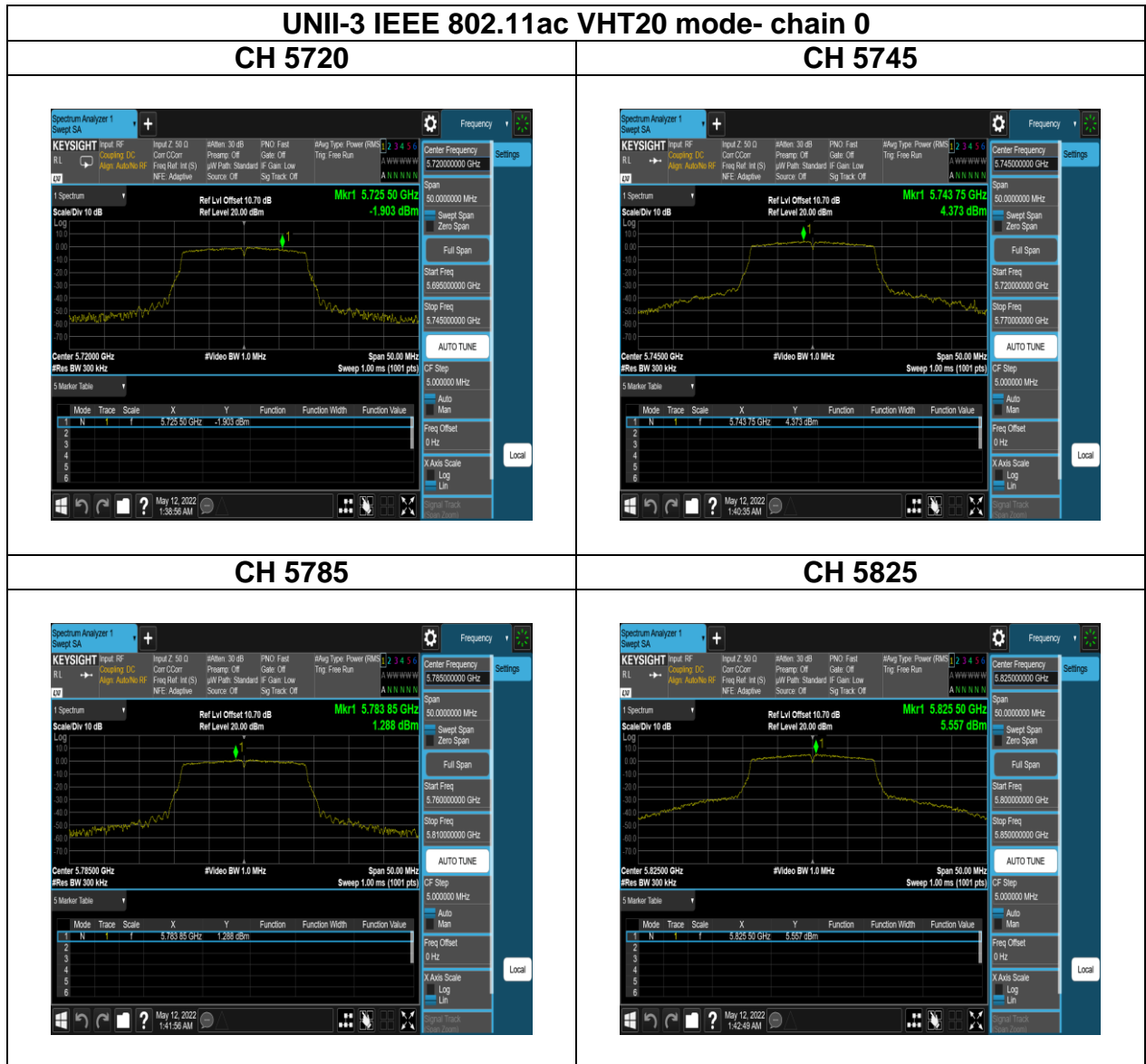
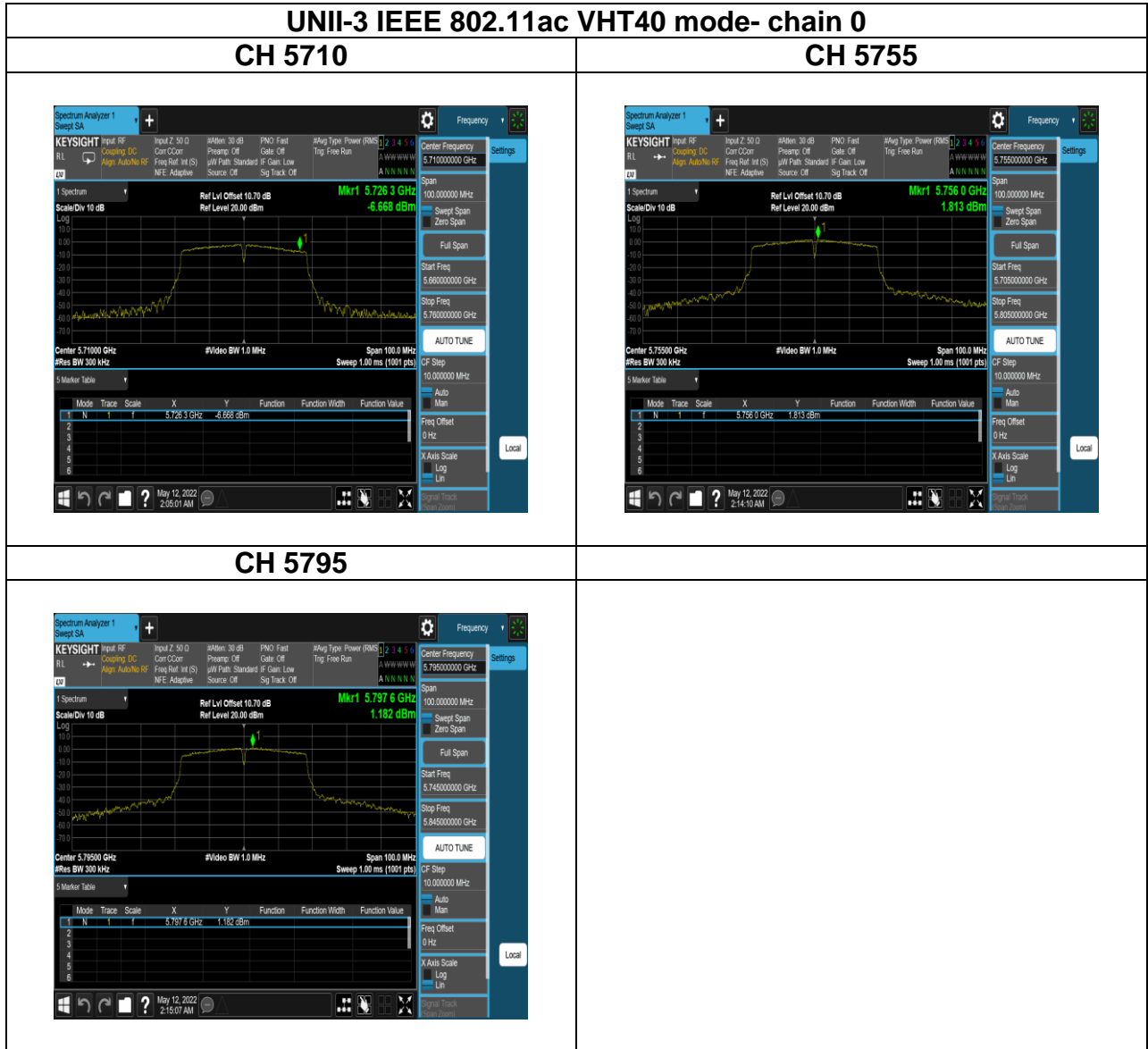


Report No.: TMWK2201000111KR

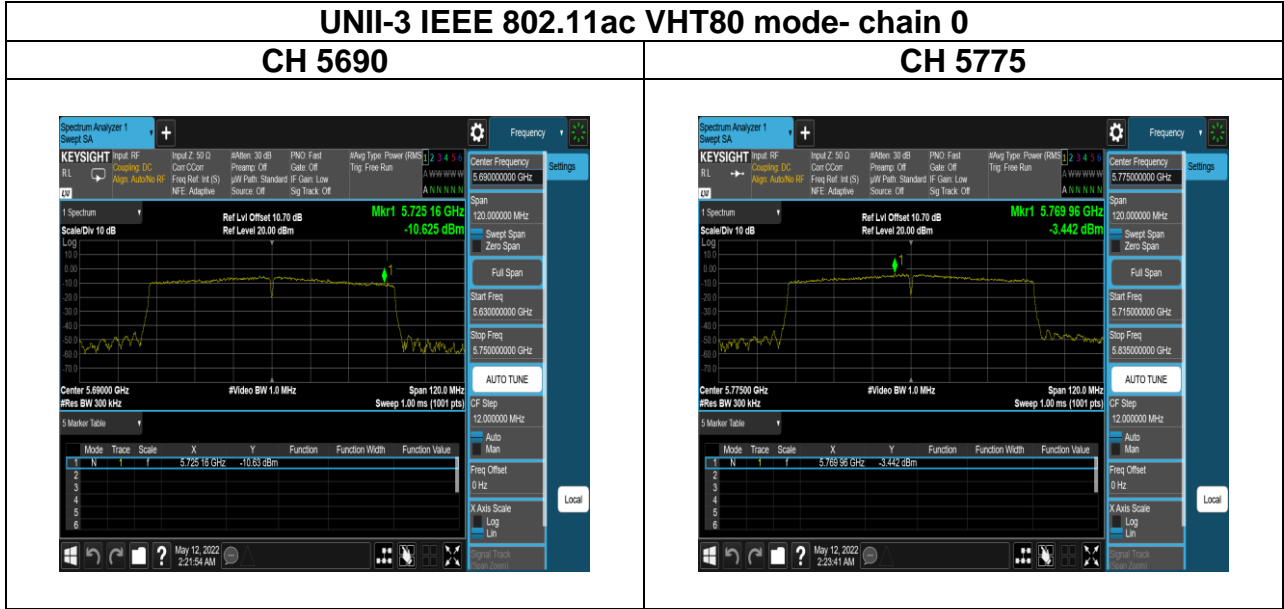
Test Plots



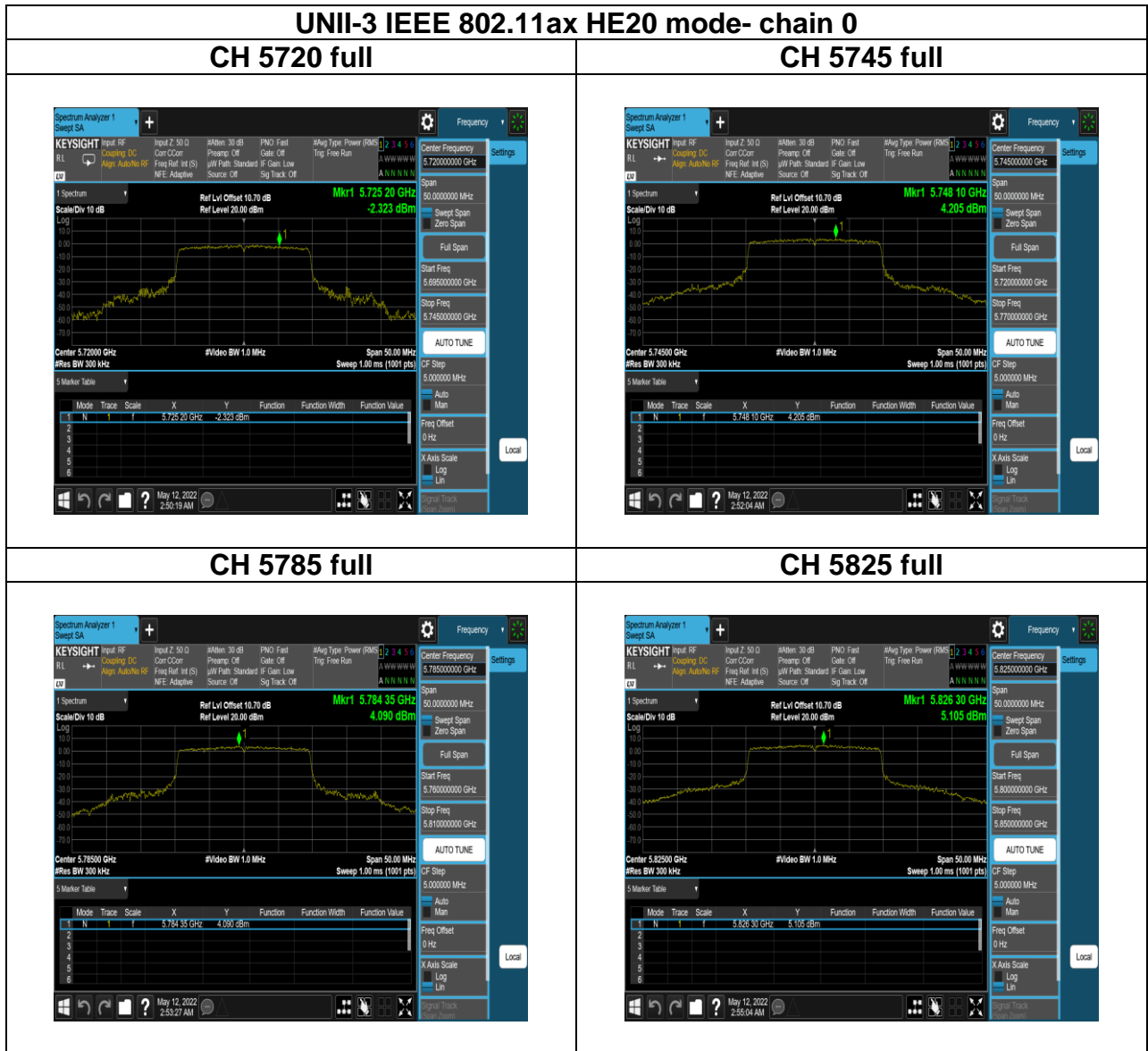
Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR

