

Report No.: TMWK2308002691KR

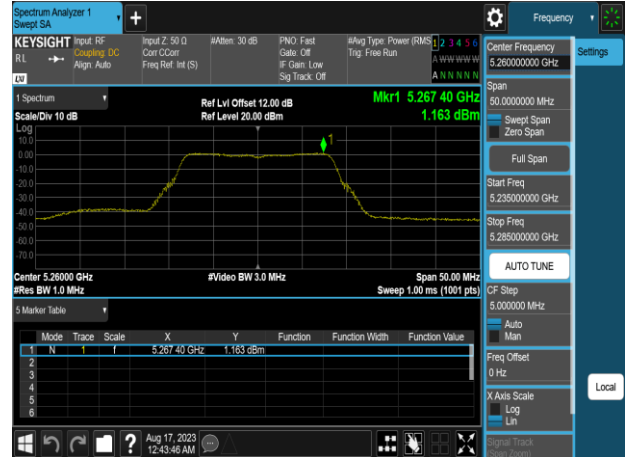
Test Data

Standard: IC

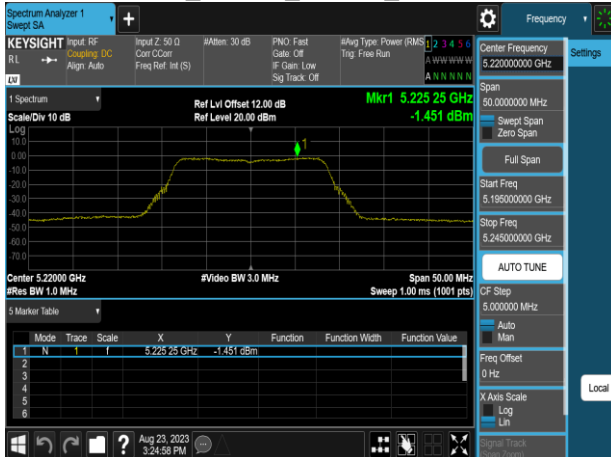
802.11a_20MHz_Chain0_5180MHz



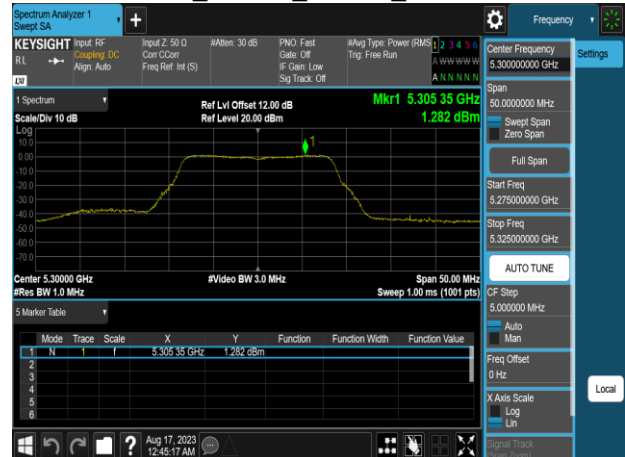
802.11a_20MHz_Chain0_5260MHz



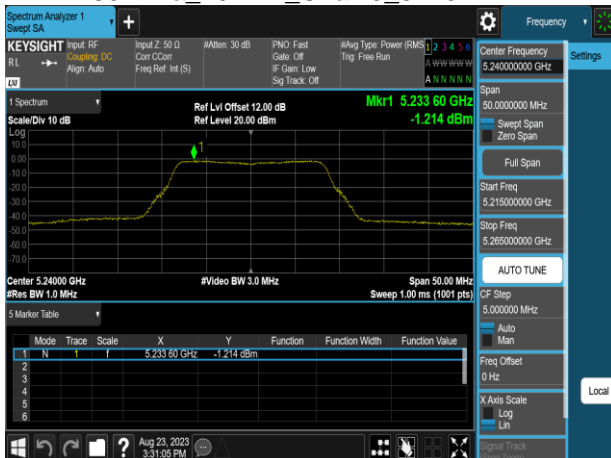
802.11a_20MHz_Chain0_5220MHz



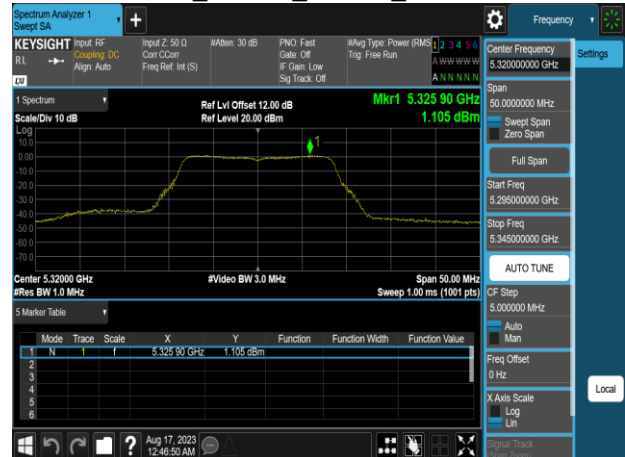
802.11a_20MHz_Chain0_5300MHz



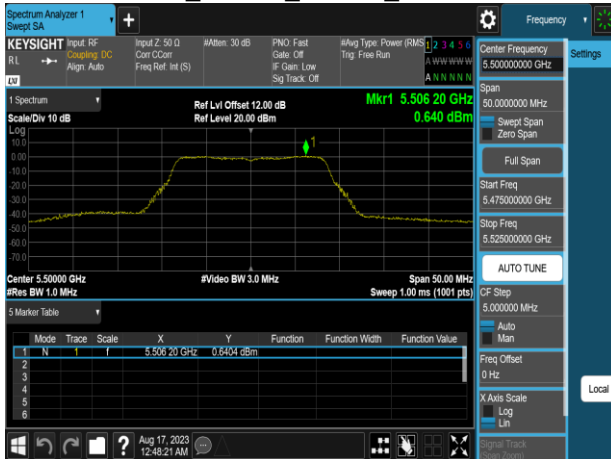
802.11a_20MHz_Chain0_5240MHz



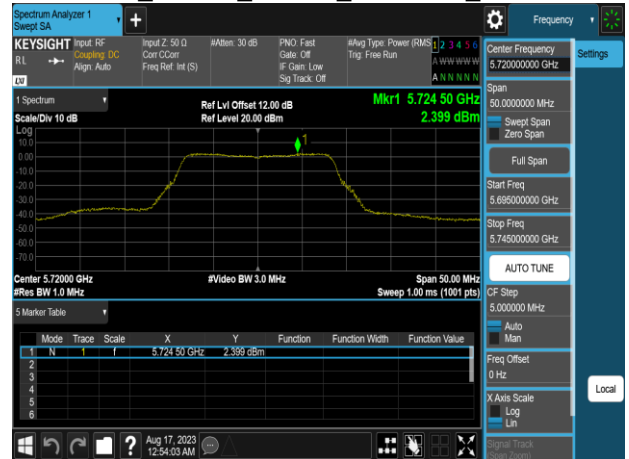
802.11a_20MHz_Chain0_5320MHz



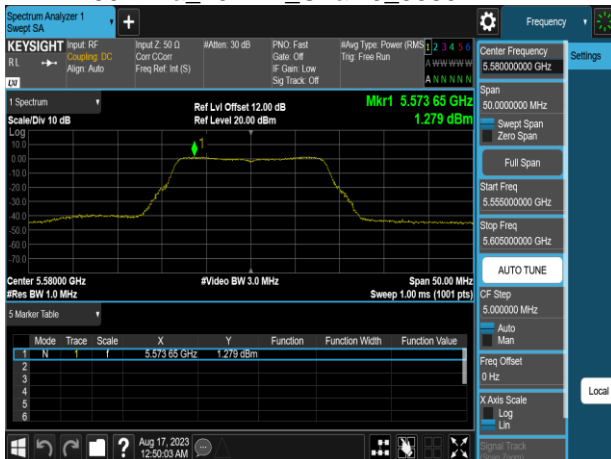
802.11a_20MHz_Chain0_5500MHz



802.11a_20MHz_Chain0_5720MHz_UNII 2C



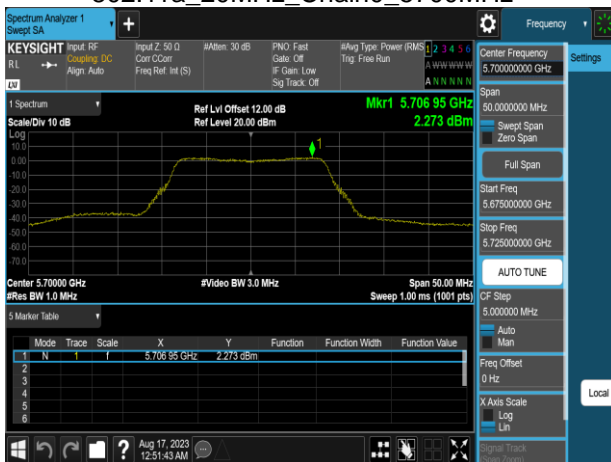
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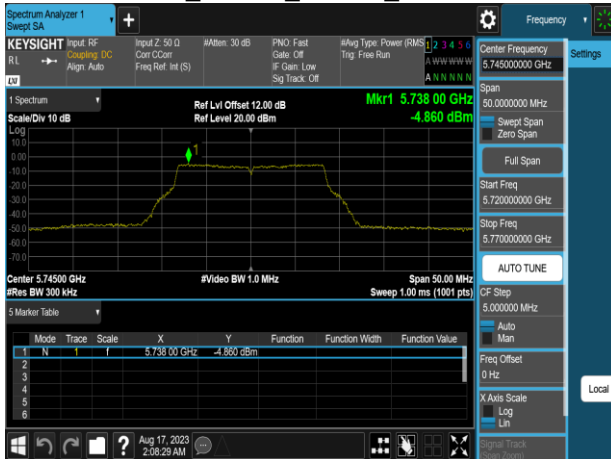
802.11a_20MHz_Chain0_5720MHz_UNII 3



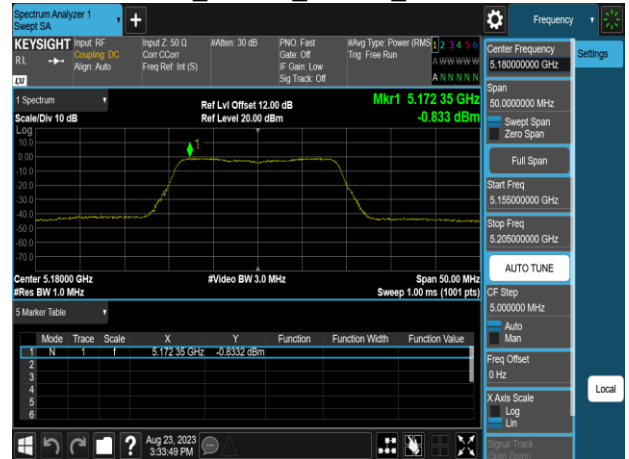
802.11a_20MHz_Chain0_5700MHz



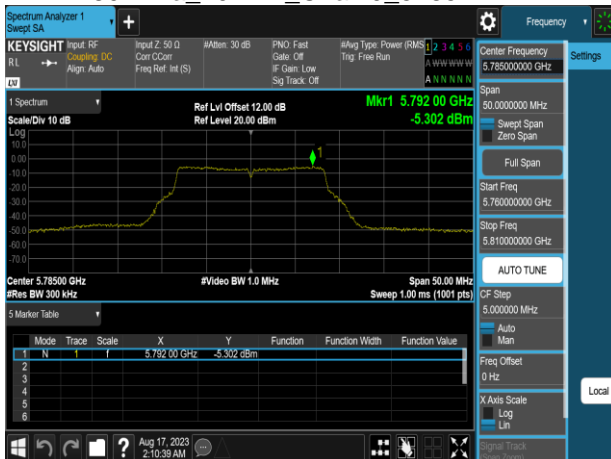
802.11a_20MHz_Chain0_5745MHz



802.11n_20MHz_Chain0_5180MHz



802.11a_20MHz_Chain0_5785MHz



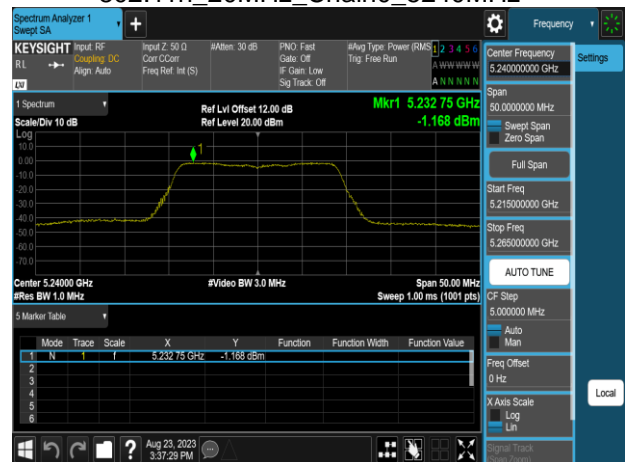
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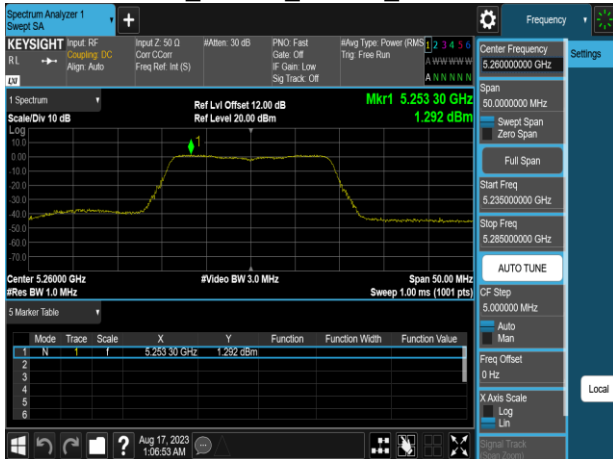
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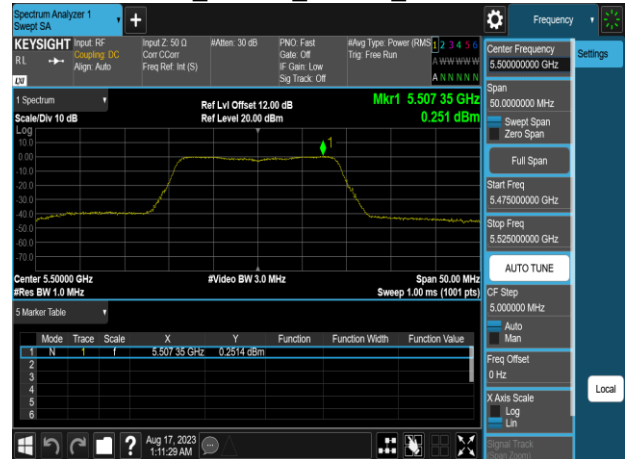
802.11n_20MHz_Chain0_5240MHz



