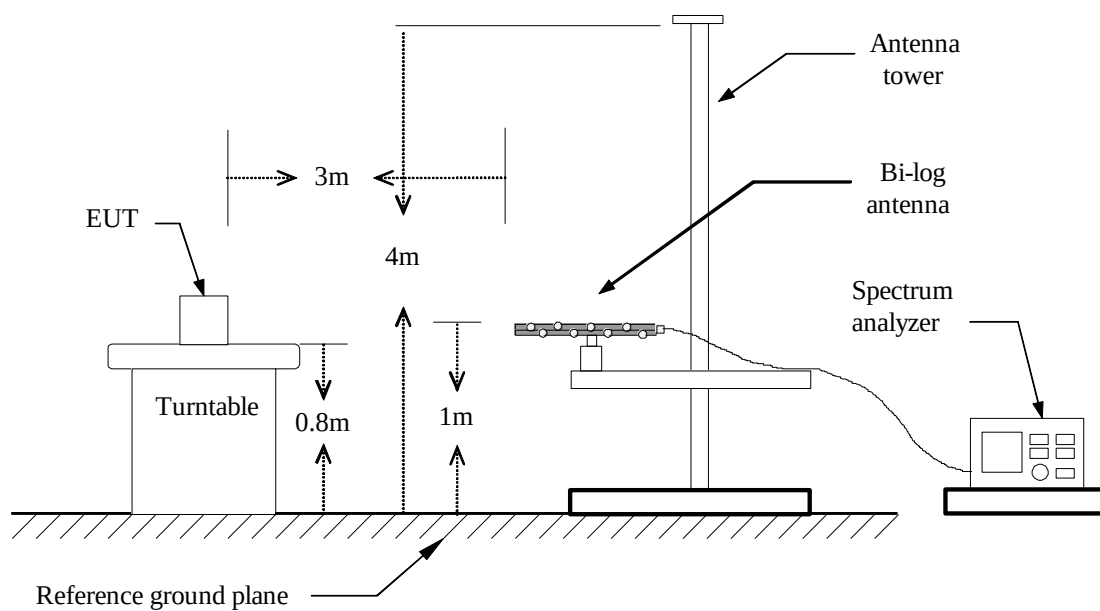
Margin=Actual FS- Limit

4.6.3 Test Setup

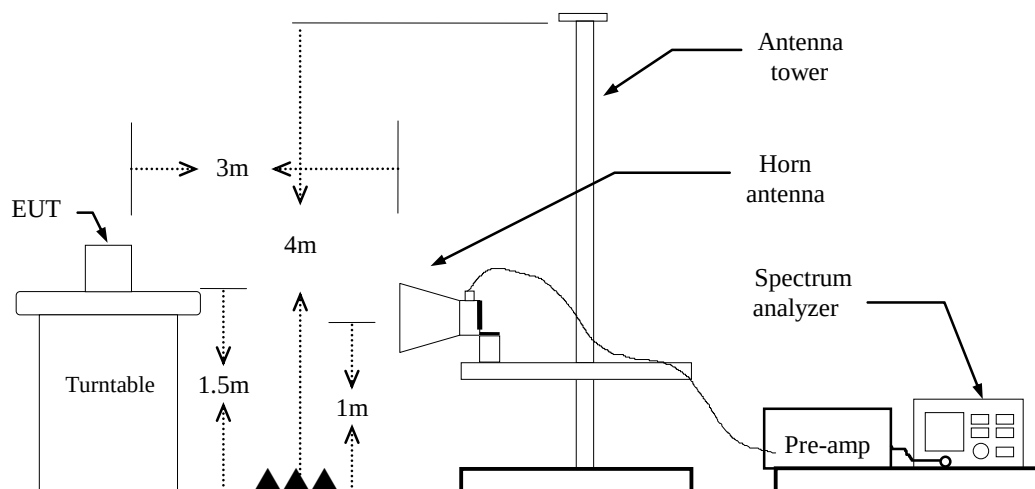
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz

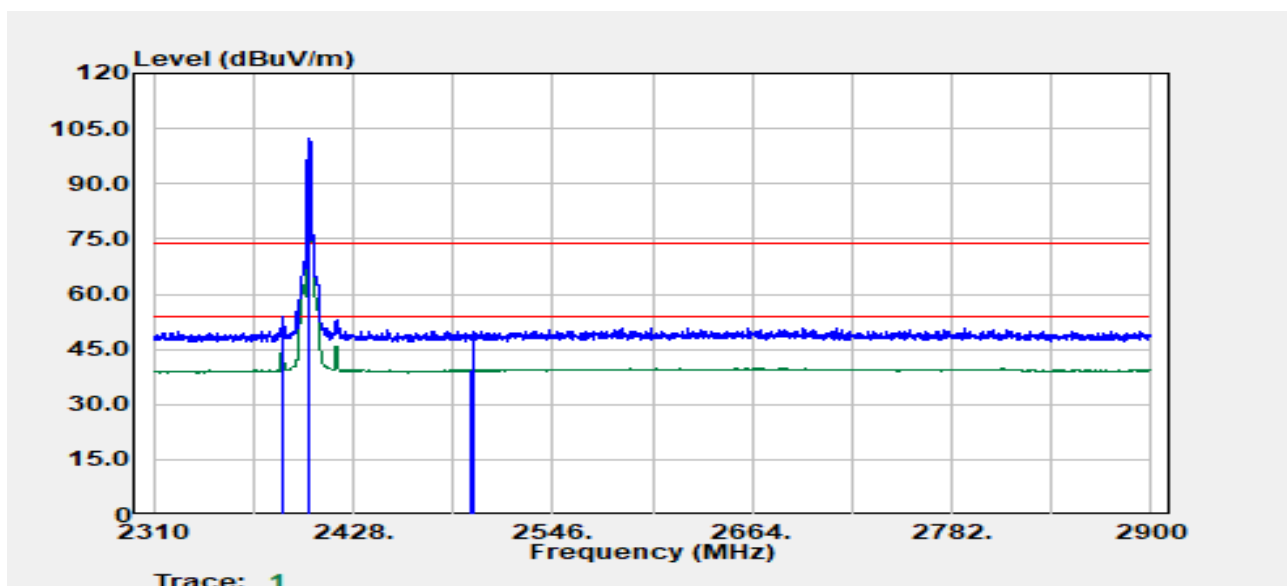


4.6.4 Test Result

Band Edge Test Data

Project No : TM-2309000207P
Operation Band : BLE_125k
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting : 31

Test Date : 2024-04-25
Temp./Humi. : 24.4/60
Antenna Pol. : VERTICAL
Engineer : Ray Li
Test Chamber : 966A



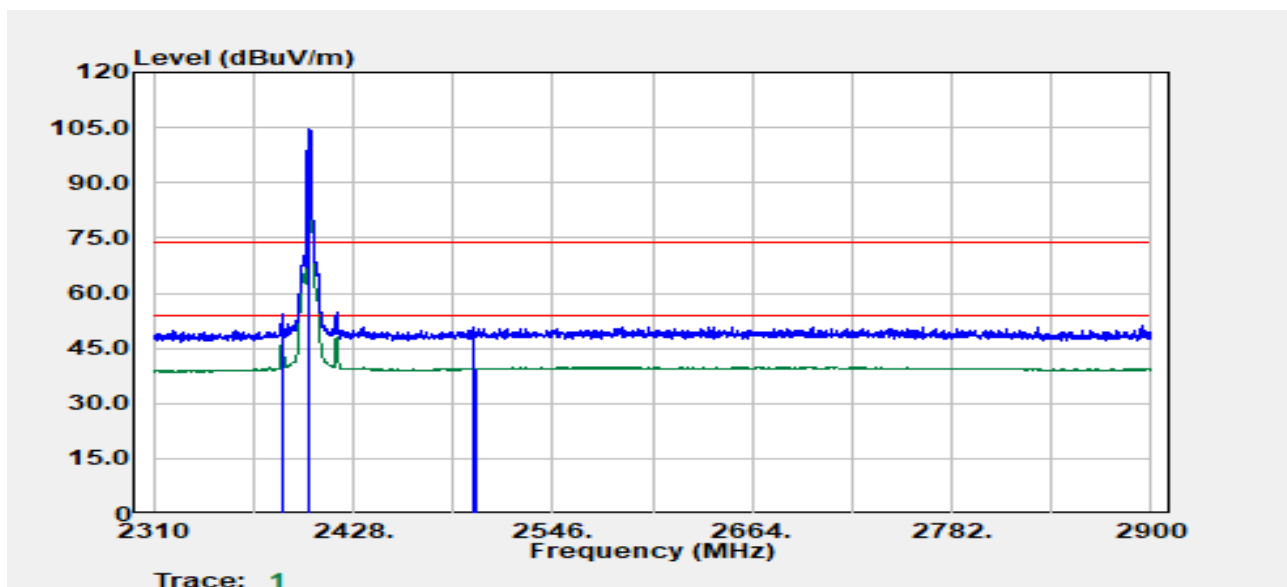
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.03	Peak	47.71	6.20	53.90	74.00	-20.10
2386.03	Average	39.82	6.20	46.02	54.00	-7.98
2402.00	Peak	95.96	6.29	102.25	--	--
2402.00	Average	95.43	6.29	101.72	--	--
2498.08	Average	32.49	6.83	39.32	54.00	-14.68
2499.58	Peak	43.16	6.84	50.00	74.00	-24.00

Report No.: TMWK2405001827KR

Page: 51 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



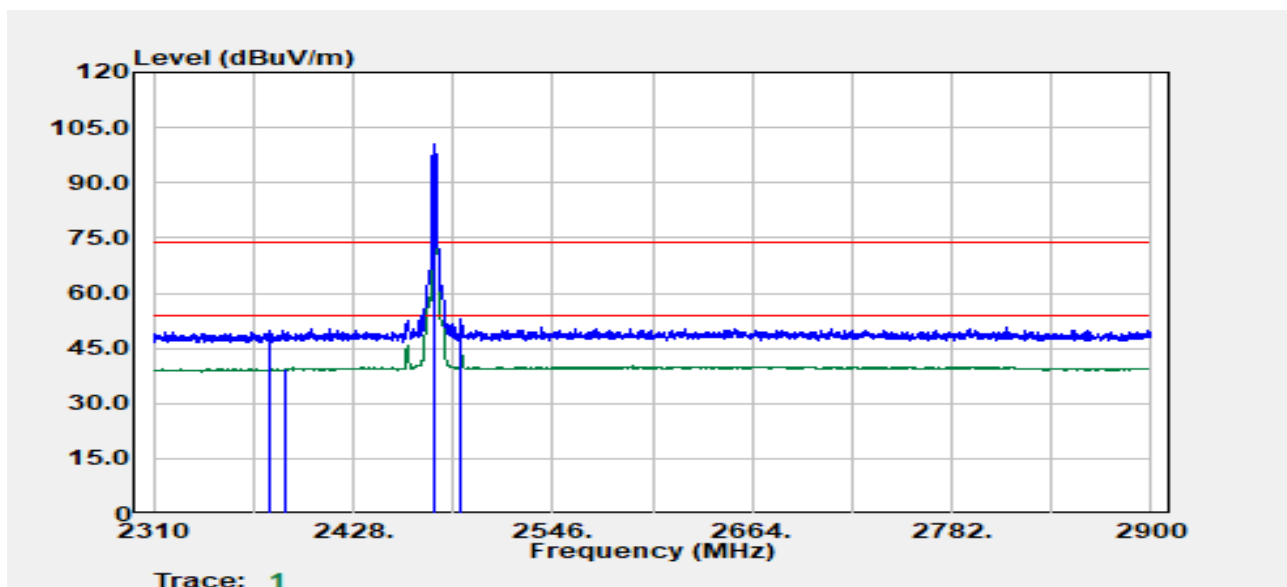
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.03	Peak	48.26	6.20	54.45	74.00	-19.55
2386.03	Average	42.11	6.20	48.31	54.00	-5.69
2402.00	Peak	98.46	6.29	104.75	--	--
2402.00	Average	97.95	6.29	104.25	--	--
2499.83	Peak	43.69	6.84	50.53	74.00	-23.47
2500.08	Average	32.62	6.84	39.47	54.00	-14.53

Report No.: TMWK2405001827KR

Page: 52 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125K
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



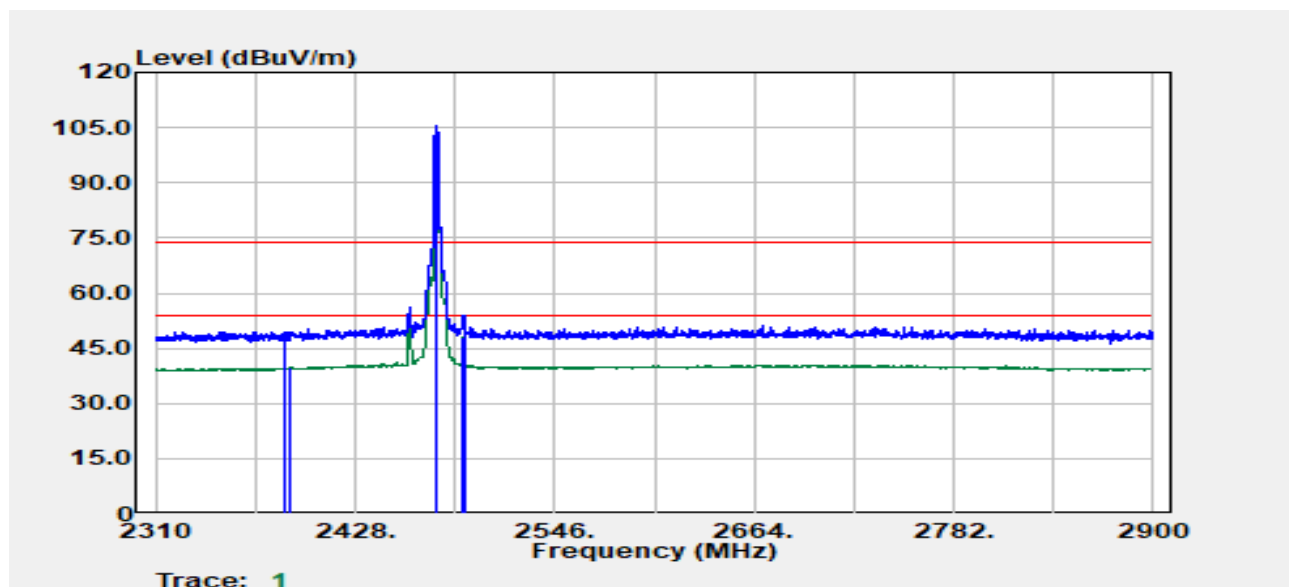
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2377.91	Peak	43.58	6.09	49.67	74.00	-24.33
2387.90	Average	33.15	6.24	39.38	54.00	-14.62
2476.00	Peak	94.14	6.57	100.71	--	--
2476.00	Average	92.62	6.57	99.19	--	--
2491.52	Peak	46.18	6.81	52.99	74.00	-21.01
2492.02	Average	36.51	6.81	43.32	54.00	-10.68

Report No.: TMWK2405001827KR

Page: 53 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125K
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



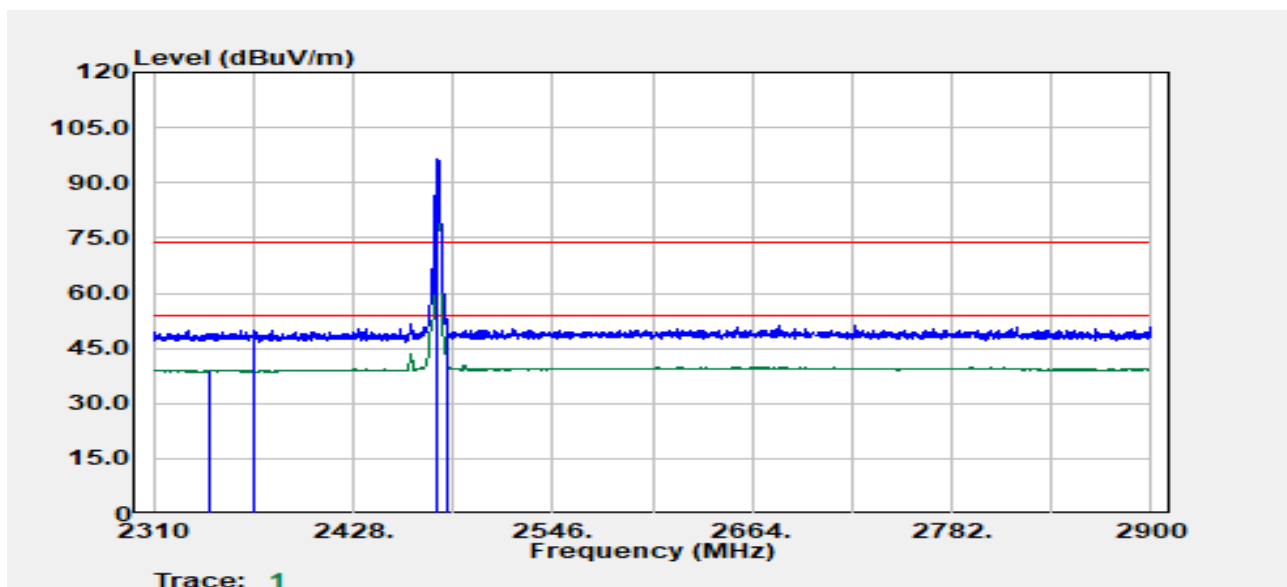
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.90	Peak	43.31	6.21	49.53	74.00	-24.47
2389.65	Average	33.45	6.27	39.72	54.00	-14.28
2476.00	Peak	98.85	6.57	105.42	--	--
2476.00	Average	98.43	6.57	105.01	--	--
2492.02	Average	41.15	6.81	47.96	54.00	-6.04
2492.27	Peak	47.16	6.81	53.98	74.00	-20.02

Report No.: TMWK2405001827KR

Page: 54 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :28

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



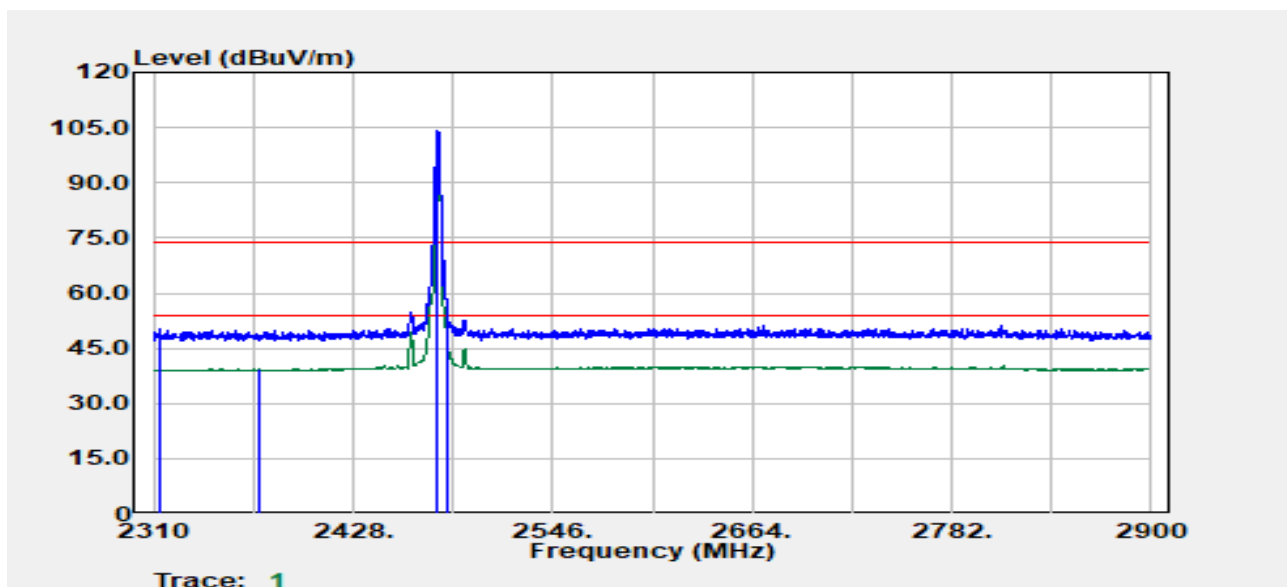
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2343.51	Average	32.97	6.16	39.12	54.00	-14.88
2369.53	Peak	43.65	6.16	49.81	74.00	-24.19
2478.00	Peak	89.97	6.62	96.59	--	--
2478.00	Average	89.21	6.62	95.83	--	--
2483.57	Peak	44.44	6.72	51.16	74.00	-22.84
2483.57	Average	36.50	6.72	43.22	54.00	-10.78