UNII-3 IEEE 802.11ax HE40 mode- chain 0

CH 5710 full



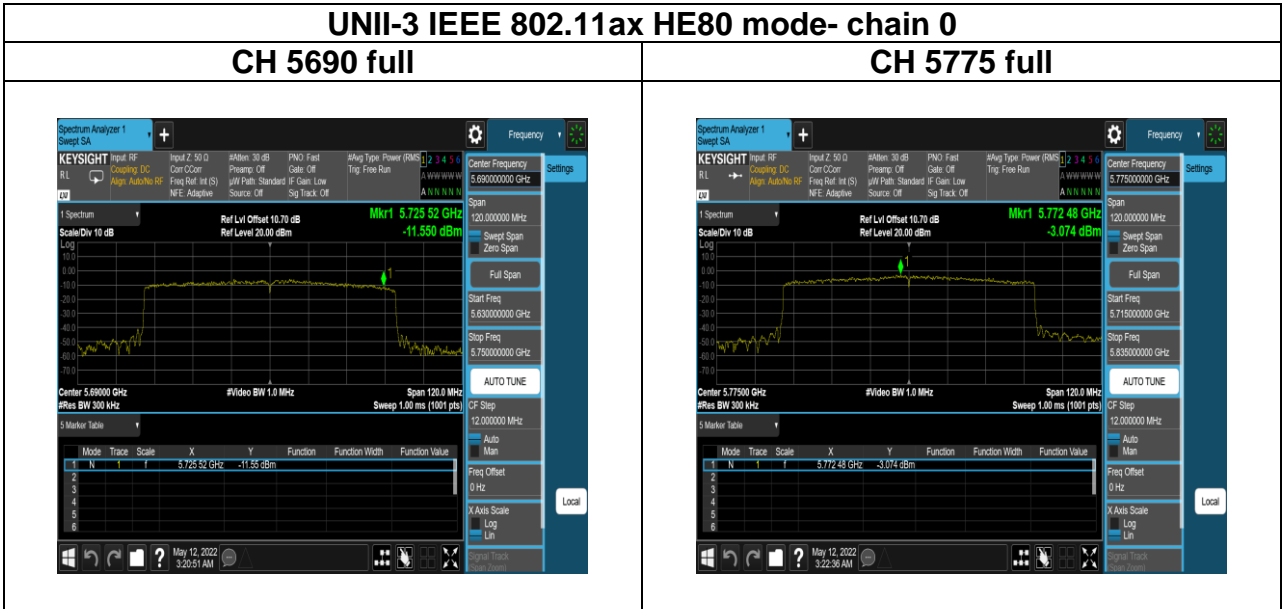
CH 5755 full



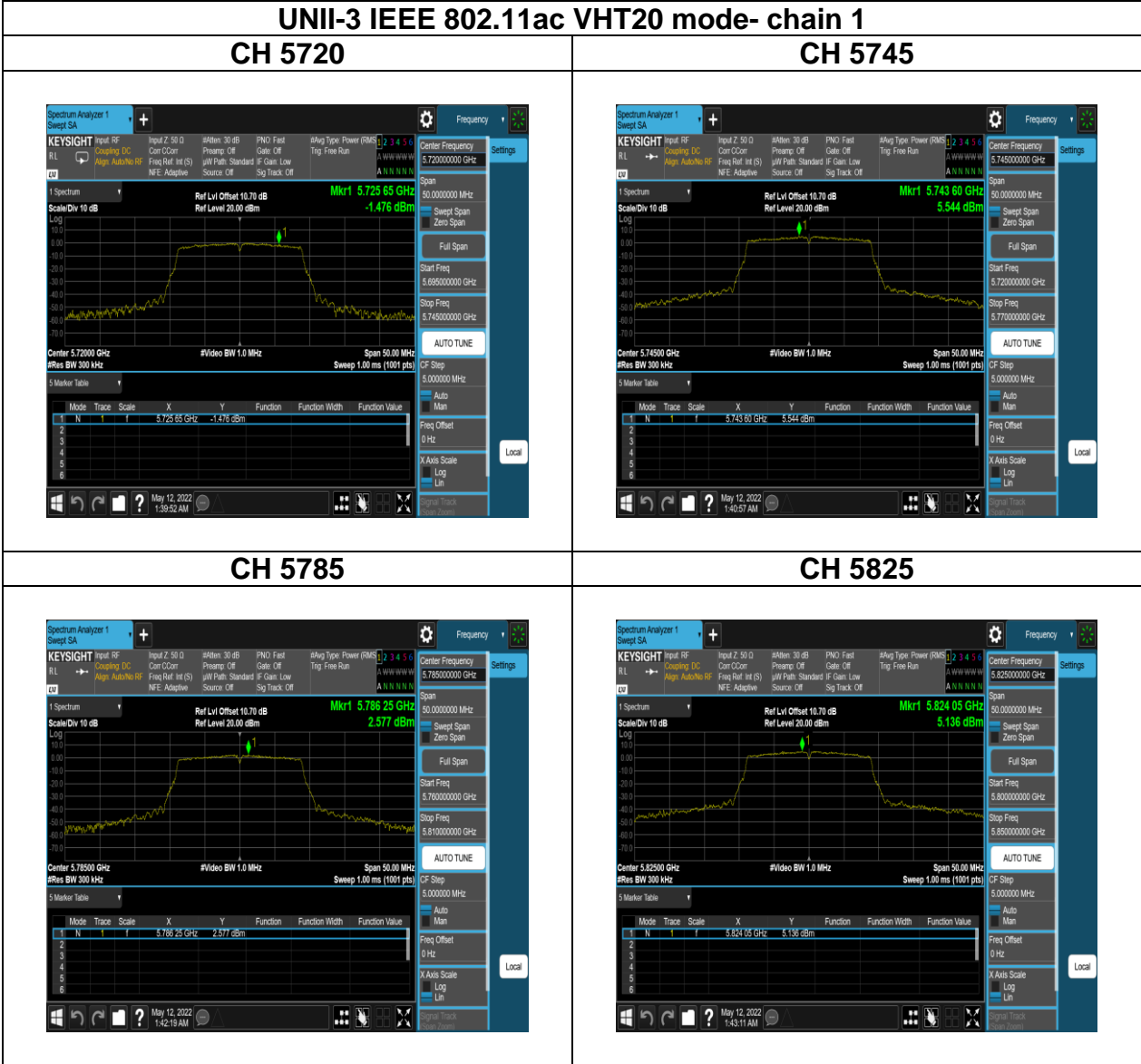
CH 5795 full



Report No.: TMWK2201000111KR



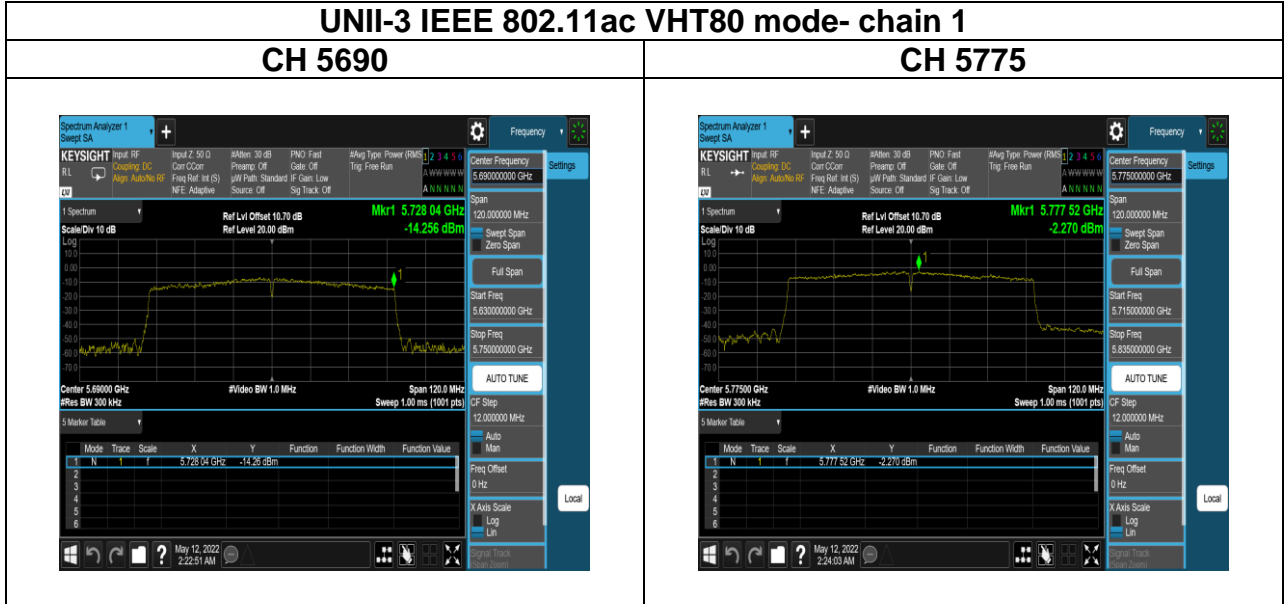
Report No.: TMWK2201000111KR



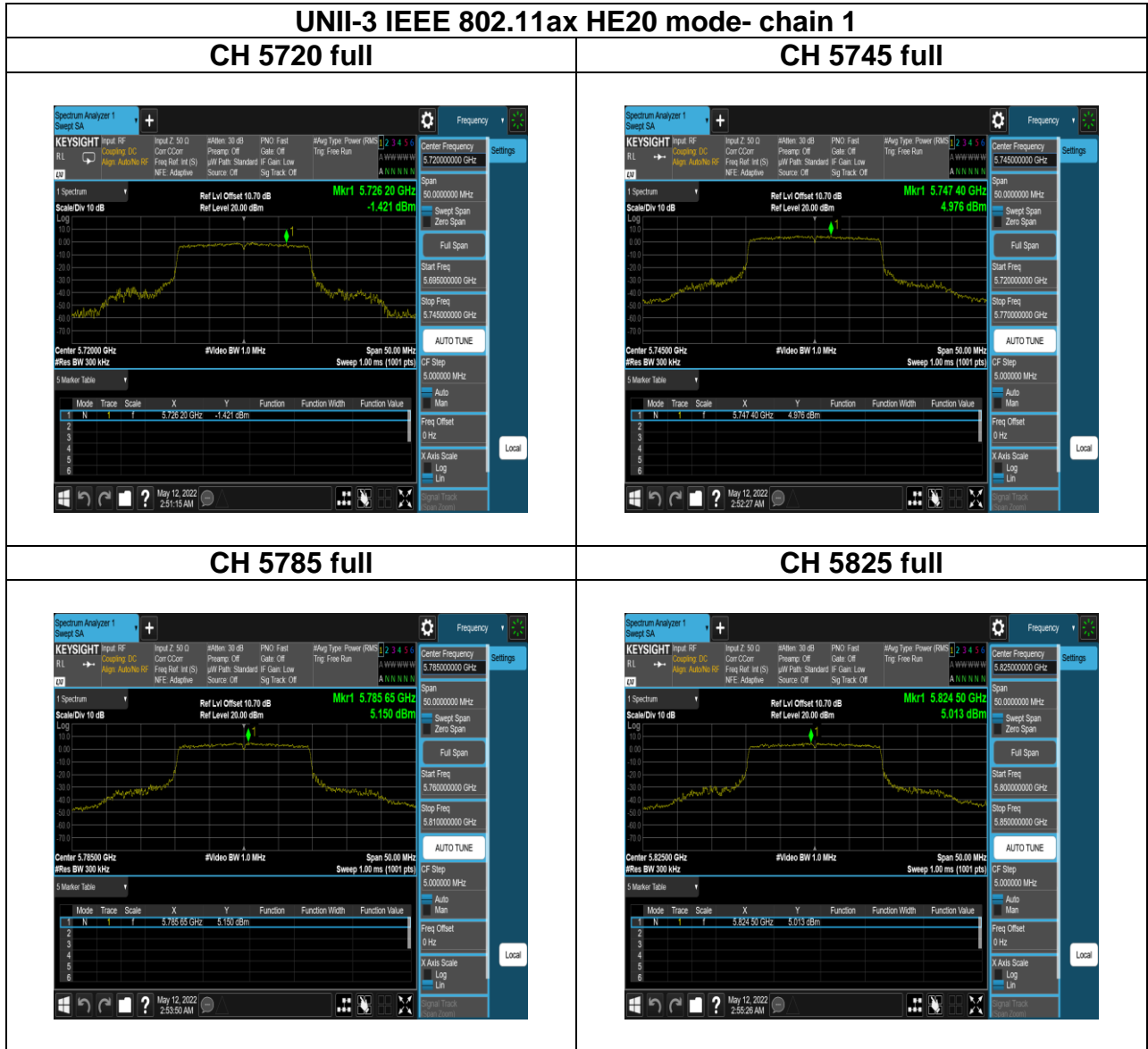
Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR

