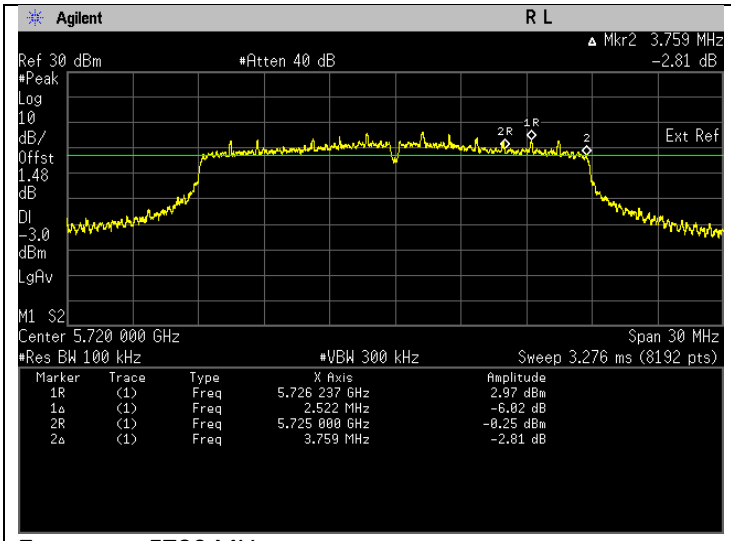
Straddle Frequency for 802.11n (HT20)

Freq. (MHz)	Test Conditions	Results			
		U-NII- 3			
		Antenna 1		Antenna 2	
		Power/Freq. (dBm/MHz)	Status	Power/Freq. (dBm/MHz)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: MCS0 (6.5)	3.759	Pass	3.763	Pass

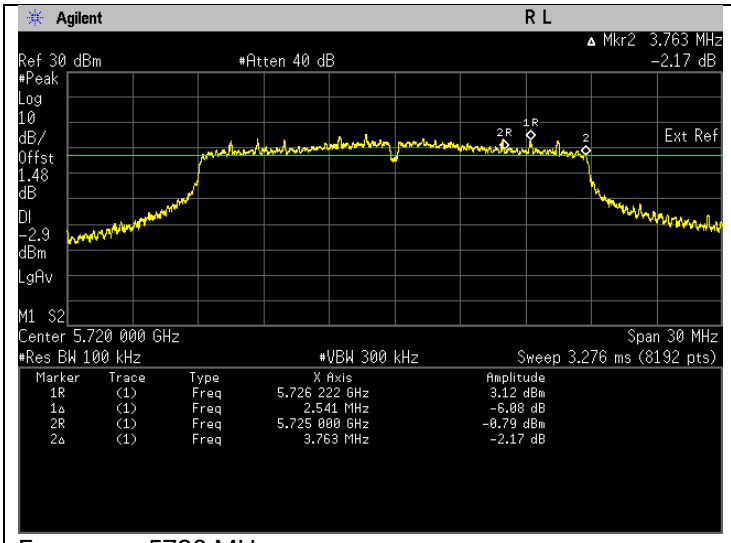
Plots for 802.11n (HT20) Straddle Frequency

Antenna 1



Frequency 5720 MHz

Antenna 2



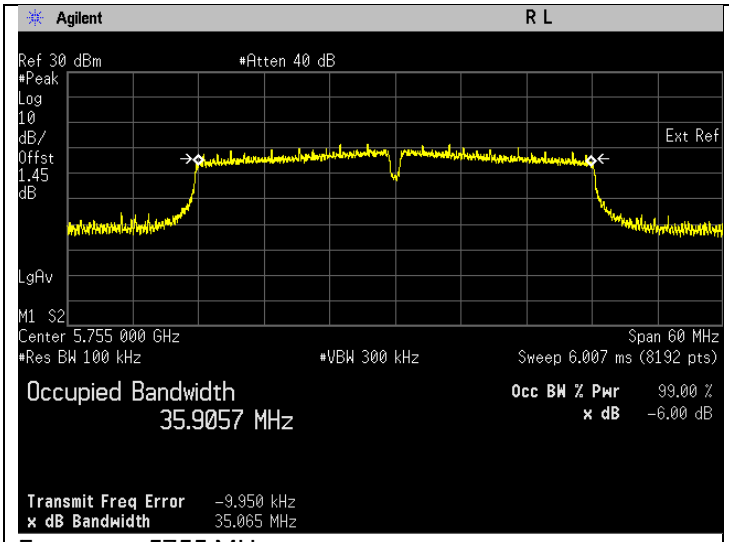
Frequency 5720 MHz

802.11n (HT40)