Report No.: TMWK2405001827KR

Page: 55 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :28

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



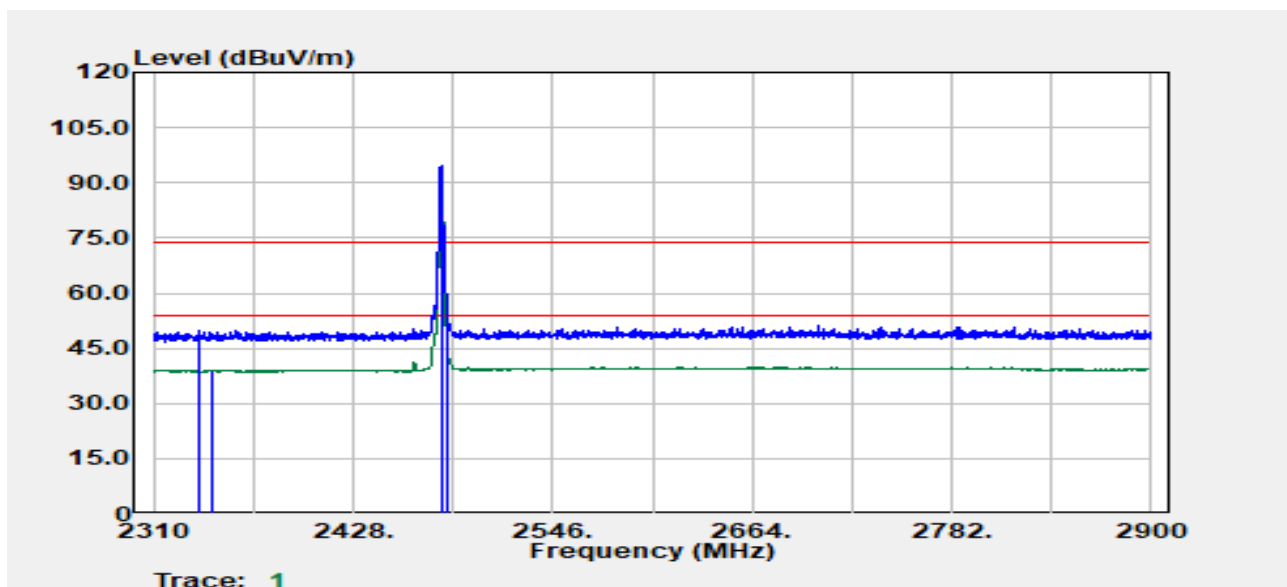
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2313.50	Peak	44.26	6.14	50.40	74.00	-23.60
2372.53	Average	33.10	6.14	39.24	54.00	-14.76
2478.00	Peak	97.66	6.62	104.28	--	--
2478.00	Average	96.95	6.62	103.57	--	--
2483.57	Peak	50.50	6.72	57.22	74.00	-16.78
2483.57	Average	43.52	6.72	50.23	54.00	-3.77

Report No.: TMWK2405001827KR

Page: 56 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



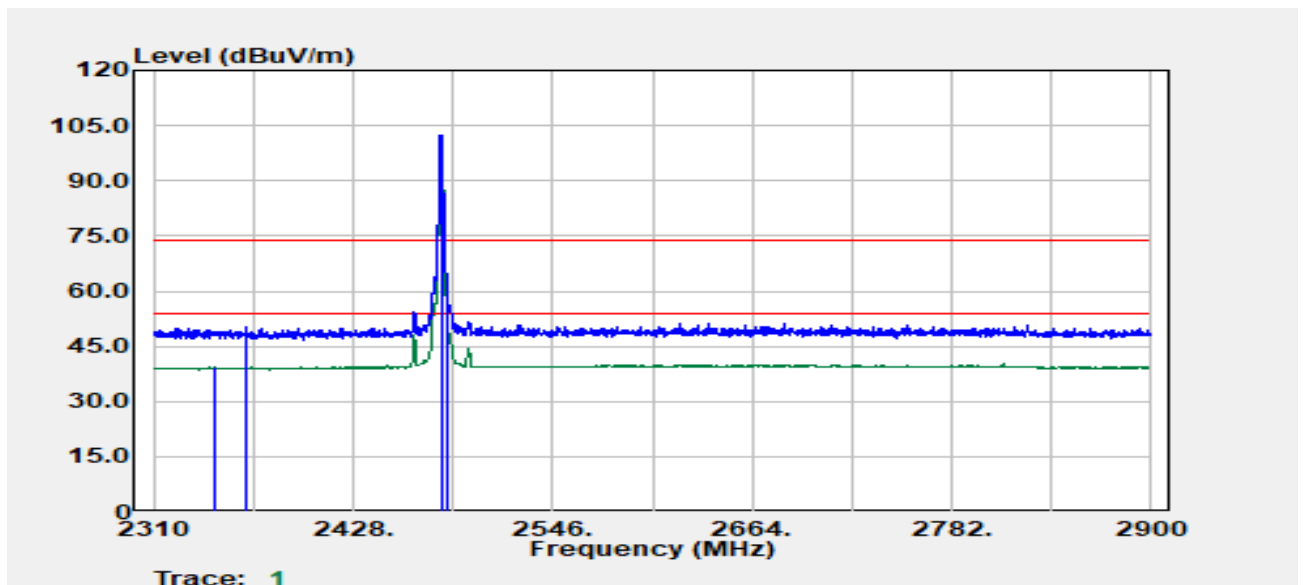
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2337.01	Peak	43.80	6.13	49.94	74.00	-24.06
2344.01	Average	32.94	6.16	39.11	54.00	-14.89
2480.00	Peak	87.91	6.67	94.58	--	--
2480.00	Average	86.74	6.67	93.41	--	--
2483.57	Peak	48.15	6.72	54.86	74.00	-19.14
2483.57	Average	38.30	6.72	45.01	54.00	-8.99

Report No.: TMWK2405001827KR

Page: 57 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



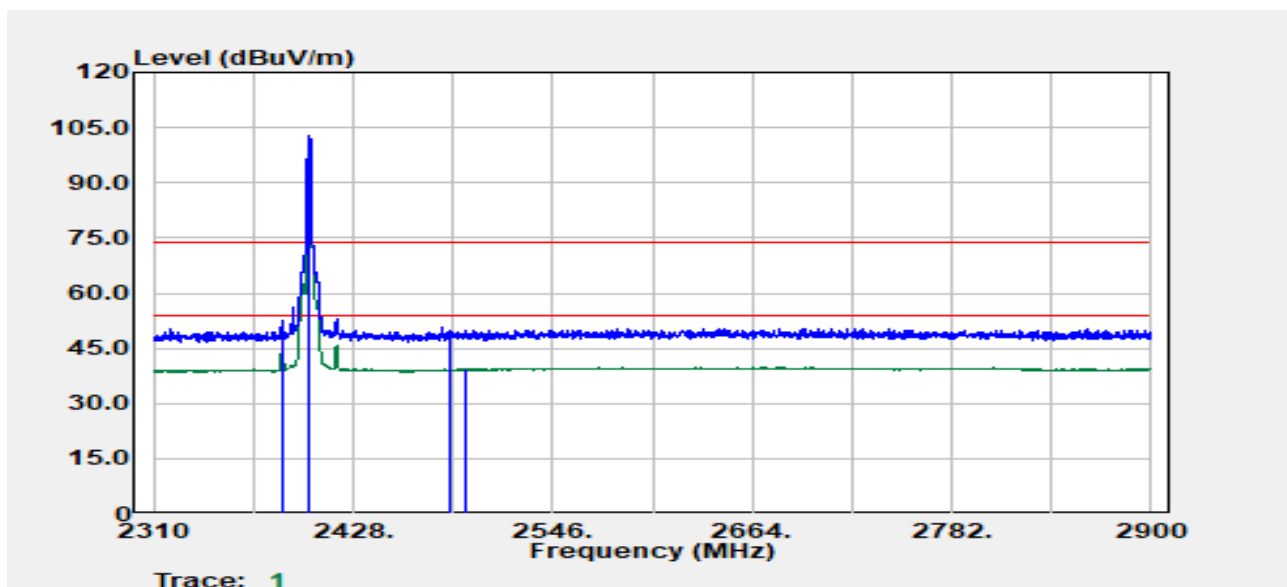
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2346.77	Average	33.03	6.20	39.23	54.00	-14.77
2365.02	Peak	43.89	6.20	50.10	74.00	-23.90
2480.00	Peak	95.64	6.67	102.30	--	--
2480.00	Average	94.90	6.67	101.57	--	--
2483.57	Peak	56.19	6.72	62.90	74.00	-11.10
2483.57	Average	45.59	6.72	52.30	54.00	-1.70

Report No.: TMWK2405001827KR

Page: 58 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



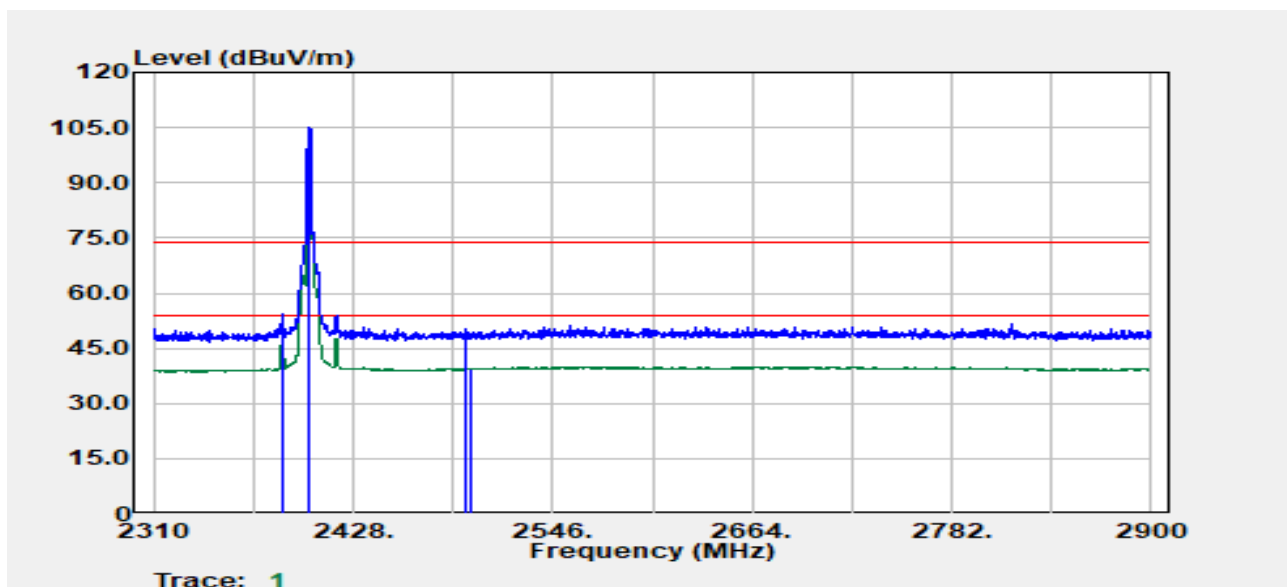
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.03	Peak	46.27	6.20	52.47	74.00	-21.53
2386.03	Average	39.60	6.20	45.79	54.00	-8.21
2402.00	Peak	96.34	6.29	102.63	--	--
2402.00	Average	95.44	6.29	101.74	--	--
2485.82	Peak	43.19	6.75	49.94	74.00	-24.06
2495.08	Average	32.50	6.82	39.32	54.00	-14.68

Report No.: TMWK2405001827KR

Page: 59 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



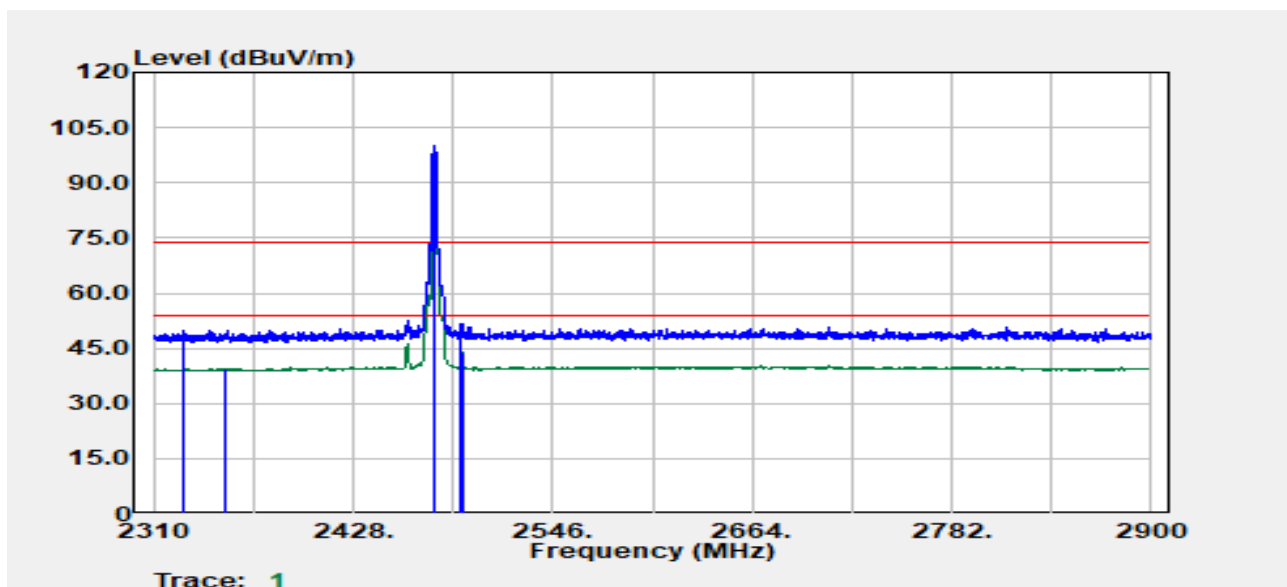
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.03	Average	41.94	6.20	48.13	54.00	-5.87
2386.28	Peak	48.12	6.20	54.32	74.00	-19.68
2402.00	Peak	98.82	6.29	105.11	--	--
2402.00	Average	97.97	6.29	104.27	--	--
2494.33	Peak	43.22	6.82	50.04	74.00	-23.96
2497.83	Average	32.63	6.83	39.46	54.00	-14.54

Report No.: TMWK2405001827KR

Page: 60 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500K
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



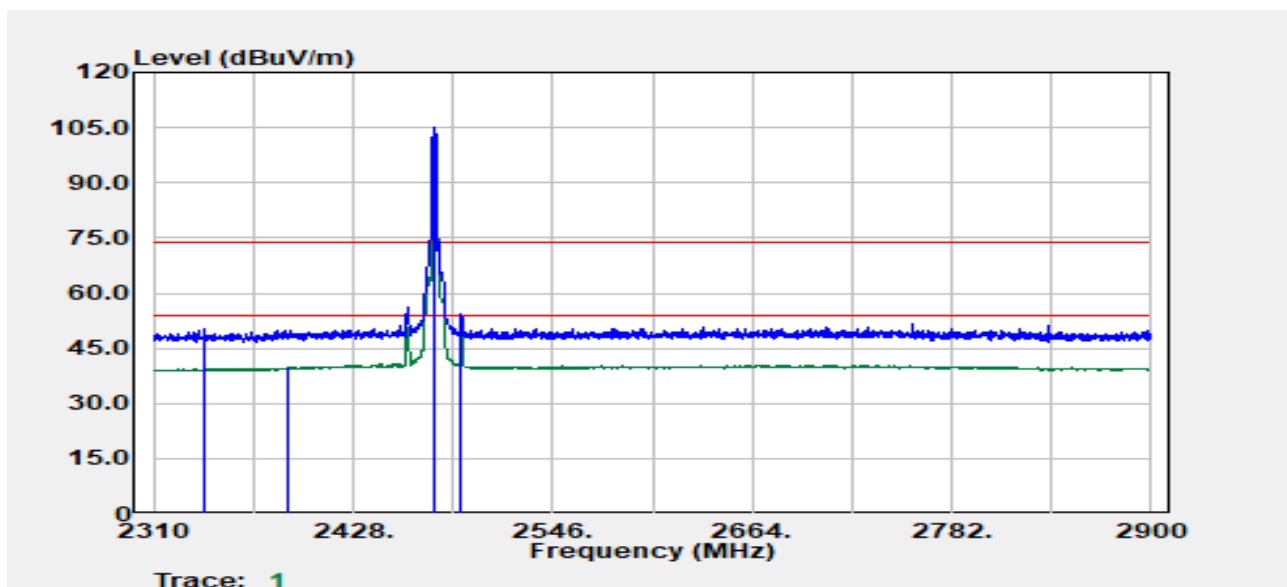
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2327.23	Peak	43.80	6.18	49.98	74.00	-24.02
2351.95	Average	33.21	6.24	39.45	54.00	-14.55
2476.00	Peak	93.61	6.57	100.19	--	--
2476.00	Average	93.18	6.57	99.75	--	--
2492.02	Peak	44.66	6.81	51.47	74.00	-22.53
2492.27	Average	37.29	6.81	44.10	54.00	-9.90

Report No.: TMWK2405001827KR

Page: 61 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500K
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



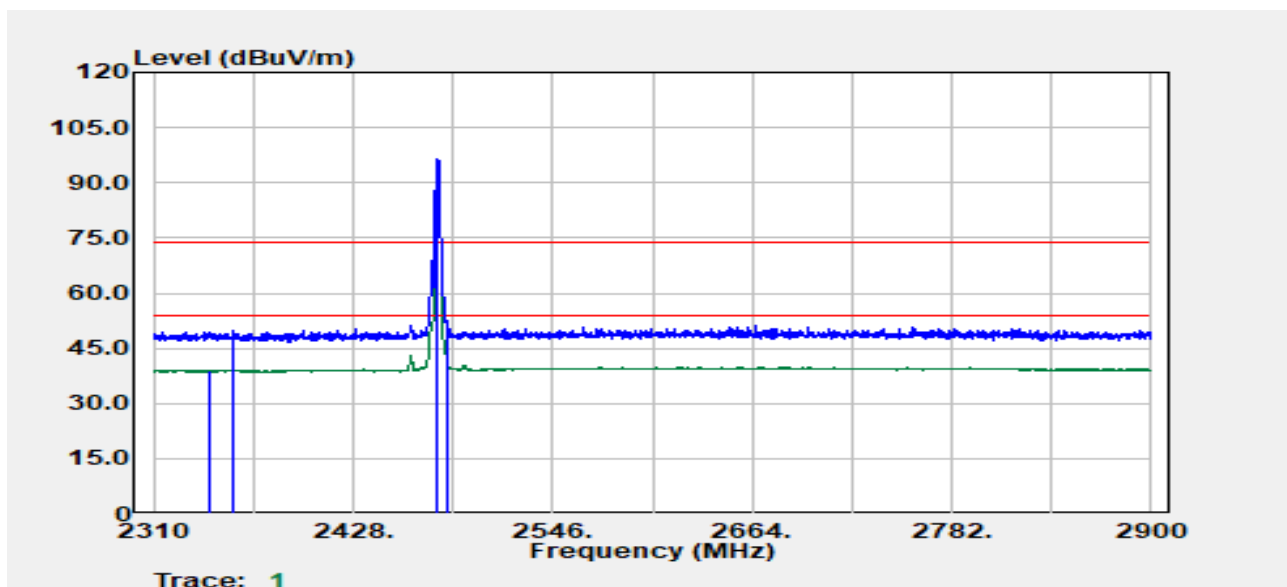
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2339.46	Peak	43.95	6.12	50.06	74.00	-23.94
2388.65	Average	33.39	6.25	39.64	54.00	-14.36
2476.00	Peak	98.42	6.57	104.99	--	--
2476.00	Average	98.08	6.57	104.65	--	--
2492.02	Peak	47.36	6.81	54.17	74.00	-19.83
2492.02	Average	41.39	6.81	48.20	54.00	-5.80

Report No.: TMWK2405001827KR

Page: 62 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :28

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



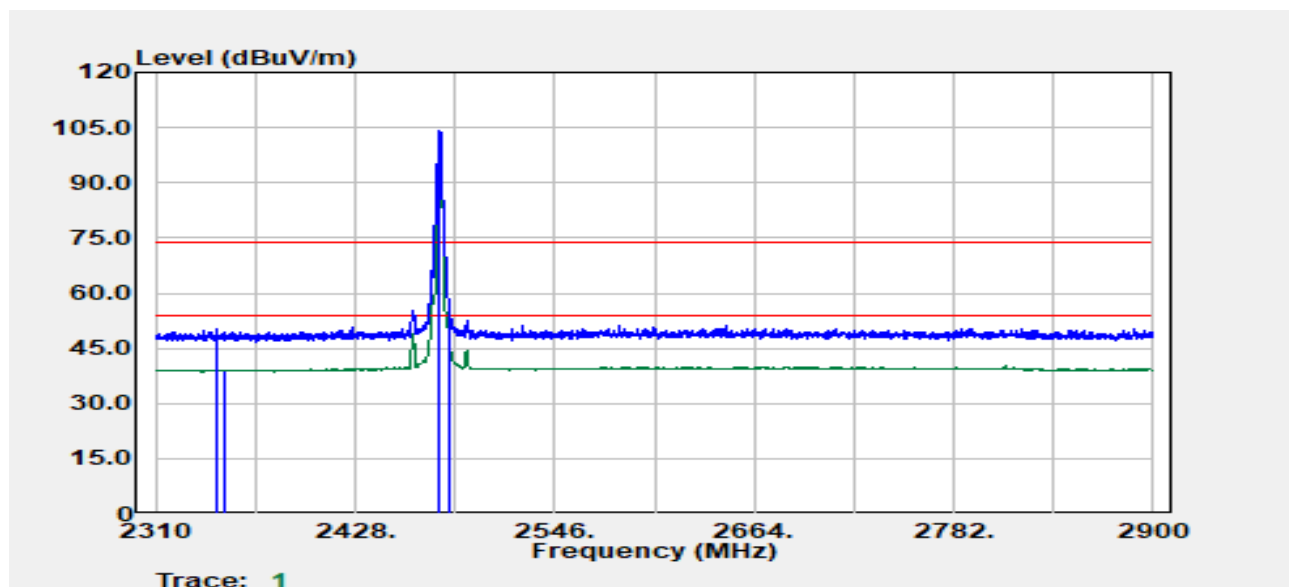
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2343.51	Average	32.87	6.16	39.03	54.00	-14.97
2356.52	Peak	43.63	6.25	49.88	74.00	-24.12
2478.00	Peak	89.97	6.62	96.58	--	--
2478.00	Average	88.86	6.62	95.48	--	--
2483.57	Peak	44.02	6.72	50.74	74.00	-23.26
2483.57	Average	35.94	6.72	42.66	54.00	-11.34