UNII-3 IEEE 802.11ax HE40 mode- chain 1

CH 5710 full



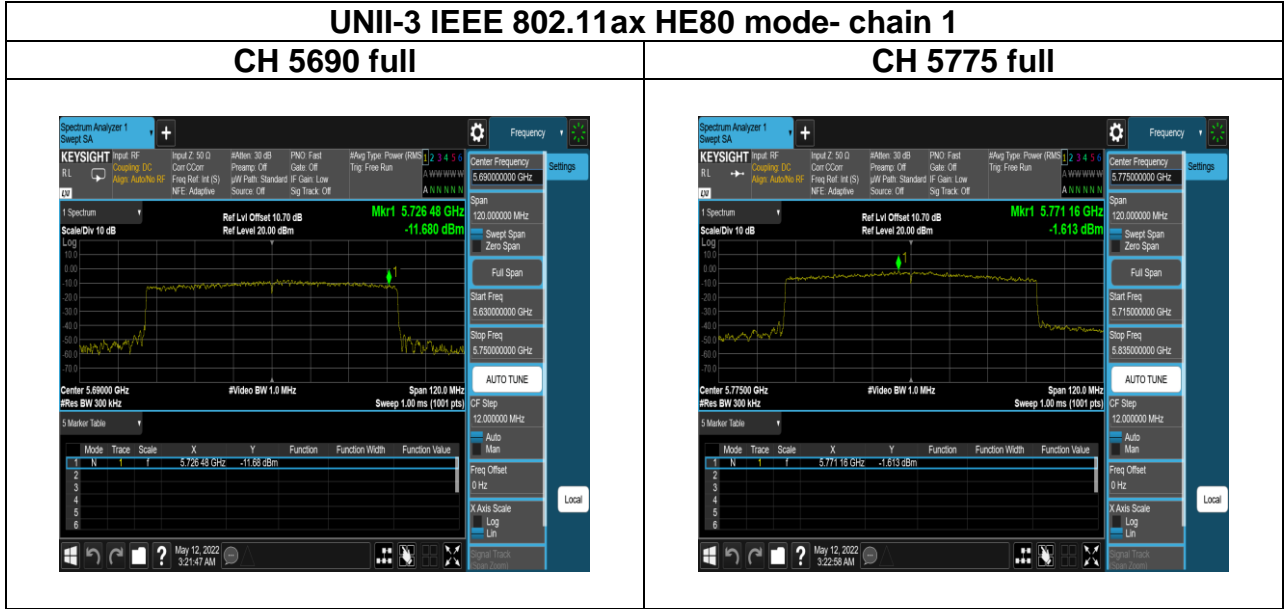
CH 5755 full



CH 5795 full



Report No.: TMWK2201000111KR



Report No.: TMWK2201000111KR

4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

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

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)

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-3:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Report No.: TMWK2201000111KR

4.5.2 Test Procedure

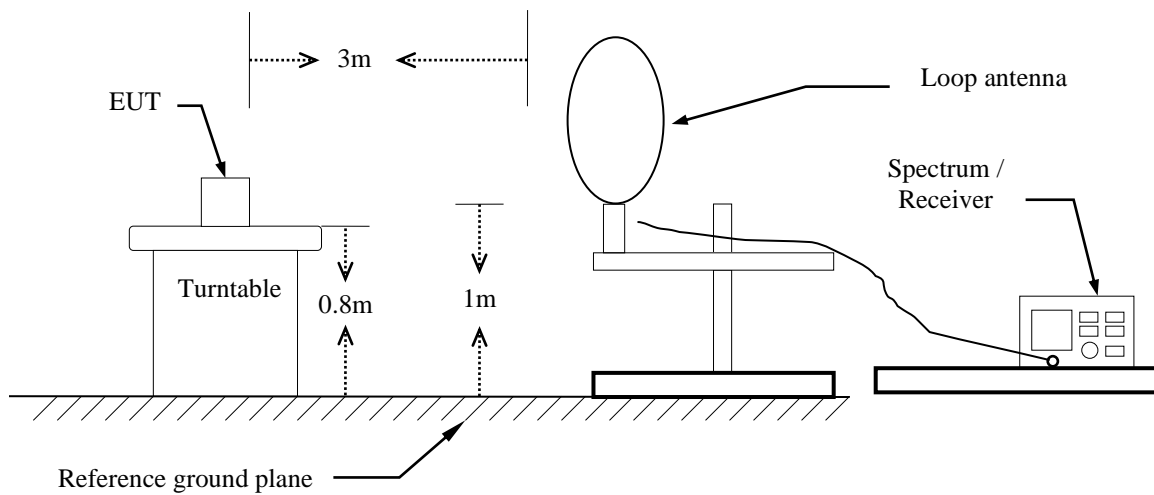
Test method Refer as KDB 789033 D02.

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 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)
5. The SA setting following :
 - (1) Below 1G : RBW = 100kHz, VBW $\geq 3 \cdot$ 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.

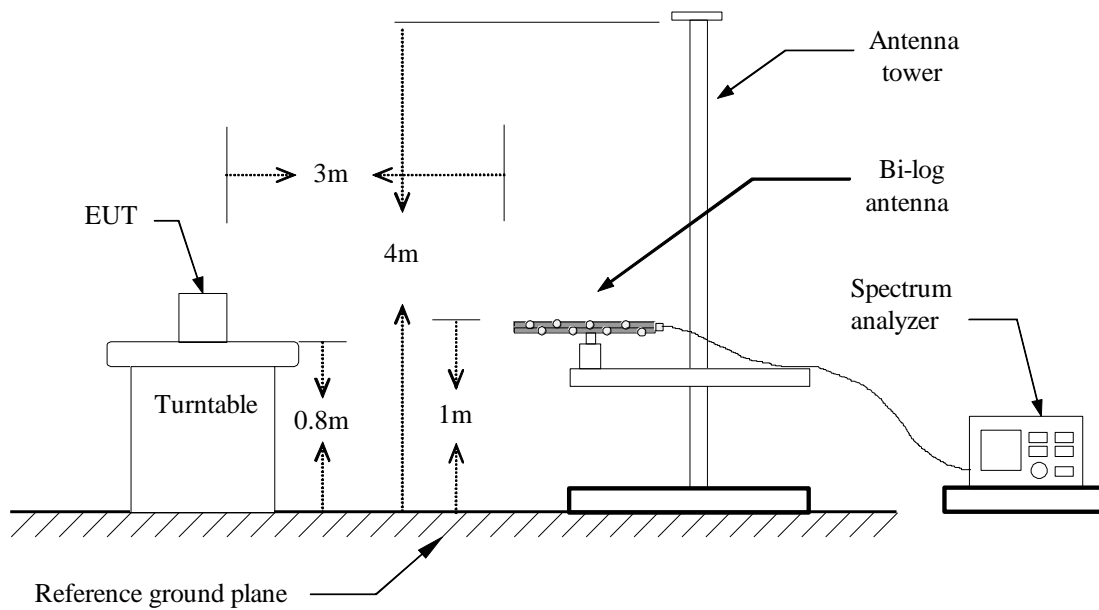
Report No.: TMWK2201000111KR

4.5.3 Test Setup

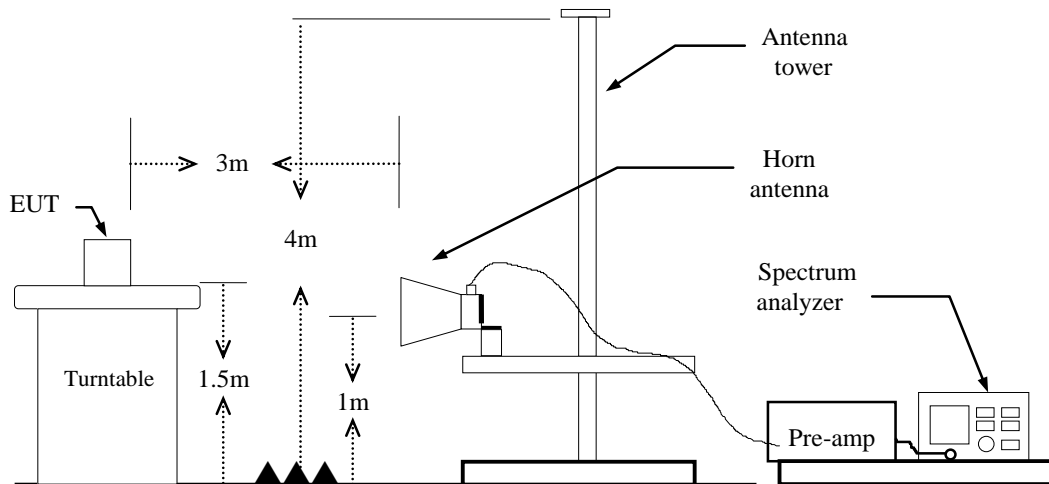
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz



Report No.: TMWK2201000111KR

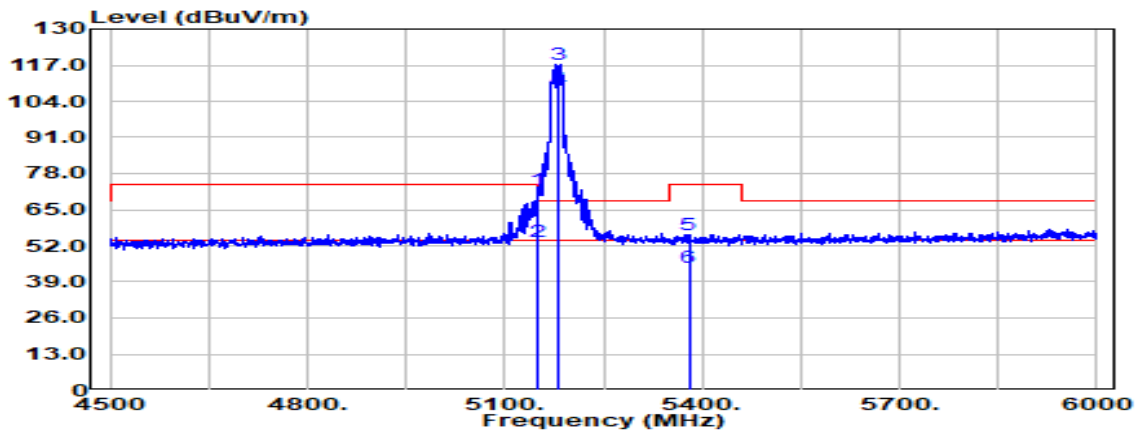
4.5.4 Test Result

Band Edge Test Data

BFM OFF

Test Data for UNII-1

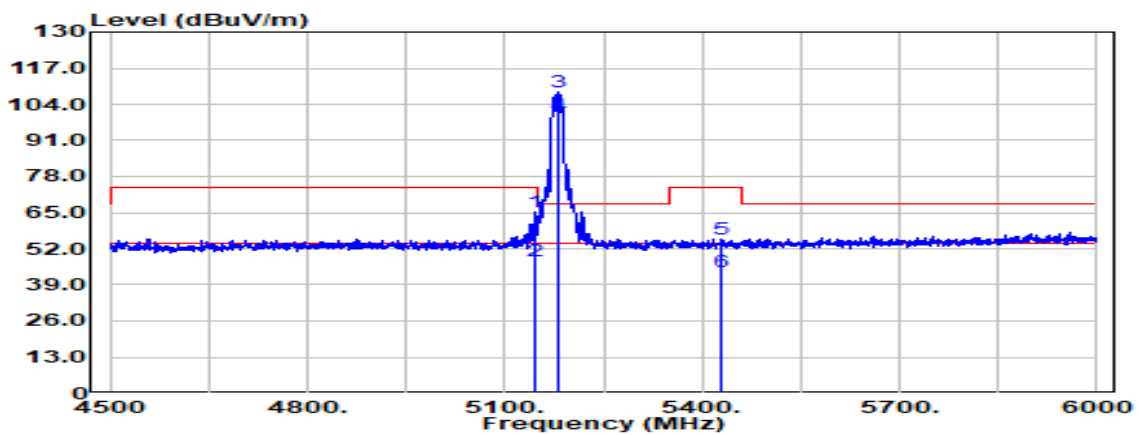
Test Mode	IEEE 802.11a / 5180MHz	Temp/Hum	20.6(°C)/ 56%RH
Test Item	Band Edge	Test Date	March 21, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5148.750	Peak	53.18	19.00	72.18	74.00	-1.82
5148.750	Average	34.24	19.00	53.23	54.00	-0.77
5180.000	Peak	98.04	19.19	117.24	-	-
5180.000	Average	89.36	19.19	108.56	-	-
5379.750	Peak	36.14	19.96	56.10	74.00	-17.90
5379.750	Average	24.20	19.96	44.16	54.00	-9.84