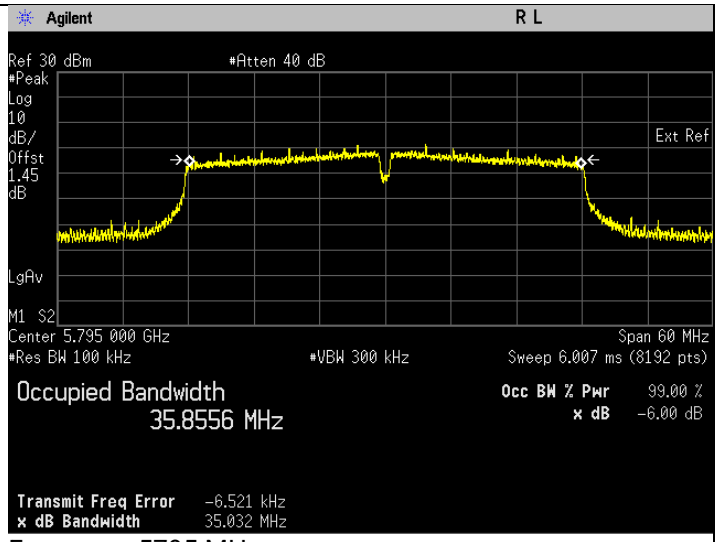
Freq. (MHz)	Test Configuration	Results			
		Bandwidth(MHz)			
		Ant 1	Status	Ant 2	Status
5755	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: MCS0 (13.5)	35.065	Pass	35.083	Pass
5795	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: MCS0 (13.5)	35.032	Pass	33.760	Pass

Plots for 802.11n (HT40)