Report No.: TMWK2405001827KR

Page: 63 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :28

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



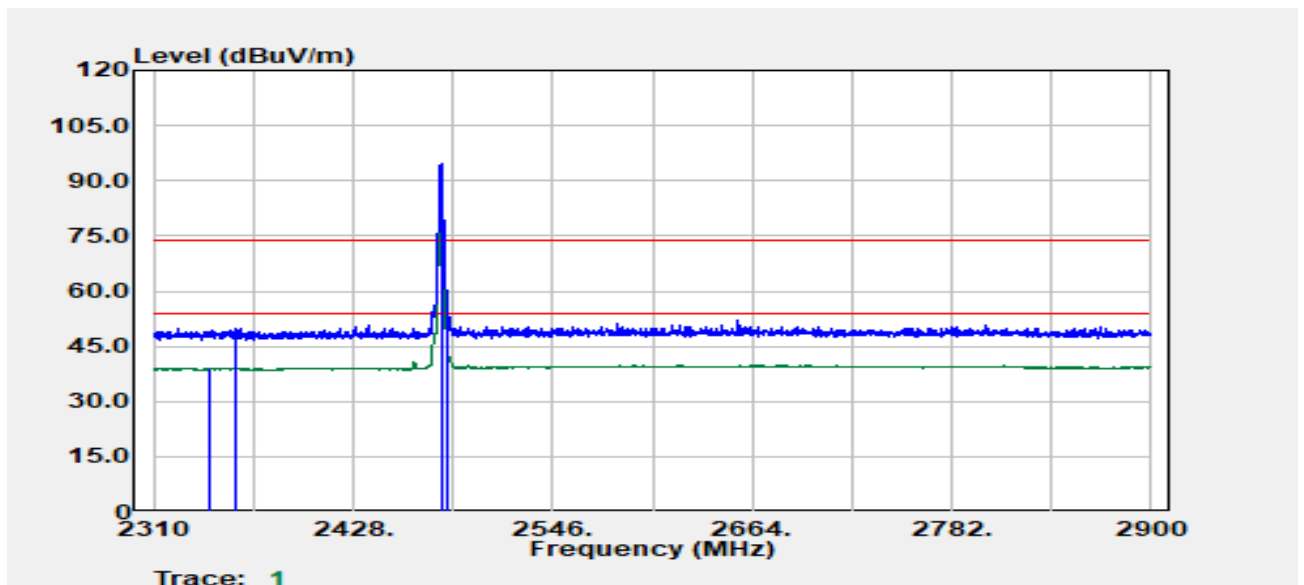
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2346.27	Peak	44.03	6.19	50.22	74.00	-23.78
2350.27	Average	32.91	6.24	39.15	54.00	-14.85
2478.00	Peak	97.72	6.62	104.34	--	--
2478.00	Average	96.69	6.62	103.31	--	--
2483.57	Peak	50.27	6.72	56.98	74.00	-17.02
2483.57	Average	42.95	6.72	49.66	54.00	-4.34

Report No.: TMWK2405001827KR

Page: 64 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



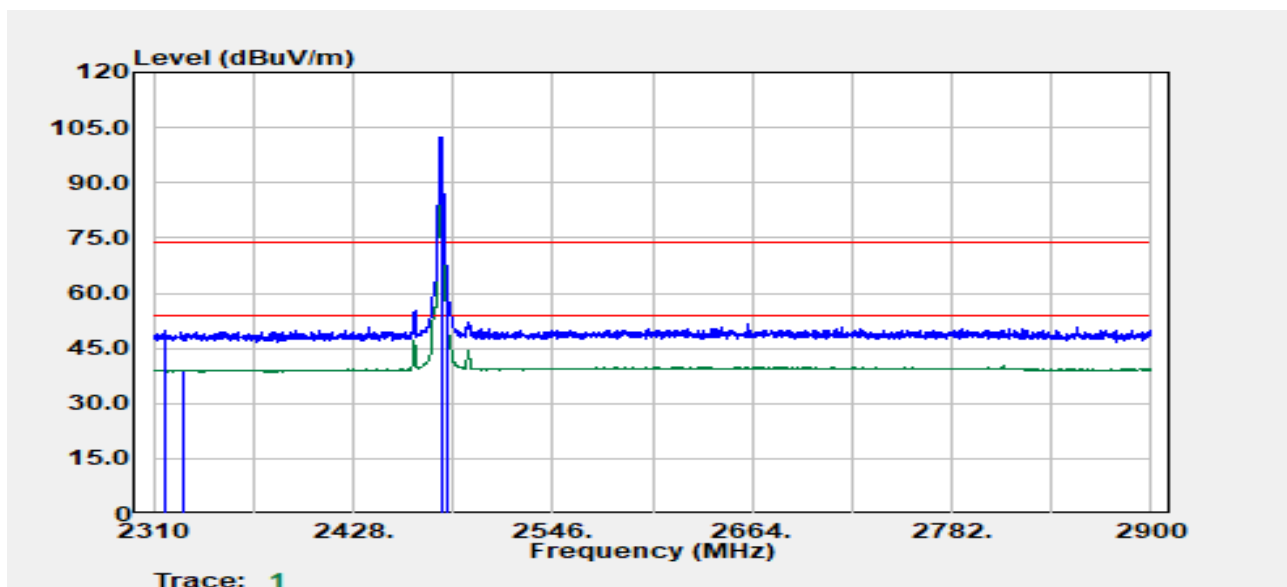
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2343.51	Average	32.94	6.16	39.09	54.00	-14.91
2358.27	Peak	43.65	6.25	49.89	74.00	-24.11
2480.00	Peak	87.80	6.67	94.46	--	--
2480.00	Average	86.50	6.67	93.17	--	--
2483.57	Peak	50.25	6.72	56.97	74.00	-17.03
2483.57	Average	37.44	6.72	44.16	54.00	-9.84

Report No.: TMWK2405001827KR

Page: 65 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



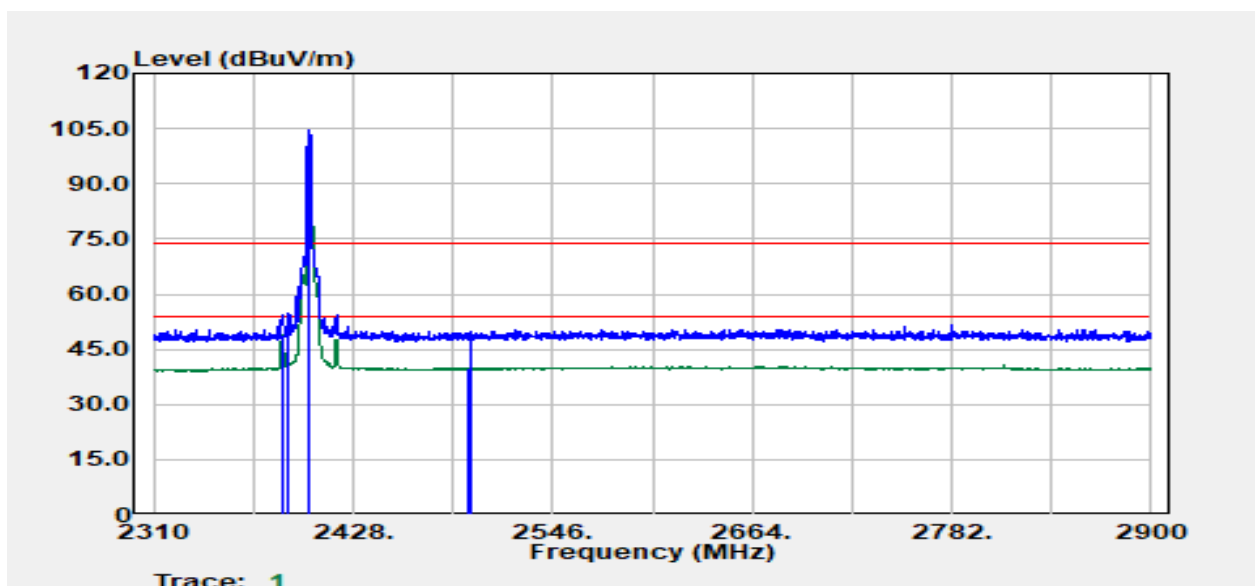
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2317.00	Peak	43.57	6.15	49.72	74.00	-24.28
2327.26	Average	32.92	6.18	39.10	54.00	-14.90
2480.00	Peak	95.73	6.67	102.40	--	--
2480.00	Average	94.67	6.67	101.34	--	--
2483.57	Peak	56.38	6.72	63.09	74.00	-10.91
2483.57	Average	45.13	6.72	51.85	54.00	-2.15

Report No.: TMWK2405001827KR

Page: 66 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



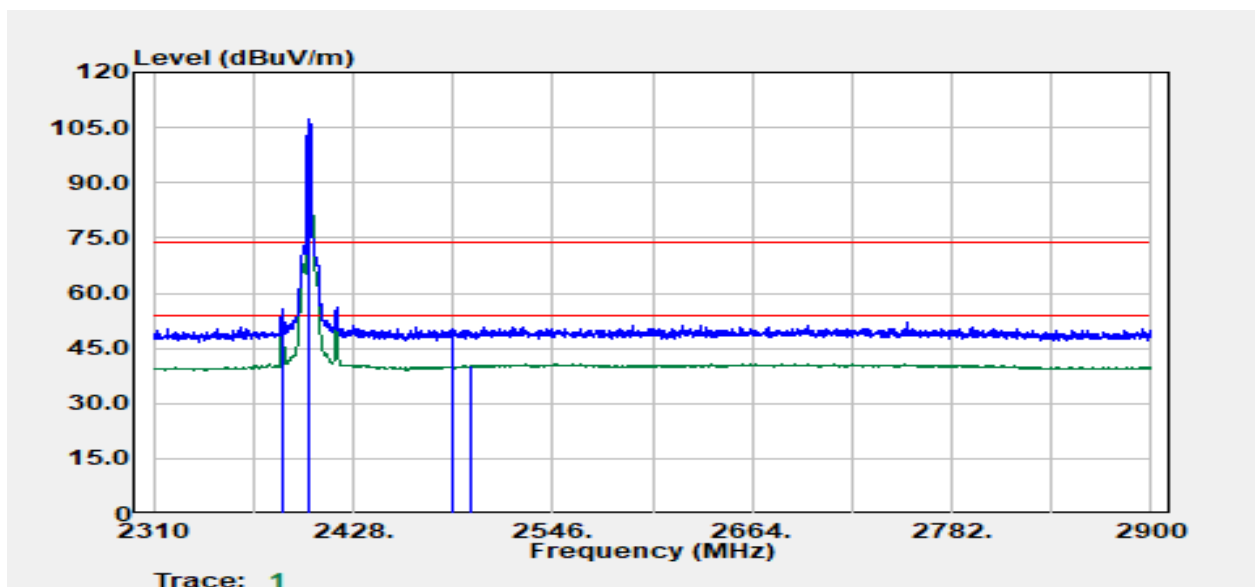
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.15	Average	42.48	6.20	48.68	54.00	-5.32
2389.90	Peak	48.35	6.28	54.63	74.00	-19.37
2402.00	Peak	98.09	6.29	104.38	--	--
2402.00	Average	97.73	6.29	104.02	--	--
2496.01	Average	33.17	6.83	40.00	54.00	-14.00
2497.01	Peak	42.85	6.83	49.68	74.00	-24.32

Report No.: TMWK2405001827KR

Page: 67 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



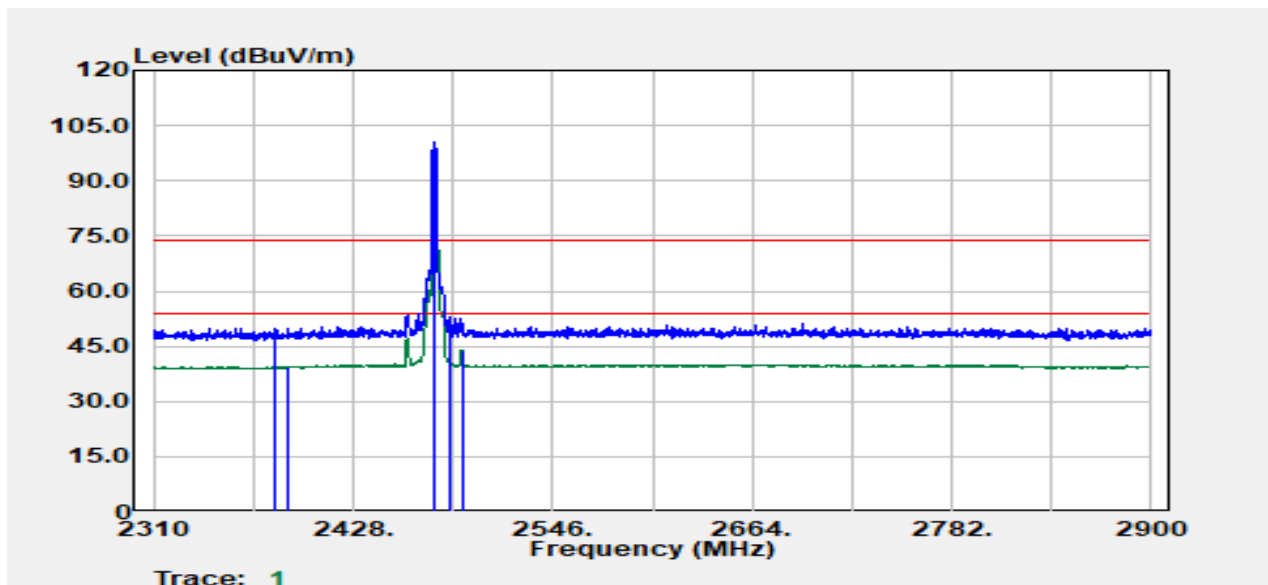
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2385.90	Average	44.14	6.19	50.33	54.00	-3.67
2386.15	Peak	49.50	6.20	55.70	74.00	-18.30
2402.00	Peak	101.04	6.29	107.33	--	--
2402.00	Average	100.67	6.29	106.96	--	--
2486.28	Peak	43.45	6.75	50.20	74.00	-23.80
2498.01	Average	33.40	6.83	40.23	54.00	-13.77

Report No.: TMWK2405001827KR

Page: 68 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



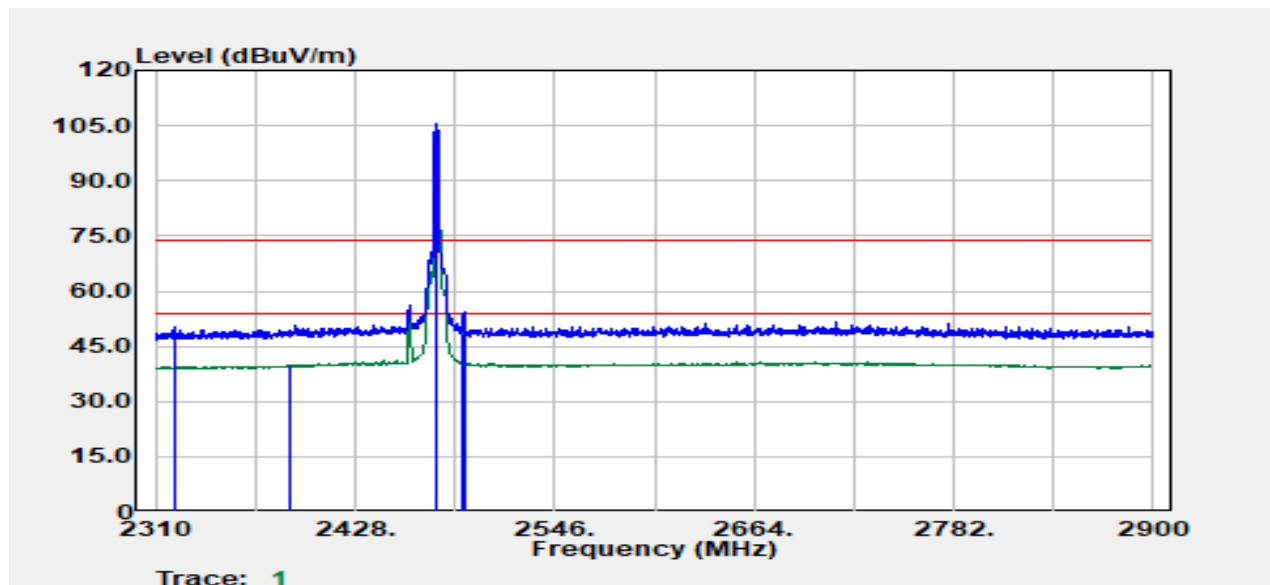
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2380.91	Peak	43.79	6.09	49.88	74.00	-24.12
2389.65	Average	33.16	6.27	39.43	54.00	-14.57
2476.00	Peak	93.99	6.57	100.56	--	--
2476.00	Average	93.65	6.57	100.22	--	--
2485.78	Peak	46.30	6.75	53.04	74.00	-20.96
2492.27	Average	37.14	6.81	43.95	54.00	-10.05

Report No.: TMWK2405001827KR

Page: 69 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



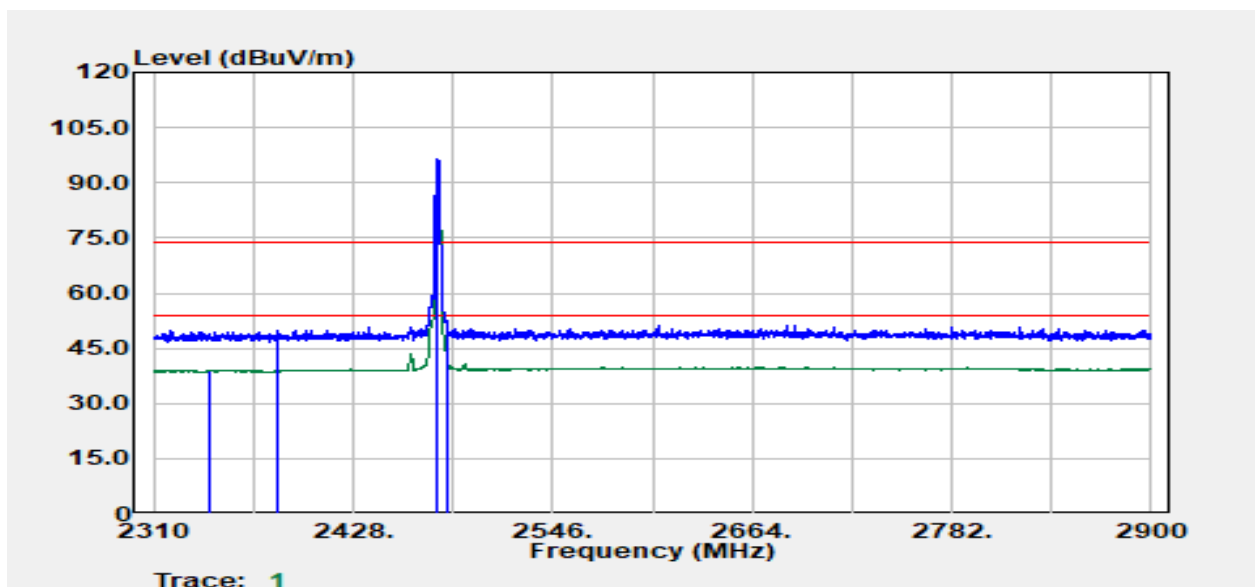
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2321.74	Peak	44.00	6.16	50.17	74.00	-23.83
2389.90	Average	33.60	6.28	39.88	54.00	-14.12
2476.00	Peak	99.02	6.57	105.59	--	--
2476.00	Average	98.68	6.57	105.25	--	--
2492.02	Average	41.65	6.81	48.46	54.00	-5.54
2492.27	Peak	47.41	6.81	54.22	74.00	-19.78