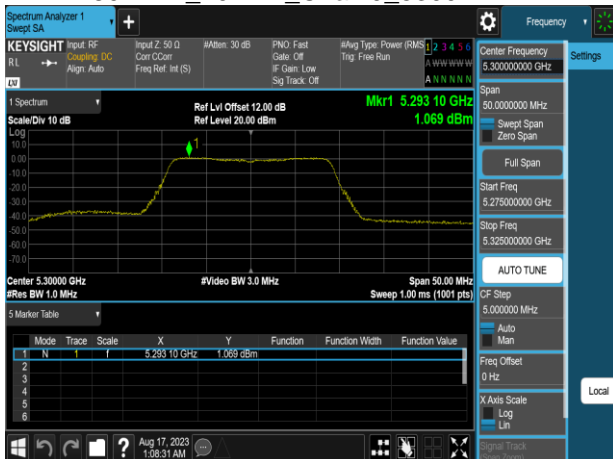
802.11n_20MHz_Chain0_5260MHz



802.11n_20MHz_Chain0_5500MHz



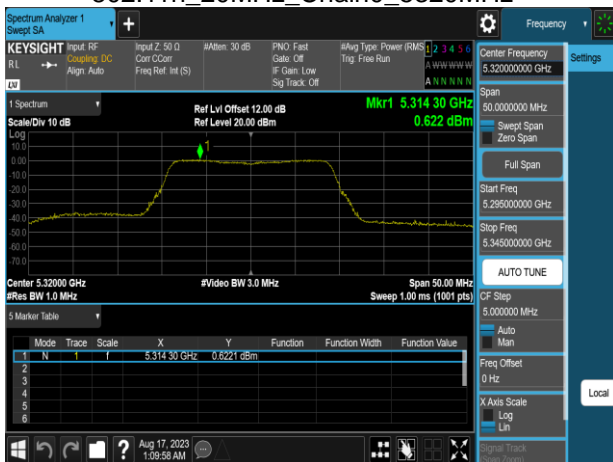
802.11n_20MHz_Chain0_5300MHz



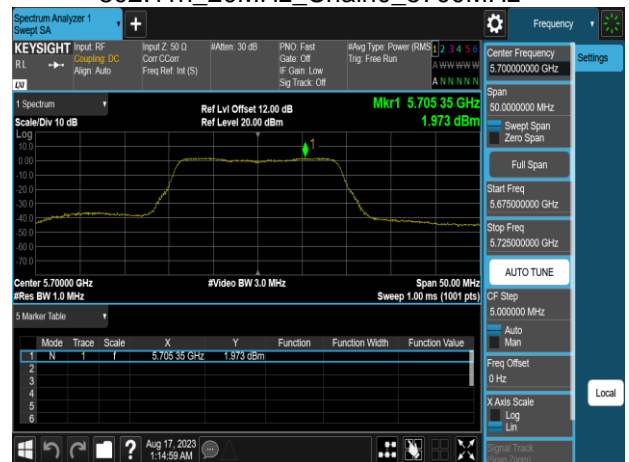
802.11n_20MHz_Chain0_5580MHz



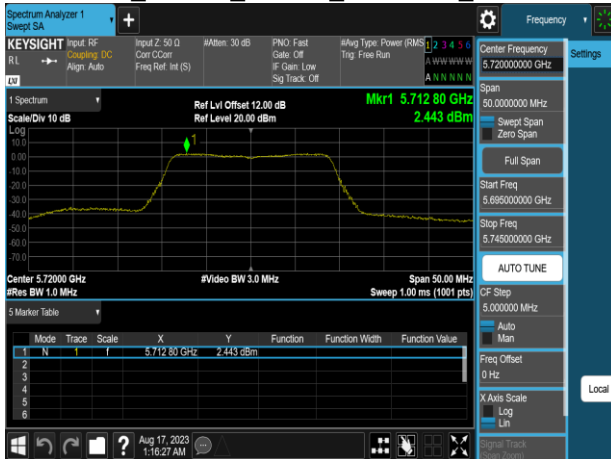
802.11n_20MHz_Chain0_5320MHz



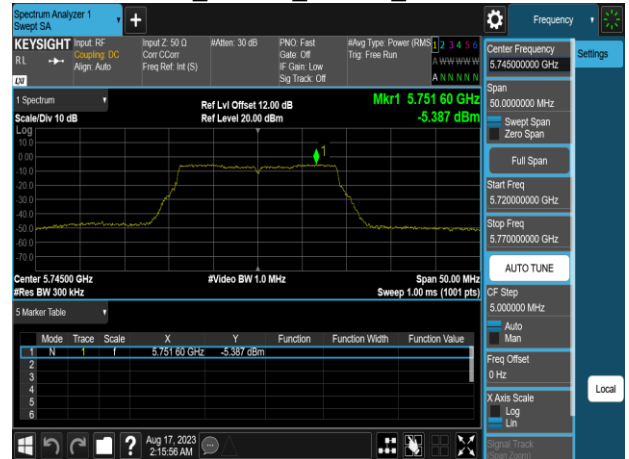
802.11n_20MHz_Chain0_5700MHz



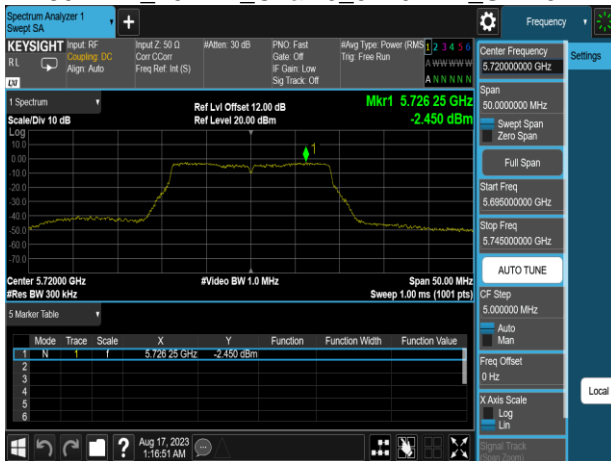
802.11n_20MHz_Chain0_5720MHz_UNII 2C



802.11n_20MHz_Chain0_5745MHz



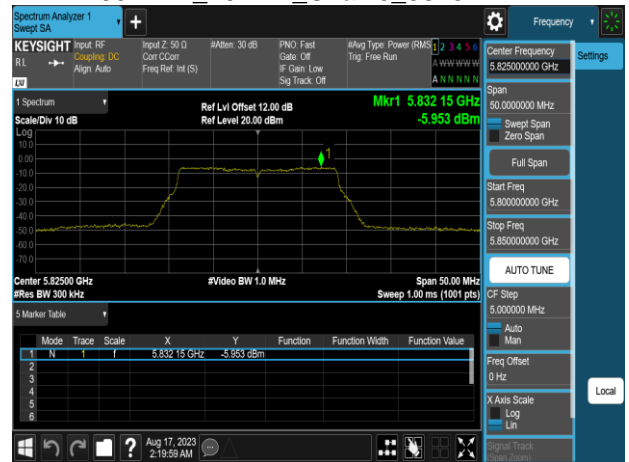
802.11n_20MHz_Chain0_5720MHz_UNII 3



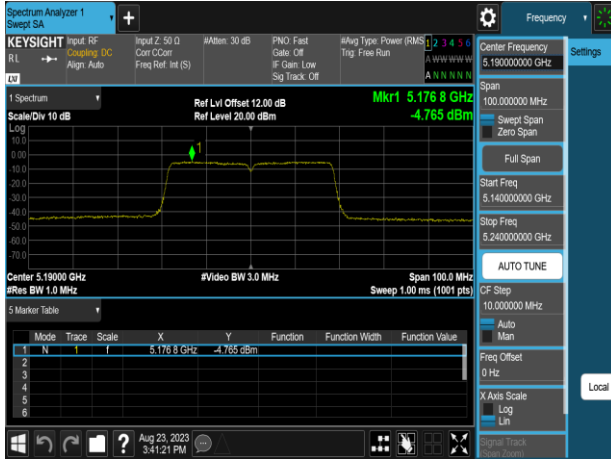
802.11n_20MHz_Chain0_5785MHz



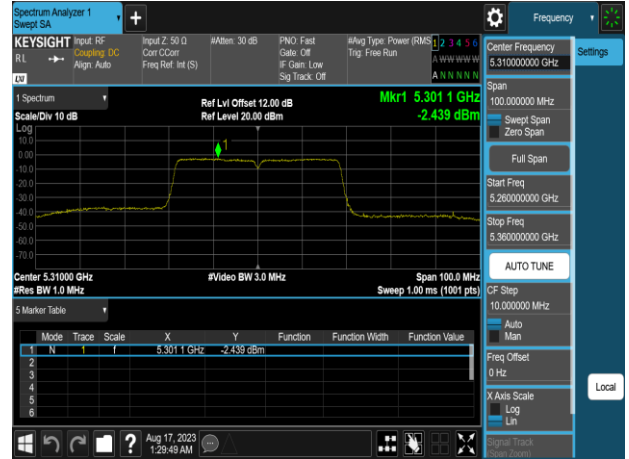
802.11n_20MHz_Chain0_5825MHz



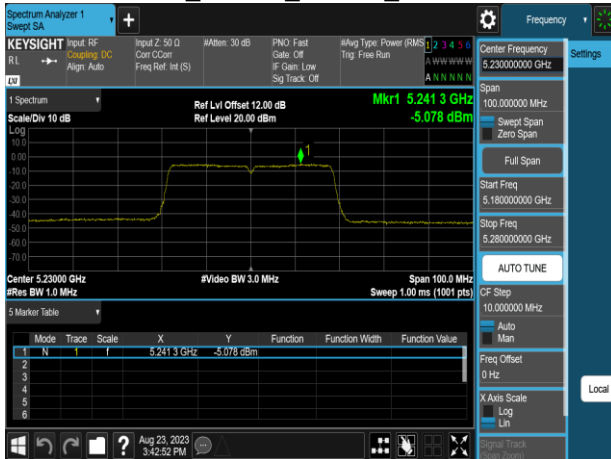
802.11n_40MHz_Chain0_5190MHz



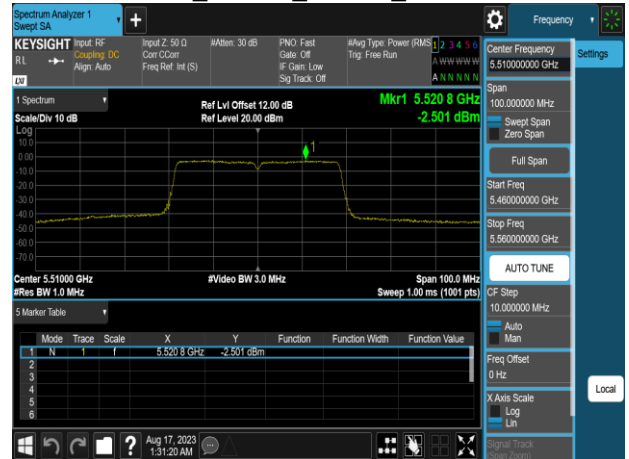
802.11n_40MHz_Chain0_5310MHz



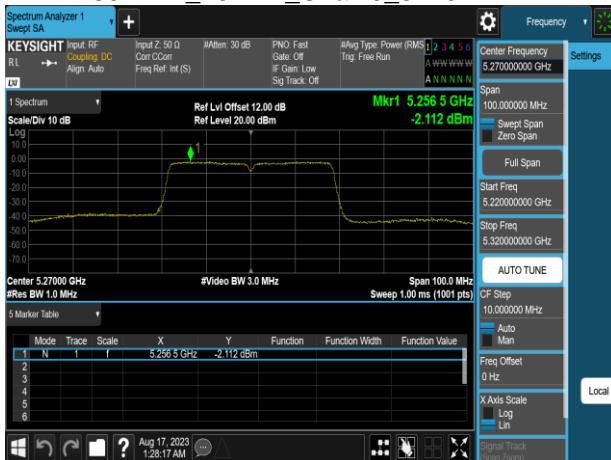
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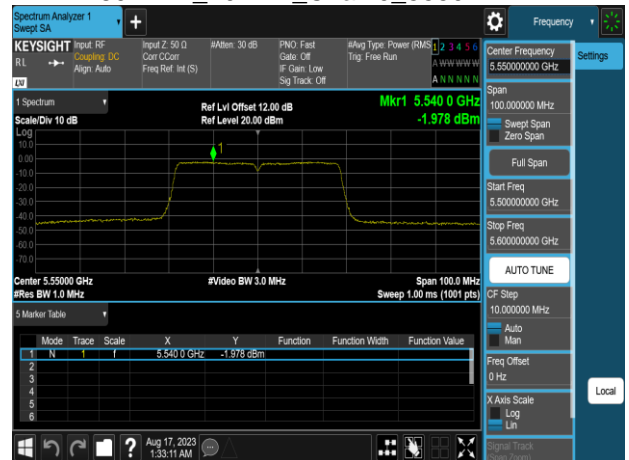
802.11n_40MHz_Chain0_5510MHz



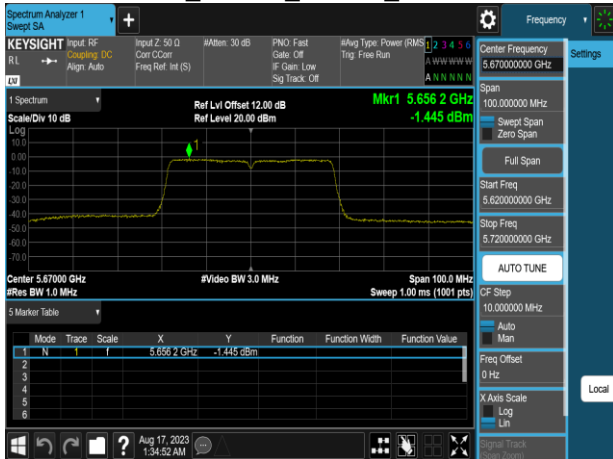
802.11n_40MHz_Chain0_5270MHz



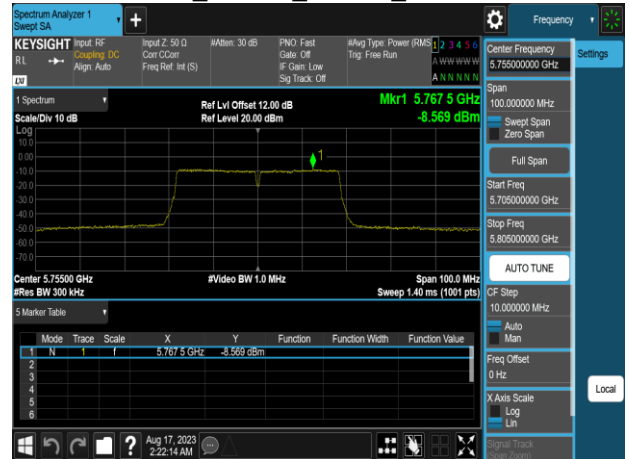
802.11n_40MHz_Chain0_5550MHz



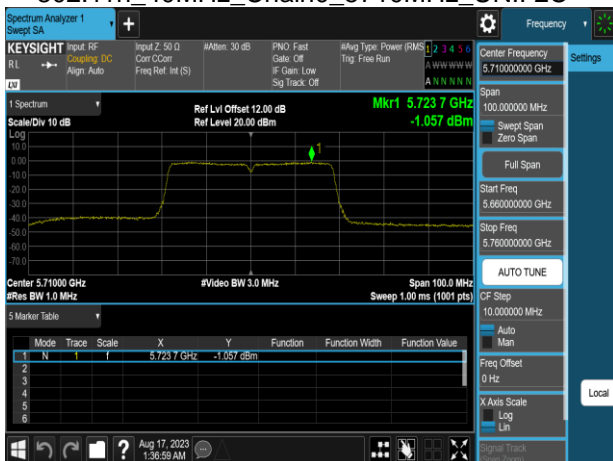
802.11n_40MHz_Chain0_5670MHz



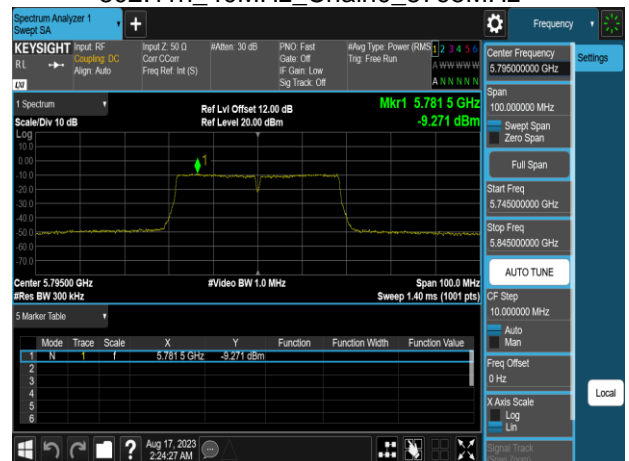
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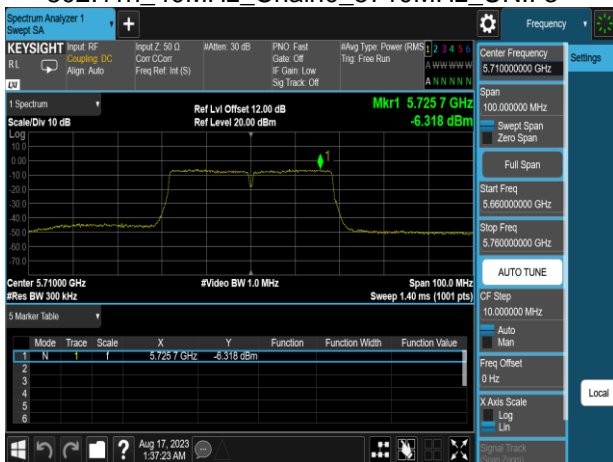
802.11n_40MHz_Chain0_5710MHz_UNII 2C