Antenna 1

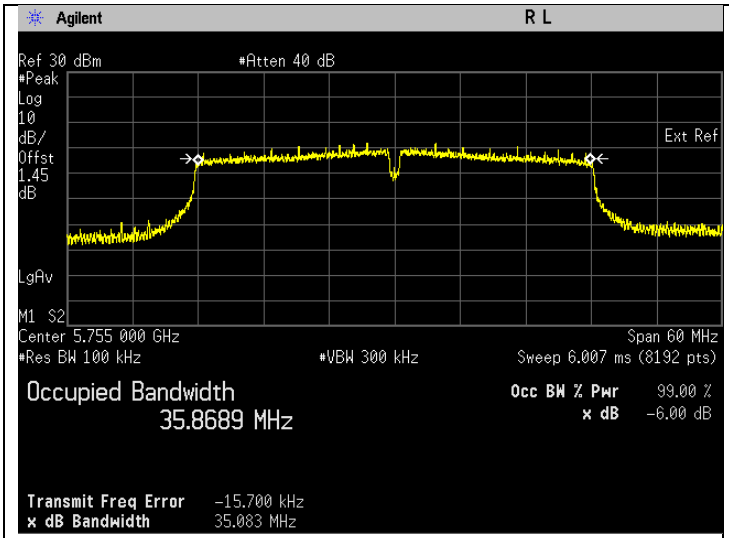


Frequency 5755 MHz

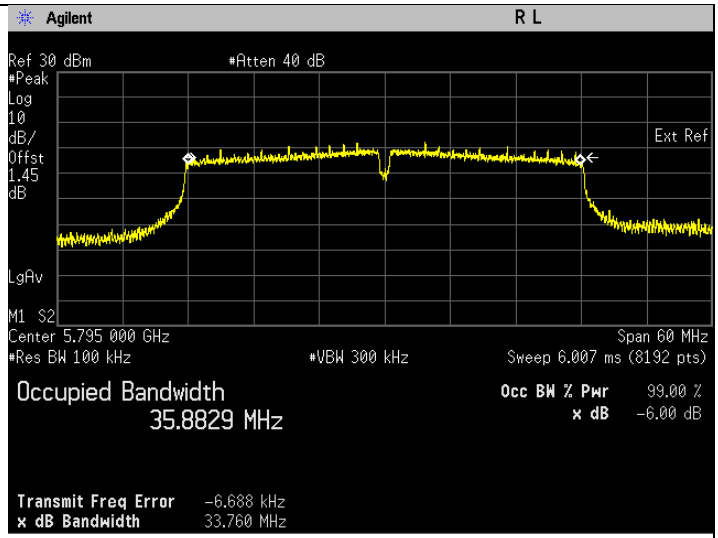


Frequency 5795 MHz

Antenna 2



Frequency 5755 MHz



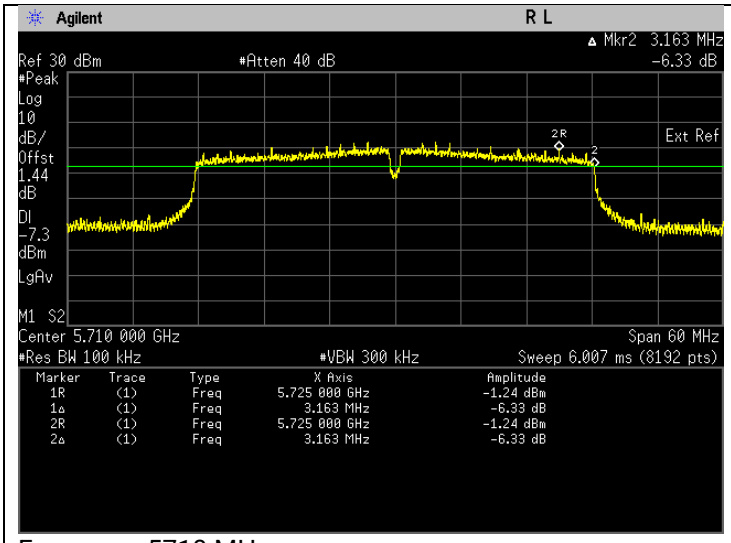
Frequency 5795 MHz

Straddle Frequency for 802.11n (HT40)

Freq. (MHz)	Test Conditions	Results			
		U-NII- 3			
		Antenna 1		Antenna 2	
		Power/Freq. (dBm/MHz)	Status	Power/Freq. (dBm/MHz)	Status
5710	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: MCS0 (13.5)	3.163	Pass	3.177	Pass

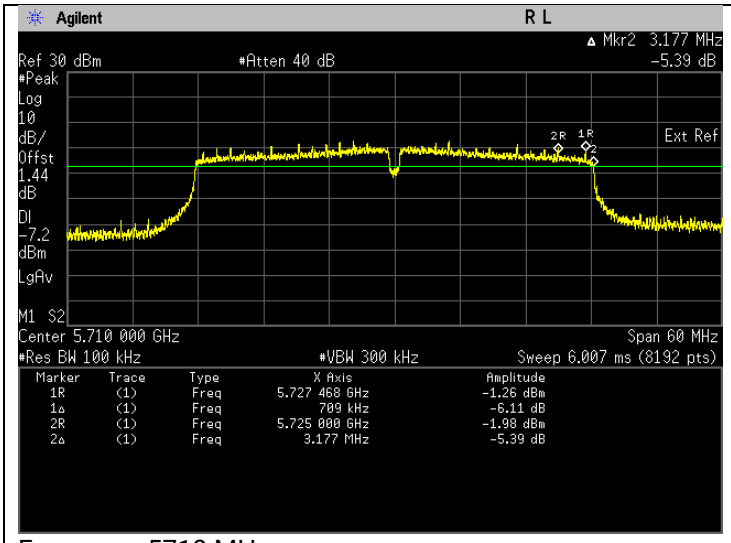
Plots for 802.11n (HT40) Straddle Frequency

Antenna 1



Frequency 5710 MHz

Antenna 2



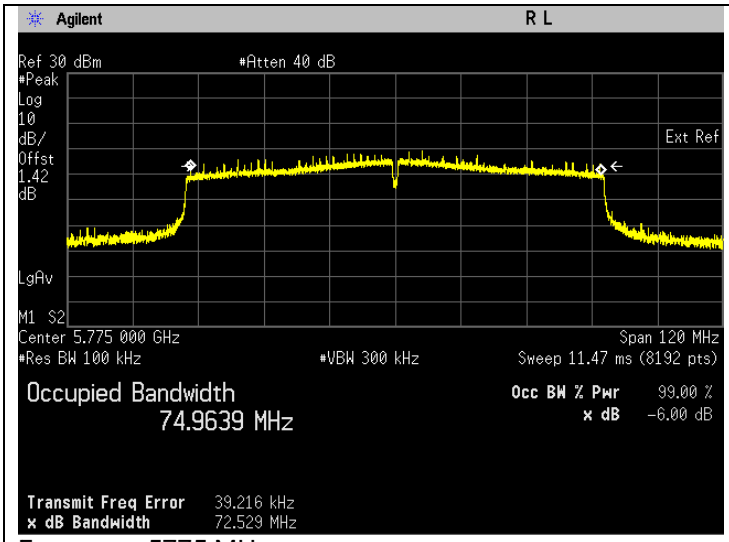
Frequency 5710 MHz

802.11ac (HT80)