Report No.: TMWK2405001827KR

Page: 70 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :28

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



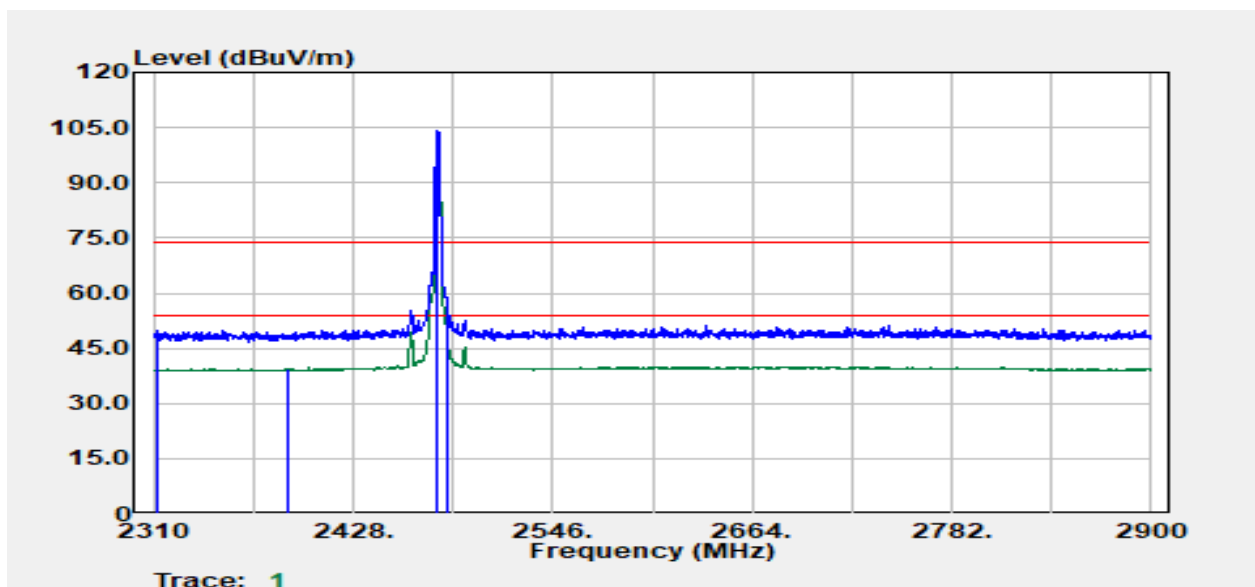
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2343.76	Average	32.96	6.16	39.12	54.00	-14.88
2383.28	Peak	43.62	6.14	49.76	74.00	-24.24
2478.00	Peak	90.03	6.62	96.65	--	--
2478.00	Average	89.37	6.62	95.99	--	--
2483.57	Peak	45.07	6.72	51.78	74.00	-22.22
2483.57	Average	36.51	6.72	43.22	54.00	-10.78

Report No.: TMWK2405001827KR

Page: 71 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :28

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



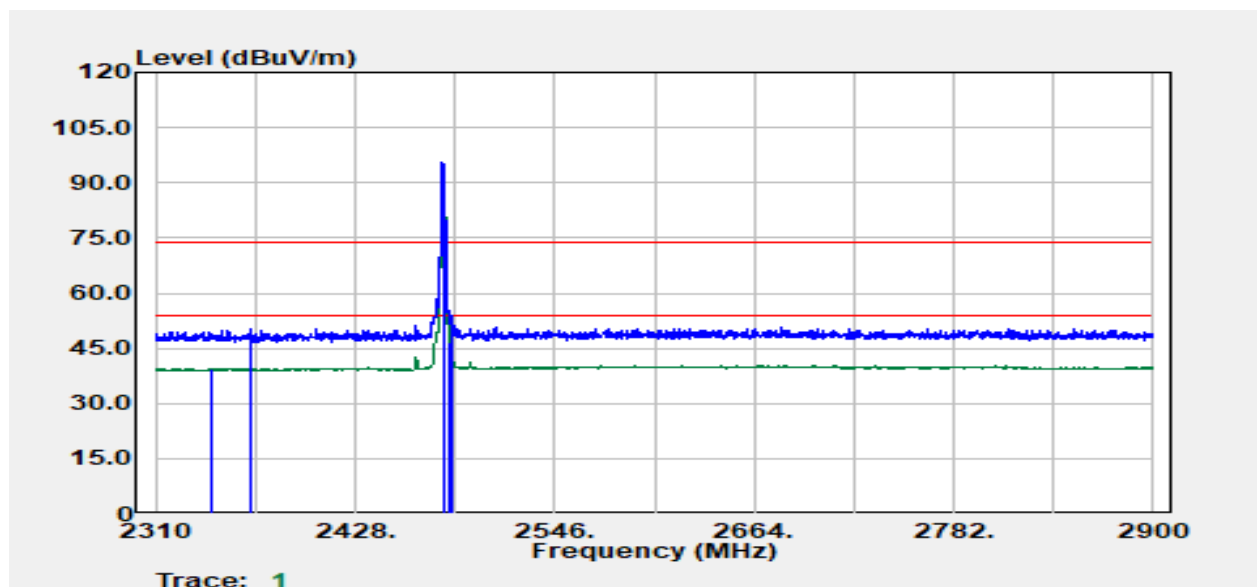
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2311.50	Peak	43.71	6.13	49.85	74.00	-24.15
2389.28	Average	32.99	6.26	39.25	54.00	-14.75
2478.00	Peak	97.66	6.62	104.28	--	--
2478.00	Average	97.08	6.62	103.70	--	--
2483.57	Peak	50.96	6.72	57.68	74.00	-16.32
2483.57	Average	43.49	6.72	50.21	54.00	-3.79

Report No.: TMWK2405001827KR

Page: 72 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



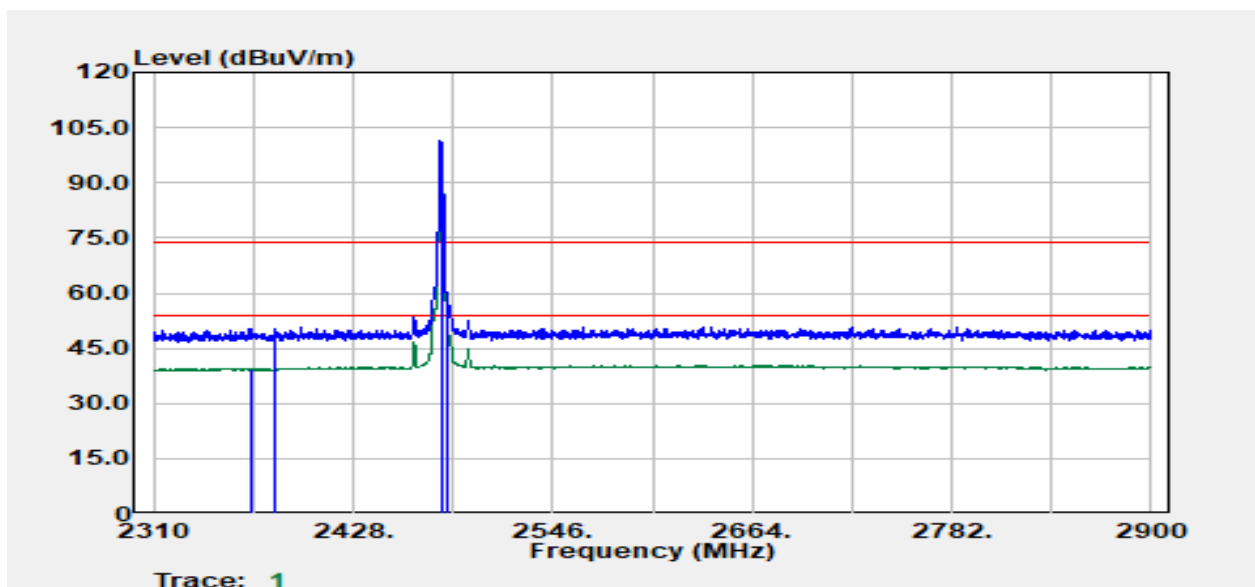
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2343.46	Average	33.32	6.16	39.47	54.00	-14.53
2365.68	Peak	43.96	6.20	50.16	74.00	-23.84
2480.00	Peak	89.05	6.67	95.72	--	--
2480.00	Average	87.60	6.67	94.26	--	--
2483.53	Average	39.74	6.71	46.45	54.00	-7.55
2484.53	Peak	47.06	6.73	53.79	74.00	-20.21

Report No.: TMWK2405001827KR

Page: 73 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



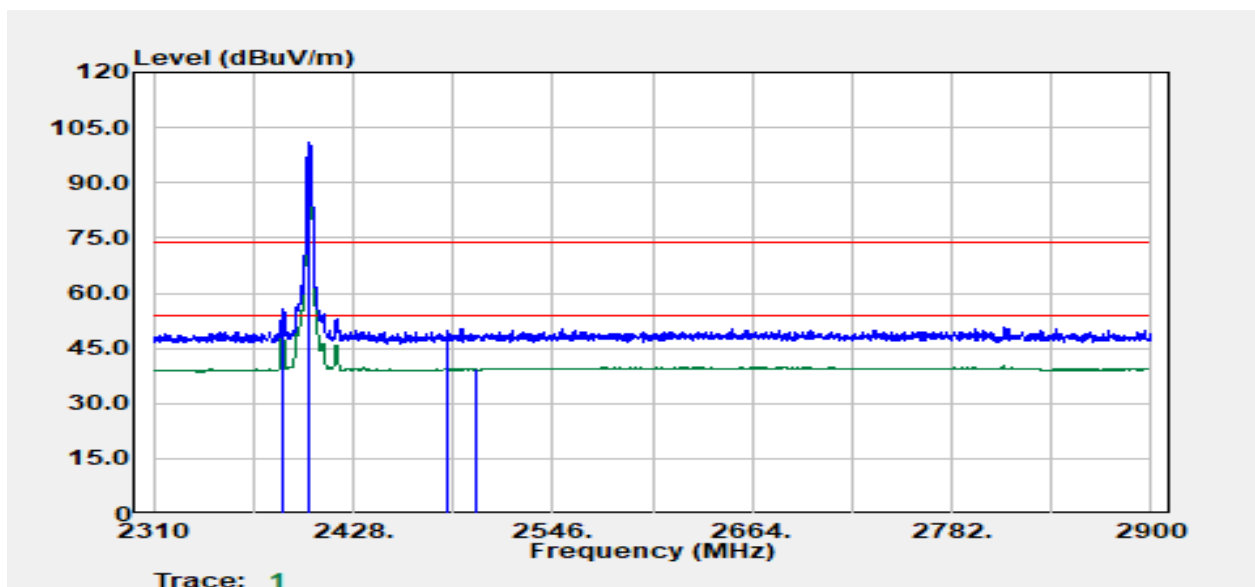
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2367.68	Average	33.36	6.18	39.54	54.00	-14.46
2381.66	Peak	44.37	6.10	50.47	74.00	-23.53
2480.00	Peak	94.73	6.67	101.40	--	--
2480.00	Average	94.20	6.67	100.87	--	--
2483.53	Peak	51.60	6.71	58.31	74.00	-15.69
2483.53	Average	45.58	6.71	52.29	54.00	-1.71

Report No.: TMWK2405001827KR

Page: 74 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :30

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



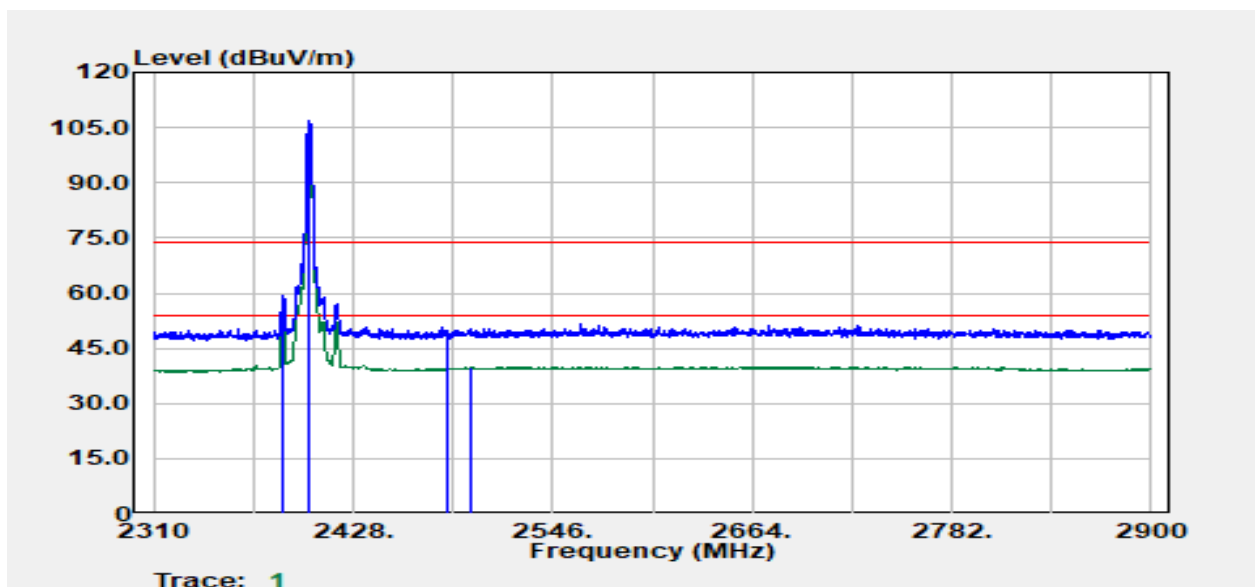
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2386.15	Average	43.29	6.20	49.49	54.00	-4.51
2386.65	Peak	49.65	6.21	55.86	74.00	-18.14
2402.00	Peak	94.50	6.29	100.80	--	--
2402.00	Average	92.89	6.29	99.18	--	--
2483.50	Peak	43.72	6.71	50.44	74.00	-23.56
2500.01	Average	32.50	6.84	39.35	54.00	-14.65

Report No.: TMWK2405001827KR

Page: 75 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :30

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



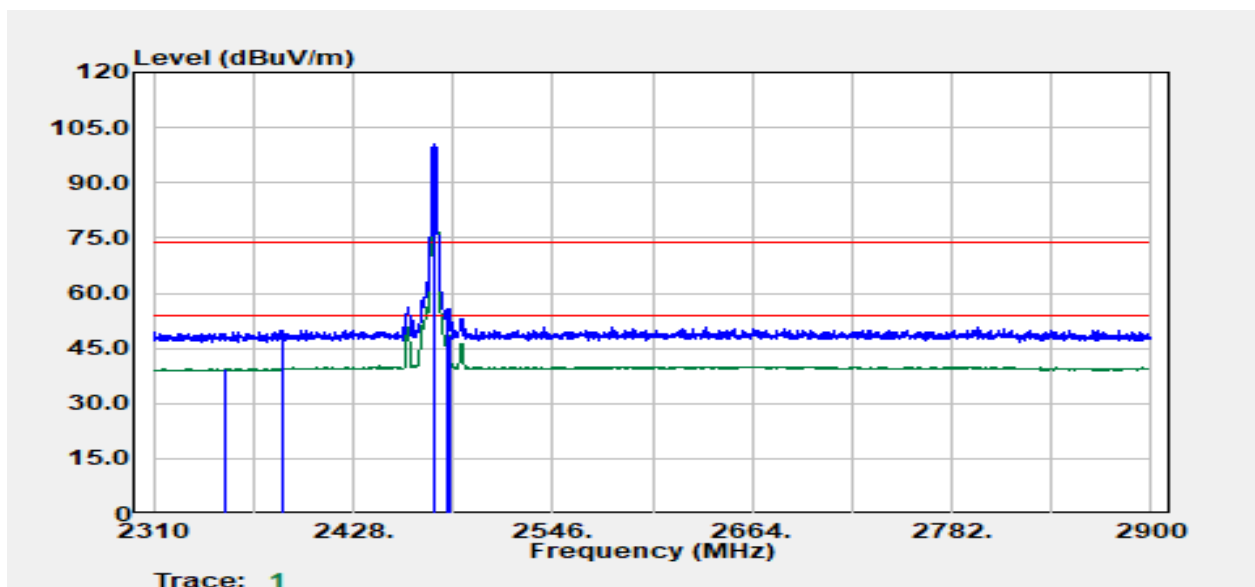
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2386.15	Average	46.67	6.20	52.87	54.00	-1.13
2386.65	Peak	52.27	6.21	58.48	74.00	-15.52
2402.00	Peak	100.61	6.29	106.90	--	--
2402.00	Average	98.97	6.29	105.26	--	--
2483.50	Peak	43.72	6.71	50.43	74.00	-23.57
2497.76	Average	32.85	6.83	39.68	54.00	-14.32

Report No.: TMWK2405001827KR

Page: 76 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



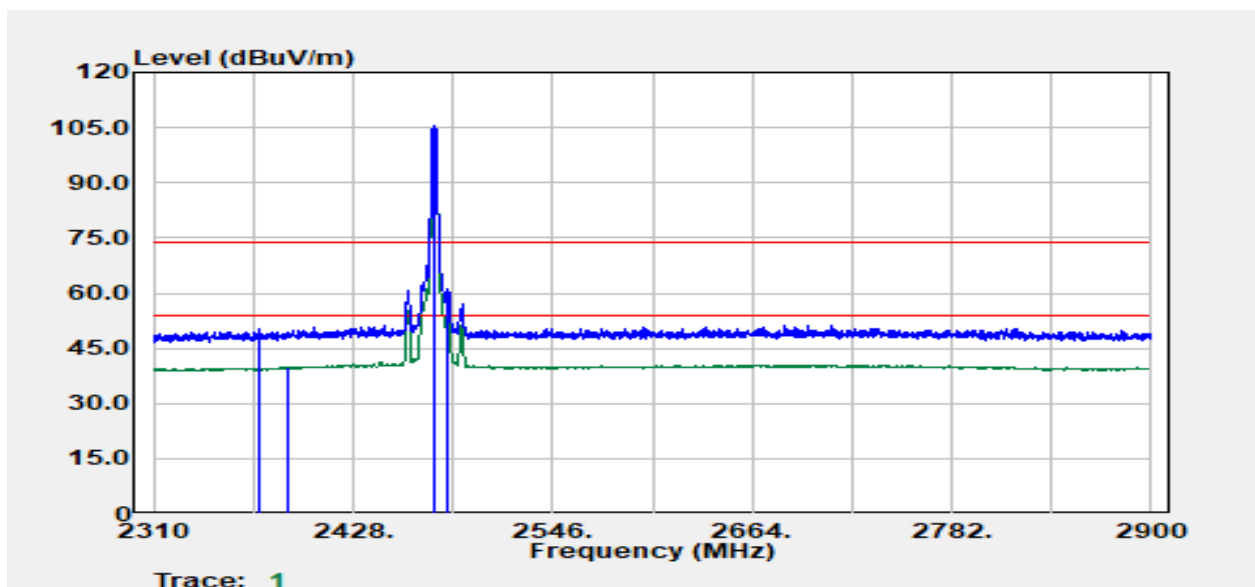
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2351.70	Average	33.26	6.24	39.50	54.00	-14.50
2386.90	Peak	43.60	6.21	49.81	74.00	-24.19
2476.00	Peak	93.81	6.57	100.38	--	--
2476.00	Average	92.41	6.57	98.98	--	--
2484.28	Peak	49.09	6.72	55.81	74.00	-18.19
2484.53	Average	41.51	6.73	48.24	54.00	-5.76

Report No.: TMWK2405001827KR

Page: 77 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2476 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :31

Test Date :2024-04-30
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



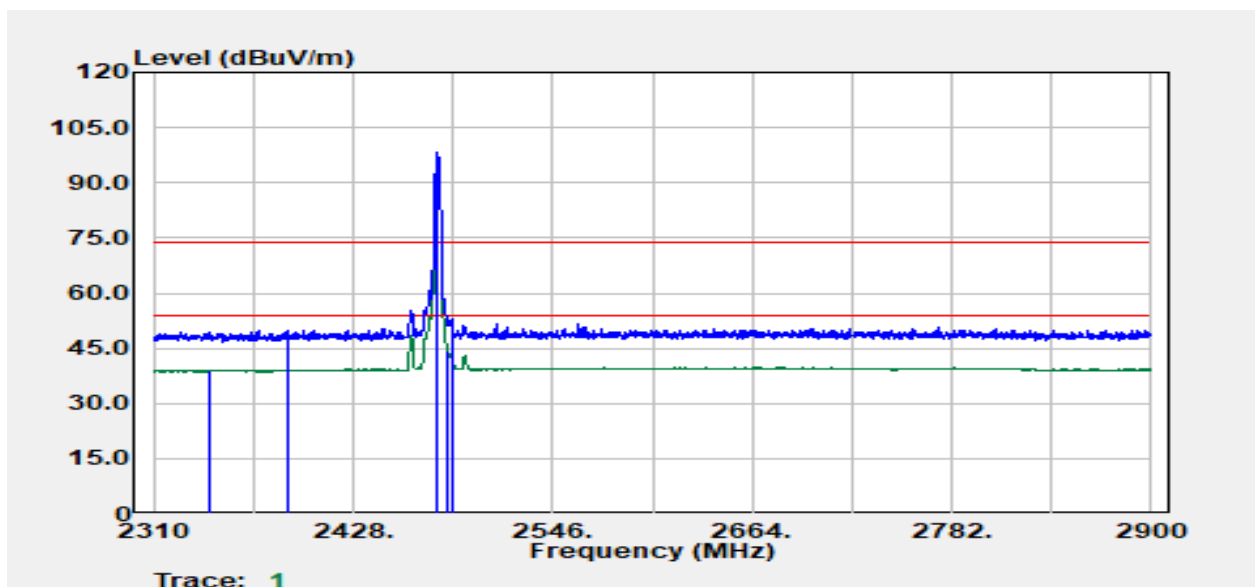
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2372.92	Peak	43.95	6.13	50.08	74.00	-23.92
2388.90	Average	33.52	6.26	39.78	54.00	-14.22
2476.00	Peak	98.85	6.57	105.42	--	--
2476.00	Average	97.51	6.57	104.08	--	--
2484.28	Peak	54.26	6.72	60.99	74.00	-13.01
2484.28	Average	46.72	6.72	53.44	54.00	-0.56