Report No.: TMWK2201000111KR

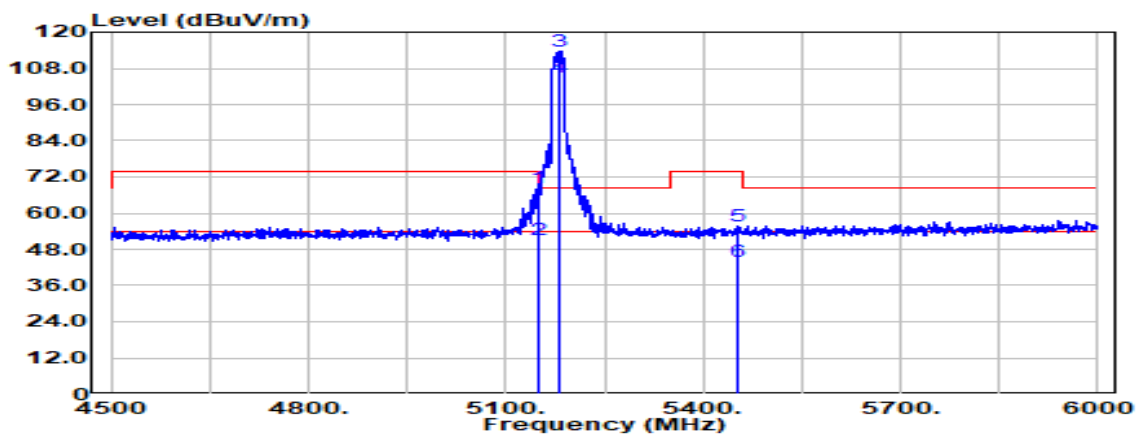
Test Mode	IEEE 802.11a / 5180MHz	Temp/Hum	20.6(°C) / 56%RH
Test Item	Band Edge	Test Date	March 21, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5145.000	Peak	46.24	18.98	65.23	74.00	-8.77
5145.000	Average	28.39	18.98	47.38	54.00	-6.62
5180.000	Peak	89.46	19.19	108.65	-	-
5180.000	Average	81.02	19.19	100.21	-	-
5427.750	Peak	35.46	20.07	55.53	74.00	-18.47
5427.750	Average	23.77	20.07	43.83	54.00	-10.17

Report No.: TMWK2201000111KR

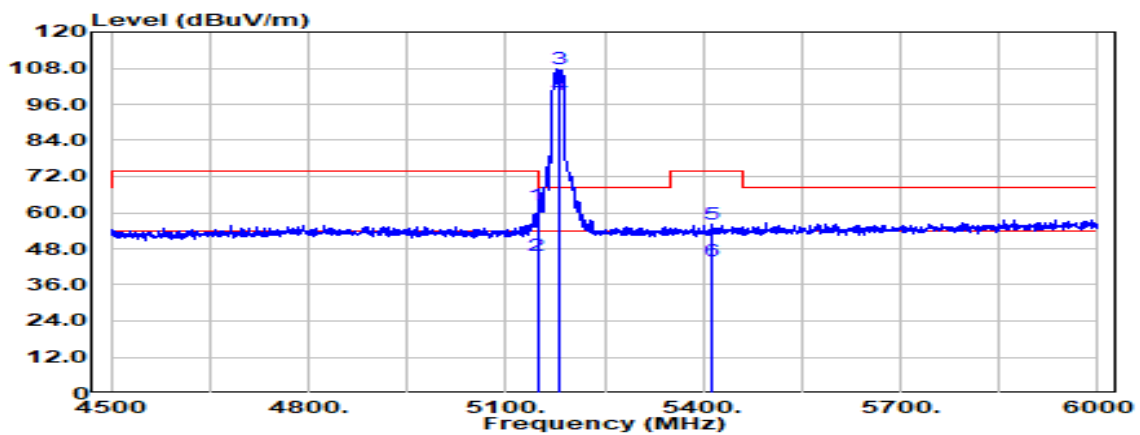
Test Mode	IEEE 802.11ac VHT20 / 5180MHz	Temp/Hum	22.5(°C)/ 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Vertical	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
5149.500	Peak	49.56	19.00	68.56	74.00	-5.44
5149.500	Average	32.07	19.00	51.07	54.00	-2.93
5180.000	Peak	94.39	19.19	113.58	-	-
5180.000	Average	85.79	19.19	104.98	-	-
5451.000	Peak	35.55	20.07	55.61	74.00	-18.39
5451.000	Average	23.78	20.07	43.85	54.00	-10.15

Report No.: TMWK2201000111KR

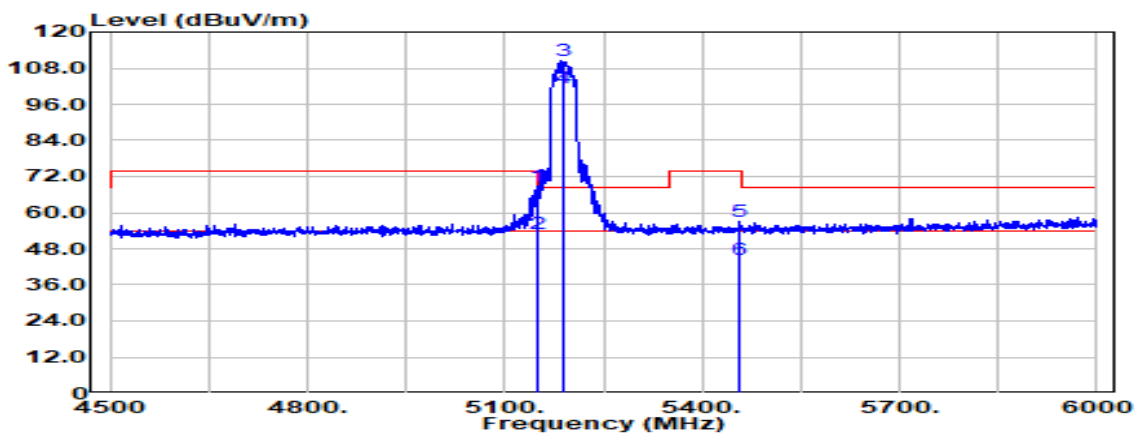
Test Mode	IEEE 802.11 ac VHT20 / 5180MHz	Temp/Hum	22.5(°C)/ 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Horizontal	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dB μ V)	Factor (dB)	Actual FS (dB μ V/m)	Limit @3m (dB μ V/m)	Margin (dB)
5148.000	Peak	43.37	18.99	62.36	74.00	-11.64
5148.000	Average	26.87	18.99	45.87	54.00	-8.13
5180.000	Peak	88.40	19.19	107.59	-	-
5180.000	Average	80.09	19.19	99.29	-	-
5415.000	Peak	36.00	20.06	56.06	74.00	-17.94
5415.000	Average	23.71	20.06	43.77	54.00	-10.23

Report No.: TMWK2201000111KR

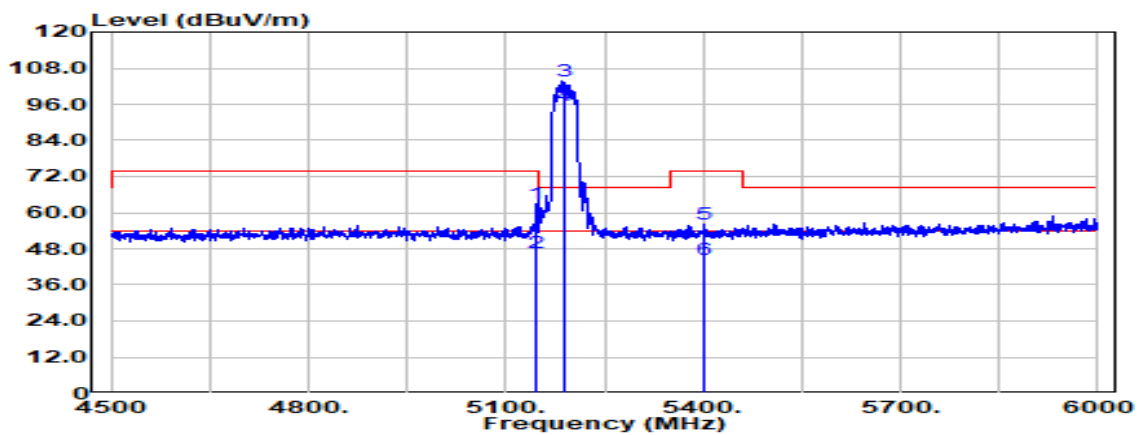
Test Mode	IEEE 802.11 ac VHT40 / 5190MHz	Temp/Hum	22.5(°C) / 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Vertical	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5149.500	Peak	49.70	19.00	68.70	74.00	-5.30
5149.500	Average	33.77	19.00	52.77	54.00	-1.23
5190.000	Peak	91.13	19.26	110.39	-	-
5190.000	Average	82.30	19.26	101.56	-	-
5457.000	Peak	36.94	20.06	57.00	74.00	-17.00
5457.000	Average	24.50	20.06	44.57	54.00	-9.43

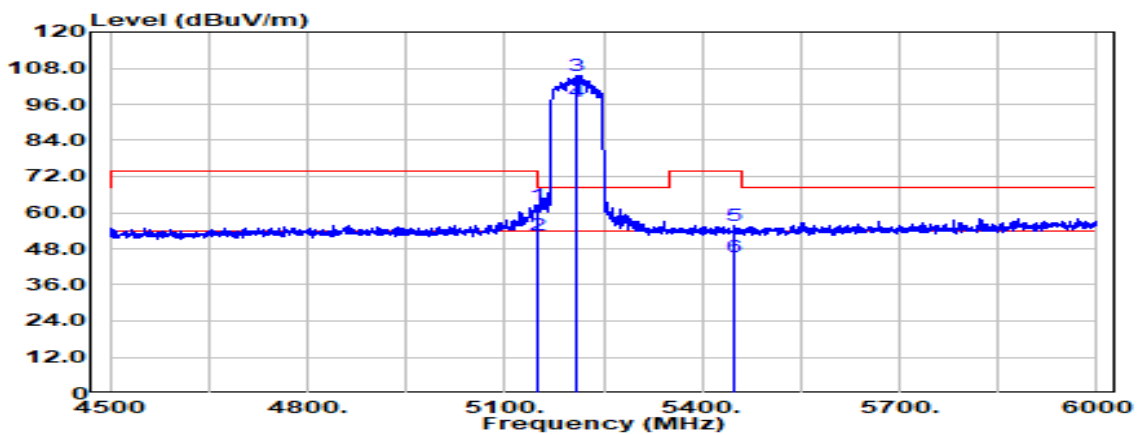
Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11 ac VHT40 / 5190MHz	Temp/Hum	22.5(°C)/ 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Horizontal	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5145.000	Peak	43.99	18.98	62.98	74.00	-11.02
5145.000	Average	27.65	18.98	46.64	54.00	-7.36
5190.000	Peak	84.26	19.26	103.52	-	-
5190.000	Average	76.10	19.26	95.35	-	-
5402.250	Peak	35.93	20.06	55.99	74.00	-18.01
5402.250	Average	24.12	20.06	44.18	54.00	-9.82

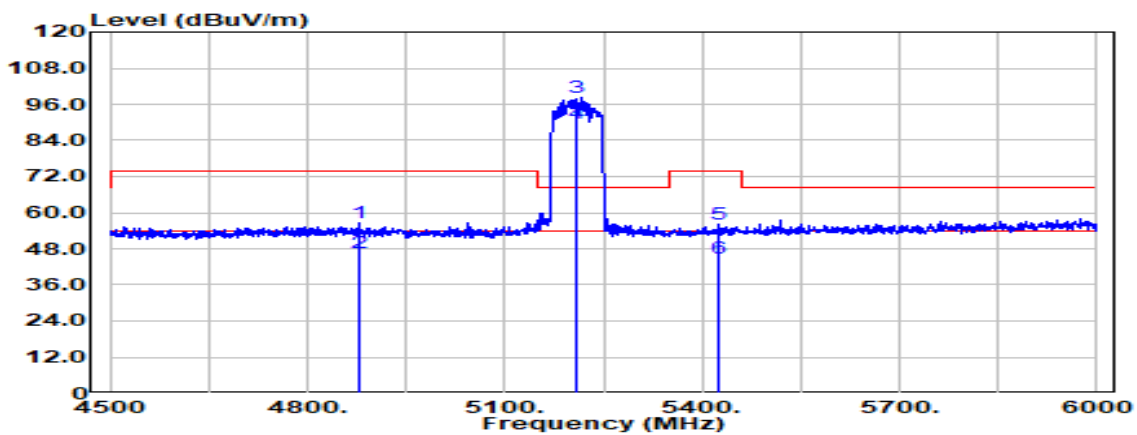
Test Mode	IEEE 802.11ac VHT80 / 5210MHz	Temp/Hum	21.4(°C) / 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
5149.500	Peak	43.70	19.00	62.70	74.00	-11.30
5149.500	Average	33.45	19.00	52.45	54.00	-1.55
5210.000	Peak	86.16	19.39	105.55	-	-
5210.000	Average	77.57	19.39	96.95	-	-
5450.250	Peak	35.62	20.07	55.69	74.00	-18.31
5450.250	Average	25.12	20.07	45.19	54.00	-8.81

Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ac VHT80 / 5210MHz	Temp/Hum	21.4(°C)/ 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

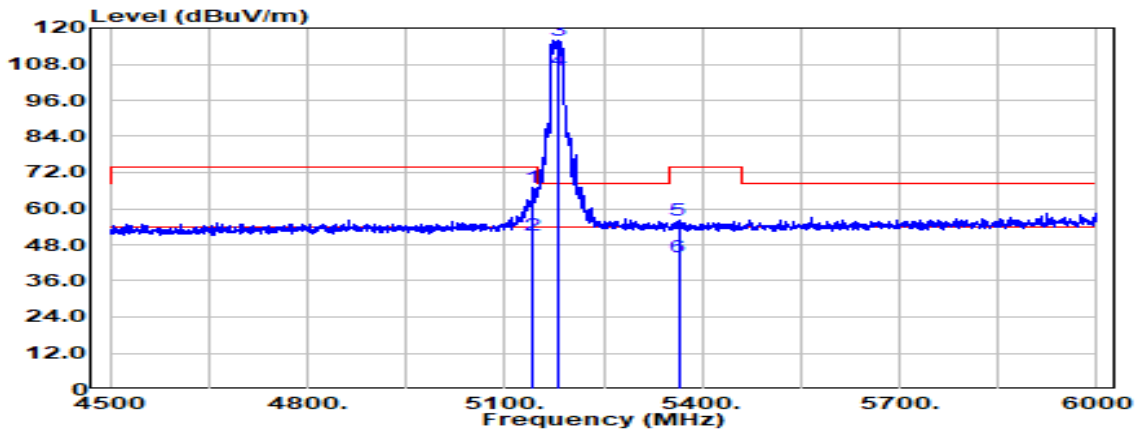


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4879.500	Peak	37.96	18.59	56.55	74.00	-17.45
4879.500	Average	28.19	18.59	46.78	54.00	-7.22
5210.000	Peak	78.93	19.39	98.31	-	-
5210.000	Average	70.29	19.39	89.68	-	-
5424.750	Peak	36.09	20.06	56.15	74.00	-17.85
5424.750	Average	24.92	20.06	44.98	54.00	-9.02



Report No.: TMWK2201000111KR

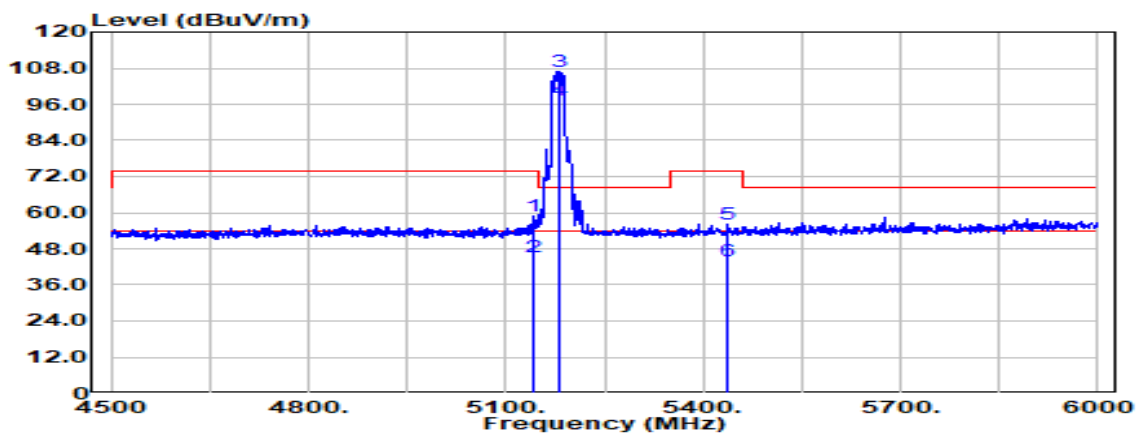
Test Mode	IEEE 802.11ax HE20 / 5180MHz	Temp/Hum	21.4(°C)/ 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5143.500	Peak	47.82	18.98	66.80	74.00	-7.20
5143.500	Average	32.11	18.98	51.09	54.00	-2.91
5180.000	Peak	96.72	19.19	115.91	-	-
5180.000	Average	86.98	19.19	106.17	-	-
5364.000	Peak	36.10	19.89	55.98	74.00	-18.02
5364.000	Average	24.22	19.89	44.10	54.00	-9.90

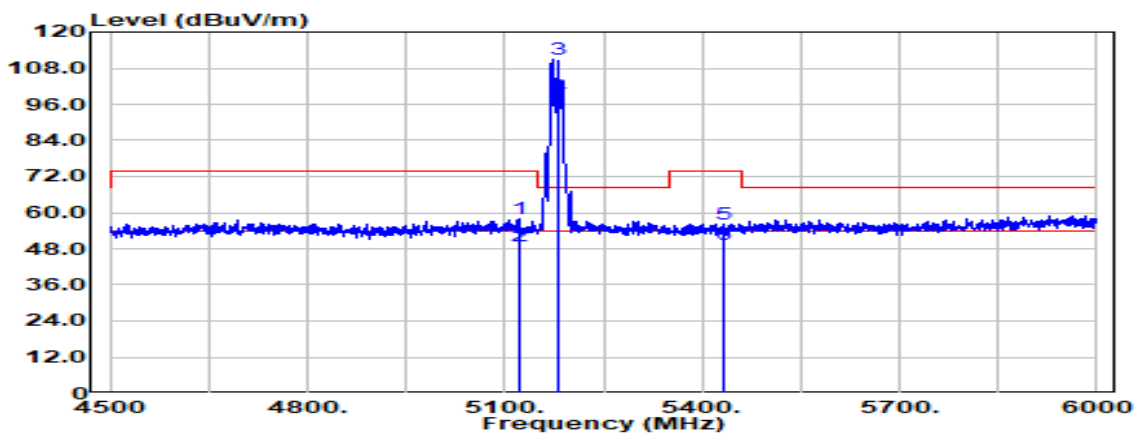
Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE20 / 5180MHz	Temp/Hum	21.4(°C)/ 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dB μ V)	Factor (dB)	Actual FS (dB μ V/m)	Limit @3m (dB μ V/m)	Margin (dB)
5141.250	Peak	40.07	18.97	59.05	74.00	-14.95
5141.250	Average	26.29	18.97	45.26	54.00	-8.74
5180.000	Peak	87.56	19.19	106.75	-	-
5180.000	Average	78.16	19.19	97.35	-	-
5436.750	Peak	36.27	20.07	56.34	74.00	-17.66
5436.750	Average	23.86	20.07	43.93	54.00	-10.07

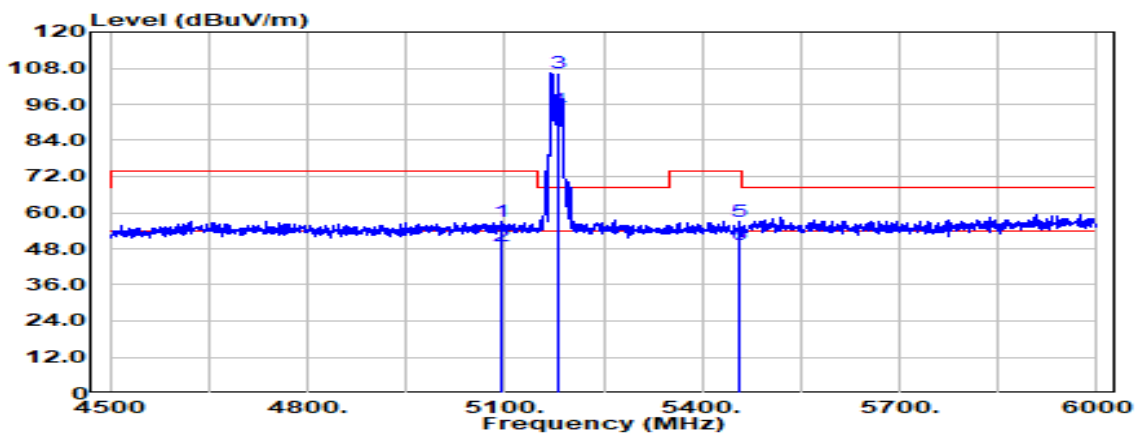
Test Mode	IEEE 802.11ax HE20 / 5180MHz_26/0	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5123.250	Peak	38.98	18.91	57.90	74.00	-16.10
5123.250	Average	30.12	18.91	49.03	54.00	-4.97
5180.000	Peak	91.69	19.19	110.88	-	-
5180.000	Average	79.70	19.19	98.89	-	-
5433.000	Peak	36.25	20.07	56.32	74.00	-17.68
5433.000	Average	29.14	20.07	49.20	54.00	-4.80

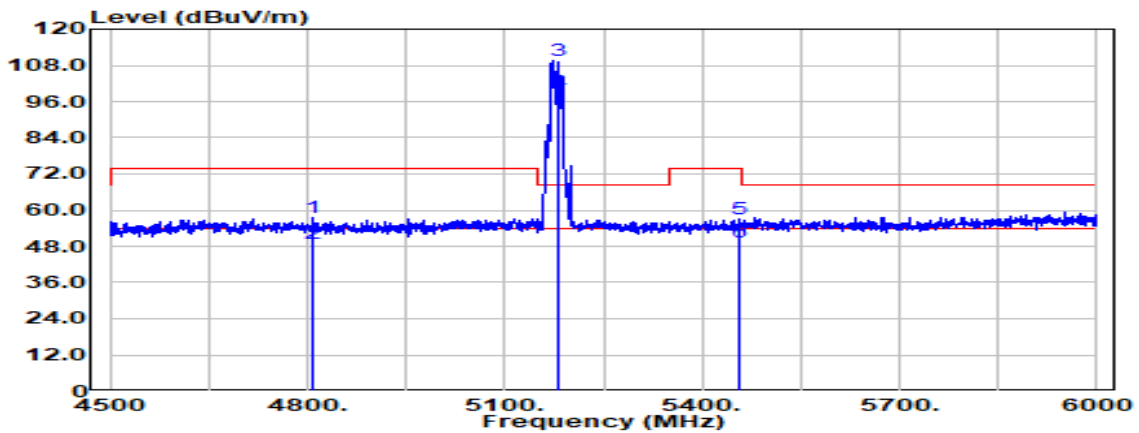
Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE20 / 5180MHz_26/0	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5094.750	Peak	38.42	18.85	57.26	74.00	-16.74
5094.750	Average	30.11	18.85	48.96	54.00	-5.04
5180.000	Peak	87.05	19.19	106.24	-	-
5180.000	Average	74.91	19.19	94.10	-	-
5456.250	Peak	37.07	20.06	57.14	74.00	-16.86
5456.250	Average	29.19	20.06	49.26	54.00	-4.74

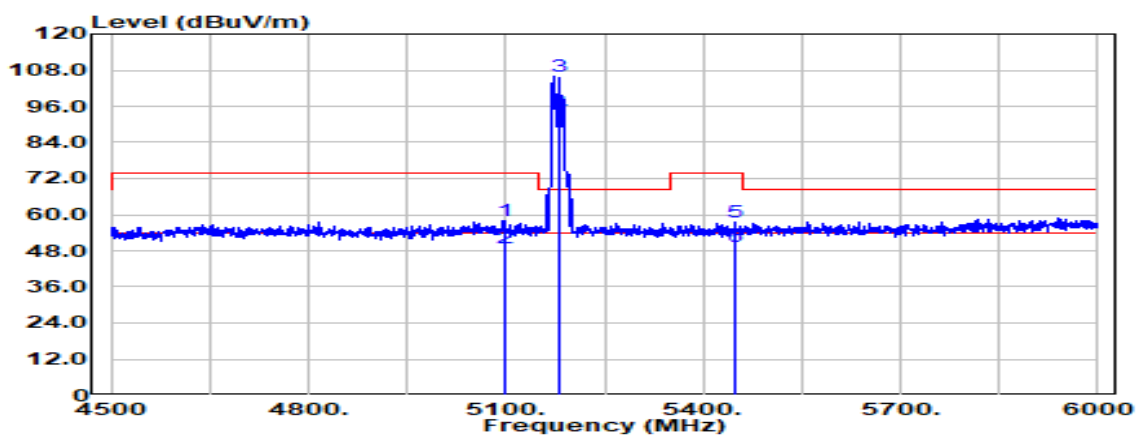
Test Mode	IEEE 802.11ax HE20 / 5180MHz_52/37	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4809.000	Peak	38.89	18.48	57.36	74.00	-16.64
4809.000	Average	30.56	18.48	49.04	54.00	-4.96
5180.000	Peak	90.56	19.19	109.75	-	-
5180.000	Average	79.76	19.19	98.95	-	-
5455.500	Peak	36.98	20.06	57.04	74.00	-16.96
5455.500	Average	29.30	20.06	49.36	54.00	-4.64