Freq. (MHz)	Test Configuration	Results			
		Bandwidth(MHz)			
		Ant 1	Status	Ant 2	Status
5775	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: MCS0 (29.3)	72.529	Pass	71.250	Pass

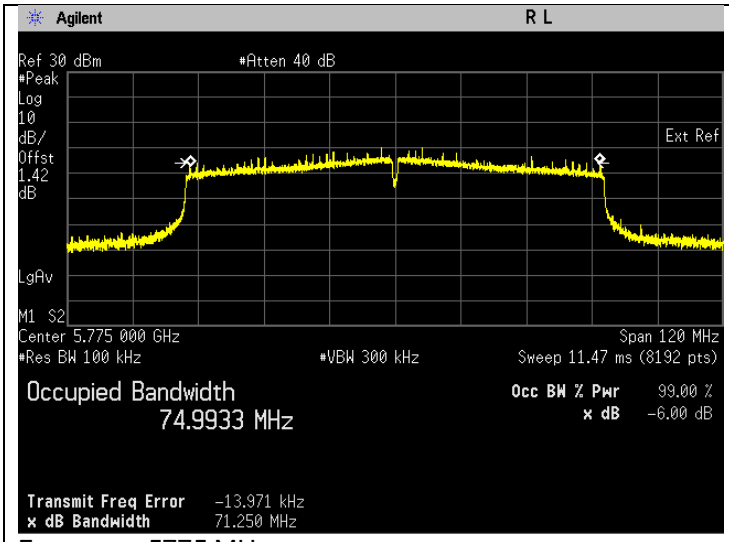
Plots for 802.11ac (HT80)

Antenna 1



Frequency 5775 MHz

Antenna 2



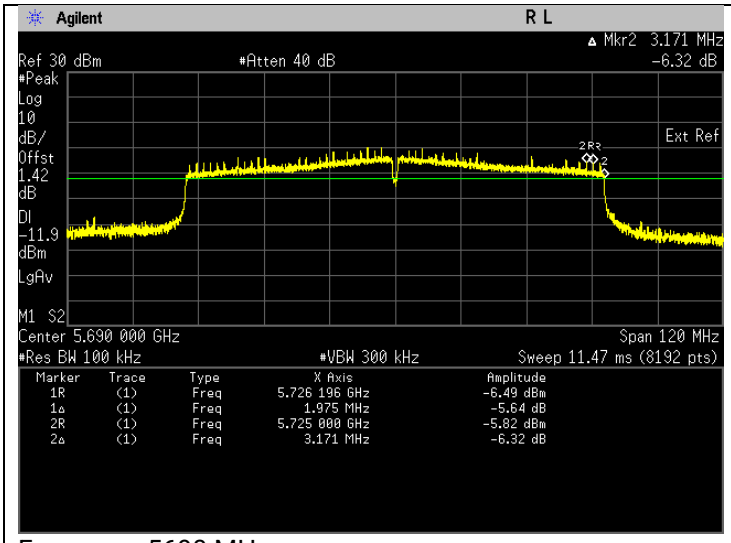
Frequency 5775 MHz

Straddle Frequency for 802.11ac (HT80)

Freq. (MHz)	Test Conditions	Results			
		U-NII- 3			
		Antenna 1		Antenna 2	
		Power/Freq. (dBm/MHz)	Status	Power/Freq. (dBm/MHz)	Status
5690	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: MCS0 (29.3)	3.171	Pass	3.171	Pass