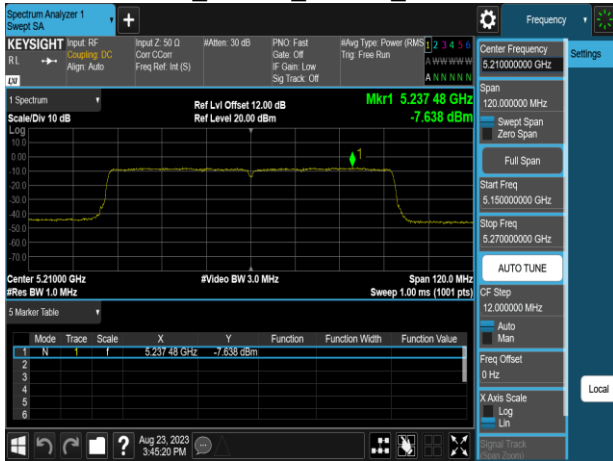
802.11n_40MHz_Chain0_5795MHz



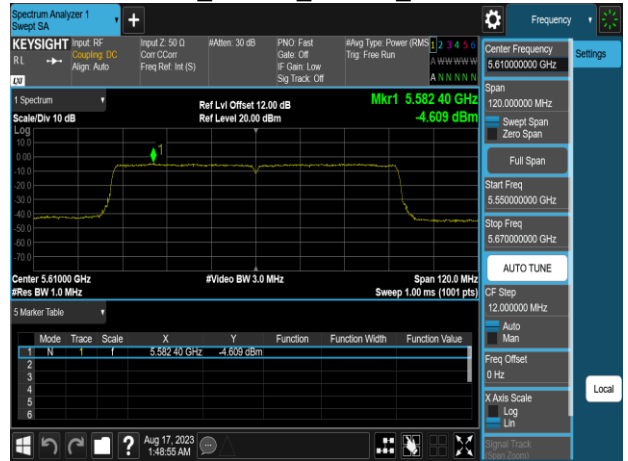
802.11n_40MHz_Chain0_5710MHz_UNII 3



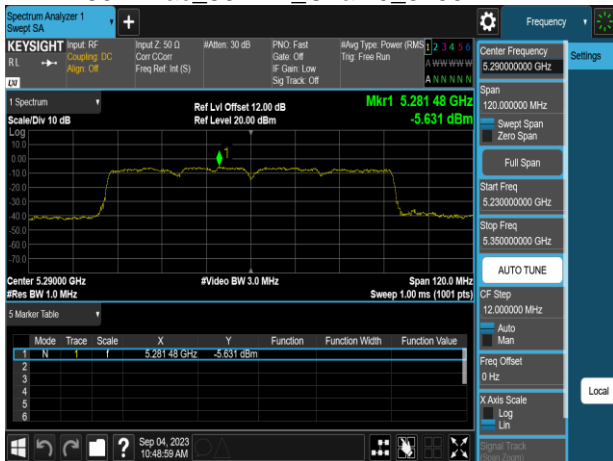
802.11ac_80MHz_Chain0_5210MHz



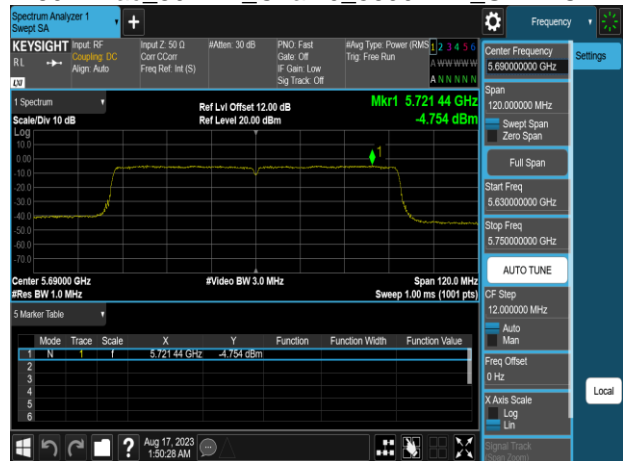
802.11ac_80MHz_Chain0_5610MHz



802.11ac_80MHz_Chain0_5290MHz



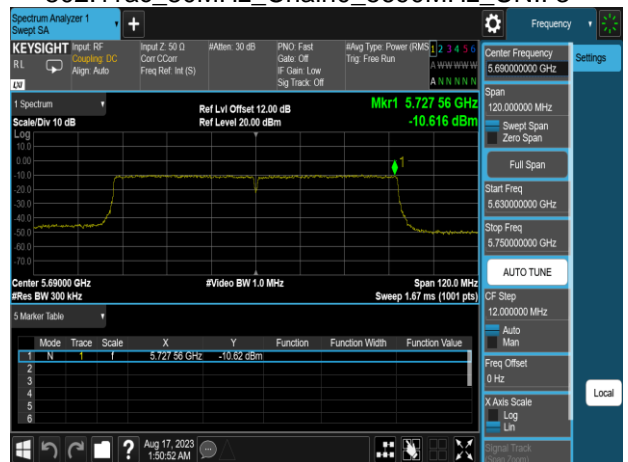
802.11ac_80MHz_Chain0_5690MHz UNII 2C



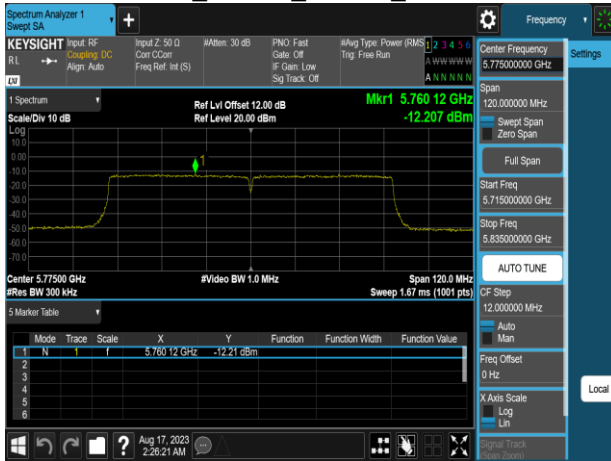
802.11ac_80MHz_Chain0_5530MHz



802.11ac_80MHz_Chain0_5690MHz UNII 3



802.11ac_80MHz_Chain0_5775MHz



4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

IC according to RSS-247 section 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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)

RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz ^(Note)

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)

Note: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency	Magnetic field strength (H-Field) (µA/m)	Measurement Distance (m)
9-490 kHz ^{Note}	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

Note: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector..

UNII-1 :

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

UNII-2a and 2c :

For devices with operating frequencies in the band 5250-5350 MHz but having a channel bandwidth that overlaps the band 5150-5250 MHz, the devices' unwanted emission shall not exceed -27 dBm/MHz e.i.r.p. outside the band 5150-5350 MHz and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device shall be labelled "for indoor use only." Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

UNII-3:

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p. For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz

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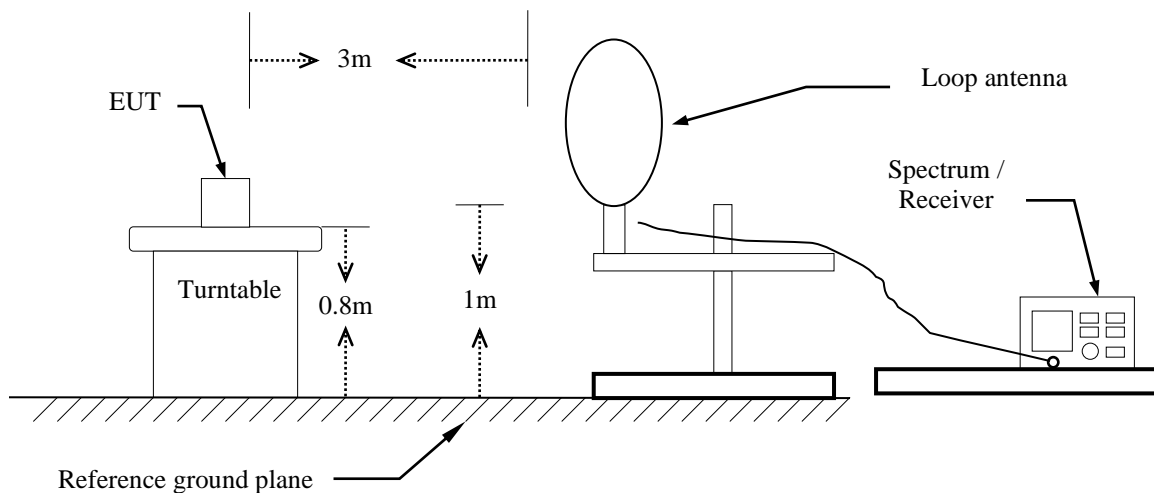
4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

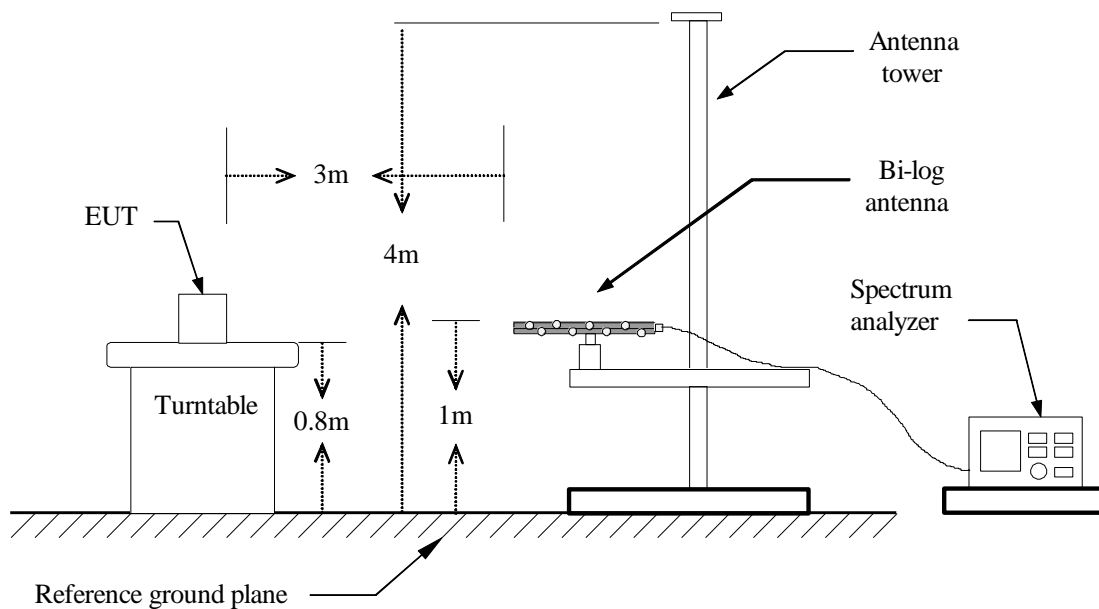
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And 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 40GHz 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)
5. The SA setting following :
 - (1) Below 1G : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2) Above 1G :
 - (2.1) For Peak measurement : RBW = 1MHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2.2) For Average measurement : RBW = 1MHz, VBW
 - If Duty Cycle $\geq 98\%$, VBW=10Hz.
 - If Duty Cycle $< 98\%$, VBW=1/T.
 - (3) Data result :
 - Actual FS=Spectrum Reading Level + Factor
 - Margin=Actual FS- Limit

4.5.3 Test Setup

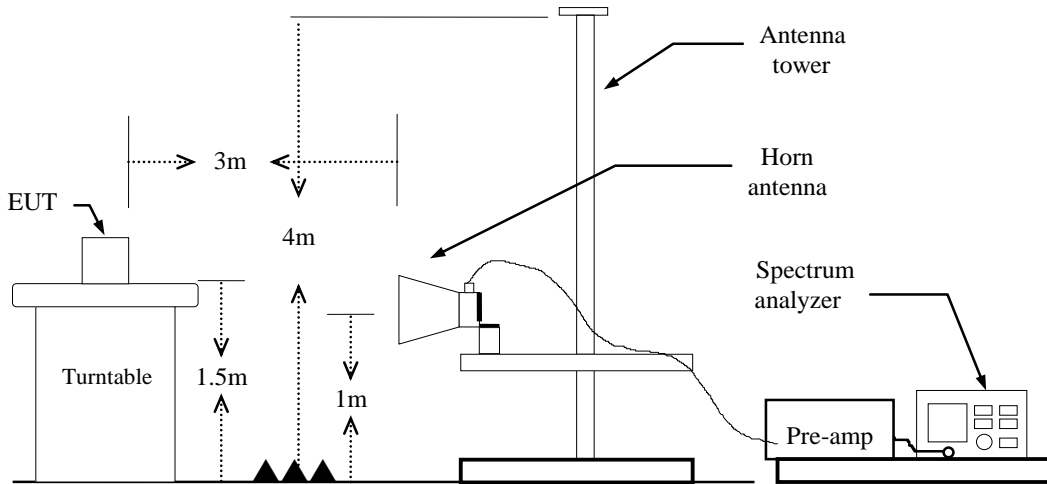
9kHz ~ 30MHz



30MHz ~ 1GHz



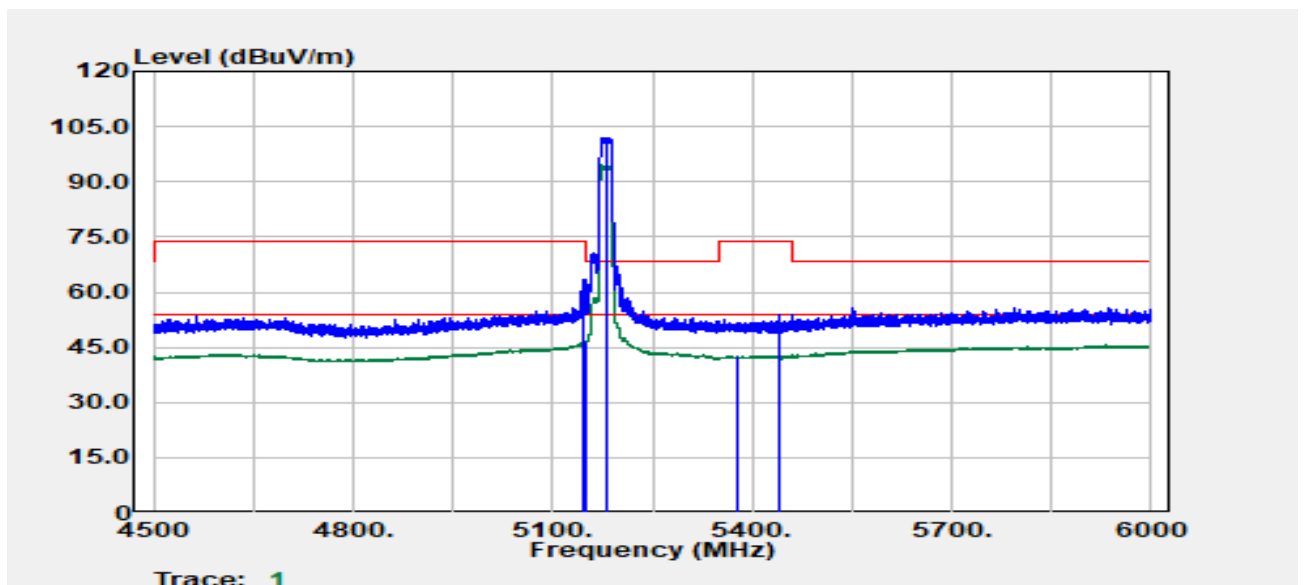
Above 1 GHz



4.5.4 Test Result

Band Edge Test Data: (FCC)

Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11a/Band1	Temp./Humi.	:24.4/57
Frequency	:5180 MHz	Antenna Pol.	:Vertical
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



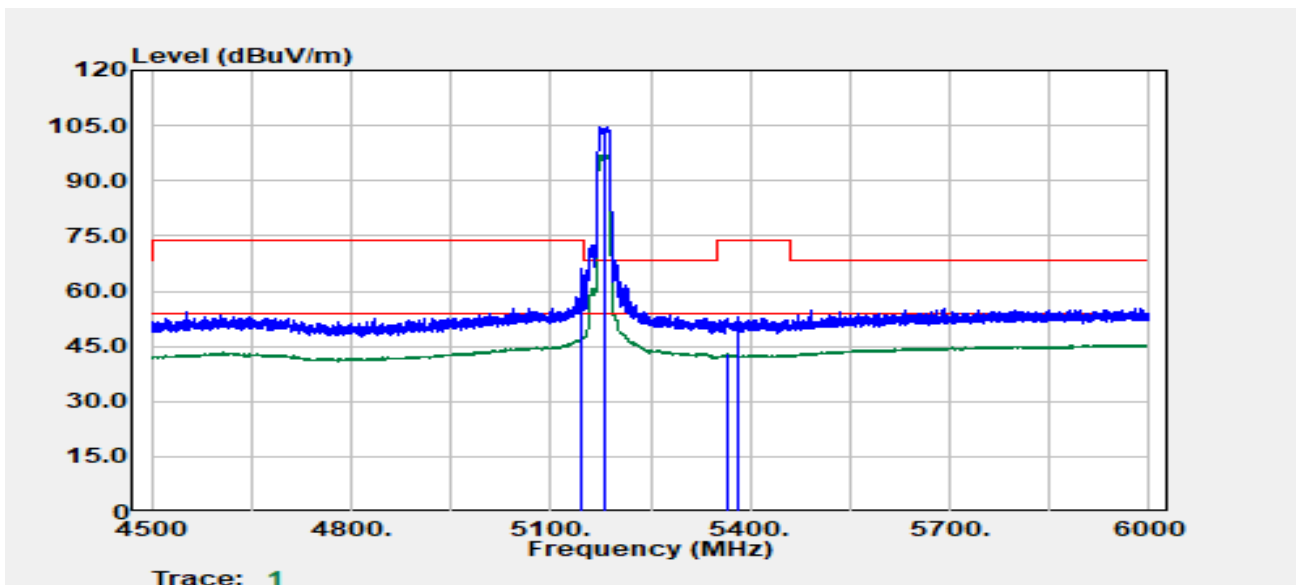
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
5145.357	Peak	51.16	12.15	63.31	74.00	-10.69
5148.108	Average	34.70	12.16	46.85	54.00	-7.15
5180.000	Peak	89.97	12.10	102.07	--	--
5180.000	Average	82.48	12.10	94.58	--	--
5377.896	Average	30.39	12.24	42.63	54.00	-11.37
5440.157	Peak	41.73	12.36	54.09	74.00	-19.91

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11a/Band1
 Frequency :5180 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Tony.Chao
 Test Chamber : 966A