Report No.: TMWK2201000111KR

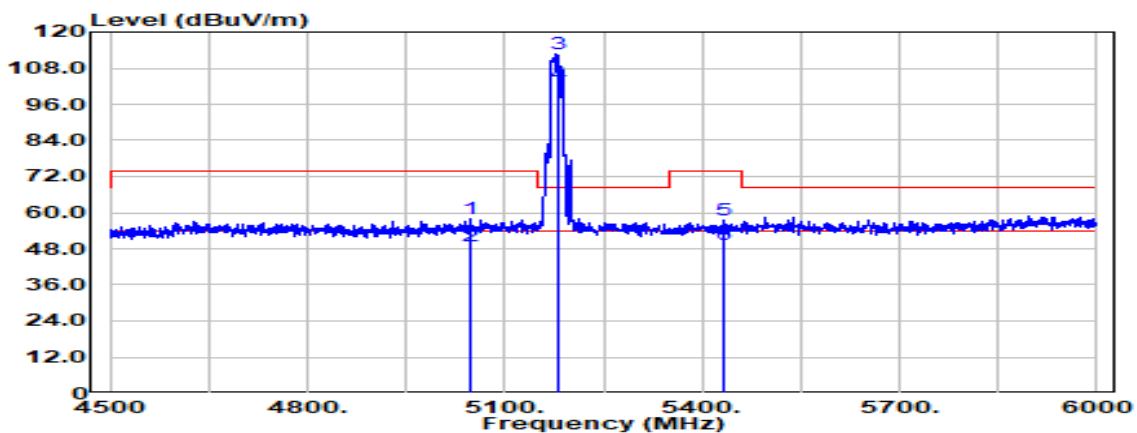
Test Mode	IEEE 802.11ax HE20 / 5180MHz_52/37	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5097.000	Peak	39.22	18.84	58.07	74.00	-15.93
5097.000	Average	30.19	18.84	49.04	54.00	-4.96
5180.000	Peak	86.84	19.19	106.03	-	-
5180.000	Average	74.72	19.19	93.91	-	-
5449.500	Peak	37.45	20.07	57.52	74.00	-16.48
5449.500	Average	29.10	20.07	49.17	54.00	-4.83

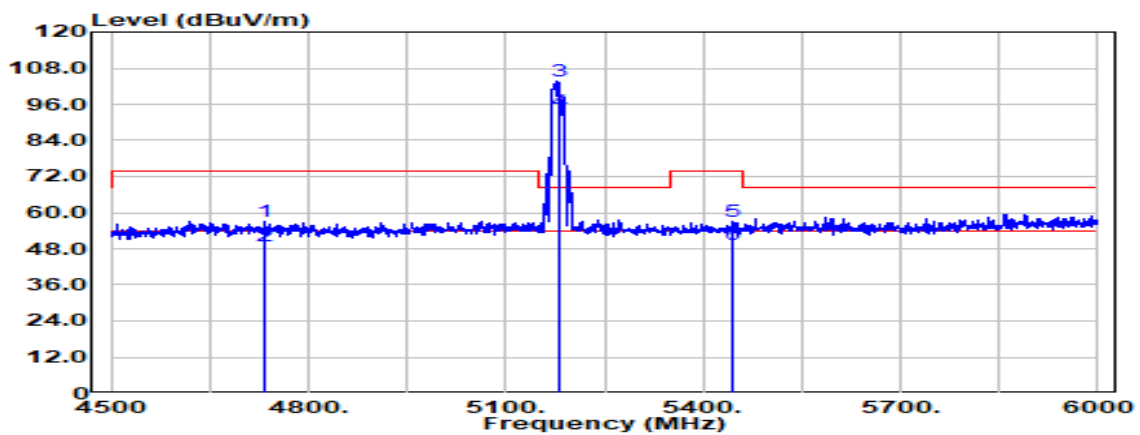
Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE20 / 5180MHz_106/53	Temp/Hum	23.6(°C) / 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5049.000	Peak	39.13	18.90	58.03	74.00	-15.97
5049.000	Average	30.14	18.90	49.04	54.00	-4.96
5180.000	Peak	93.57	19.19	112.76	-	-
5180.000	Average	83.61	19.19	102.80	-	-
5433.000	Peak	37.44	20.07	57.51	74.00	-16.49
5433.000	Average	29.14	20.07	49.20	54.00	-4.80

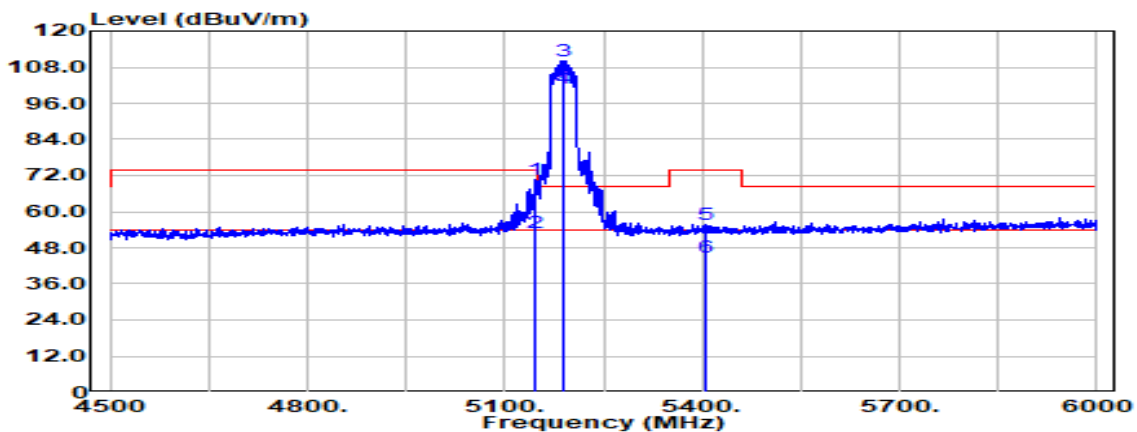
Test Mode	IEEE 802.11ax HE20 / 5180MHz_106/53	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4734.000	Peak	38.70	18.48	57.18	74.00	-16.82
4734.000	Average	30.50	18.48	48.99	54.00	-5.01
5180.000	Peak	84.36	19.19	103.55	-	-
5180.000	Average	74.75	19.19	93.94	-	-
5445.750	Peak	36.80	20.07	56.87	74.00	-17.13
5445.750	Average	29.20	20.07	49.27	54.00	-4.73

Report No.: TMWK2201000111KR

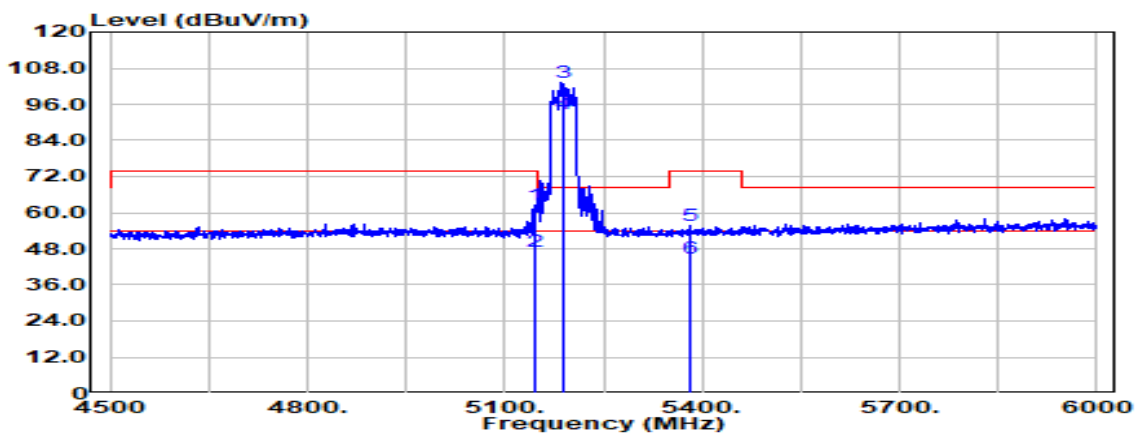
Test Mode	IEEE 802.11ax HE40 / 5190MHz	Temp/Hum	21.8(°C) / 64%RH
Test Item	Band Edge	Test Date	March 29, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5147.250	Peak	51.45	18.99	70.44	74.00	-3.56
5147.250	Average	34.06	18.99	53.05	54.00	-0.95
5190.000	Peak	90.89	19.26	110.14	-	-
5190.000	Average	81.91	19.26	101.16	-	-
5403.750	Peak	35.65	20.06	55.71	74.00	-18.29
5403.750	Average	24.68	20.06	44.74	54.00	-9.26

Report No.: TMWK2201000111KR

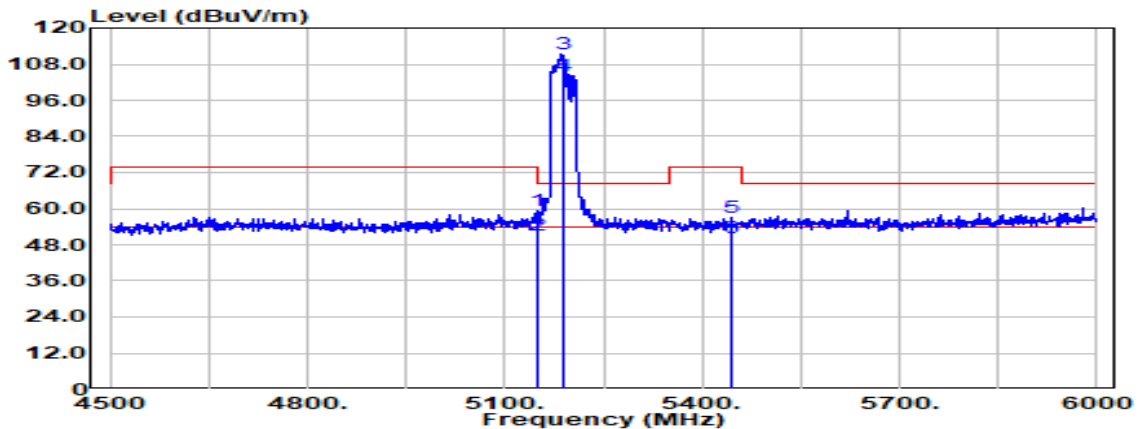
Test Mode	IEEE 802.11ax HE40 / 5190MHz	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Band Edge	Test Date	March 29, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5144.250	Peak	43.68	18.98	62.66	74.00	-11.34
5144.250	Average	28.13	18.98	47.11	54.00	-6.89
5190.000	Peak	84.10	19.26	103.36	-	-
5190.000	Average	73.74	19.26	92.99	-	-
5382.000	Peak	35.55	19.97	55.53	74.00	-18.47
5382.000	Average	24.69	19.97	44.67	54.00	-9.33

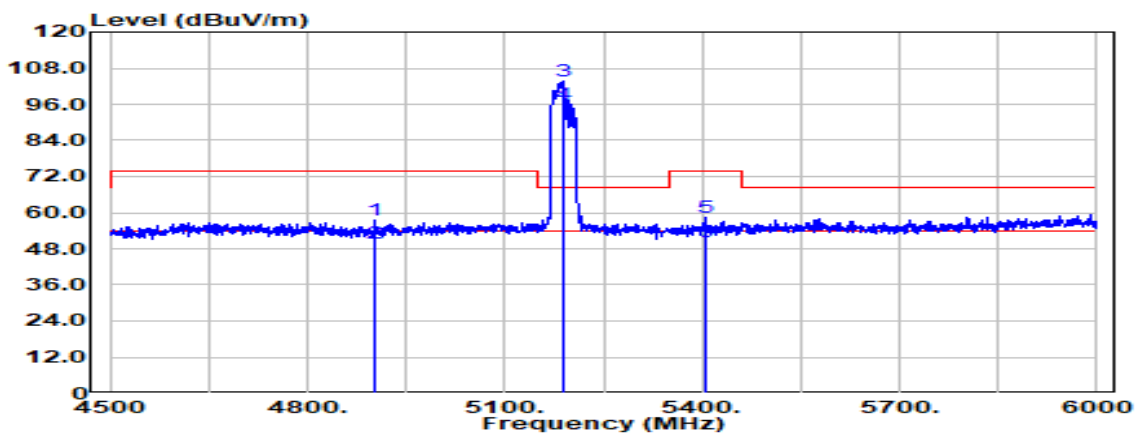
Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE40 / 5190MHz_242/61	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBUV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
5149.500	Peak	40.14	19.00	59.14	74.00	-14.86
5149.500	Average	32.37	19.00	51.36	54.00	-2.64
5190.000	Peak	92.16	19.26	111.42	-	-
5190.000	Average	84.71	19.26	103.97	-	-
5444.250	Peak	36.98	20.07	57.05	74.00	-16.95
5444.250	Average	30.07	20.07	50.14	54.00	-3.86