Report No.: TMWK2405001827KR

Page: 78 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :30

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



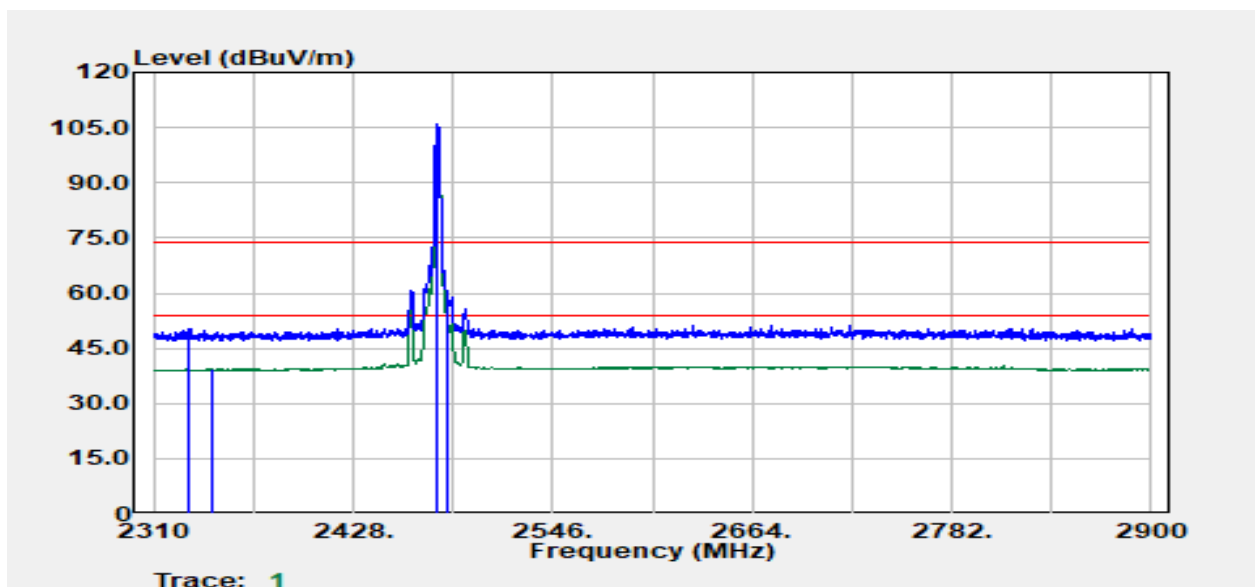
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2343.76	Average	32.97	6.16	39.13	54.00	-14.87
2388.78	Peak	43.67	6.25	49.93	74.00	-24.07
2478.00	Peak	91.45	6.62	98.07	--	--
2478.00	Average	89.75	6.62	96.37	--	--
2483.57	Average	37.66	6.72	44.38	54.00	-9.62
2486.33	Peak	46.24	6.75	52.99	74.00	-21.01

Report No.: TMWK2405001827KR

Page: 79 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2478 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :30

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



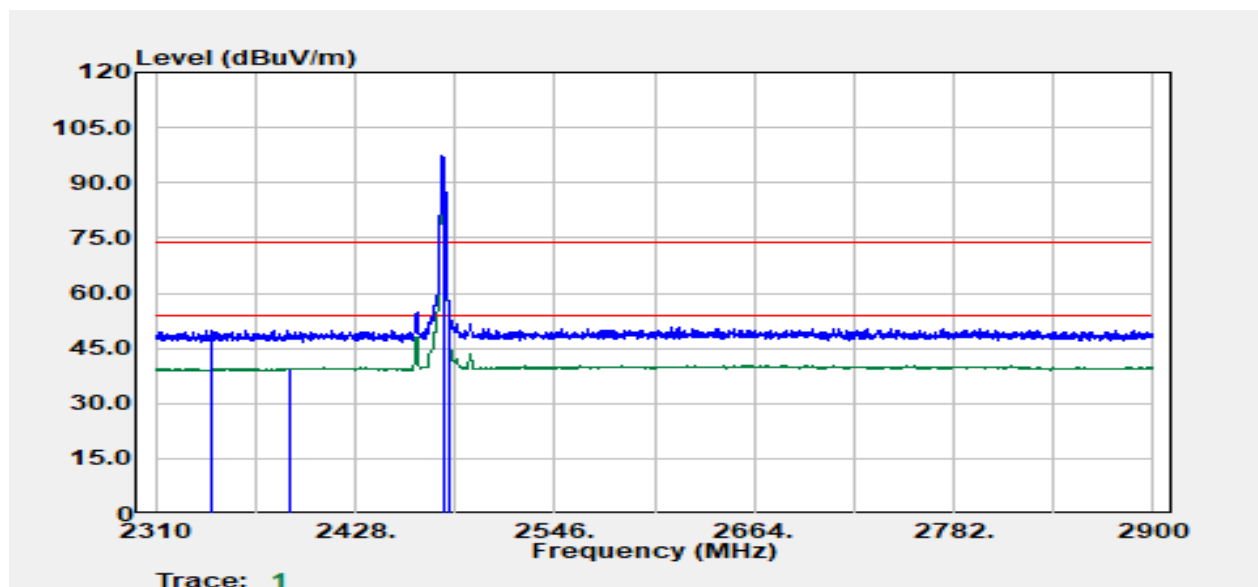
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2330.22	Peak	44.05	6.18	50.24	74.00	-23.76
2344.21	Average	33.21	6.17	39.38	54.00	-14.62
2478.00	Peak	99.29	6.62	105.91	--	--
2478.00	Average	97.69	6.62	104.31	--	--
2483.53	Peak	52.17	6.71	58.89	74.00	-15.11
2483.53	Average	45.66	6.71	52.38	54.00	-1.62

Report No.: TMWK2405001827KR

Page: 80 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



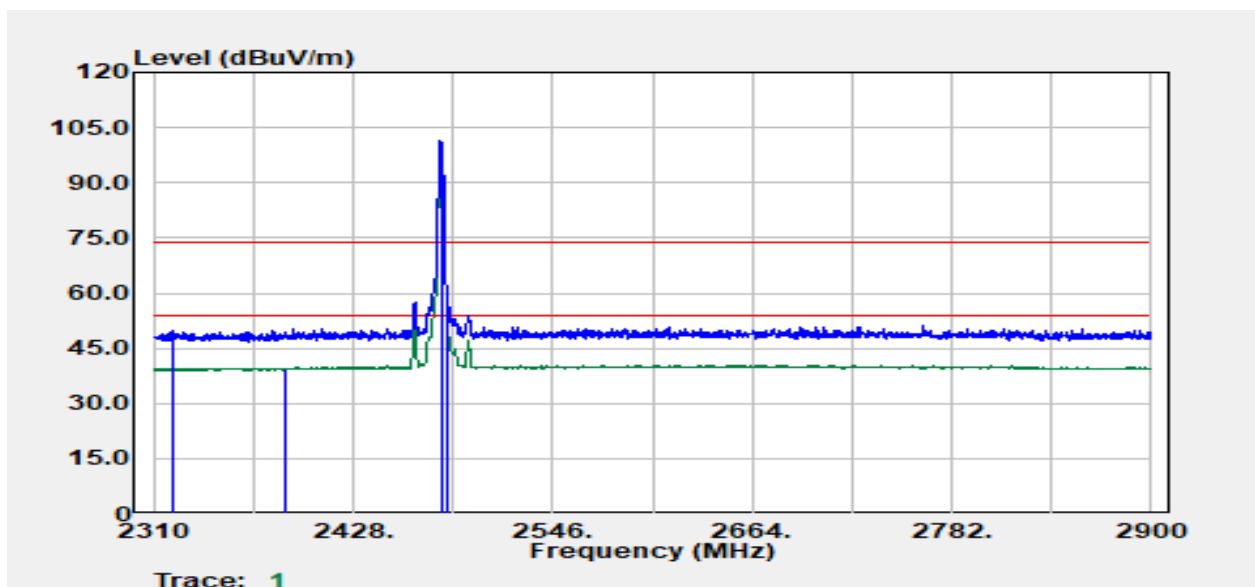
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2342.46	Peak	43.67	6.14	49.81	74.00	-24.19
2389.90	Average	33.30	6.28	39.58	54.00	-14.42
2480.00	Peak	90.51	6.67	97.17	--	--
2480.00	Average	88.70	6.67	95.37	--	--
2483.53	Peak	48.40	6.71	55.12	74.00	-18.88
2483.53	Average	42.29	6.71	49.01	54.00	-4.99

Report No.: TMWK2405001827KR

Page: 81 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :24

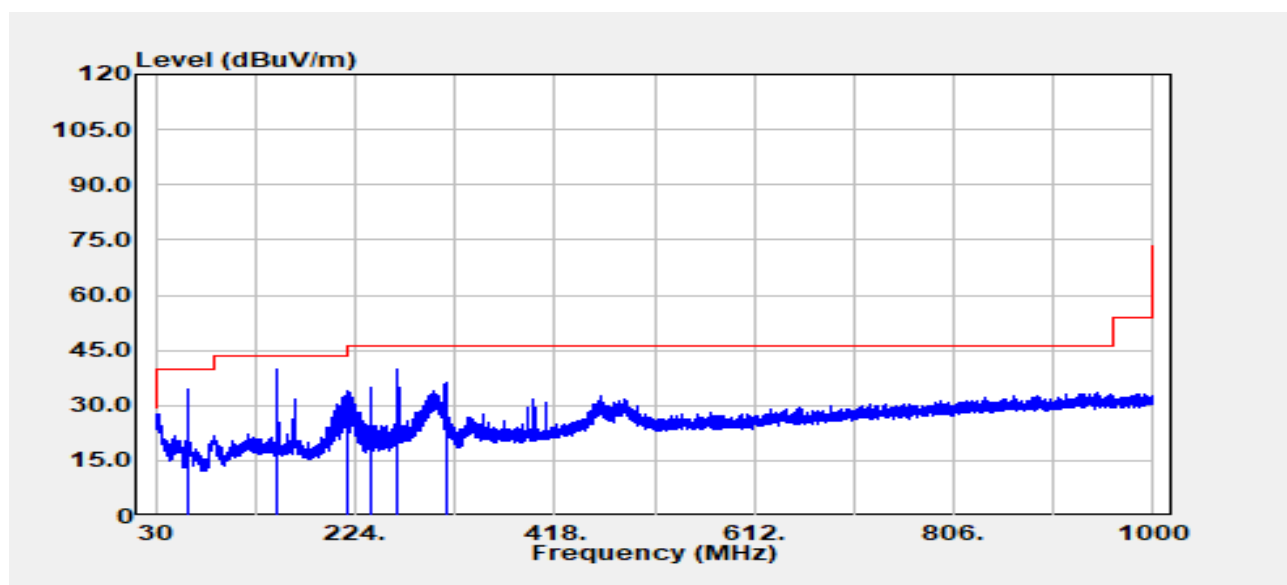
Test Date :2024-04-25
Temp./Humi. :24.4/60
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2321.74	Peak	43.72	6.16	49.88	74.00	-24.12
2387.15	Average	33.35	6.22	39.57	54.00	-14.43
2480.00	Peak	94.80	6.67	101.47	--	--
2480.00	Average	93.08	6.67	99.75	--	--
2483.53	Peak	52.46	6.71	59.17	74.00	-14.83
2483.53	Average	46.43	6.71	53.15	54.00	-0.85

TX Test Data

Project No	:TM-2309000207P	Test Date	:2024-04-27
Operation Band	:BLE_2M	Temp./Humi.	:24.4/60
Frequency	:2480 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:24		



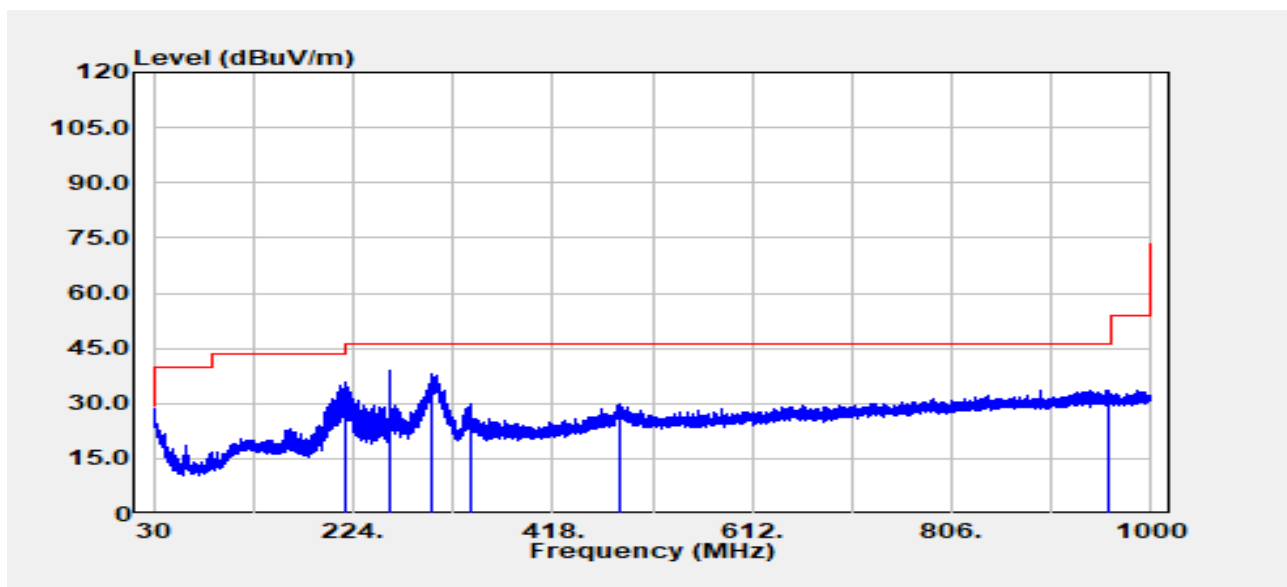
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
61.20	Peak	50.37	-15.76	34.60	40.00	-5.40
148.50	Peak	50.26	-10.33	39.93	43.50	-3.57
216.20	Peak	45.76	-11.78	33.97	46.00	-12.03
239.30	Peak	45.43	-10.64	34.79	46.00	-11.21
265.20	Peak	49.29	-9.40	39.89	46.00	-6.11
311.80	Peak	44.34	-8.26	36.08	46.00	-9.92

Report No.: TMWK2405001827KR

Page: 83 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-27
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



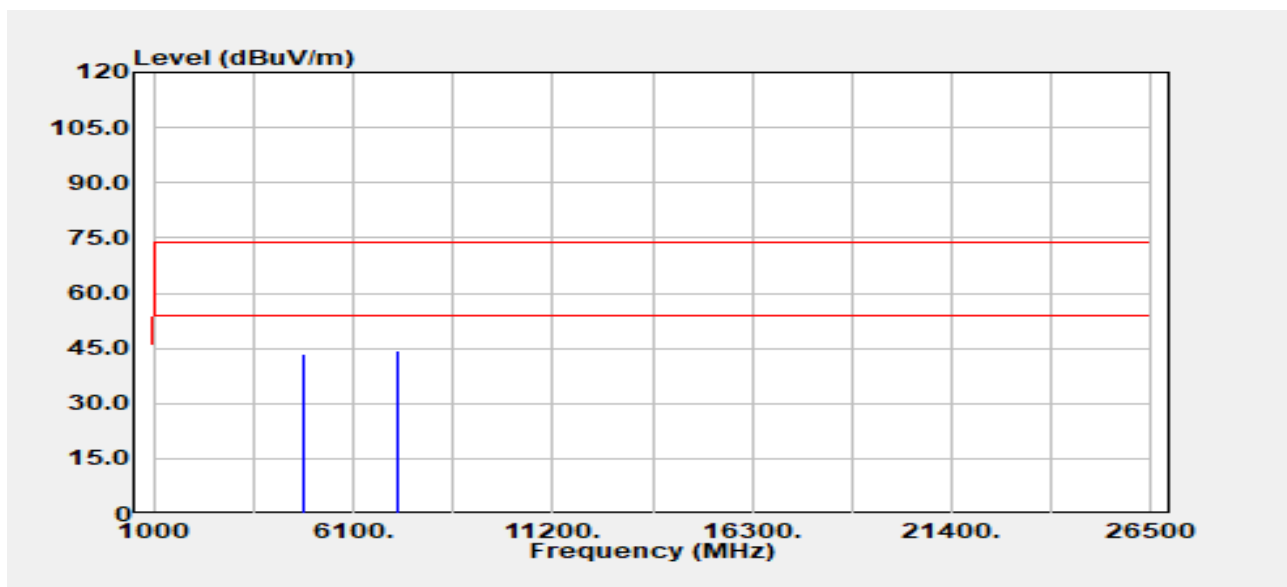
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
216.20	Peak	47.64	-11.78	35.86	46.00	-10.14
260.00	Peak	49.11	-10.14	38.97	46.00	-7.03
300.00	Peak	46.50	-8.55	37.95	46.00	-8.05
339.30	Peak	37.56	-7.73	29.83	46.00	-16.17
484.50	Peak	33.14	-3.43	29.71	46.00	-16.29
959.50	Peak	30.03	3.66	33.69	46.00	-12.31

Report No.: TMWK2405001827KR

Page: 84 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



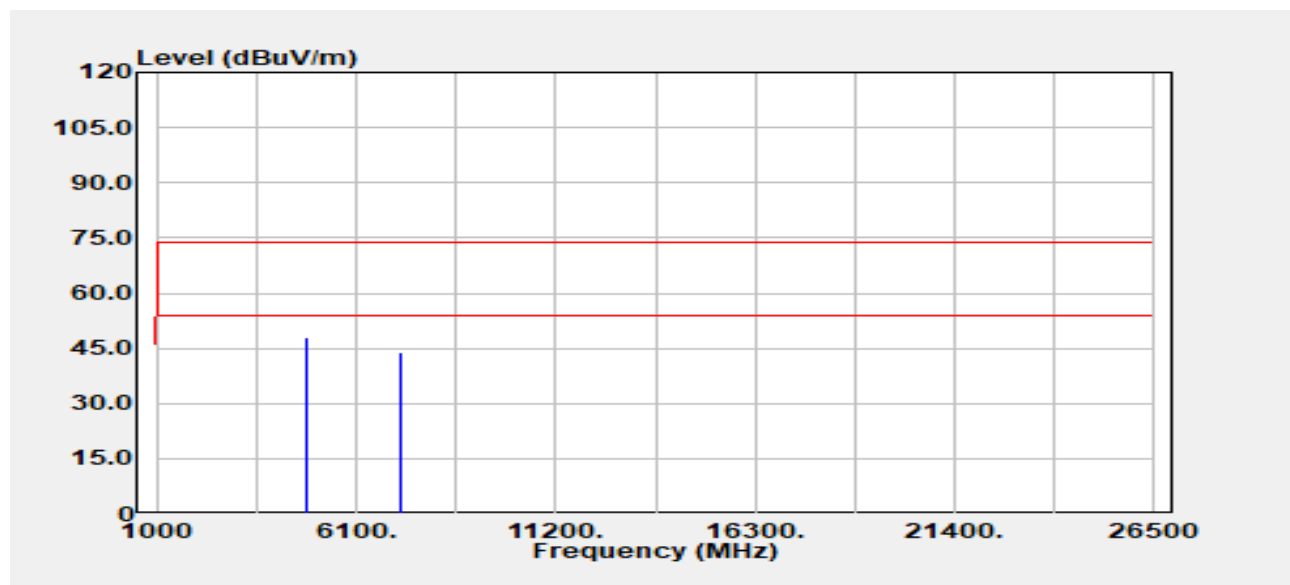
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	41.27	2.23	43.50	74.00	-30.50
4804.00	Average	39.81	2.23	42.04	54.00	-11.96
7206.00	Peak	35.26	9.01	44.28	74.00	-29.72
7206.00	Average	28.48	9.01	37.49	54.00	-16.51

Report No.: TMWK2405001827KR

Page: 85 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



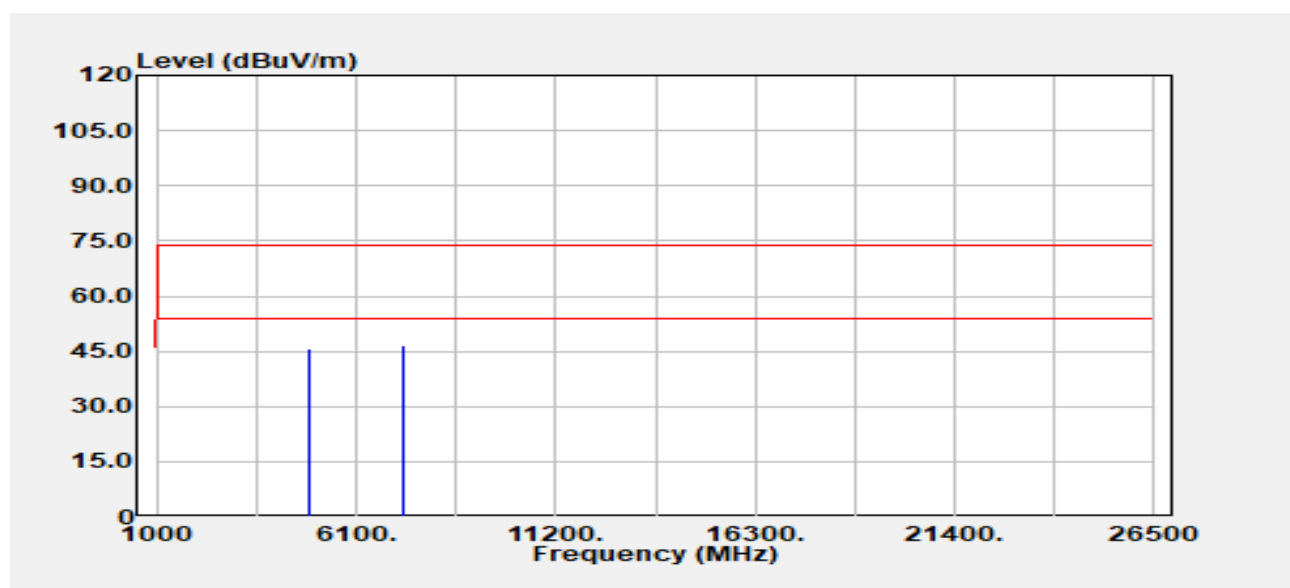
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	45.92	2.23	48.15	74.00	-25.85
4804.00	Average	44.38	2.23	46.60	54.00	-7.40
7206.00	Peak	35.06	9.01	44.08	74.00	-29.92
7206.00	Average	28.22	9.01	37.23	54.00	-16.77