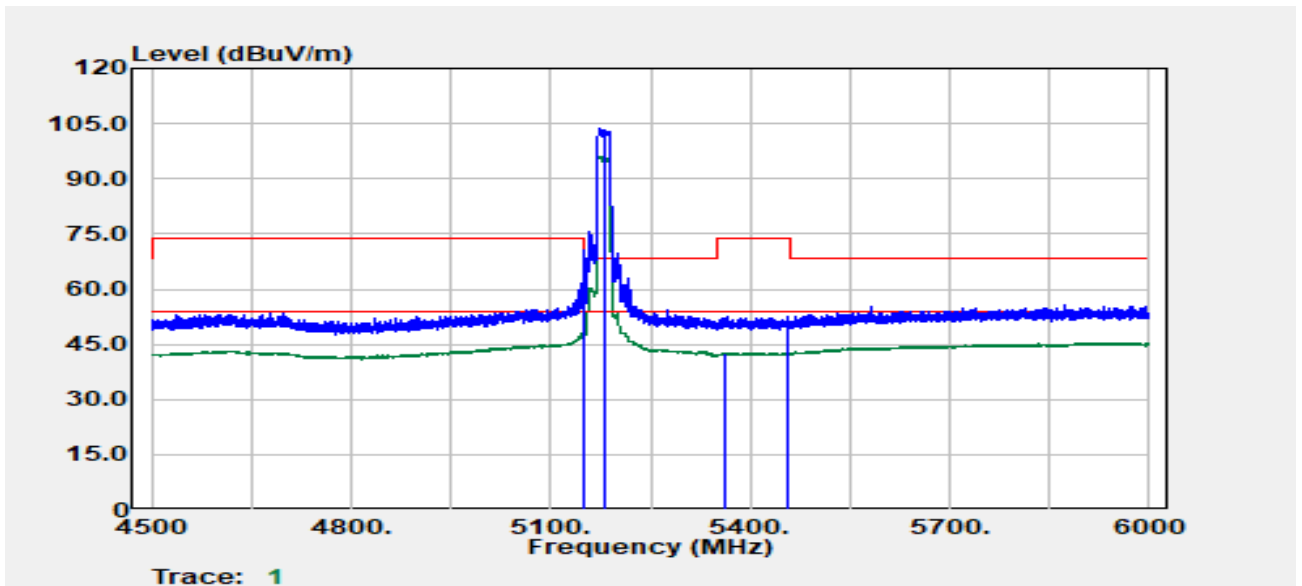
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5145.857	Peak	53.87	12.15	66.02	74.00	-7.98
5147.358	Average	35.63	12.15	47.78	54.00	-6.22
5180.000	Peak	92.40	12.10	104.50	--	--
5180.000	Average	84.94	12.10	97.04	--	--
5365.144	Average	30.70	12.19	42.88	54.00	-11.12
5380.146	Peak	40.80	12.24	53.05	74.00	-20.95

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Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n20/Band1
 Frequency :5180 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Tony.Chao
 Test Chamber : 966A



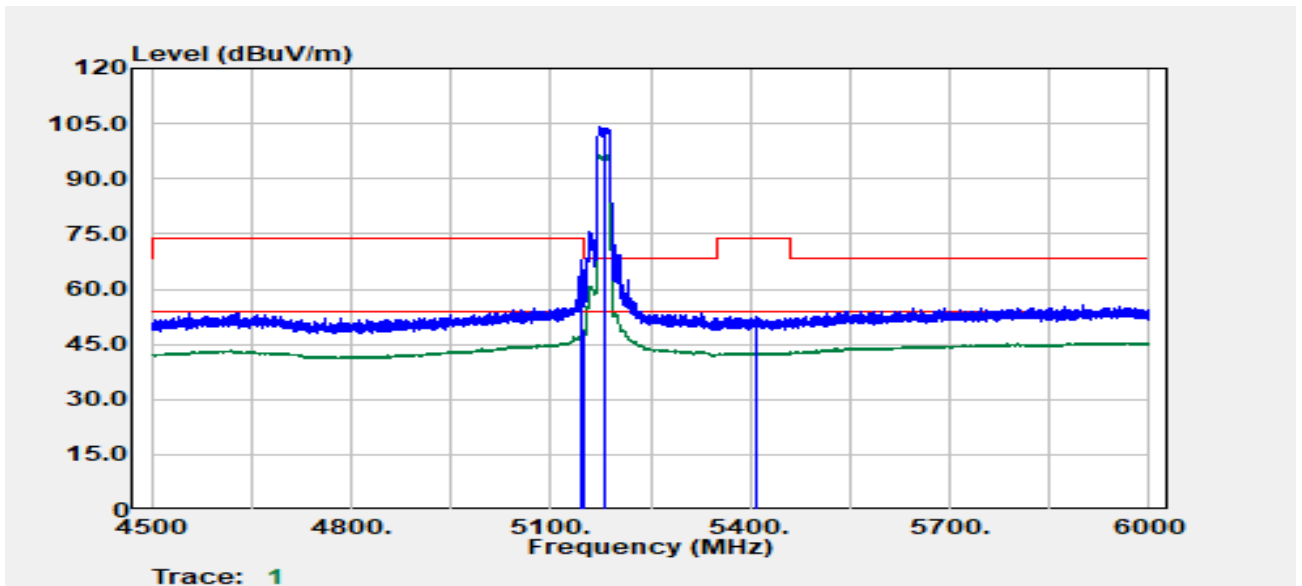
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5148.358	Peak	58.69	12.16	70.85	74.00	-3.15
5149.108	Average	36.74	12.16	48.90	54.00	-5.10
5180.000	Peak	91.62	12.10	103.72	--	--
5180.000	Average	83.91	12.10	96.01	--	--
5363.394	Average	30.60	12.18	42.78	54.00	-11.22
5456.159	Peak	40.36	12.40	52.75	74.00	-21.25

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Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n20/Band1
 Frequency :5180 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Tony.Chao
 Test Chamber : 966A



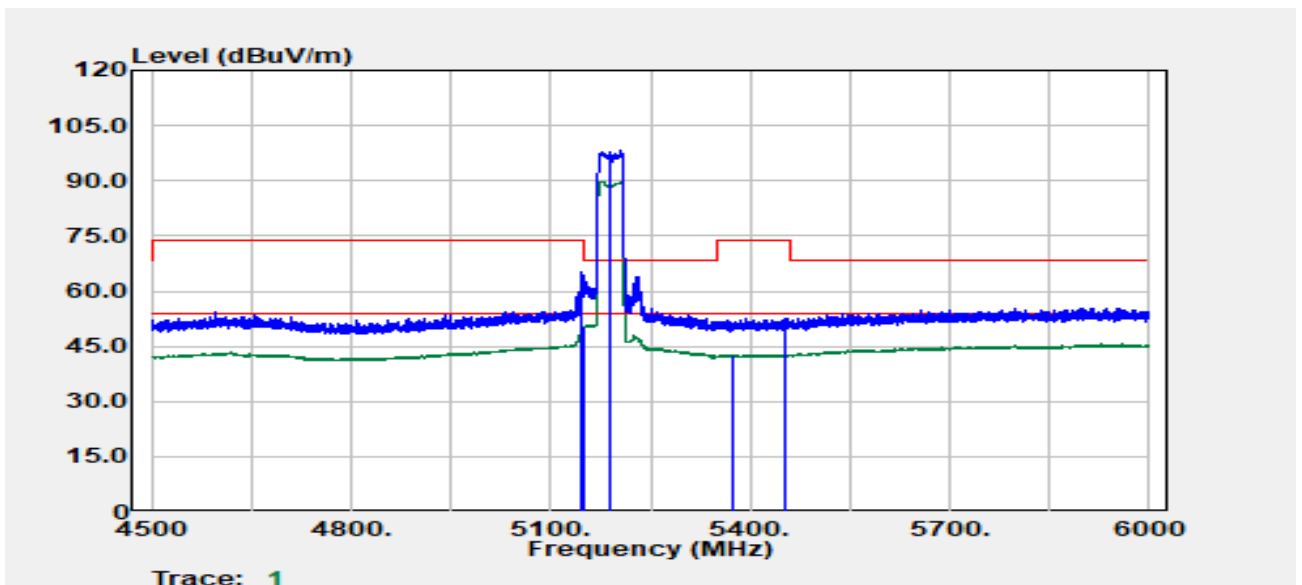
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5147.108	Peak	55.93	12.15	68.08	74.00	-5.92
5148.108	Average	36.79	12.16	48.94	54.00	-5.06
5180.000	Peak	92.14	12.10	104.24	--	--
5180.000	Average	84.31	12.10	96.41	--	--
5407.901	Peak	40.12	12.33	52.45	74.00	-21.55
5408.151	Average	30.41	12.33	42.74	54.00	-11.26

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Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band1
 Frequency :5190 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :53

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Ray.Li
 Test Chamber : 966A



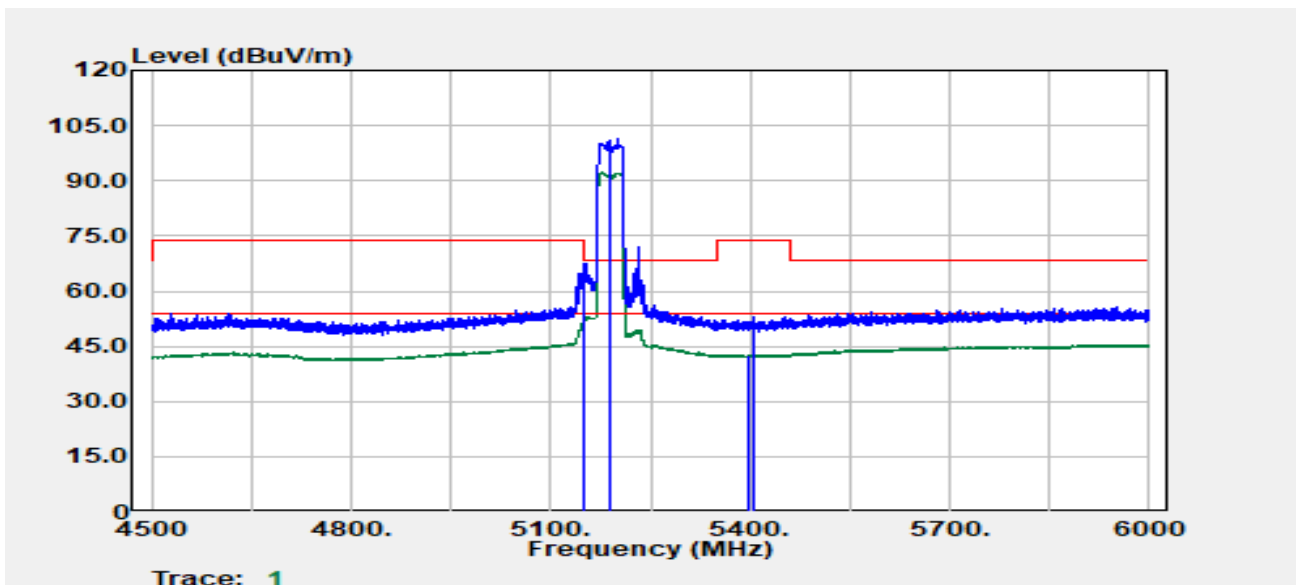
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5146.800	Peak	52.85	12.15	65.00	74.00	-9.00
5149.800	Average	38.01	12.16	50.17	54.00	-3.83
5190.000	Peak	86.18	12.08	98.26	--	--
5190.000	Average	77.80	12.08	89.88	--	--
5373.300	Average	30.48	12.22	42.70	54.00	-11.30
5453.100	Peak	40.29	12.39	52.67	74.00	-21.33

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band1
 Frequency :5190 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :53

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber :966A

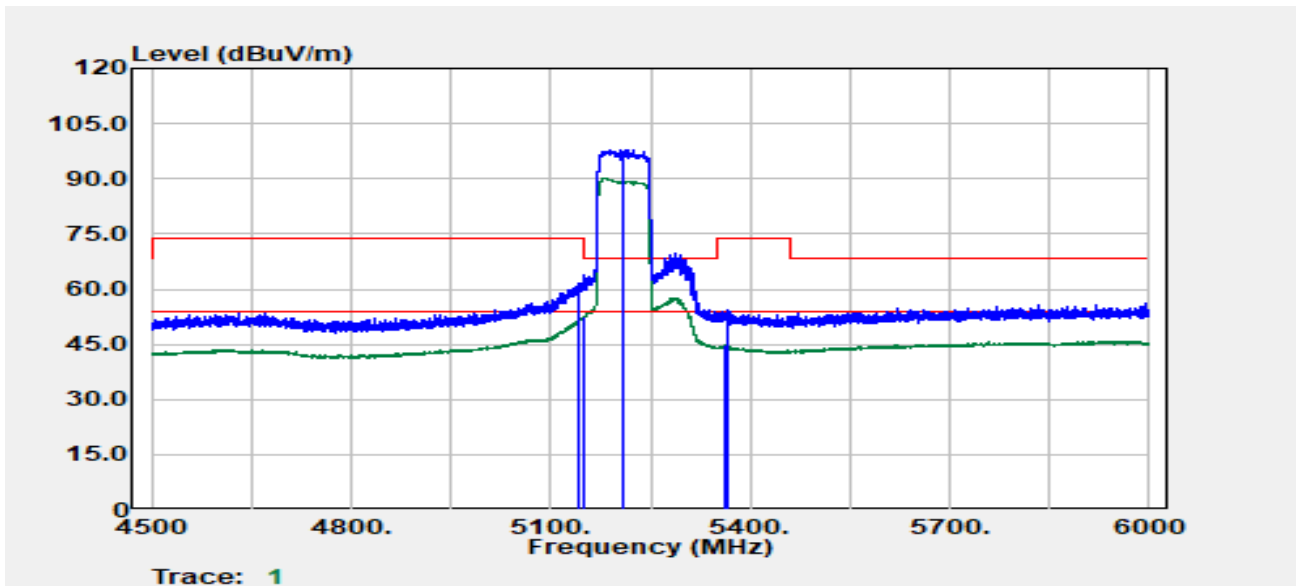


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5149.200	Average	39.71	12.16	51.87	54.00	-2.13
5149.500	Peak	55.06	12.16	67.22	74.00	-6.78
5190.000	Peak	89.54	12.08	101.62	--	--
5190.000	Average	80.17	12.08	92.25	--	--
5398.200	Average	30.40	12.31	42.71	54.00	-11.29
5404.200	Peak	40.80	12.32	53.12	74.00	-20.88

Report No.: TMWK2308002691KR

Rev.: 00

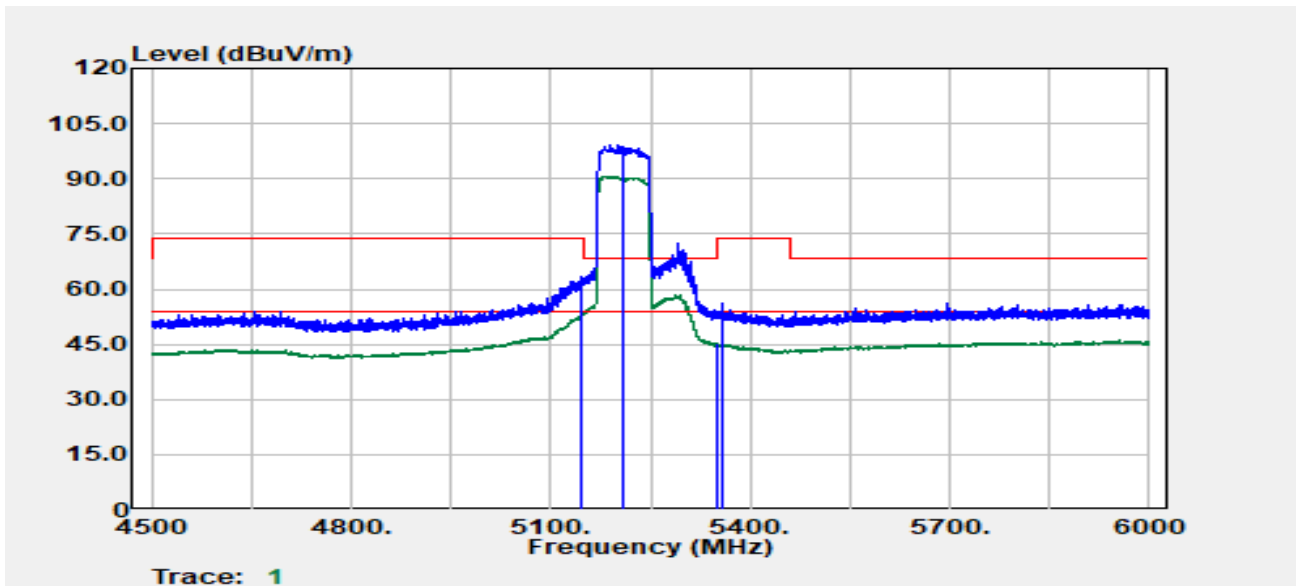
Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11ac80/Band1	Temp./Humi.	:24.4/57
Frequency	:5210 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Ray.Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5143.500	Peak	49.60	12.15	61.75	74.00	-12.25
5149.500	Average	40.25	12.16	52.41	54.00	-1.59
5210.000	Peak	85.90	12.06	97.96	--	--
5210.000	Average	78.07	12.06	90.13	--	--
5362.200	Average	32.53	12.18	44.71	54.00	-9.29
5365.200	Peak	42.25	12.19	54.44	74.00	-19.56

Project Number :TM-2308000057P
 Operation Band :802.11ac80/Band1
 Frequency :5210 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A