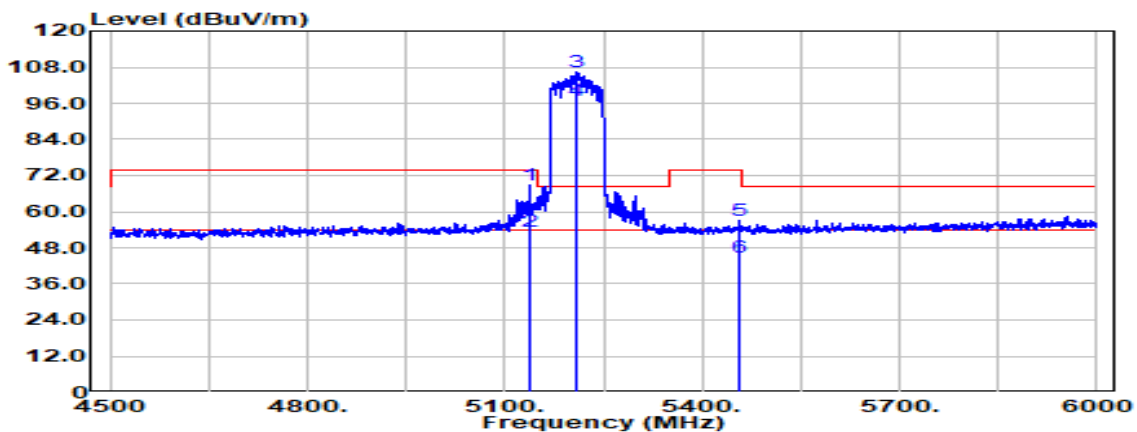
Test Mode	IEEE 802.11ax HE40 / 5190MHz_242/61	Temp/Hum	23.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4902.750	Peak	38.87	18.59	57.46	74.00	-16.54
4902.750	Average	31.43	18.59	50.01	54.00	-3.99
5190.000	Peak	84.52	19.26	103.78	-	-
5190.000	Average	76.63	19.26	95.89	-	-
5403.750	Peak	38.14	20.06	58.20	74.00	-15.80
5403.750	Average	30.19	20.06	50.25	54.00	-3.75

Report No.: TMWK2201000111KR

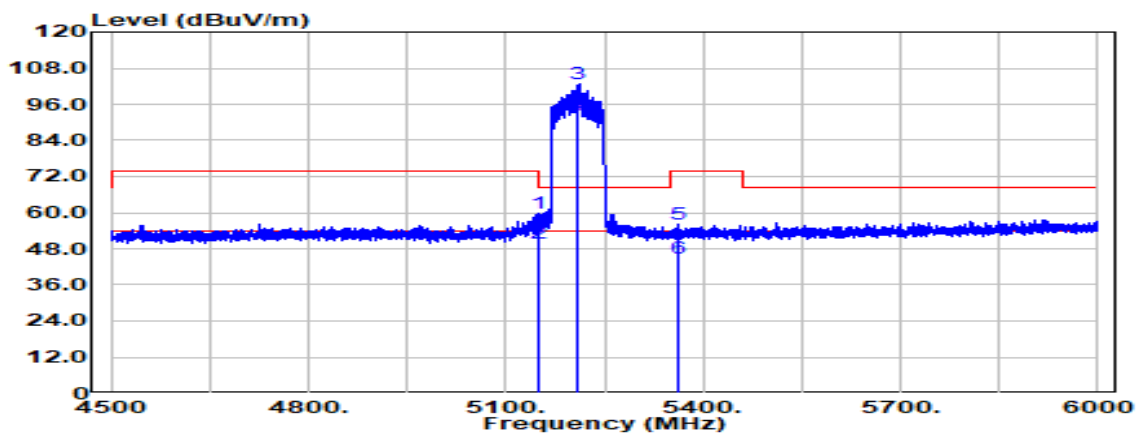
Test Mode	IEEE 802.11ax HE80 / 5210MHz_	Temp/Hum	21.8(°C) / 64%RH
Test Item	Band Edge	Test Date	March 29, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5139.000	Peak	49.93	18.96	68.90	74.00	-5.10
5139.000	Average	34.55	18.96	53.52	54.00	-0.48
5210.000	Peak	86.87	19.39	106.25	-	-
5210.000	Average	77.67	19.39	97.06	-	-
5455.500	Peak	37.05	20.06	57.12	74.00	-16.88
5455.500	Average	24.86	20.06	44.92	54.00	-9.08

Report No.: TMWK2201000111KR

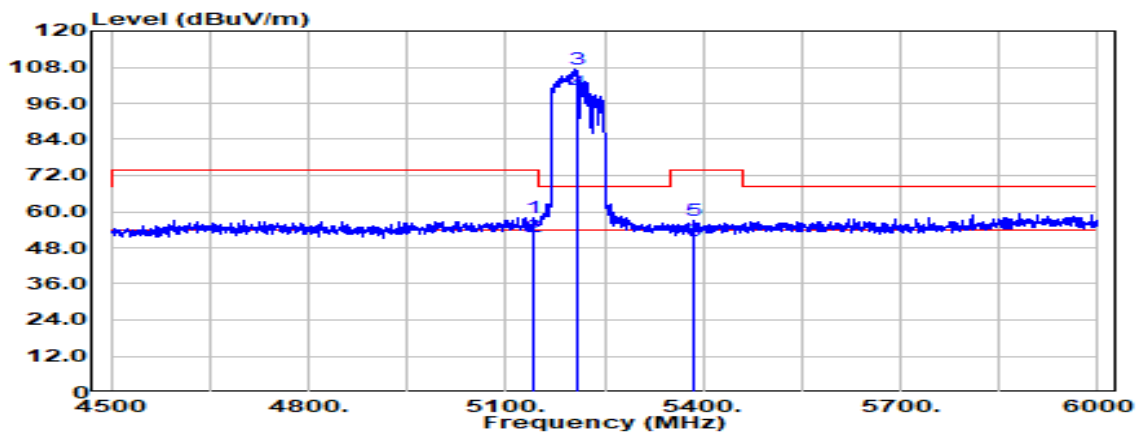
Test Mode	IEEE 802.11ax HE80 / 5210MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	March 30, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5149.500	Peak	40.83	19.00	59.83	74.00	-14.17
5149.500	Average	30.76	19.00	49.76	54.00	-4.24
5210.000	Peak	83.48	19.39	102.87	-	-
5210.000	Average	72.82	19.39	92.21	-	-
5362.875	Peak	36.20	19.88	56.08	74.00	-17.92
5362.875	Average	24.98	19.88	44.87	54.00	-9.13

Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE80 / 5210MHz_484/65	Temp/Hum	23.6(°C) / 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5142.000	Peak	38.97	18.97	57.94	74.00	-16.06
5142.000	Average	32.57	18.97	51.54	54.00	-2.46
5210.000	Peak	87.84	19.39	107.23	-	-
5210.000	Average	80.31	19.39	99.70	-	-
5385.000	Peak	37.08	19.99	57.07	74.00	-16.93
5385.000	Average	30.11	19.99	50.10	54.00	-3.90

Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE80 / 5210MHz 484/65	Temp/Hum	23.6(°C) / 62%RH
Test Item	Band Edge	Test Date	May 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

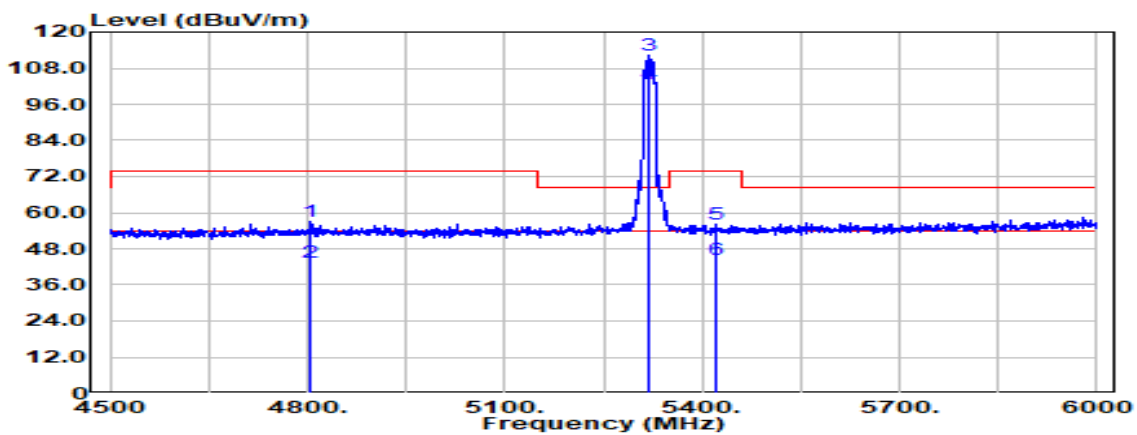


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
5075.250	Peak	39.51	18.87	58.38	74.00	-15.62
5075.250	Average	31.14	18.87	50.01	54.00	-3.99
5210.000	Peak	79.87	19.39	99.26	-	-
5210.000	Average	71.89	19.39	91.28	-	-
5451.000	Peak	37.13	20.07	57.20	74.00	-16.80
5451.000	Average	30.06	20.07	50.13	54.00	-3.87

Report No.: TMWK2201000111KR

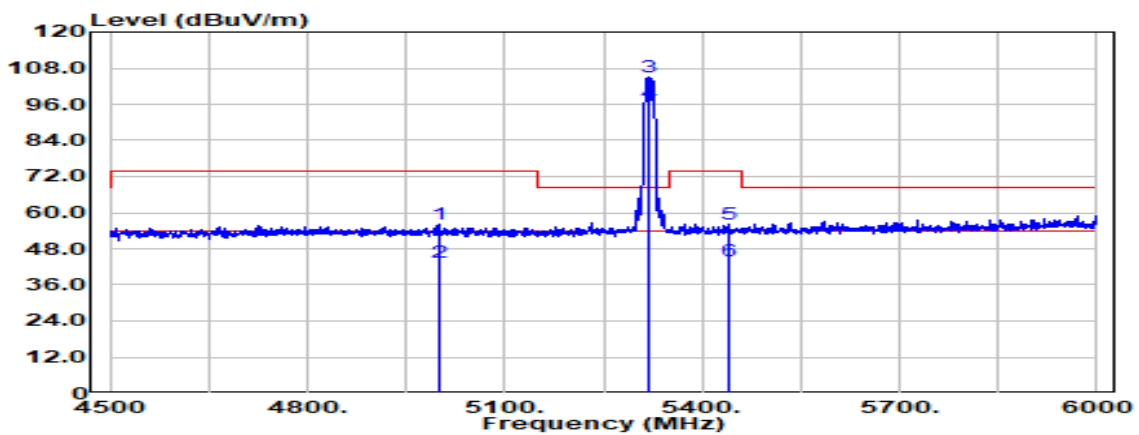
Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	22.5(°C)/ 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Vertical	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
4805.250	Peak	38.47	18.47	56.93	74.00	-17.07
4805.250	Average	24.96	18.47	43.42	54.00	-10.58
5320.000	Peak	92.33	19.81	112.14	-	-
5320.000	Average	83.16	19.81	102.97	-	-
5420.250	Peak	36.00	20.06	56.07	74.00	-17.93
5420.250	Average	24.44	20.06	44.51	54.00	-9.49

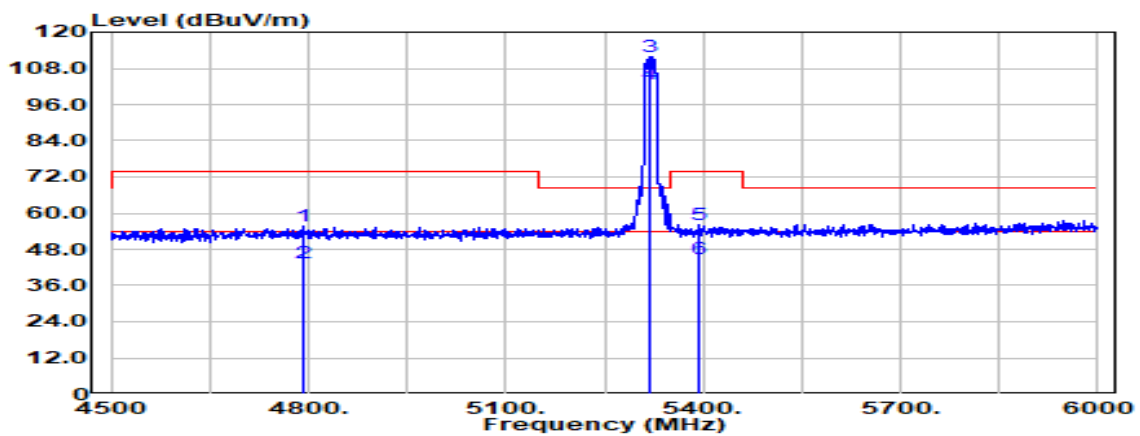
Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	22.5(°C) / 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Horizontal	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4998.750	Peak	37.43	18.82	56.24	74.00	-17.76
4998.750	Average	24.60	18.82	43.42	54.00	-10.58
5320.000	Peak	85.11	19.81	104.92	-	-
5320.000	Average	76.63	19.81	96.45	-	-
5439.000	Peak	36.26	20.07	56.33	74.00	-17.67
5439.000	Average	23.95	20.07	44.01	54.00	-9.99