Report No.: TMWK2405001827KR

Page: 86 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



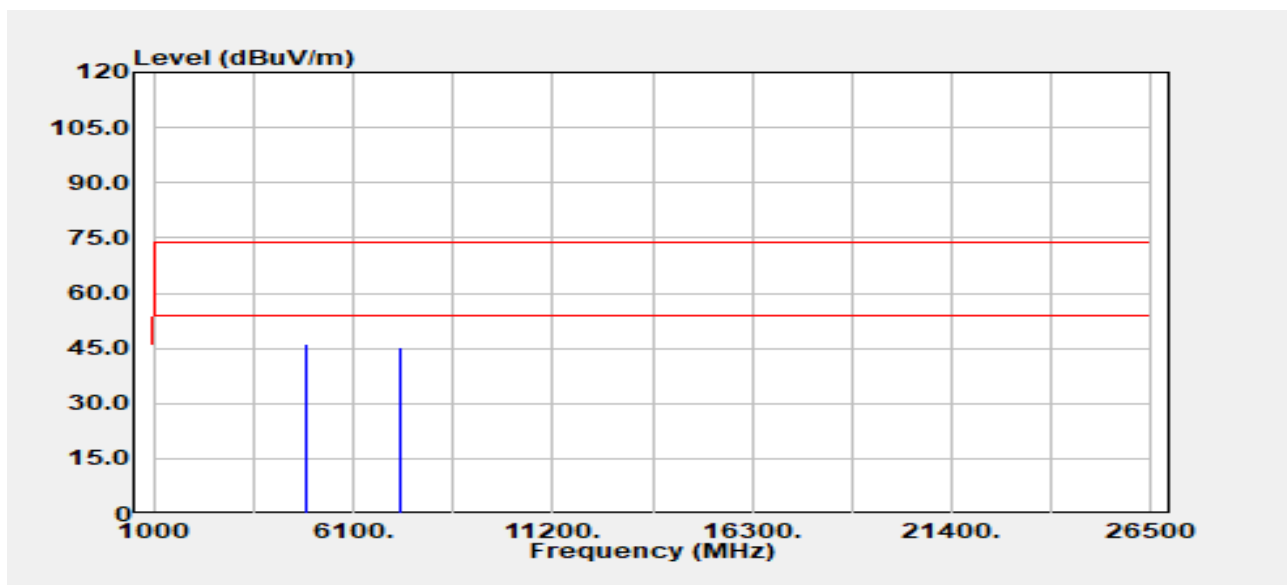
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	43.11	2.58	45.69	74.00	-28.31
4884.00	Average	39.67	2.58	42.26	54.00	-11.74
7326.00	Peak	37.55	8.95	46.50	74.00	-27.50
7326.00	Average	28.78	8.95	37.73	54.00	-16.27

Report No.: TMWK2405001827KR

Page: 87 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



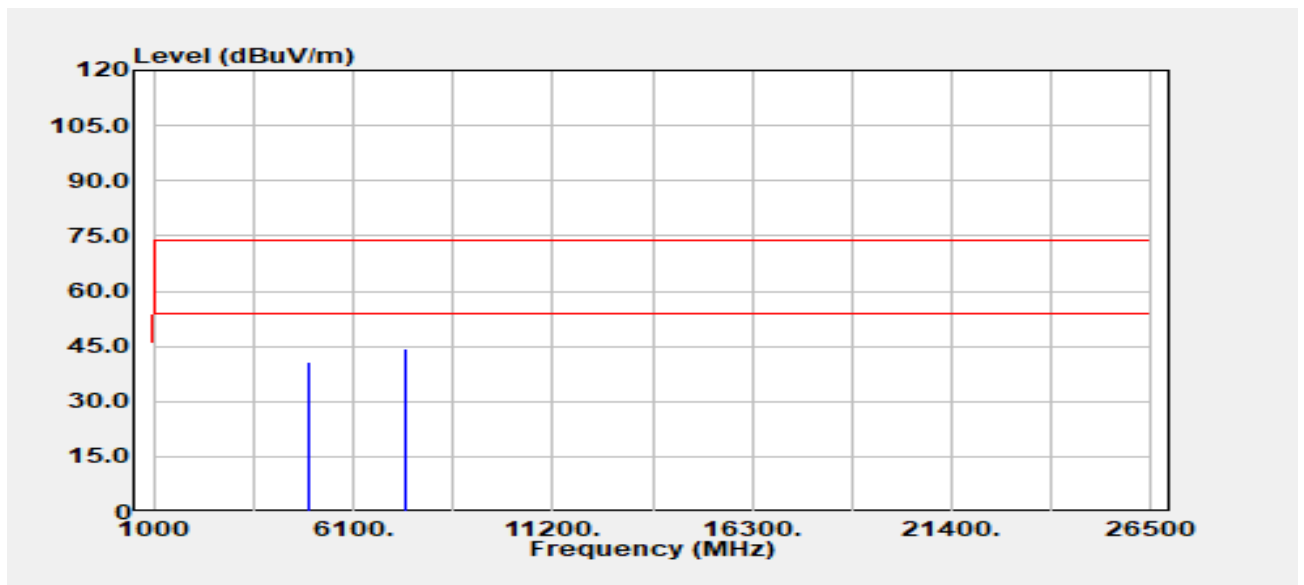
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	43.67	2.58	46.25	74.00	-27.75
4884.00	Average	39.49	2.58	42.07	54.00	-11.93
7326.00	Peak	36.29	8.95	45.24	74.00	-28.76
7326.00	Average	28.32	8.95	37.28	54.00	-16.72

Report No.: TMWK2405001827KR

Page: 88 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



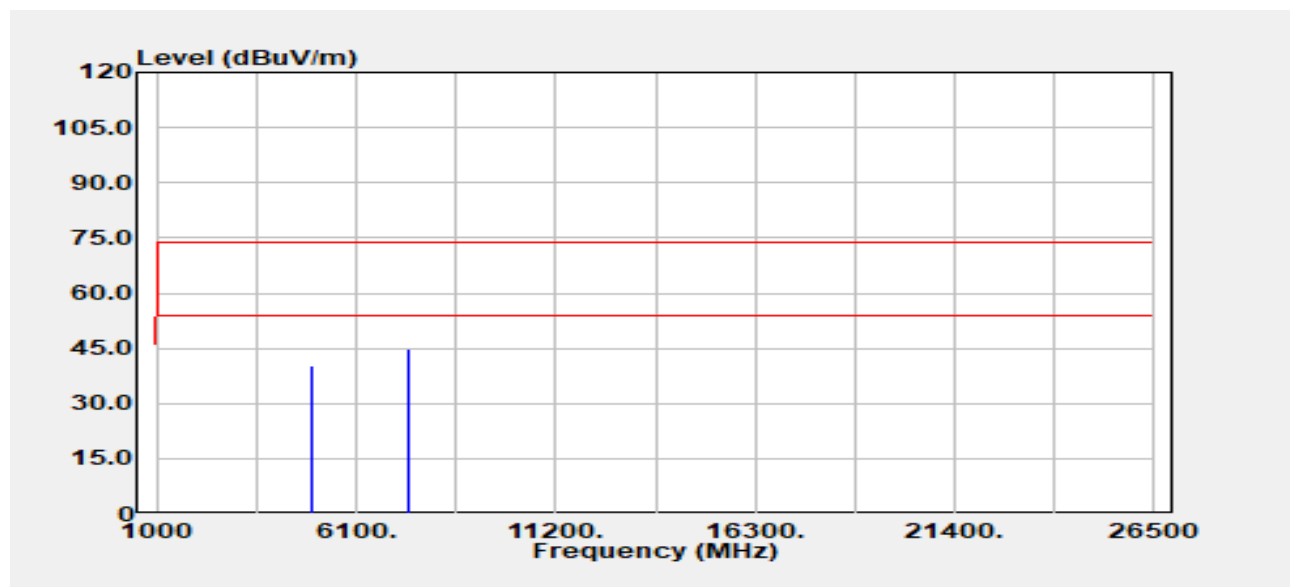
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	37.45	3.21	40.67	74.00	-33.33
4960.00	Average	29.41	3.21	32.62	54.00	-21.38
7440.00	Peak	35.36	8.92	44.28	74.00	-29.72
7440.00	Average	27.39	8.92	36.31	54.00	-17.69

Report No.: TMWK2405001827KR

Page: 89 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_125k
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



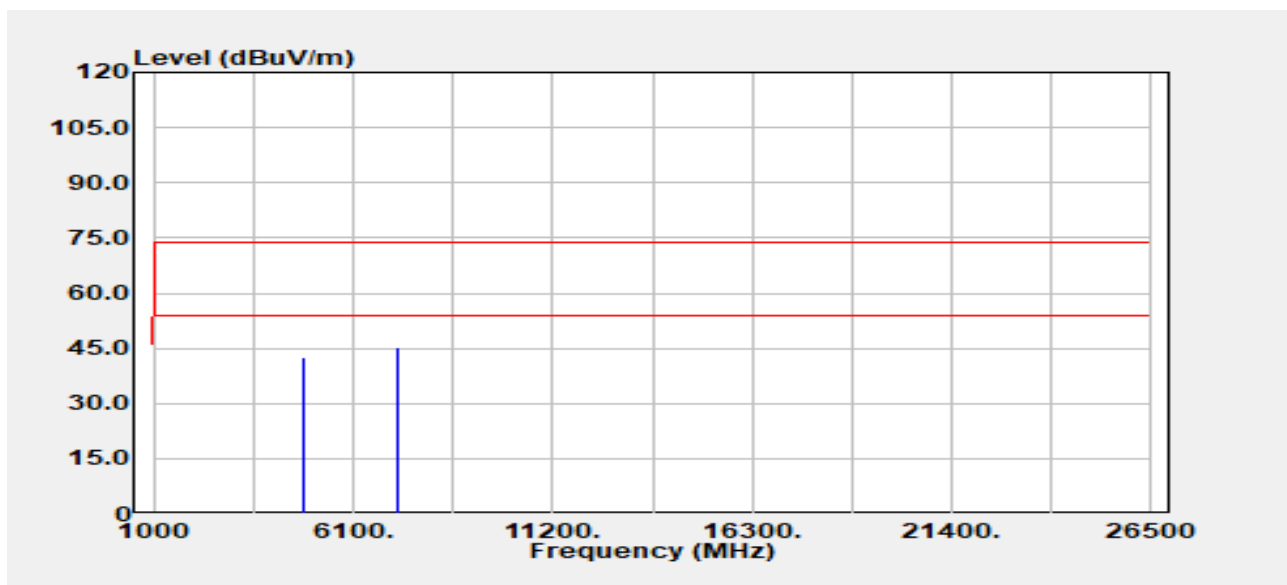
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	37.10	3.21	40.31	74.00	-33.69
4960.00	Average	30.57	3.21	33.79	54.00	-20.21
7440.00	Peak	35.79	8.92	44.71	74.00	-29.29
7440.00	Average	26.38	8.92	35.30	54.00	-18.70

Report No.: TMWK2405001827KR

Page: 90 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



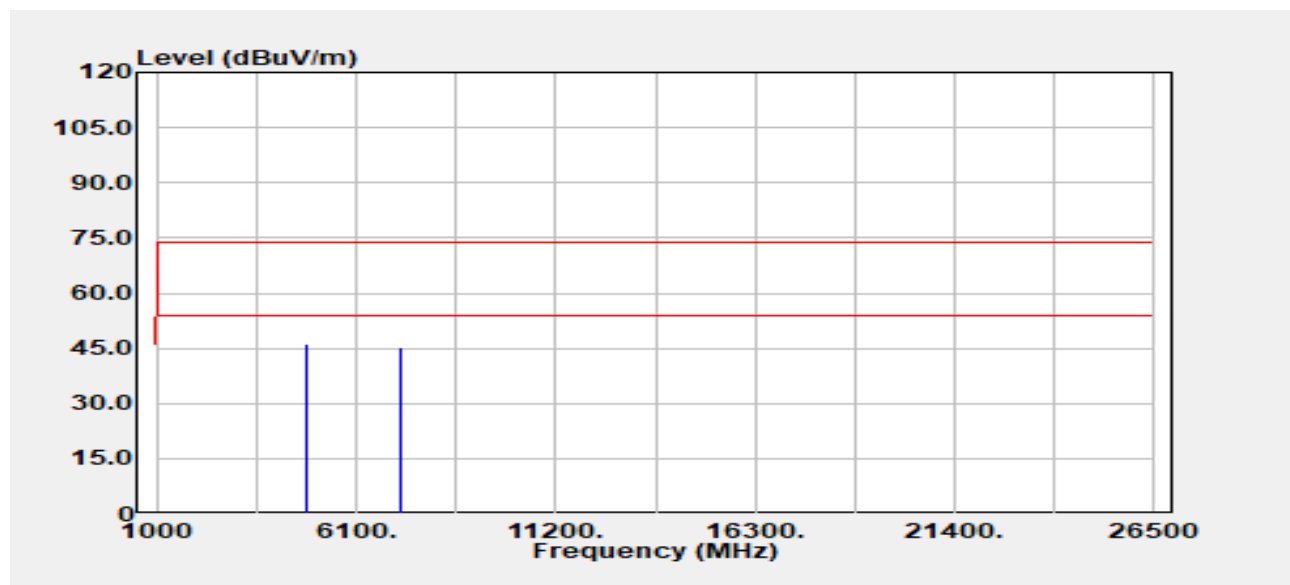
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	40.15	2.23	42.37	74.00	-31.63
4804.00	Average	35.17	2.23	37.39	54.00	-16.61
7206.00	Peak	36.22	9.01	45.23	74.00	-28.77
7206.00	Average	26.60	9.01	35.61	54.00	-18.39

Report No.: TMWK2405001827KR

Page: 91 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



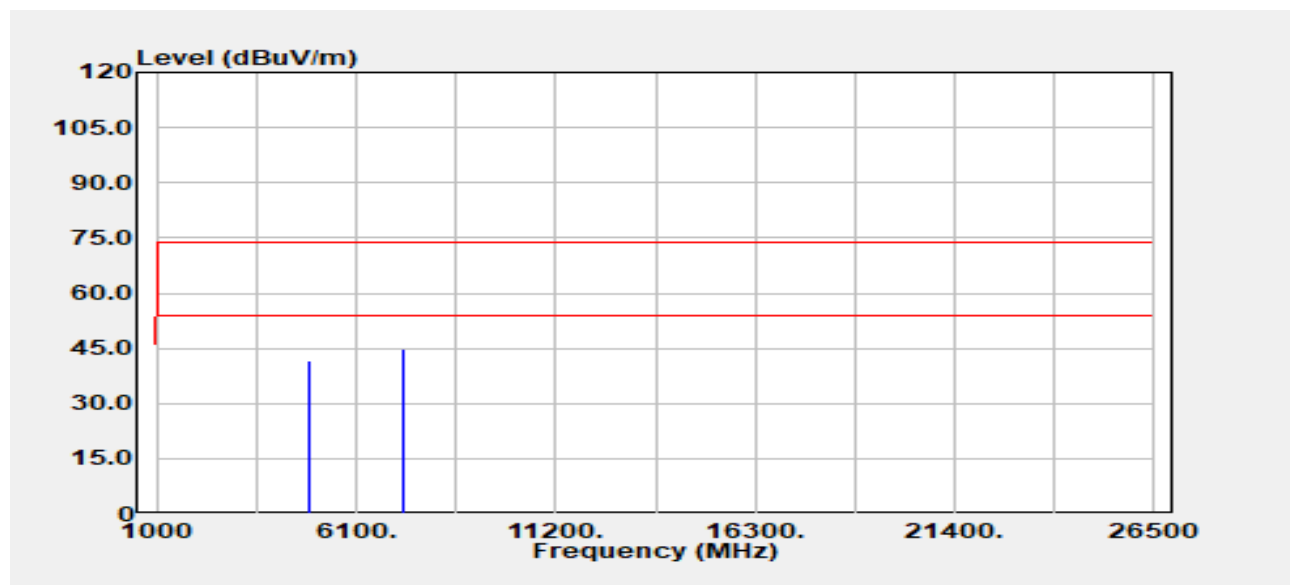
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	43.97	2.23	46.20	74.00	-27.80
4804.00	Average	40.69	2.23	42.92	54.00	-11.08
7206.00	Peak	36.22	9.01	45.23	74.00	-28.77
7206.00	Average	26.65	9.01	35.67	54.00	-18.33

Report No.: TMWK2405001827KR

Page: 92 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



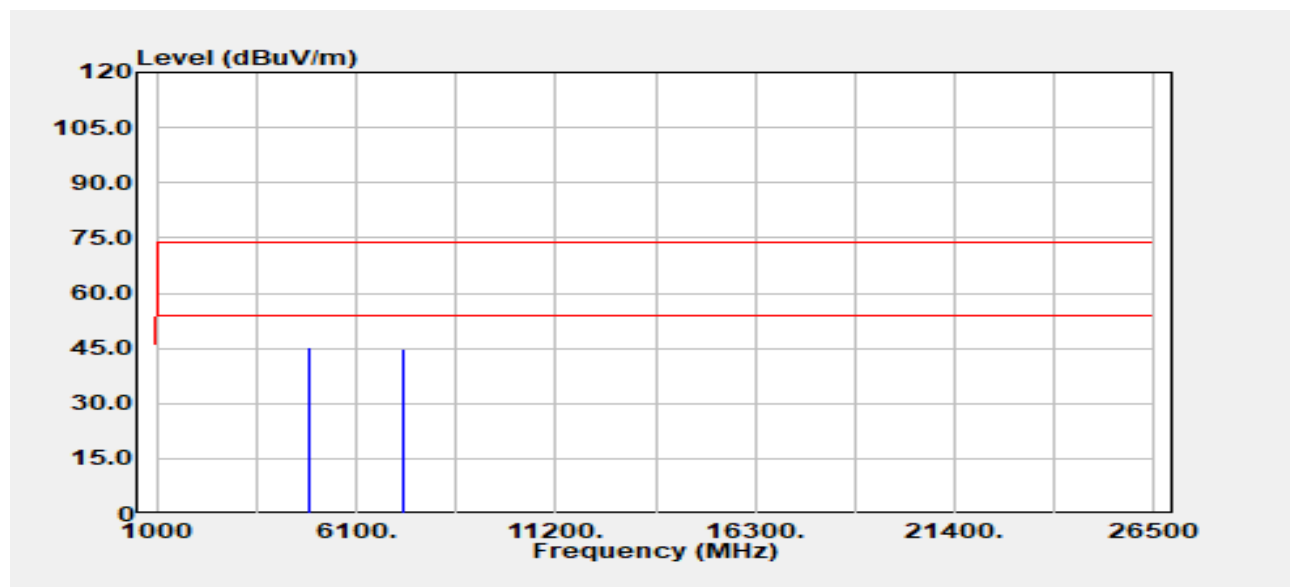
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	39.20	2.58	41.78	74.00	-32.22
4884.00	Average	34.09	2.58	36.67	54.00	-17.33
7326.00	Peak	35.92	8.95	44.88	74.00	-29.12
7326.00	Average	28.54	8.95	37.49	54.00	-16.51

Report No.: TMWK2405001827KR

Page: 93 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



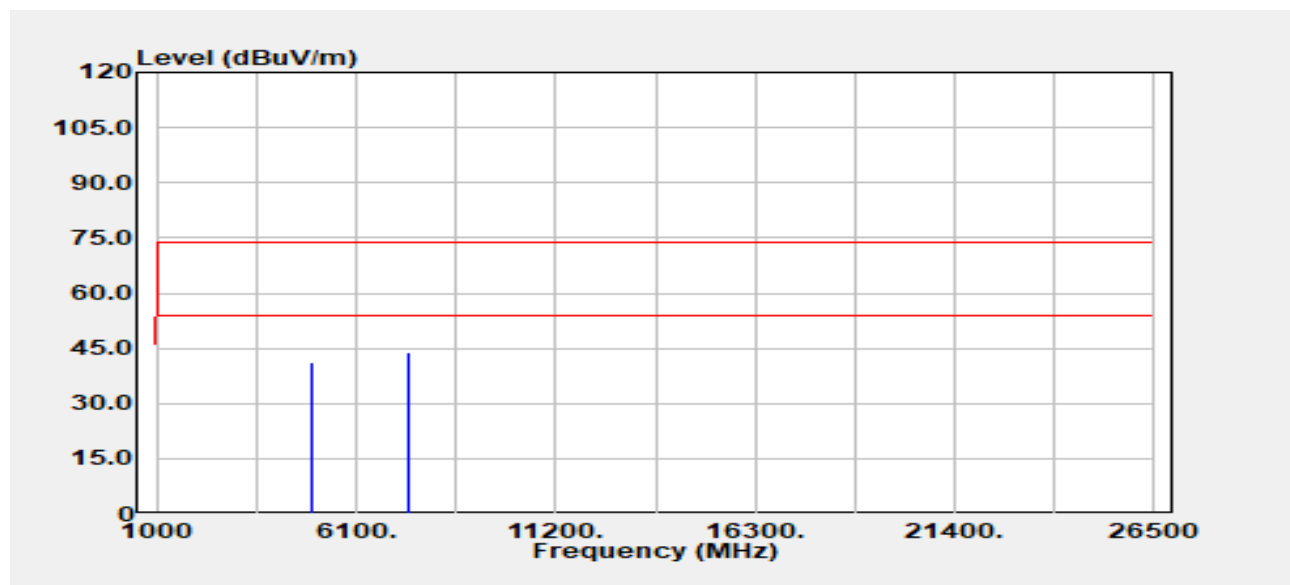
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	42.89	2.58	45.47	74.00	-28.53
4884.00	Average	38.72	2.58	41.30	54.00	-12.70
7326.00	Peak	35.91	8.95	44.86	74.00	-29.14
7326.00	Average	28.28	8.95	37.24	54.00	-16.76