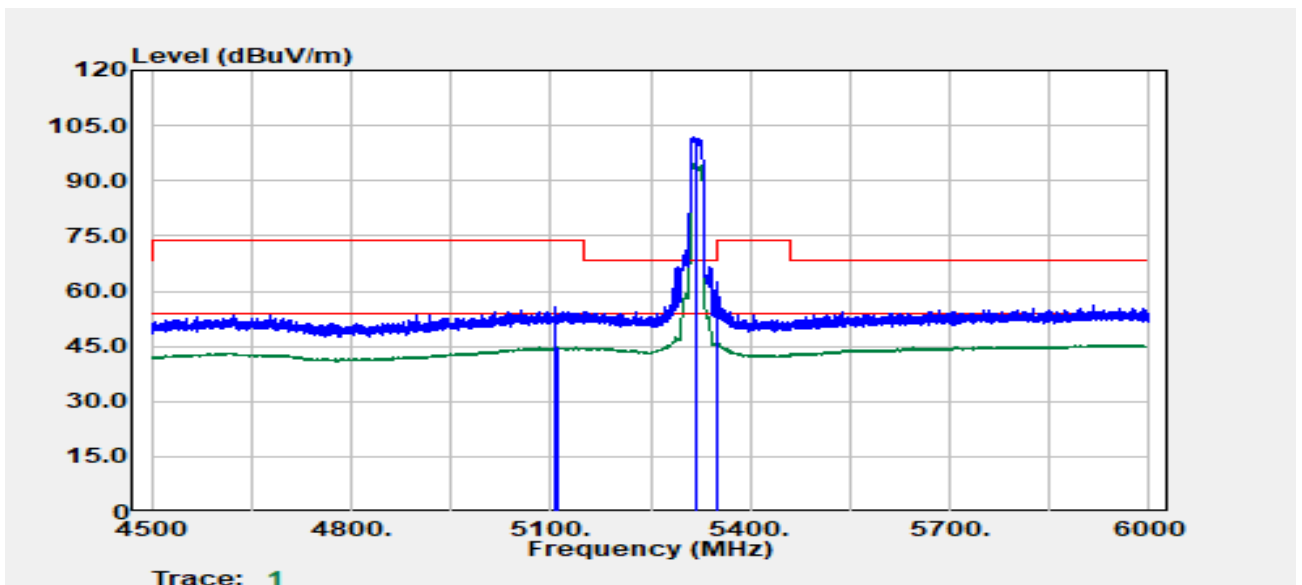


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5147.400	Peak	51.18	12.15	63.34	74.00	-10.66
5147.700	Average	41.26	12.15	53.42	54.00	-0.58
5210.000	Peak	87.20	12.06	99.26	--	--
5210.000	Average	78.58	12.06	90.64	--	--
5350.800	Average	32.93	12.13	45.06	54.00	-8.94
5357.700	Peak	44.00	12.16	56.16	74.00	-17.84

Report No.: TMWK2308002691KR

Rev.: 00

Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11a/Band2	Temp./Humi.	:24.4/57
Frequency	:5320 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



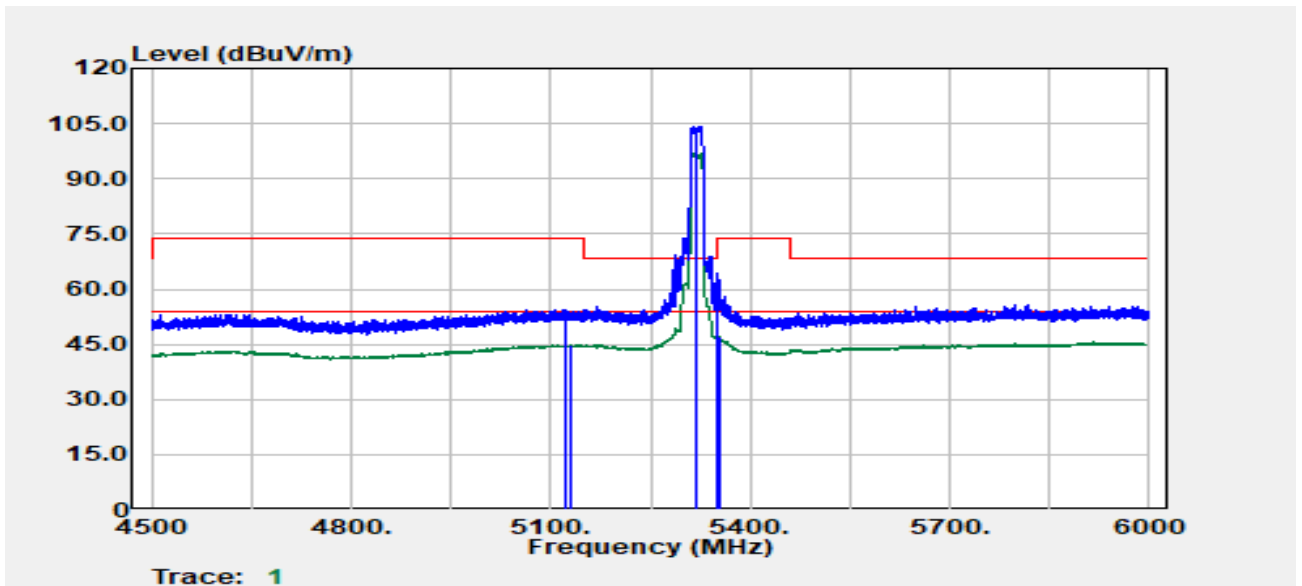
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5107.851	Peak	43.53	12.07	55.59	74.00	-18.41
5110.352	Average	32.69	12.07	44.76	54.00	-9.24
5320.000	Peak	89.76	12.14	101.90	--	--
5320.000	Average	82.60	12.14	94.74	--	--
5350.392	Average	33.50	12.13	45.63	54.00	-8.37
5351.892	Peak	50.37	12.14	62.50	74.00	-11.50

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11a/Band2
 Frequency :5320 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Tony.Chao
 Test Chamber : 966A



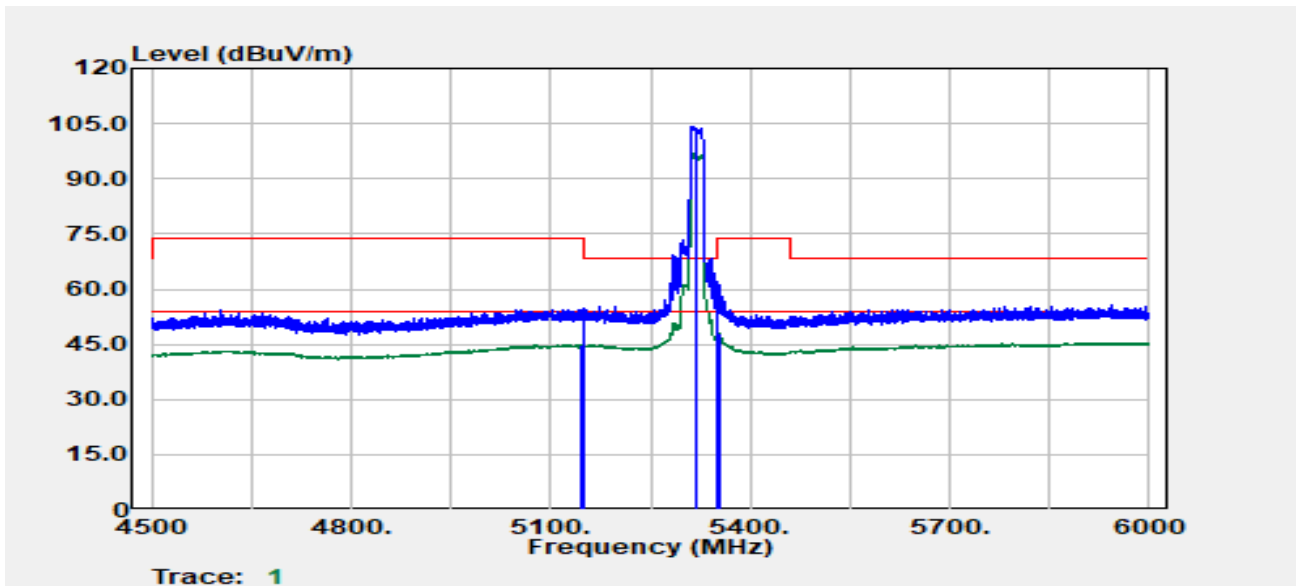
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5120.604	Peak	42.39	12.10	54.49	74.00	-19.51
5130.355	Average	32.63	12.12	44.75	54.00	-9.25
5320.000	Peak	92.06	12.14	104.20	--	--
5320.000	Average	84.77	12.14	96.91	--	--
5350.642	Peak	52.39	12.13	64.52	74.00	-9.48
5352.642	Average	34.94	12.14	47.08	54.00	-6.92

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n20/Band2
 Frequency :5320 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Tony.Chao
 Test Chamber : 966A



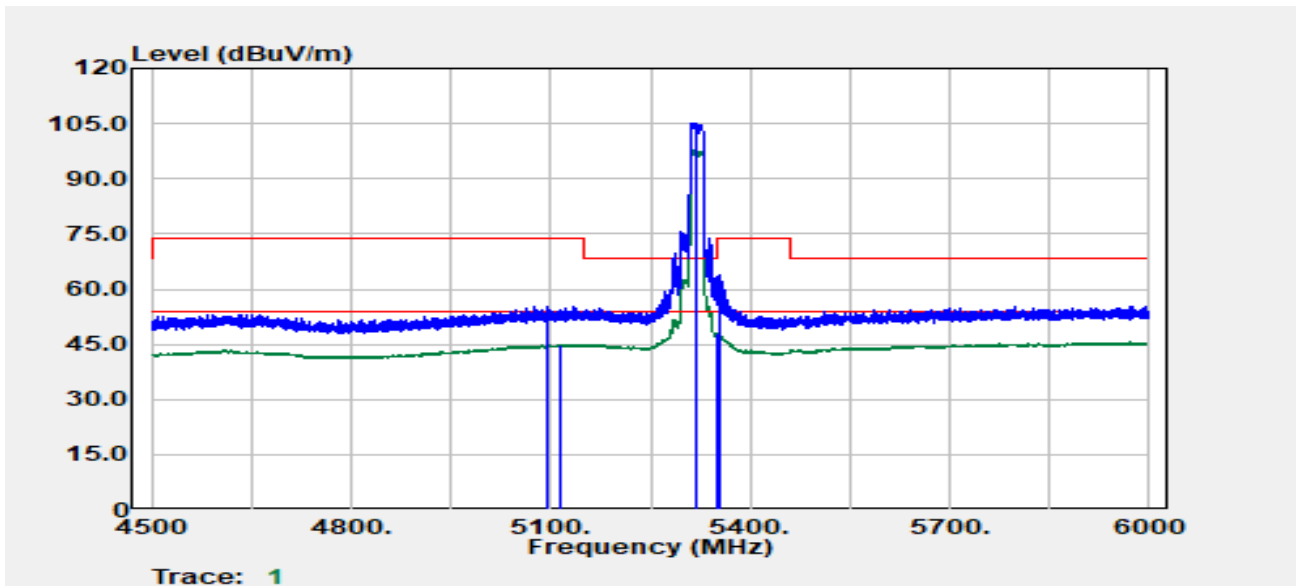
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5147.608	Average	32.61	12.15	44.77	54.00	-9.23
5150.108	Peak	42.68	12.16	54.84	68.20	-13.36
5320.000	Peak	92.12	12.14	104.26	--	--
5320.000	Average	84.87	12.14	97.01	--	--
5351.142	Peak	49.96	12.13	62.10	74.00	-11.90
5352.892	Average	35.68	12.14	47.82	54.00	-6.18

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n20/Band2
 Frequency :5320 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Tony.Chao
 Test Chamber : 966A



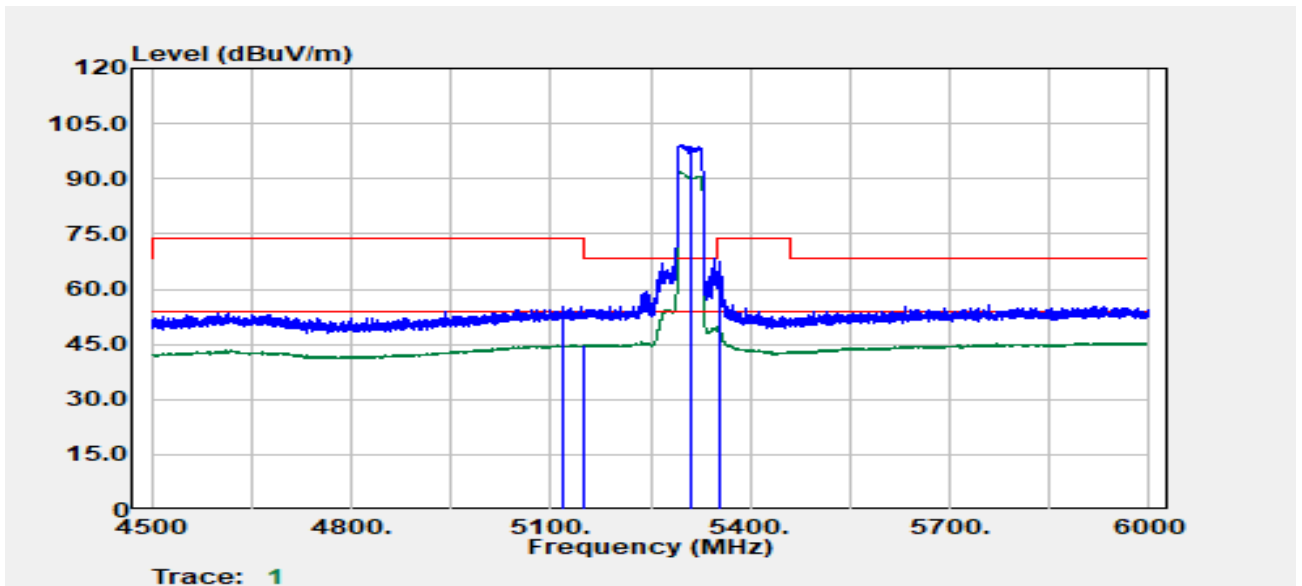
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5094.849	Peak	43.32	12.04	55.36	74.00	-18.64
5115.853	Average	32.67	12.08	44.76	54.00	-9.24
5320.000	Peak	92.82	12.14	104.96	--	--
5320.000	Average	85.69	12.14	97.83	--	--
5351.142	Average	35.75	12.13	47.88	54.00	-6.12
5353.142	Peak	51.61	12.14	63.75	74.00	-10.25

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band2
 Frequency :5310 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Ray.Li
 Test Chamber : 966A



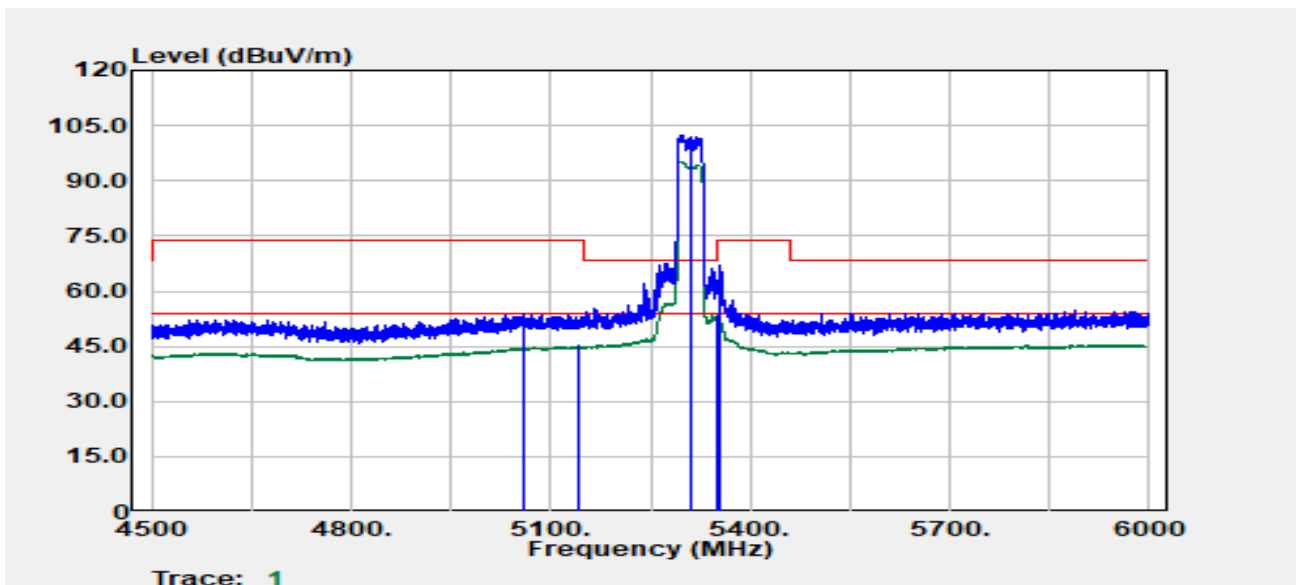
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5116.800	Peak	43.04	12.09	55.12	74.00	-18.88
5149.800	Average	32.68	12.16	44.84	54.00	-9.16
5310.000	Peak	87.11	12.15	99.26	--	--
5310.000	Average	79.64	12.15	91.78	--	--
5354.700	Average	37.90	12.15	50.05	54.00	-3.95
5355.600	Peak	55.43	12.15	67.58	74.00	-6.42

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band2
 Frequency :5310 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A