Report No.: TMWK2201000111KR

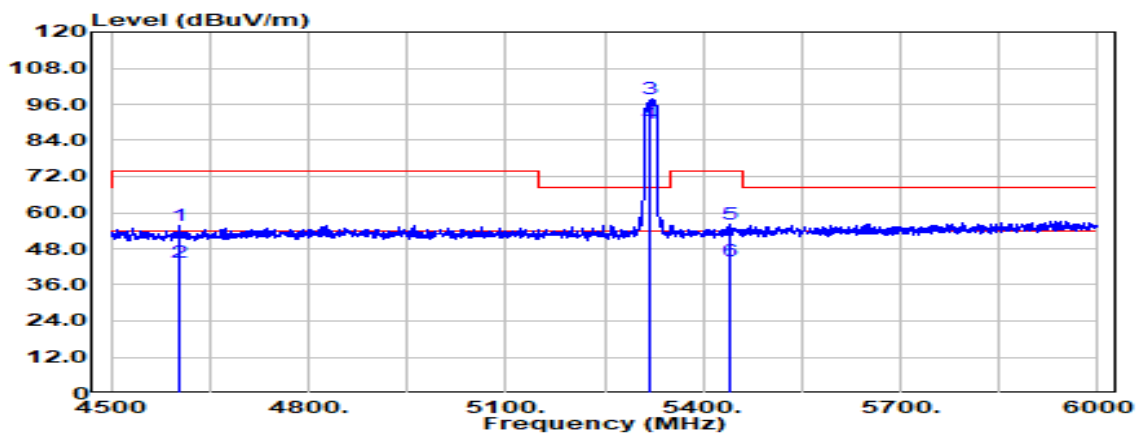
Test Mode	IEEE 802.11ac VHT20 / 5320 MHz	Temp/Hum	22.5(°C)/ 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Vertical	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4793.250	Peak	37.14	18.46	55.59	74.00	-18.41
4793.250	Average	25.10	18.46	43.56	54.00	-10.44
5320.000	Peak	92.19	19.81	112.01	-	-
5320.000	Average	83.17	19.81	102.99	-	-
5392.500	Peak	36.11	20.02	56.13	74.00	-17.87
5392.500	Average	24.96	20.02	44.98	54.00	-9.02

Report No.: TMWK2201000111KR

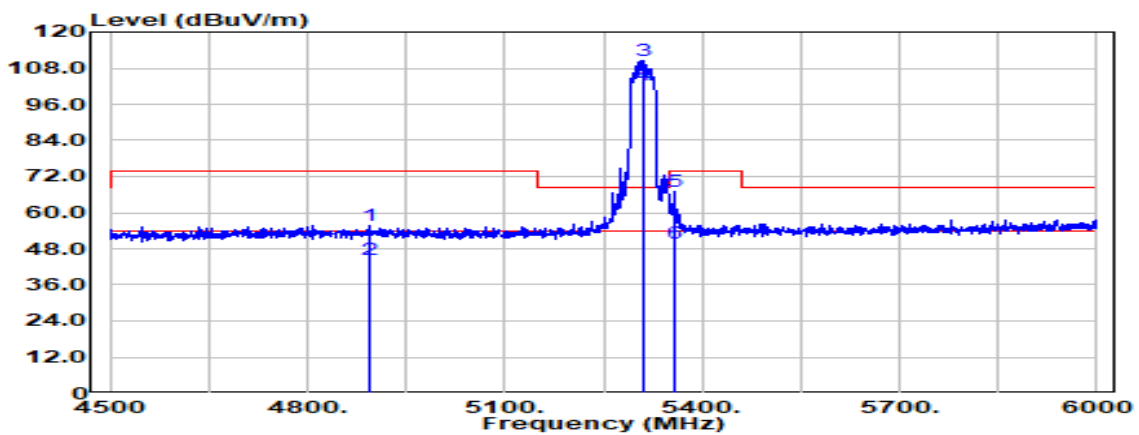
Test Mode	IEEE 802.11ac VHT20 / 5320 MHz	Temp/Hum	22.5(°C) / 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Horizontal	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4604.250	Peak	37.67	18.25	55.92	74.00	-18.08
4604.250	Average	25.09	18.25	43.33	54.00	-10.67
5320.000	Peak	77.91	19.81	97.73	-	-
5320.000	Average	69.64	19.81	89.46	-	-
5439.000	Peak	36.07	20.07	56.14	74.00	-17.86
5439.000	Average	23.65	20.07	43.72	54.00	-10.28

Report No.: TMWK2201000111KR

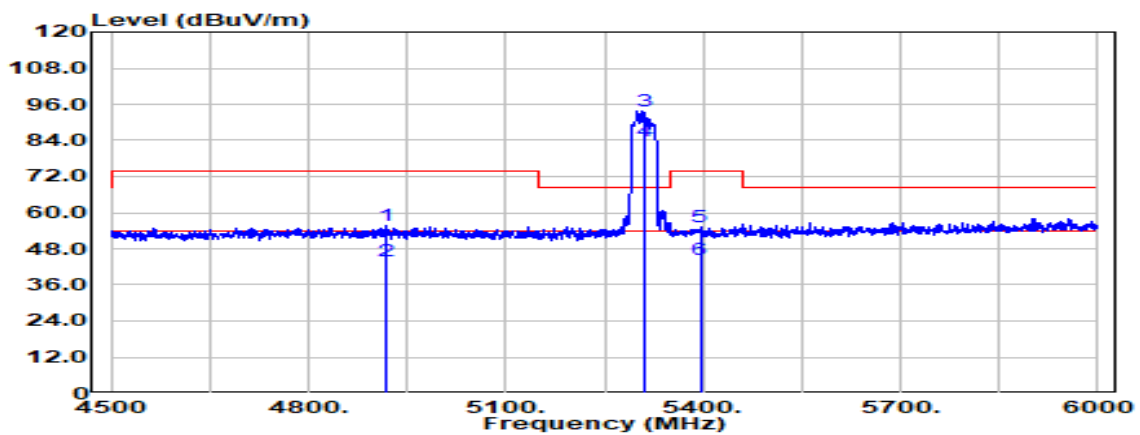
Test Mode	IEEE 802.11ac VHT40 / 5310 MHz	Temp/Hum	22.5(°C) / 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Vertical	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4895.250	Peak	37.21	18.58	55.79	74.00	-18.21
4895.250	Average	25.60	18.58	44.18	54.00	-9.82
5310.000	Peak	90.69	19.81	110.50	-	-
5310.000	Average	82.31	19.81	102.13	-	-
5357.250	Peak	46.96	19.85	66.81	74.00	-7.19
5357.250	Average	29.96	19.85	49.81	54.00	-4.19

Report No.: TMWK2201000111KR

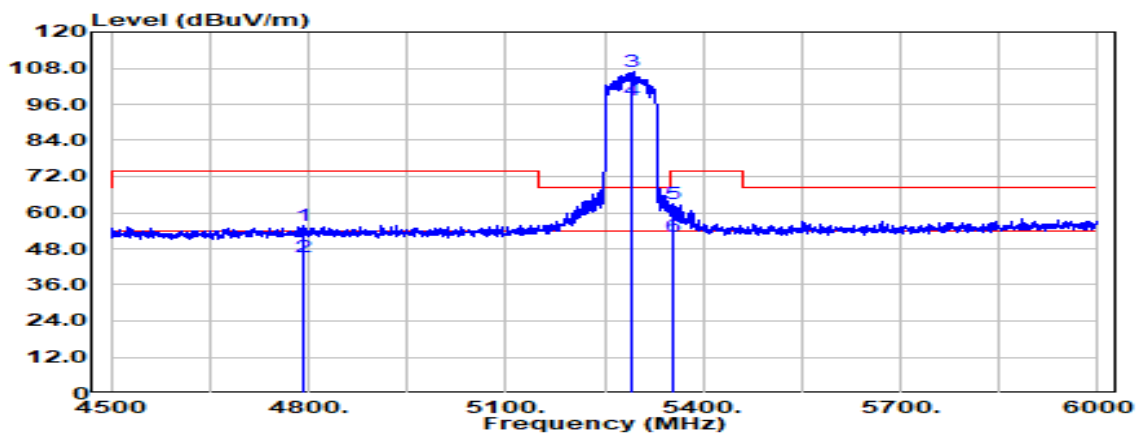
Test Mode	IEEE 802.11ac VHT40 / 5310 MHz	Temp/Hum	22.5(°C)/ 63%RH
Test Item	Band Edge	Test Date	March 27, 2022
Polarize	Horizontal	Test Engineer	Czerny Lin
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4919.250	Peak	37.22	18.62	55.84	74.00	-18.16
4919.250	Average	25.29	18.62	43.90	54.00	-10.10
5310.000	Peak	74.04	19.81	93.85	-	-
5310.000	Average	64.04	19.81	83.86	-	-
5395.500	Peak	35.40	20.04	55.44	74.00	-18.56
5395.500	Average	24.13	20.04	44.17	54.00	-9.83

Report No.: TMWK2201000111KR

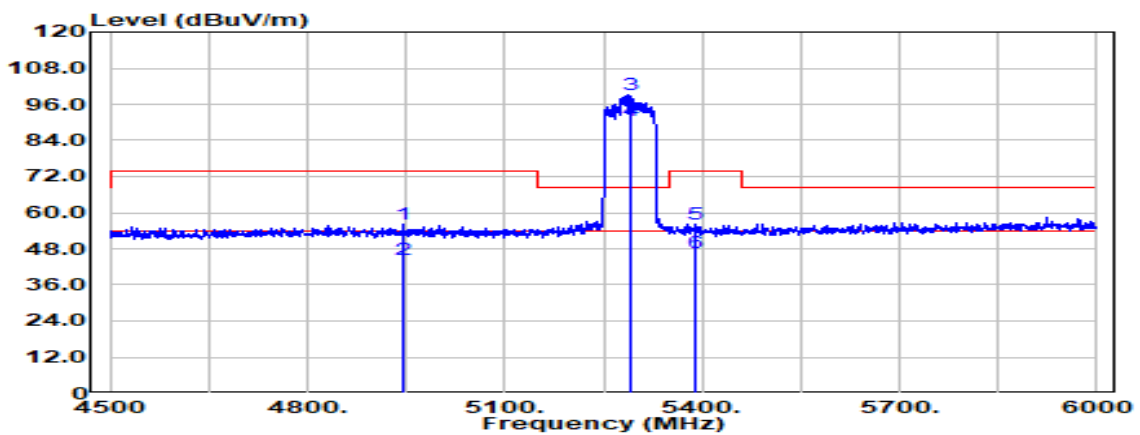
Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	21.4(°C) / 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4793.250	Peak	37.37	18.46	55.82	74.00	-18.18
4793.250	Average	26.79	18.46	45.25	54.00	-8.75
5290.000	Peak	86.99	19.78	106.77	-	-
5290.000	Average	77.76	19.78	97.54	-	-
5355.000	Peak	43.24	19.84	63.09	74.00	-10.91
5355.000	Average	32.32	19.84	52.16	54.00	-1.84

Report No.: TMWK2201000111KR

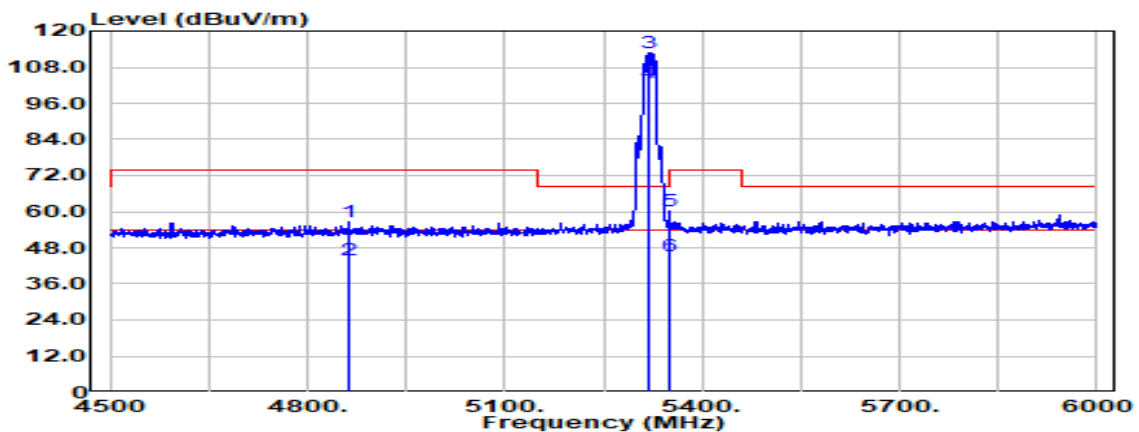
Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	21.4(°C) / 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
4945.500	Peak	37.60	18.67	56.27	74.00	-17.73
4945.500	Average	25.91	18.67	44.58	54.00	-9.42
5290.000	Peak	79.50	19.78	99.28	-	-
5290.000	Average	70.91	19.78	90.69	-	-
5389.500	Peak	35.99	20.01	56.00	74.00	-18.00
5389.500	Average	26.42	20.01	46.43	54.00	-7.57

Report No.: TMWK2201000111KR

Test Mode	IEEE 802.11ax HE20 / 5320 MHz	Temp/Hum	21.4(°C) / 60%RH
Test Item	Band Edge	Test Date	March 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBUV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
4861.500	Peak	37.86	18.60	56.46	74.00	-17.54
4861.500	Average	25.18	18.60	43.78	54.00	-10.22
5320.000	Peak	93.06	19.81	112.87	-	-
5320.000	Average	83.05	19.81	102.86	-	-
5351.250	Peak	40.50	19.83	60.33	74.00	-13.67
5351.250	Average	25.33	19.83	45.16	54.00	-8.84