Report No.: TMWK2405001827KR

Page: 94 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



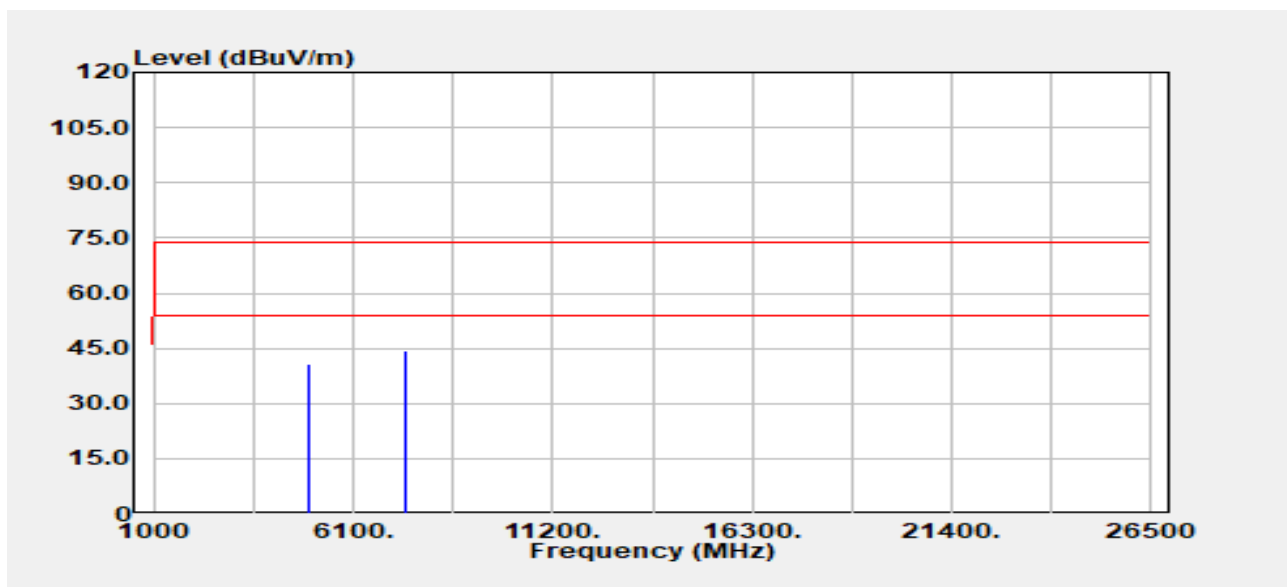
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	37.77	3.21	40.99	74.00	-33.01
4960.00	Average	29.13	3.21	32.34	54.00	-21.66
7440.00	Peak	35.19	8.92	44.11	74.00	-29.89
7440.00	Average	27.23	8.92	36.15	54.00	-17.85

Report No.: TMWK2405001827KR

Page: 95 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_500k
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.5/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



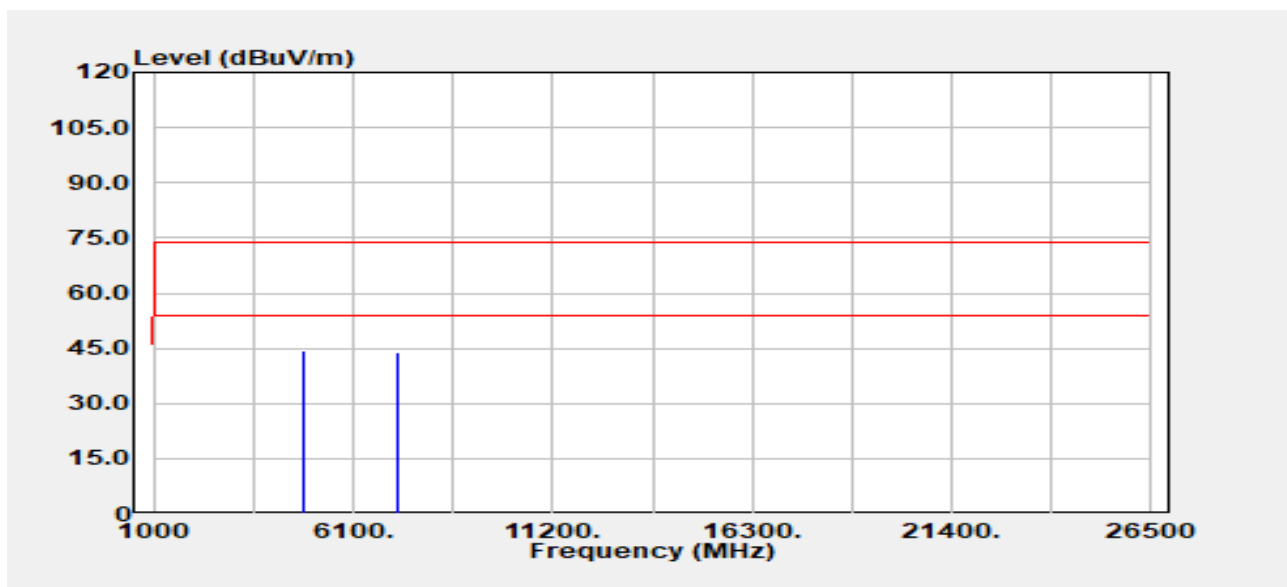
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	37.74	3.21	40.95	74.00	-33.05
4960.00	Average	30.42	3.21	33.63	54.00	-20.37
7440.00	Peak	35.59	8.92	44.51	74.00	-29.49
7440.00	Average	26.41	8.92	35.33	54.00	-18.67

Report No.: TMWK2405001827KR

Page: 96 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



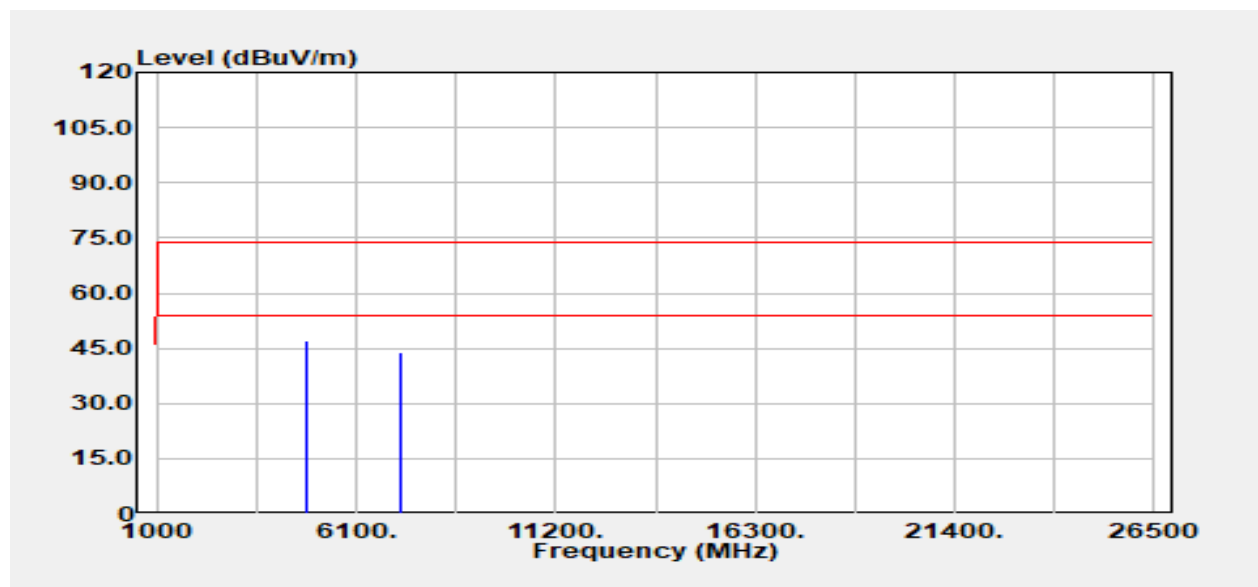
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	42.02	2.23	44.25	74.00	-29.75
4804.00	Average	39.41	2.23	41.64	54.00	-12.36
7206.00	Peak	35.09	9.01	44.10	74.00	-29.90
7206.00	Average	28.09	9.01	37.10	54.00	-16.90

Report No.: TMWK2405001827KR

Page: 97 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



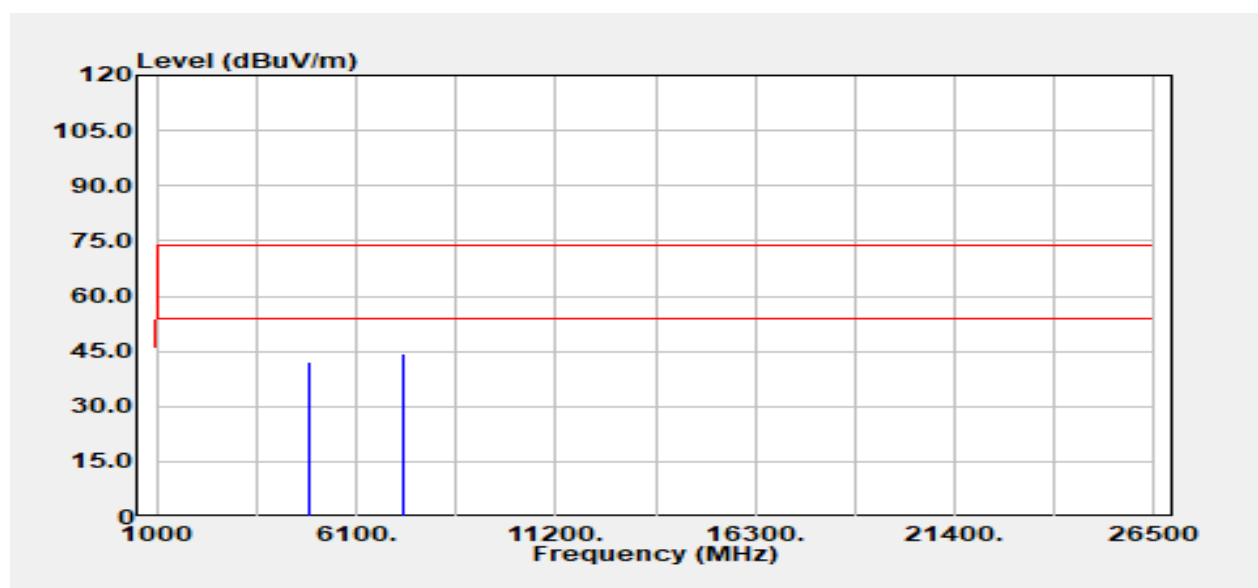
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	44.92	2.23	47.15	74.00	-26.85
4804.00	Average	44.33	2.23	46.55	54.00	-7.45
7206.00	Peak	35.09	9.01	44.10	74.00	-29.90
7206.00	Average	28.11	9.01	37.12	54.00	-16.88

Report No.: TMWK2405001827KR

Page: 98 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



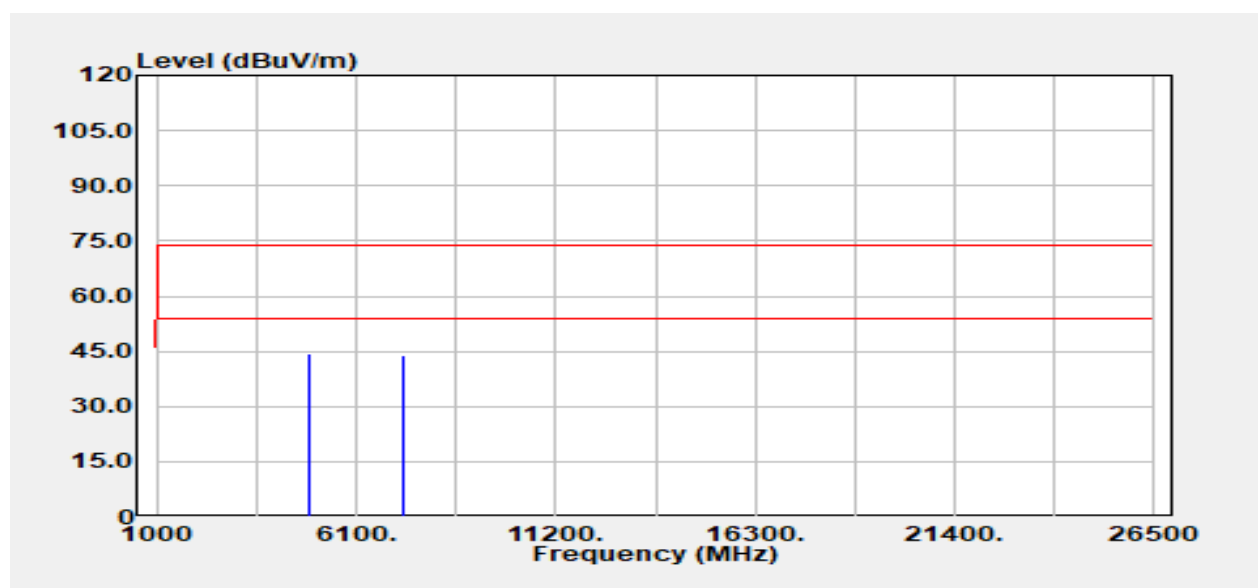
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
4884.00	Peak	39.48	2.58	42.06	74.00	-31.94
4884.00	Average	36.25	2.58	38.83	54.00	-15.17
7326.00	Peak	35.48	8.95	44.43	74.00	-29.57
7326.00	Average	28.89	8.95	37.85	54.00	-16.15

Report No.: TMWK2405001827KR

Page: 99 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



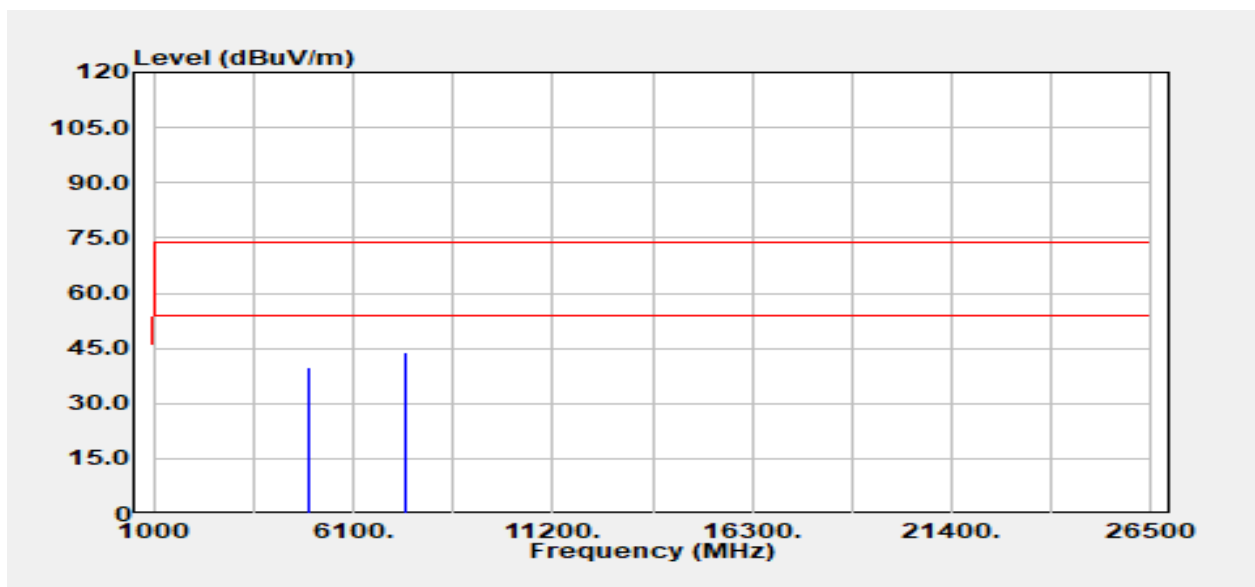
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	41.85	2.58	44.43	74.00	-29.57
4884.00	Average	39.97	2.58	42.56	54.00	-11.44
7326.00	Peak	35.11	8.95	44.06	74.00	-29.94
7326.00	Average	28.76	8.95	37.72	54.00	-16.28

Report No.: TMWK2405001827KR

Page: 100 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



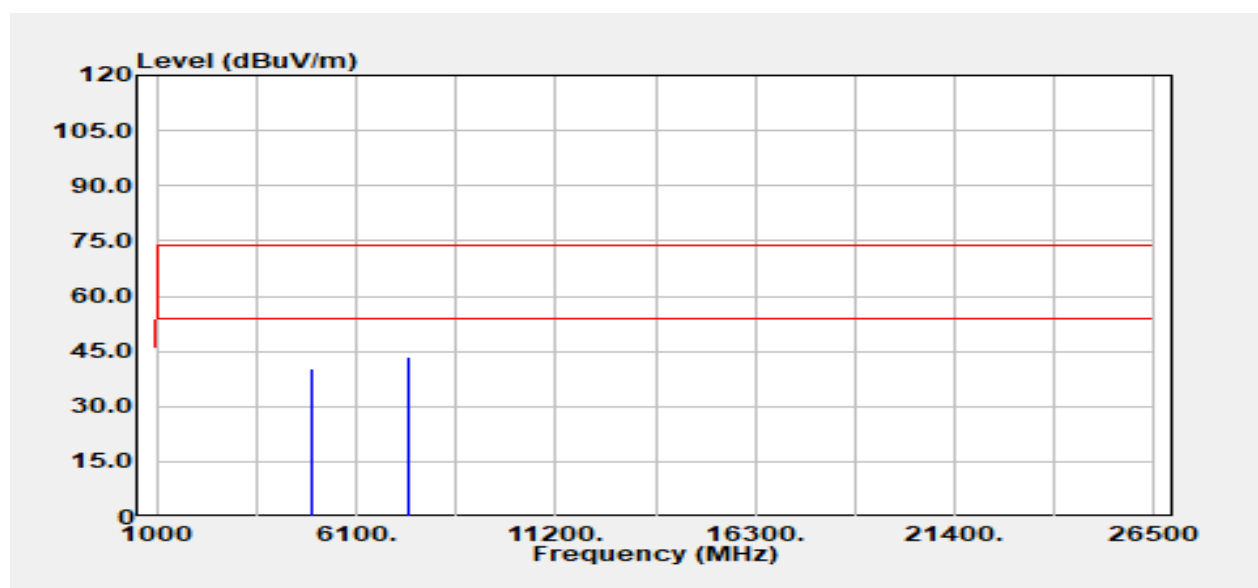
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	36.81	3.21	40.03	74.00	-33.97
4960.00	Average	31.17	3.21	34.38	54.00	-19.62
7440.00	Peak	34.92	8.92	43.84	74.00	-30.16
7440.00	Average	27.73	8.92	36.65	54.00	-17.35

Report No.: TMWK2405001827KR

Page: 101 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_1M
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



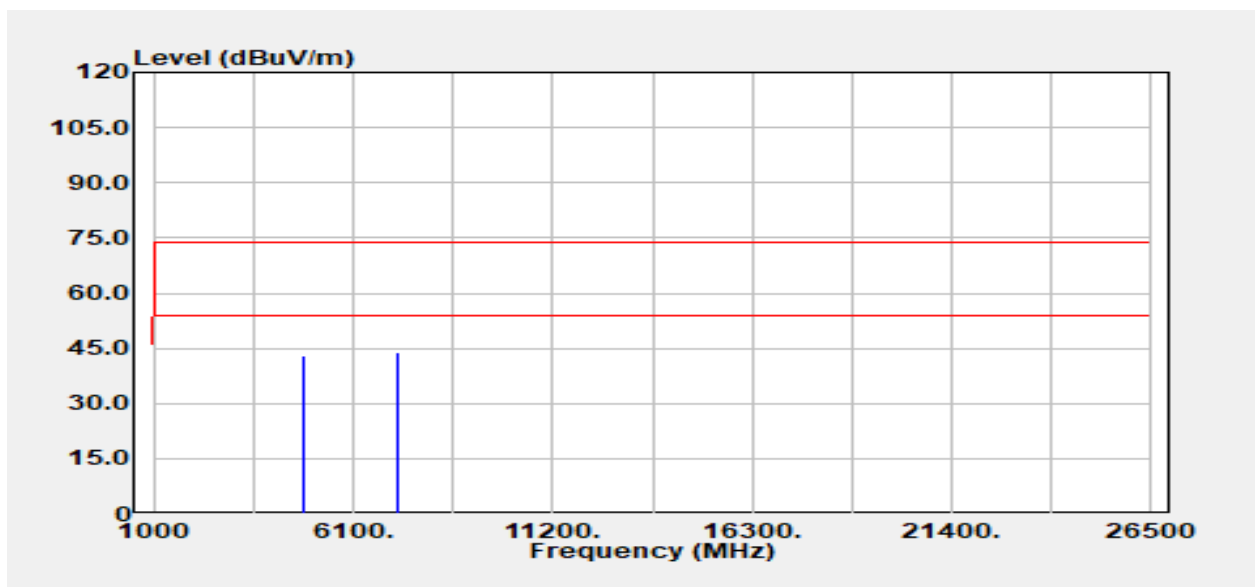
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	37.00	3.21	40.22	74.00	-33.78
4960.00	Average	32.17	3.21	35.38	54.00	-18.62
7440.00	Peak	34.58	8.92	43.50	74.00	-30.50
7440.00	Average	27.75	8.92	36.67	54.00	-17.33