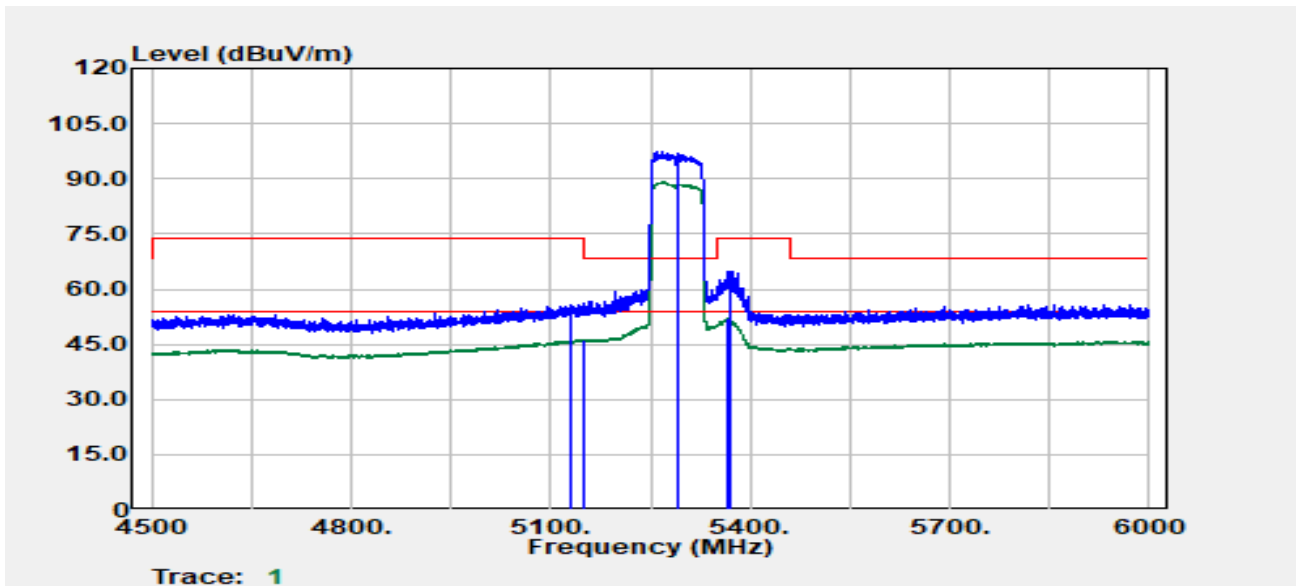
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5058.843	Peak	41.82	11.97	53.79	74.00	-20.21
5142.857	Average	32.92	12.14	45.06	54.00	-8.94
5310.000	Peak	90.31	12.15	102.46	--	--
5310.000	Average	82.99	12.15	95.14	--	--
5351.642	Average	41.26	12.14	53.40	54.00	-0.60
5353.142	Peak	54.82	12.14	66.96	74.00	-7.04

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11ac80/Band2
 Frequency :5290 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :55

Test Date :2023-08-30
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Ray.Li
 Test Chamber : 966A



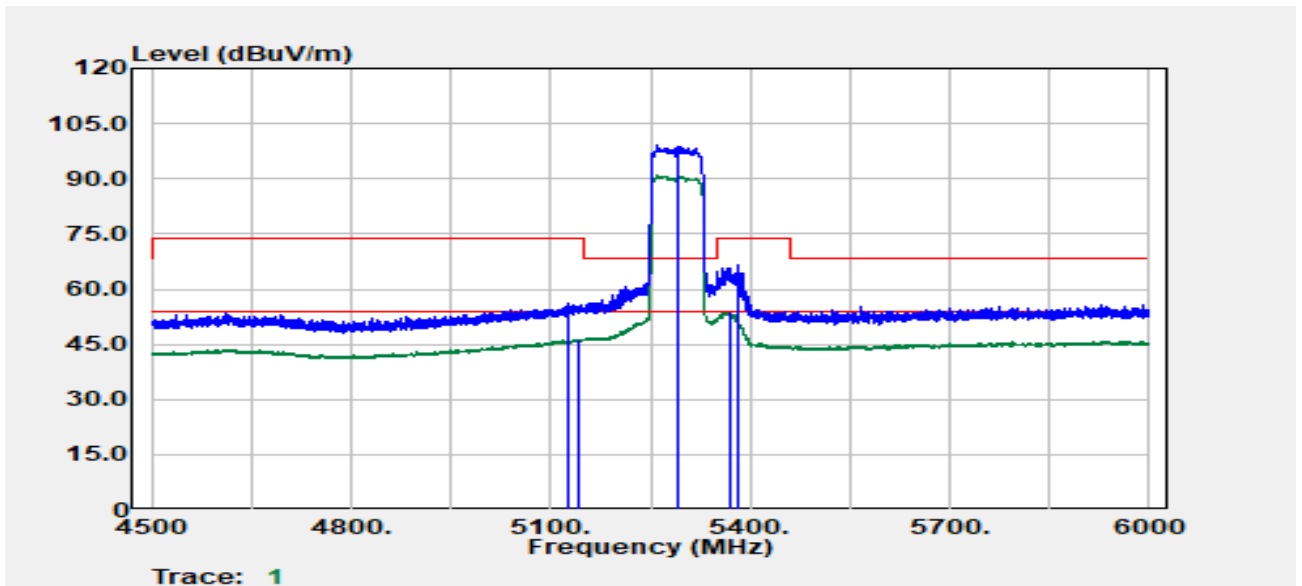
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5130.000	Peak	43.55	12.12	55.67	74.00	-18.33
5148.600	Average	34.07	12.16	46.23	54.00	-7.77
5290.000	Peak	85.40	12.13	97.52	--	--
5290.000	Average	76.97	12.13	89.10	--	--
5364.000	Average	39.81	12.18	51.99	54.00	-2.01
5368.800	Peak	52.72	12.20	64.92	74.00	-9.08

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11ac80/Band2
 Frequency :5290 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :55

Test Date :2023-08-30
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A

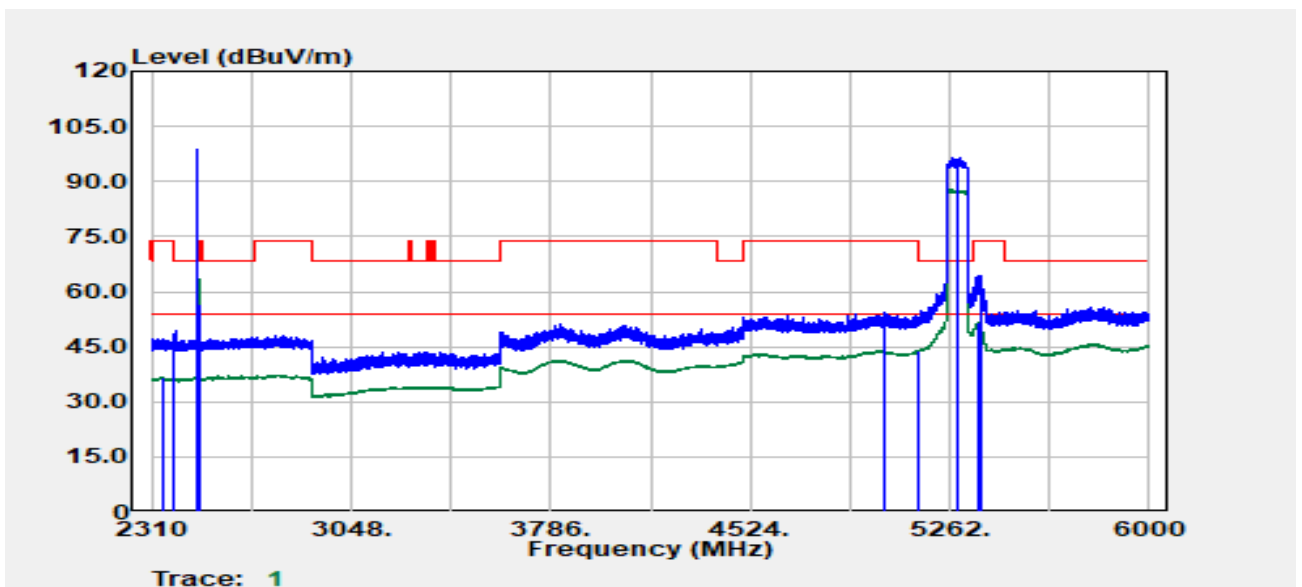


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5125.500	Peak	44.16	12.11	56.27	74.00	-17.73
5142.600	Average	34.18	12.14	46.32	54.00	-7.68
5290.000	Peak	86.93	12.13	99.06	--	--
5290.000	Average	78.75	12.13	90.88	--	--
5367.900	Average	41.61	12.20	53.81	54.00	-0.19
5380.200	Peak	54.19	12.24	66.43	74.00	-7.57

Report No.: TMWK2308002691KR

Rev.: 00

Project Number	:TM-2308000057P	Test Date	:2023-09-01
Operation Band	:802.11ac80/Band2_BT EDR	Temp./Humi.	:24.6/58
Frequency	:2480 MHz_5290 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		

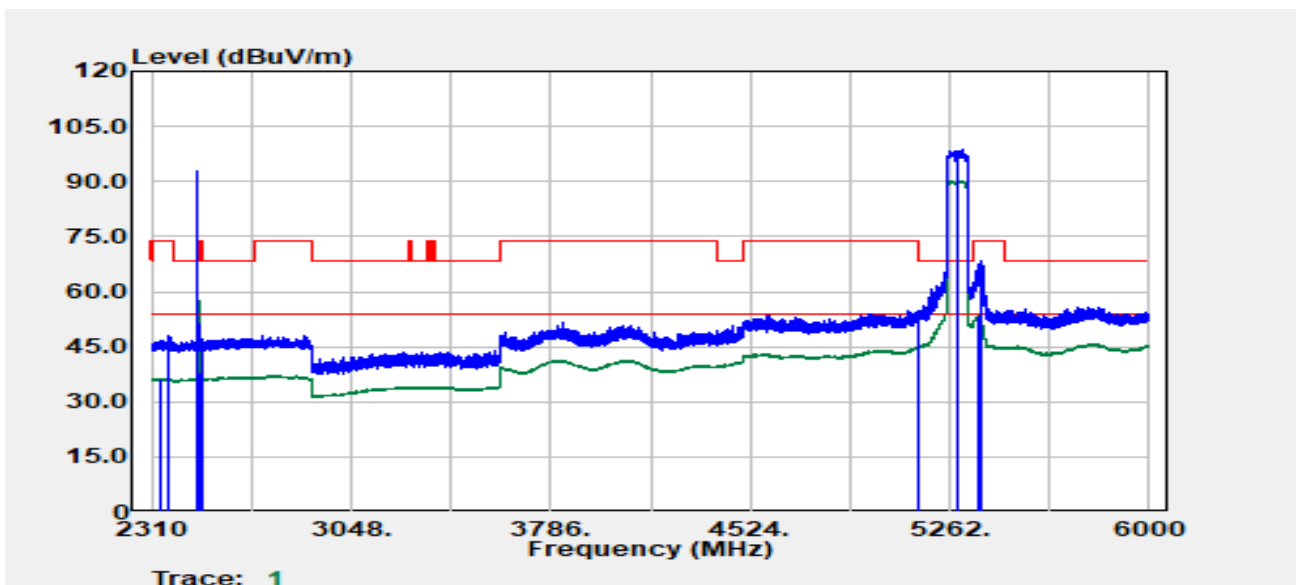


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2347.766	Average	31.60	4.94	36.54	54.00	-17.46
2389.534	Peak	42.76	4.97	47.73	74.00	-26.27
2480.000	Peak	93.41	5.26	98.67	--	--
2480.000	Average	90.32	5.26	95.58	--	--
2483.573	Average	35.90	5.26	41.16	54.00	-12.84
2483.824	Peak	43.34	5.26	48.61	74.00	-25.39
5022.837	Peak	42.42	11.77	54.18	74.00	-19.82
5150.108	Average	31.87	12.16	44.03	54.00	-9.97
5290.000	Peak	84.26	12.13	96.39	--	--
5290.000	Average	75.78	12.13	87.91	--	--
5365.895	Average	39.29	12.19	51.48	54.00	-2.52
5382.147	Peak	52.12	12.25	64.37	74.00	-9.63

Report No.: TMWK2308002691KR

Rev.: 00

Project Number	:TM-2308000057P	Test Date	:2023-09-01
Operation Band	:802.11ac80/Band2_BT EDR	Temp./Humi.	:24.6/58
Frequency	:2480 MHz_5290 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		

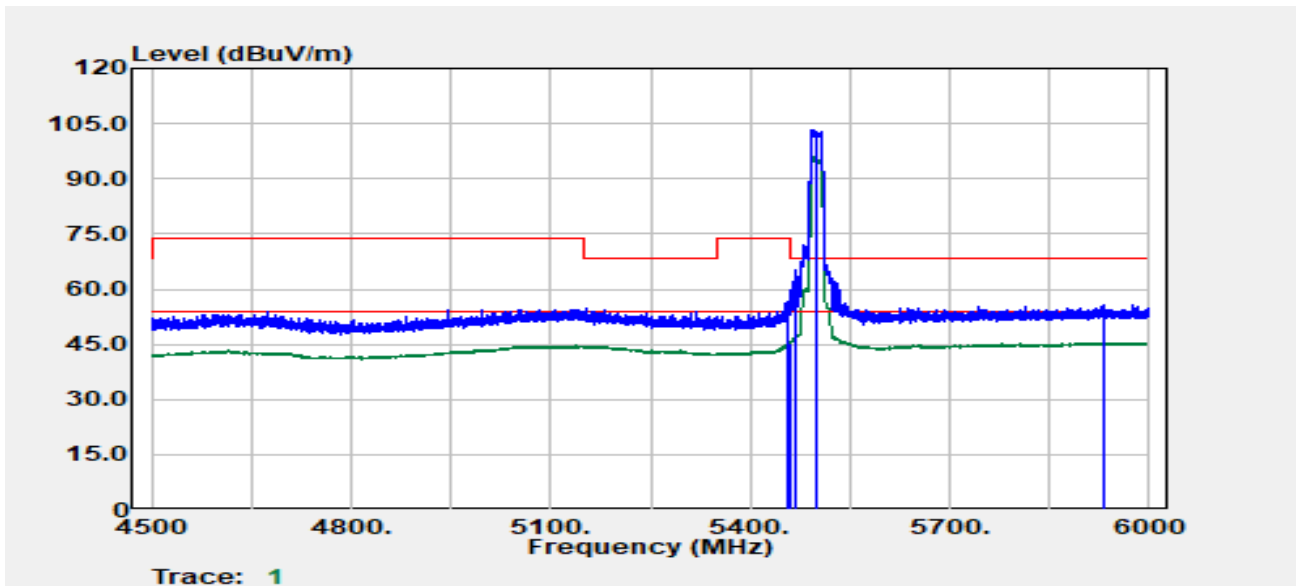


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
2340.513	Average	31.53	4.86	36.39	54.00	-17.61
2373.777	Peak	43.17	4.81	47.98	74.00	-26.02
2480.000	Peak	87.65	5.26	92.91	--	--
2480.000	Average	84.57	5.26	89.83	--	--
2483.573	Average	32.64	5.26	37.90	54.00	-16.10
2493.578	Peak	41.78	5.27	47.06	74.00	-26.94
5144.607	Peak	42.86	12.15	55.01	74.00	-18.99
5145.857	Average	33.02	12.15	45.17	54.00	-8.83
5290.000	Peak	86.68	12.13	98.81	--	--
5290.000	Average	78.16	12.13	90.29	--	--
5368.145	Average	41.38	12.20	53.58	54.00	-0.42
5375.646	Peak	55.92	12.23	68.15	74.00	-5.85

Report No.: TMWK2308002691KR

Rev.: 00

Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11a/Band3	Temp./Humi.	:24.4/57
Frequency	:5500 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



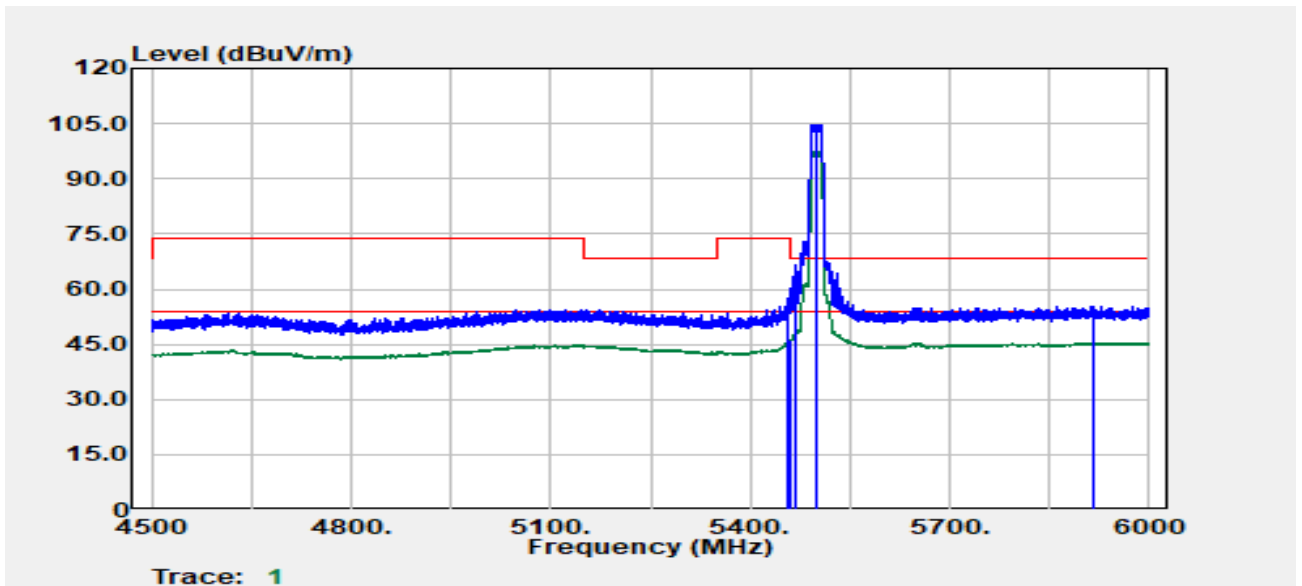
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5457.910	Peak	44.09	12.40	56.49	74.00	-17.51
5459.910	Average	32.89	12.41	45.30	54.00	-8.70
5466.911	Peak	52.87	12.43	65.30	68.20	-2.90
5500.000	Peak	90.85	12.55	103.40	--	--
5500.000	Average	83.45	12.55	96.00	--	--
5930.738	Peak	41.67	14.11	55.78	68.20	-12.42

Report No.: TMWK2308002691KR

Rev.: 00

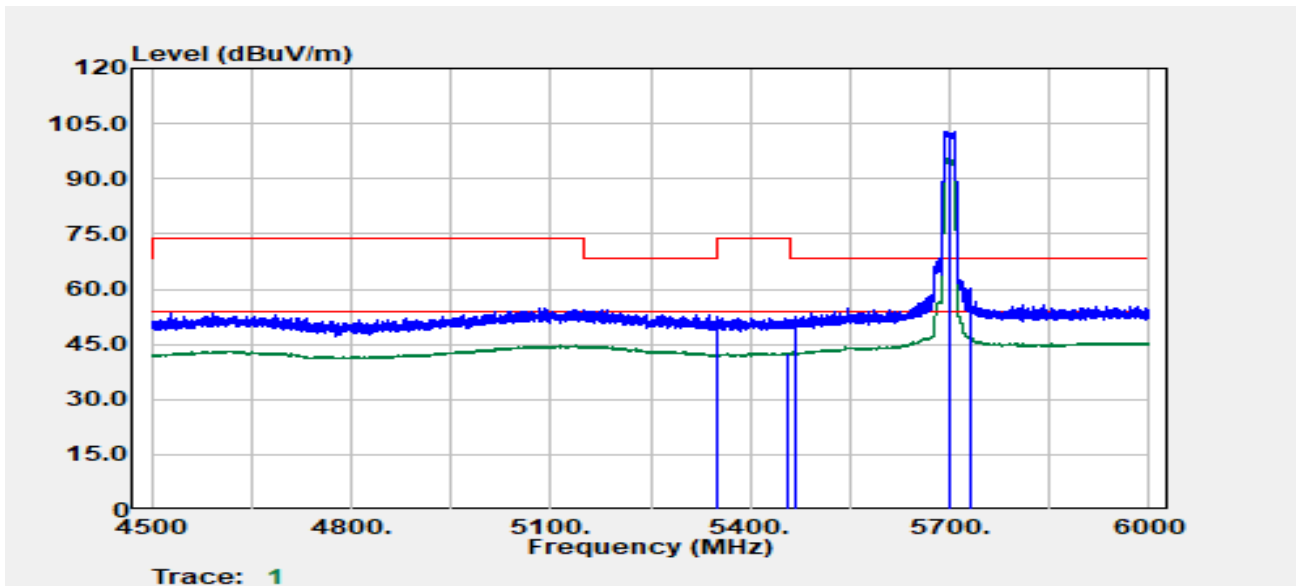
Project Number :TM-2308000057P
 Operation Band :802.11a/Band3
 Frequency :5500 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Tony.Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5454.409	Peak	44.90	12.39	57.29	74.00	-16.71
5459.410	Average	33.63	12.41	46.04	54.00	-7.96
5467.411	Peak	54.05	12.44	66.49	68.20	-1.71
5500.000	Peak	92.18	12.55	104.73	--	--
5500.000	Average	84.85	12.55	97.40	--	--
5916.236	Peak	41.27	14.07	55.34	68.20	-12.86

Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11a/Band3	Temp./Humi.	:24.4/57
Frequency	:5700 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



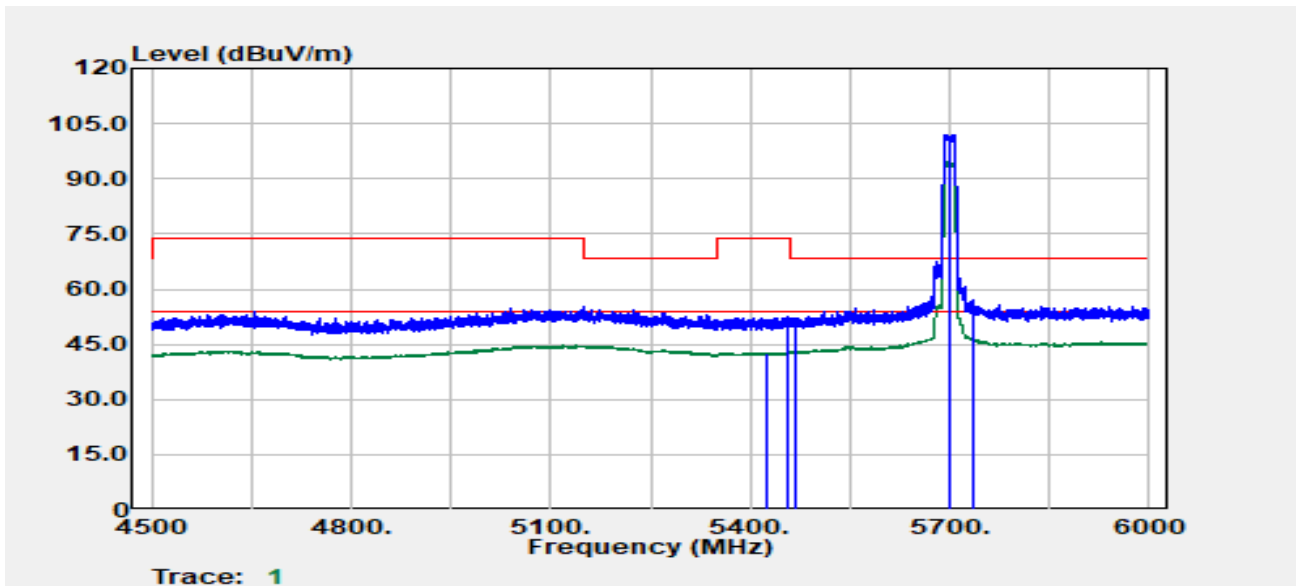
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5351.892	Peak	40.21	12.14	52.35	74.00	-21.65
5456.409	Average	30.19	12.40	42.59	54.00	-11.41
5467.411	Peak	40.21	12.44	52.64	68.20	-15.56
5700.000	Peak	89.33	13.56	102.89	--	--
5700.000	Average	81.92	13.56	95.48	--	--
5731.205	Peak	46.46	13.72	60.18	68.20	-8.02

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11a/Band3
 Frequency :5700 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Tony.Chao
 Test Chamber : 966A

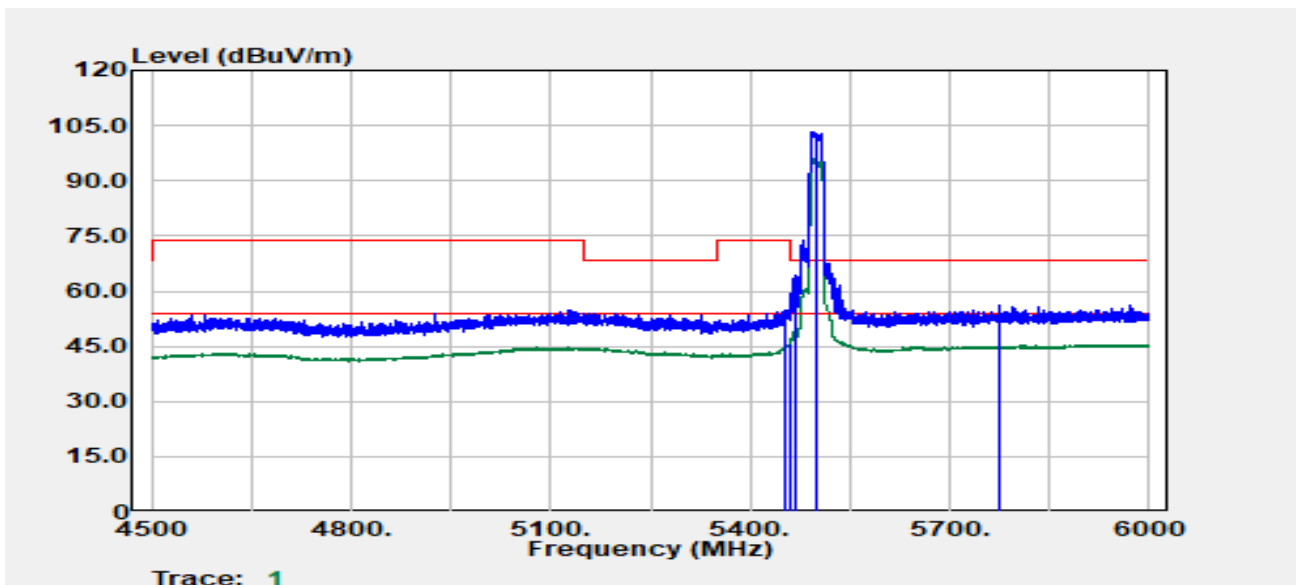


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5423.654	Average	30.36	12.35	42.71	54.00	-11.29
5457.160	Peak	40.11	12.40	52.51	74.00	-21.49
5466.911	Peak	39.72	12.43	52.16	68.20	-16.04
5700.000	Peak	88.52	13.56	102.08	--	--
5700.000	Average	80.96	13.56	94.52	--	--
5737.206	Peak	43.45	13.75	57.21	68.20	-10.99

Report No.: TMWK2308002691KR

Rev.: 00

Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11n20/Band3	Temp./Humi.	:24.4/57
Frequency	:5500 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



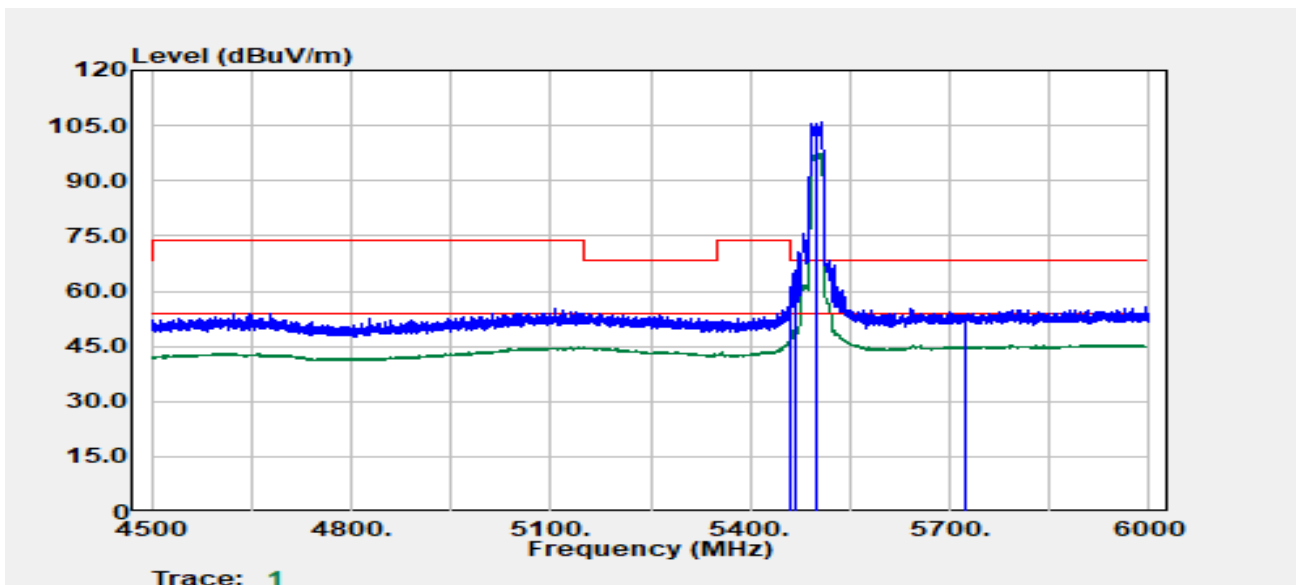
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5454.159	Peak	42.39	12.39	54.78	74.00	-19.22
5459.910	Average	33.43	12.41	45.84	54.00	-8.16
5469.912	Peak	51.87	12.44	64.32	68.20	-3.88
5500.000	Peak	90.86	12.55	103.41	--	--
5500.000	Average	83.43	12.55	95.98	--	--
5774.962	Peak	42.15	13.99	56.14	68.20	-12.06

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n20/Band3
 Frequency :5500 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

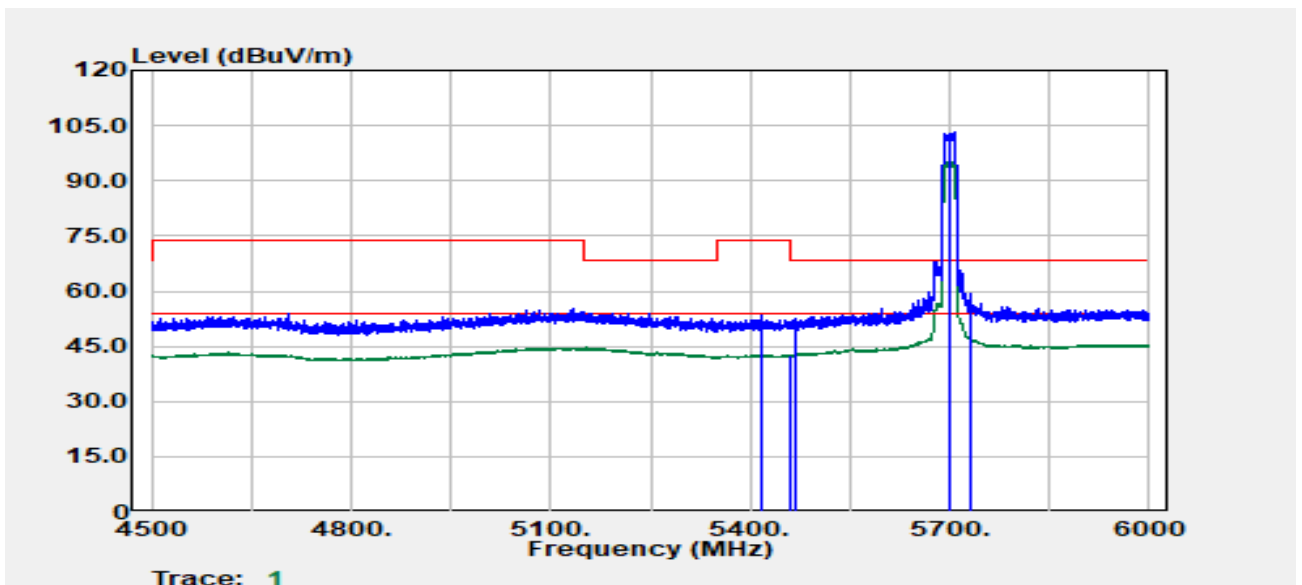
Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5458.410	Peak	43.89	12.40	56.30	74.00	-17.70
5460.000	Average	33.94	12.41	46.35	54.00	-7.65
5467.411	Peak	53.11	12.44	65.54	68.20	-2.66
5500.000	Peak	93.22	12.55	105.77	--	--
5500.000	Average	84.72	12.55	97.27	--	--
5725.000	Peak	38.50	13.69	52.19	68.20	-16.01

Report No.: TMWK2308002691KR

Project Number	:TM-2308000057P	Test Date	:2023-08-29
Operation Band	:802.11n20/Band3	Temp./Humi.	:24.4/57
Frequency	:5700 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Ray.Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