Report No.: TMWK2405001827KR

Page: 102 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :30

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



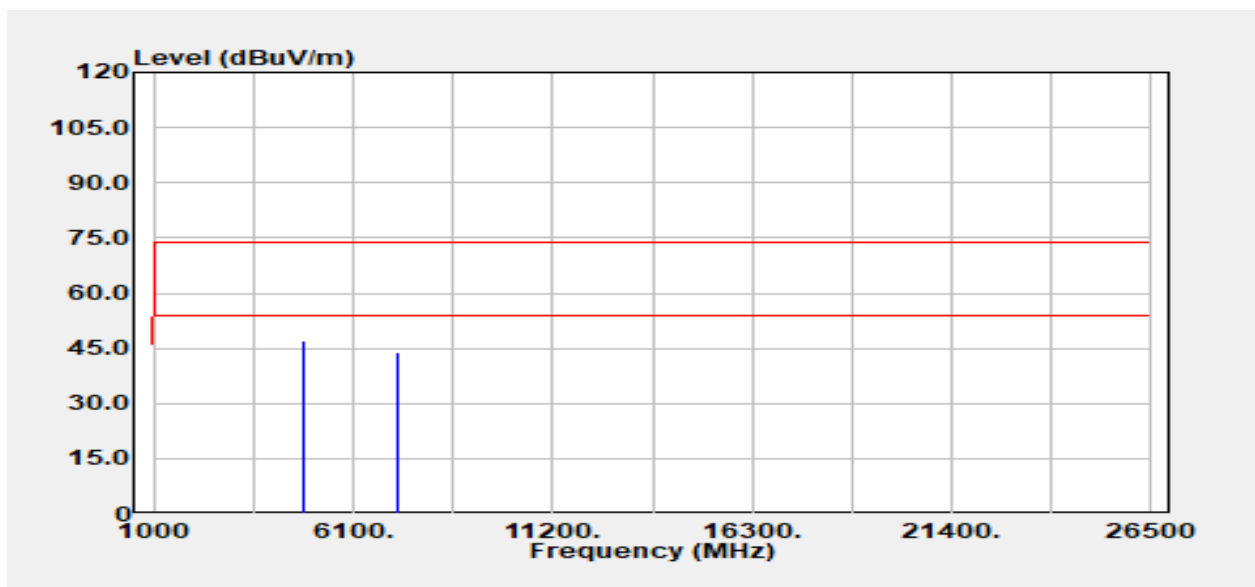
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	40.82	2.23	43.05	74.00	-30.95
4804.00	Average	37.26	2.23	39.49	54.00	-14.51
7206.00	Peak	34.80	9.01	43.81	74.00	-30.19
7206.00	Average	27.79	9.01	36.80	54.00	-17.20

Report No.: TMWK2405001827KR

Page: 103 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :30

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



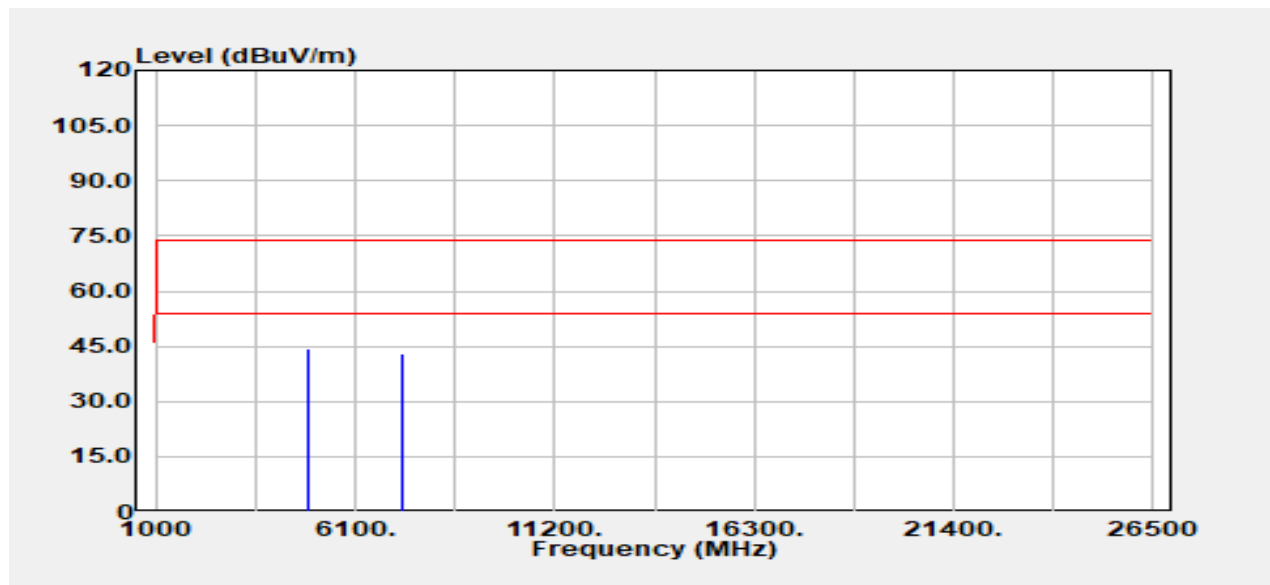
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	44.88	2.23	47.10	74.00	-26.90
4804.00	Average	41.87	2.23	44.09	54.00	-9.91
7206.00	Peak	35.09	9.01	44.10	74.00	-29.90
7206.00	Average	27.84	9.01	36.85	54.00	-17.15

Report No.: TMWK2405001827KR

Page: 104 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



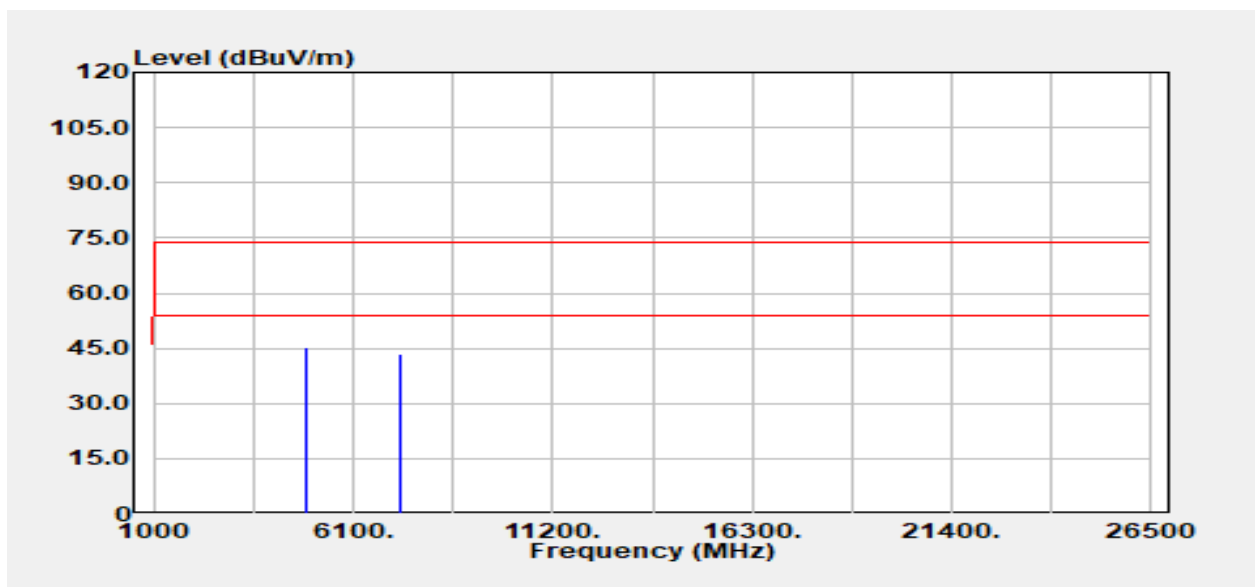
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	41.61	2.58	44.19	74.00	-29.81
4884.00	Average	36.27	2.58	38.86	54.00	-15.14
7326.00	Peak	34.12	8.95	43.07	74.00	-30.93
7326.00	Average	27.94	8.95	36.89	54.00	-17.11

Report No.: TMWK2405001827KR

Page: 105 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2442 MHz
Operation Mode :TX
EUT Pol :E2
Setting :31

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



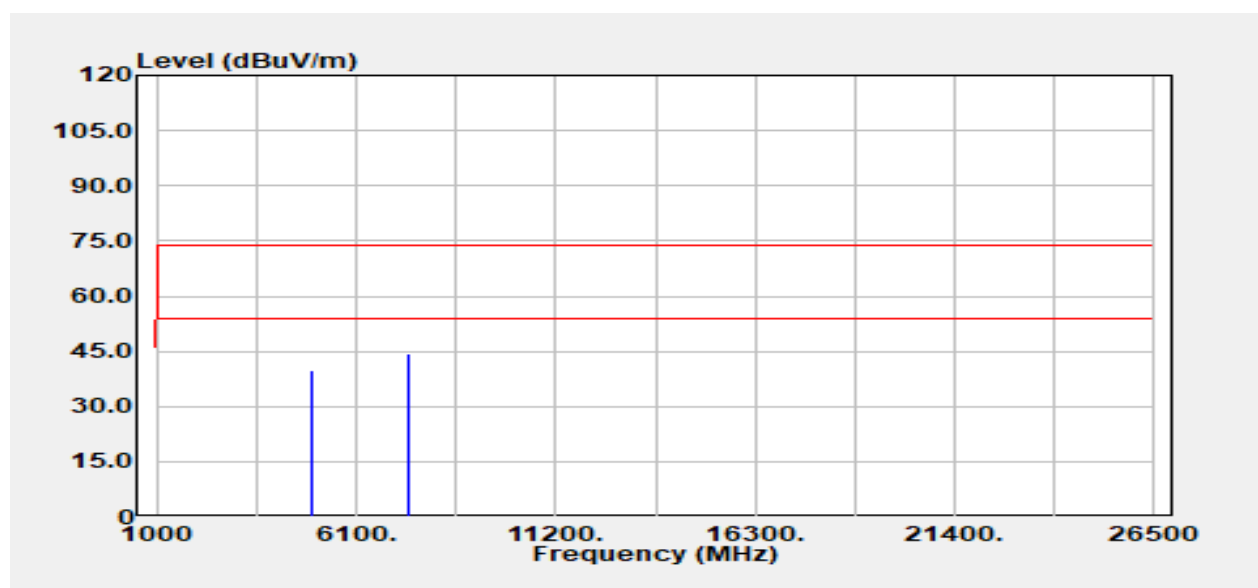
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4884.00	Peak	42.71	2.58	45.29	74.00	-28.71
4884.00	Average	37.46	2.58	40.04	54.00	-13.96
7326.00	Peak	34.68	8.95	43.63	74.00	-30.37
7326.00	Average	28.49	8.95	37.45	54.00	-16.55

Report No.: TMWK2405001827KR

Page: 106 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



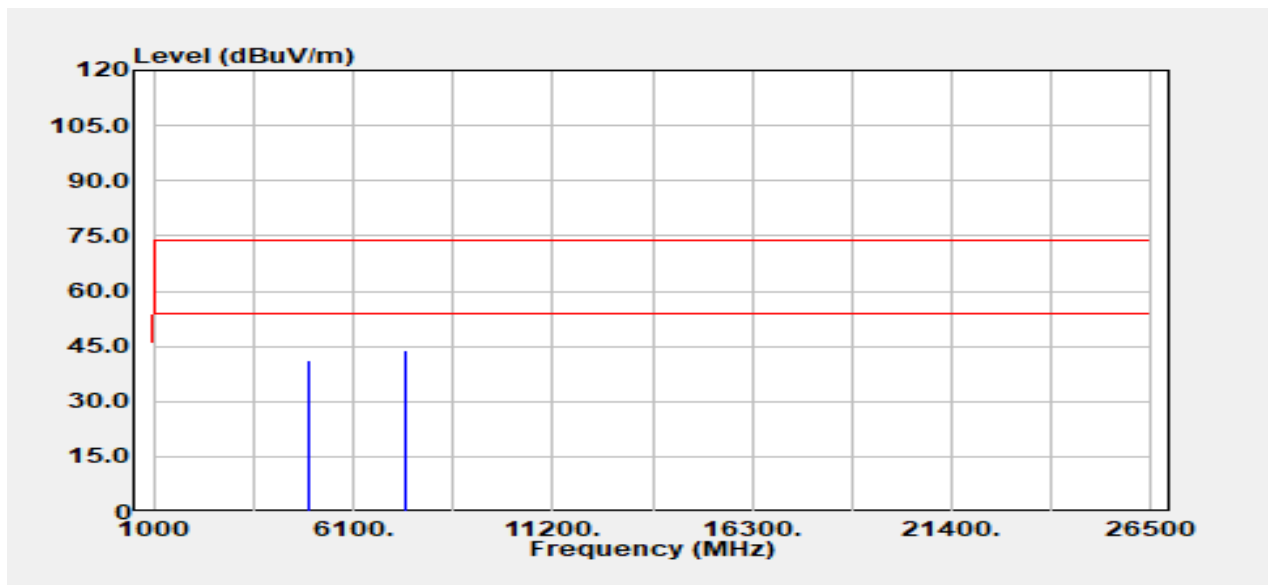
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	36.49	3.21	39.71	74.00	-34.29
4960.00	Average	30.08	3.21	33.29	54.00	-20.71
7440.00	Peak	35.45	8.92	44.37	74.00	-29.63
7440.00	Average	27.79	8.92	36.71	54.00	-17.29

Report No.: TMWK2405001827KR

Page: 107 / 109
Rev.: 00

Project No :TM-2309000207P
Operation Band :BLE_2M
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :24

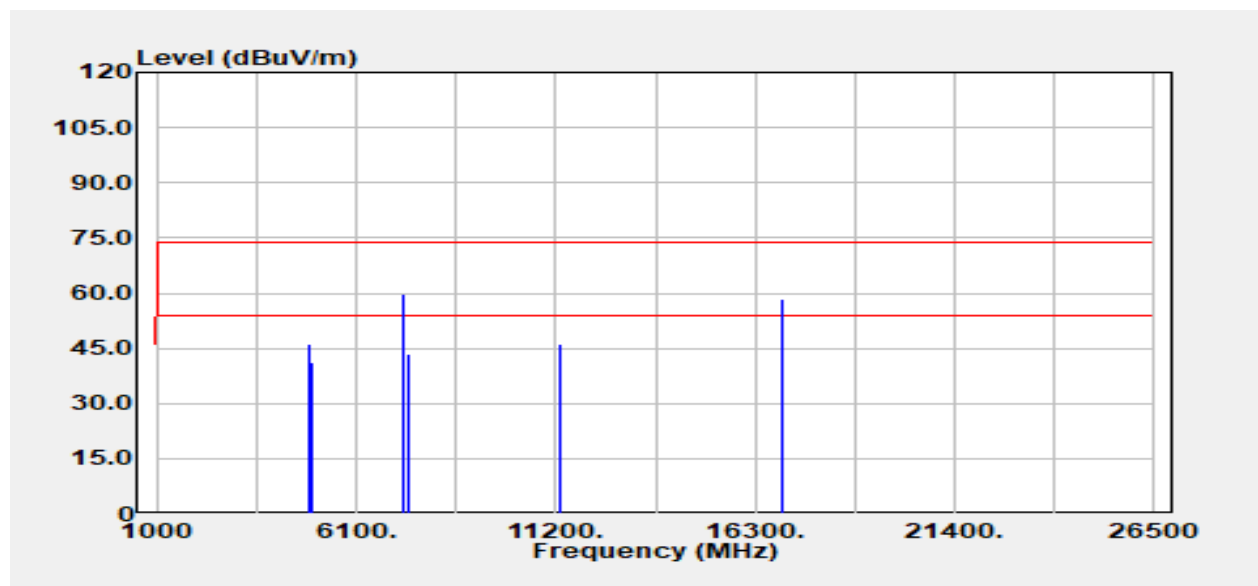
Test Date :2024-04-26
Temp./Humi. :24.4/60
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	38.09	3.21	41.30	74.00	-32.70
4960.00	Average	31.80	3.21	35.01	54.00	-18.99
7440.00	Peak	35.02	8.92	43.94	74.00	-30.06
7440.00	Average	27.77	8.92	36.69	54.00	-17.31

Co-Location

Project No	:TM-2309000207P	Test Date	:2024-06-26
Operation Band	:BLE_802.11g_ax40/Band 3	Temp./Humi.	:24.6/57
Frequency	:2476_2437_5670 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:20_20_31		

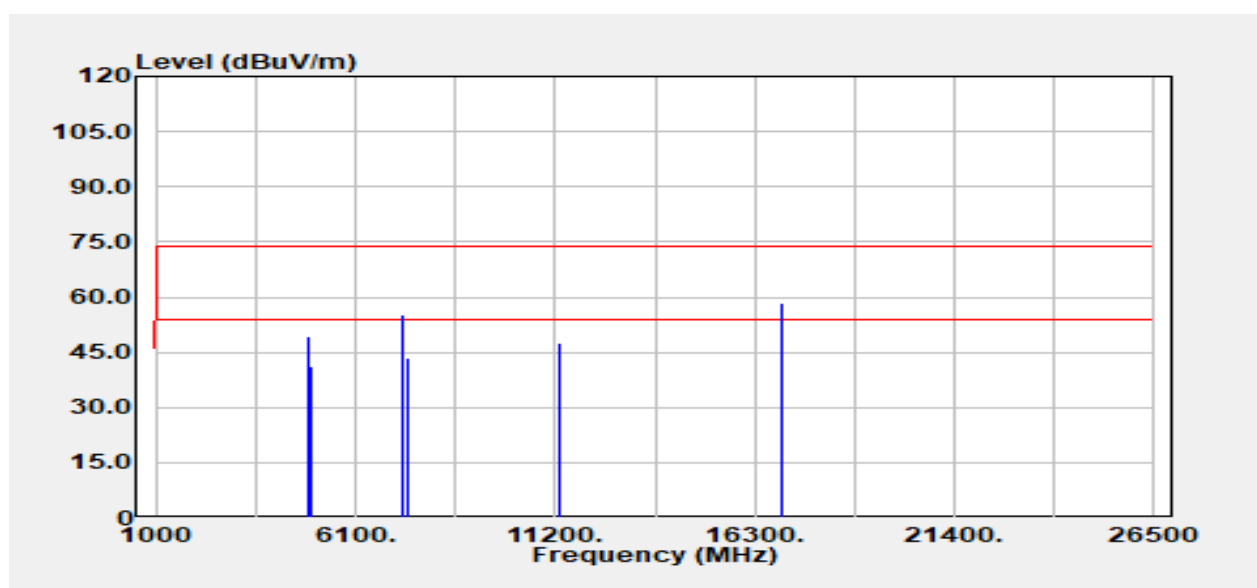


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4874.00	Peak	43.83	2.49	46.32	74.00	-27.68
4874.00	Average	39.42	2.49	41.92	54.00	-12.08
4952.00	Peak	38.06	3.16	41.22	74.00	-32.78
4952.00	Average	33.06	3.16	36.22	54.00	-17.78
7311.00	Peak	50.66	8.96	59.62	74.00	-14.38
7311.00	Average	44.16	8.96	53.12	54.00	-0.88
7428.00	Peak	34.70	8.96	43.65	74.00	-30.35
7428.00	Average	27.01	8.96	35.97	54.00	-18.03
11340.00	Peak	32.49	13.87	46.36	74.00	-27.64
11340.00	Average	26.29	13.87	40.16	54.00	-13.84
17010.00	Peak	31.57	26.82	58.39	74.00	-15.61

Report No.: TMWK2405001827KR

Page: 109 / 109
Rev.: 00

Project No	:TM-2309000207P	Test Date	:2024-06-26
Operation Band	:BLE_802.11g_ax40/Band 3	Temp./Humi.	:24.6/57
Frequency	:2476_2437_5670 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:20_20_31		



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	47.07	2.49	49.56	74.00	-24.44
4874.00	Average	38.18	2.49	40.67	54.00	-13.33
4952.00	Peak	38.10	3.16	41.27	74.00	-32.73
4952.00	Average	32.33	3.16	35.49	54.00	-18.51
7311.00	Peak	46.40	8.96	55.36	74.00	-18.64
7311.00	Average	40.29	8.96	49.25	54.00	-4.75
7428.00	Peak	34.40	8.96	43.35	74.00	-30.65
7428.00	Average	27.05	8.96	36.01	54.00	-17.99
11340.00	Peak	33.67	13.87	47.53	74.00	-26.47
11340.00	Average	25.34	13.87	39.20	54.00	-14.80
17010.00	Peak	31.73	26.82	58.55	74.00	-15.45

- End of Test Report -