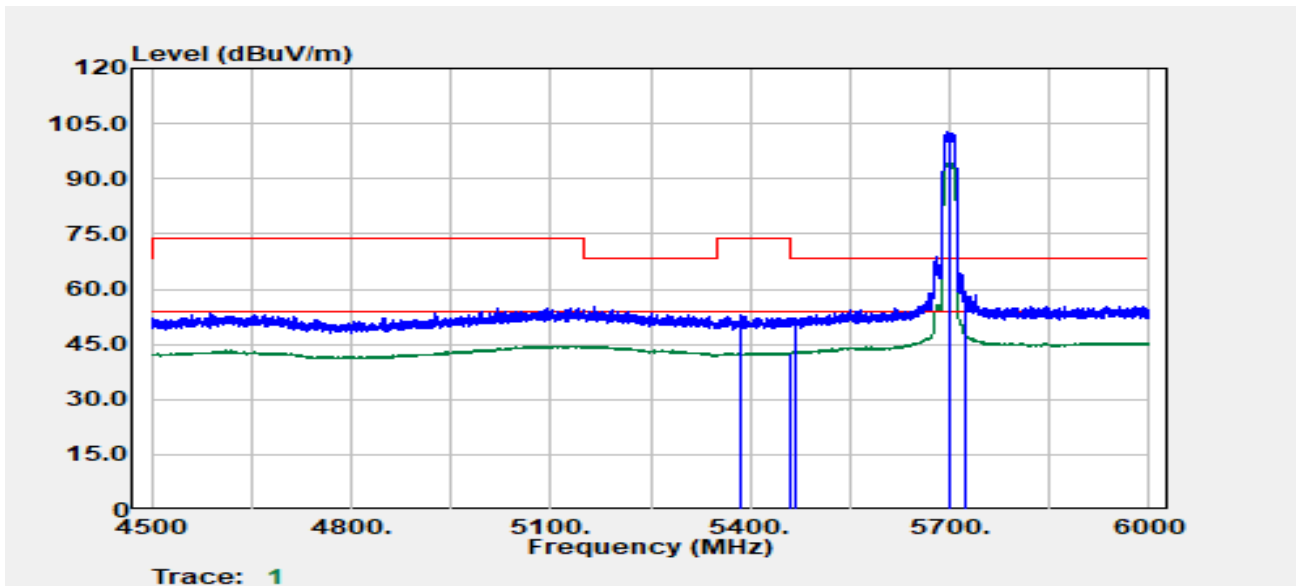
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5415.300	Peak	40.93	12.34	53.27	74.00	-20.73
5460.000	Average	30.22	12.41	42.63	54.00	-11.37
5466.300	Peak	40.18	12.43	52.61	68.20	-15.59
5700.000	Peak	89.77	13.56	103.33	--	--
5700.000	Average	81.78	13.56	95.34	--	--
5731.800	Peak	45.74	13.73	59.47	68.20	-8.73

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n20/Band3
 Frequency :5700 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A



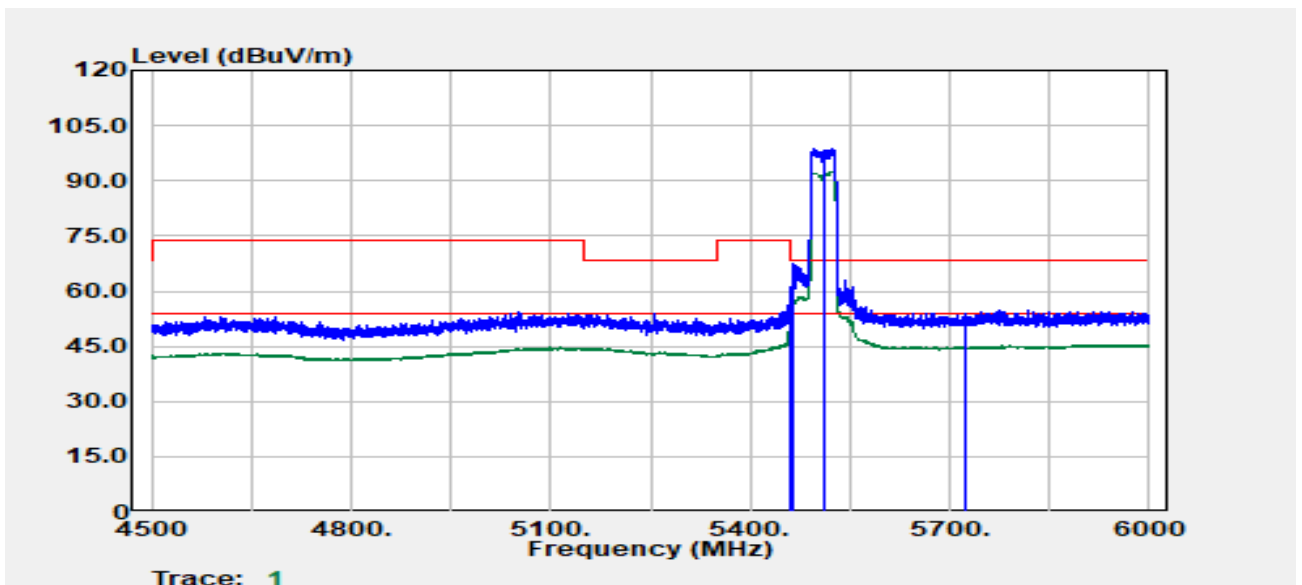
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5384.700	Peak	40.92	12.26	53.18	74.00	-20.82
5459.700	Average	30.34	12.41	42.75	54.00	-11.25
5466.600	Peak	39.70	12.43	52.13	68.20	-16.07
5700.000	Peak	89.10	13.56	102.66	--	--
5700.000	Average	80.90	13.56	94.46	--	--
5725.200	Peak	45.67	13.69	59.36	68.20	-8.84

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band3
 Frequency :5510 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Ray.Li
 Test Chamber : 966A



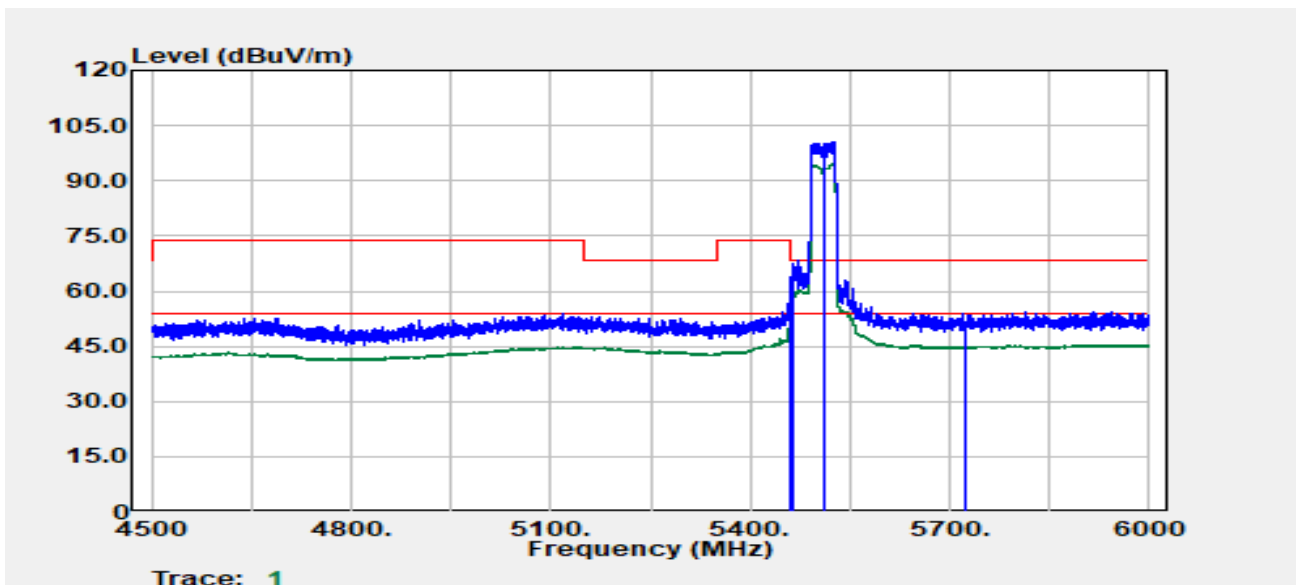
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5460.000	Peak	46.95	12.41	59.36	68.20	-8.84
5460.000	Average	38.64	12.41	51.05	54.00	-2.95
5465.100	Peak	55.00	12.43	67.43	68.20	-0.77
5510.000	Peak	86.07	12.62	98.70	--	--
5510.000	Average	79.83	12.62	92.45	--	--
5725.000	Peak	37.47	13.69	51.16	68.20	-17.04

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band3
 Frequency :5510 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A



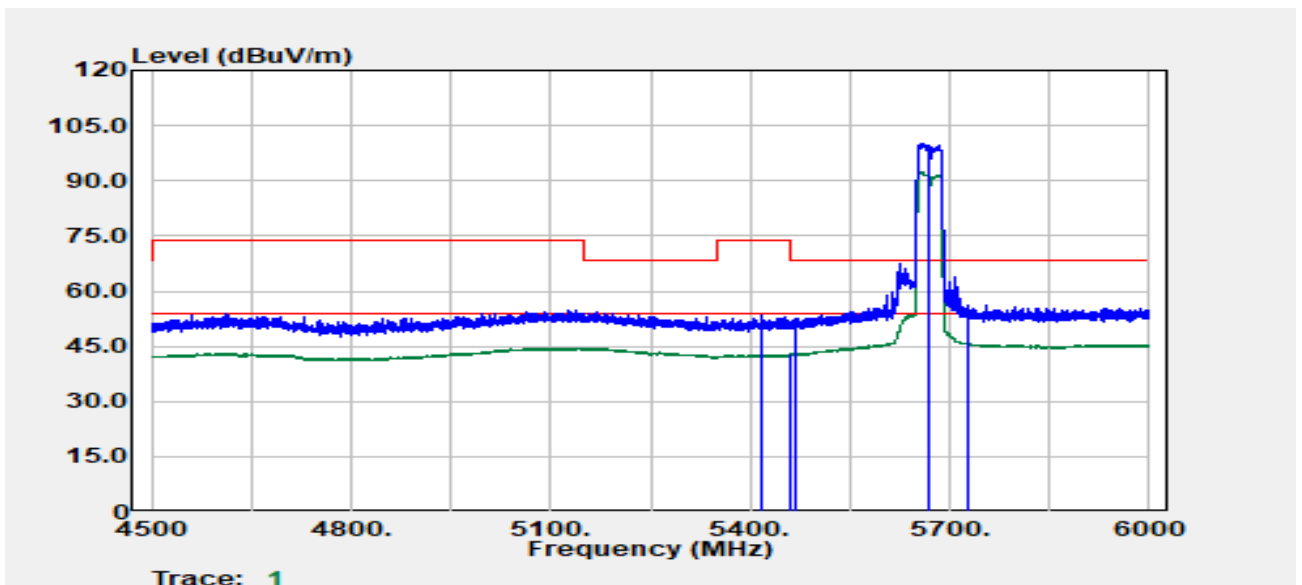
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5459.700	Peak	49.46	12.41	61.86	74.00	-12.14
5460.000	Average	40.51	12.41	52.92	54.00	-1.08
5465.400	Peak	54.82	12.43	67.25	68.20	-0.95
5510.000	Peak	88.08	12.62	100.70	--	--
5510.000	Average	81.96	12.62	94.58	--	--
5725.000	Peak	36.77	13.69	50.46	68.20	-17.74

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band3
 Frequency :5670 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Ray.Li
 Test Chamber : 966A



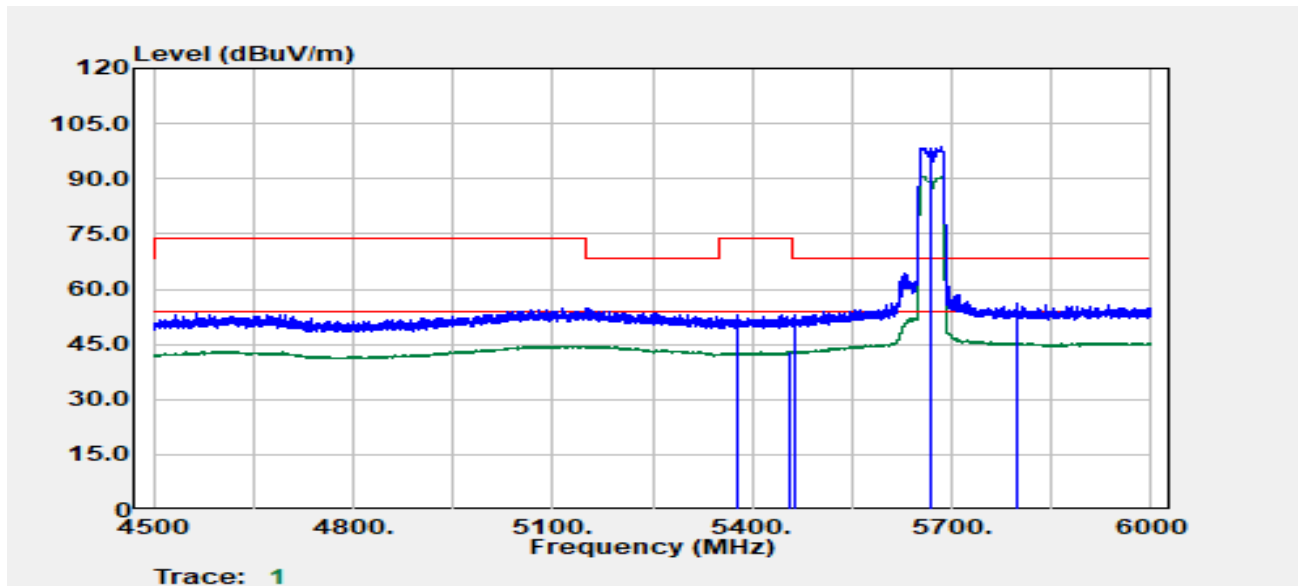
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5416.500	Peak	40.88	12.34	53.22	74.00	-20.78
5459.400	Average	30.42	12.41	42.83	54.00	-11.17
5469.300	Peak	40.09	12.44	52.53	68.20	-15.67
5670.000	Peak	86.64	13.39	100.03	--	--
5670.000	Average	78.91	13.39	92.30	--	--
5728.500	Peak	42.39	13.71	56.10	68.20	-12.10

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11n40/Band3
 Frequency :5670 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :

Test Date :2023-08-29
 Temp./Humi. :24.4/57
 Antenna Pol. :HORIZONTAL
 Engineer :Ray.Li
 Test Chamber : 966A



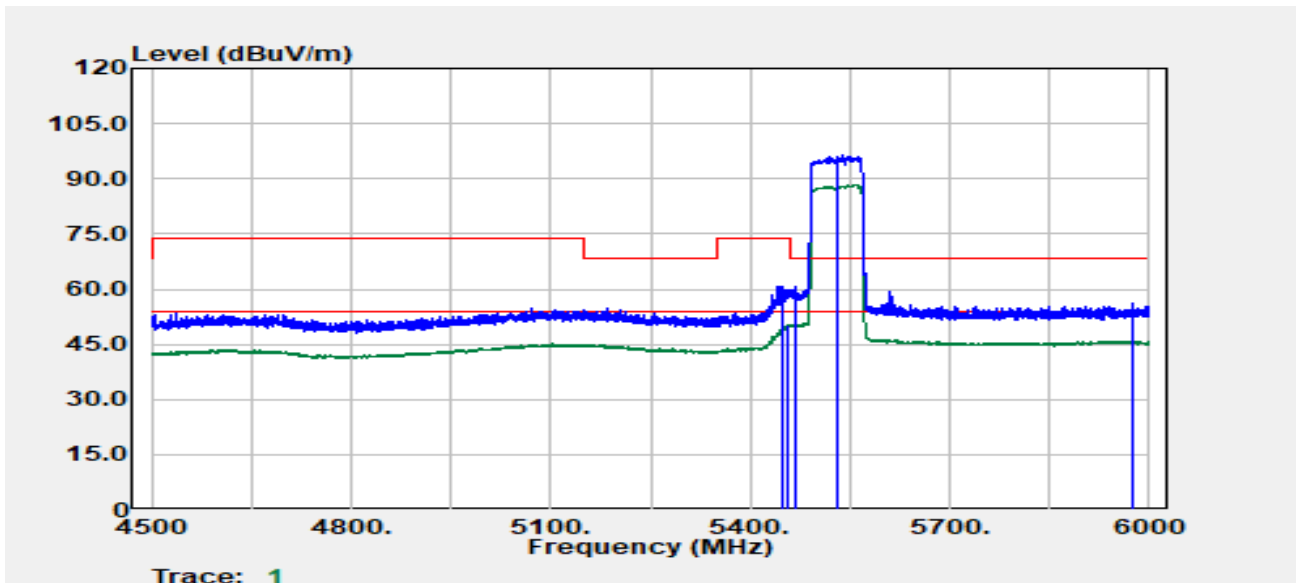
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5378.700	Peak	40.94	12.24	53.18	74.00	-20.82
5457.600	Average	30.46	12.40	42.86	54.00	-11.14
5463.000	Peak	40.54	12.42	52.96	68.20	-15.24
5670.000	Peak	85.18	13.39	98.57	--	--
5670.000	Average	77.35	13.39	90.74	--	--
5796.600	Peak	41.80	14.14	55.93	68.20	-12.27

Report No.: TMWK2308002691KR

Rev.: 00

Project Number :TM-2308000057P
 Operation Band :802.11ac80/Band3
 Frequency :5530 MHz
 Operation Mode :Bandedge
 EUT Pol :E2
 Setting :51

Test Date :2023-08-30
 Temp./Humi. :24.4/57
 Antenna Pol. :VERTICAL
 Engineer :Ray.Li
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
5449.200	Peak	48.29	12.37	60.67	74.00	-13.33
5456.400	Average	37.76	12.40	50.16	54.00	-3.84
5468.400	Peak	48.15	12.44	60.59	68.20	-7.61
5530.000	Peak	83.48	12.77	96.25	--	--
5530.000	Average	75.59	12.77	88.36	--	--
5976.000	Peak	41.80	14.15	55.95	68.20	-12.25