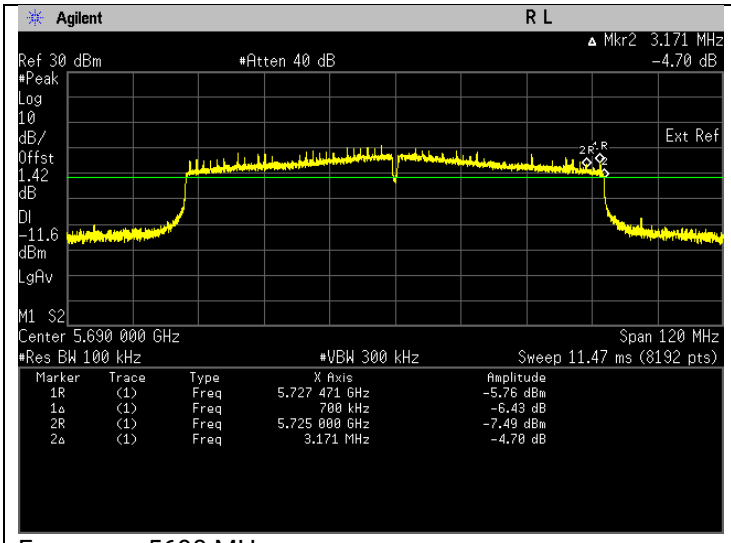
Plots for 802.11ac (HT80) Straddle Frequency

Antenna 1



Frequency 5690 MHz

Antenna 2



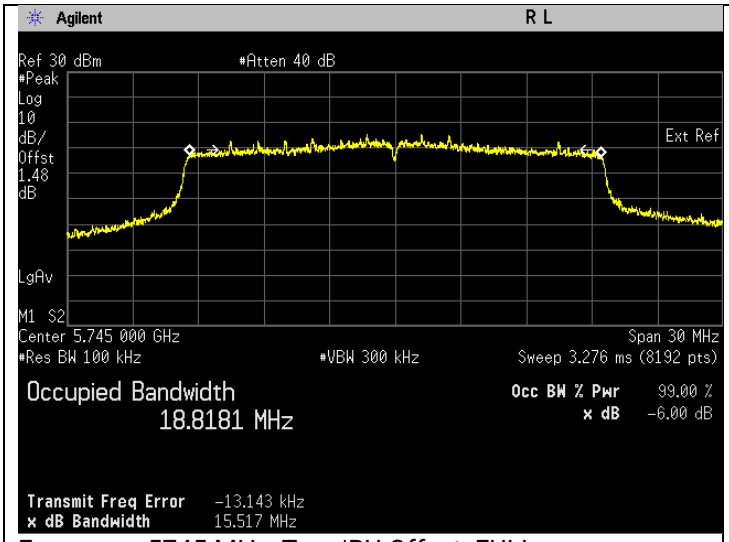
Frequency 5690 MHz

802.11ax (HE20)

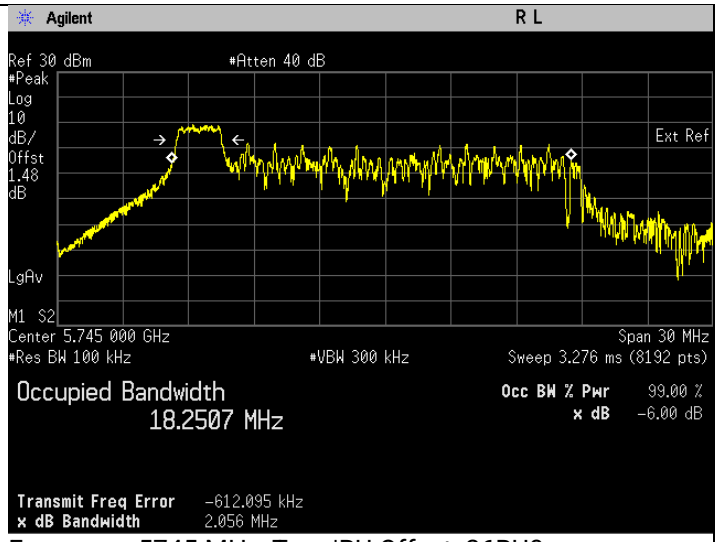
Freq. (MHz)	Test Configuration	Results			
		Bandwidth(MHz)			
		Ant 1	Status	Ant 2	Status
5745	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	15.517	Pass	15.890	Pass
5745	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 26RU0	2.056	Pass	2.056	Pass
5745	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 52RU37	17.047	Pass	17.098	Pass
5745	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 106RU53	17.177	Pass	17.119	Pass
5785	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	17.474	Pass	15.013	Pass
5785	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 26RU4	2.608	Pass	2.608	Pass
5785	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 52RU38	15.111	Pass	15.097	Pass
5785	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 106RU53	17.154	Pass	18.104	Pass
5825	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	17.398	Pass	15.086	Pass
5825	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 26RU8	2.033	Pass	2.033	Pass
5825	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 52RU40	15.730	Pass	16.952	Pass
5825	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 106RU54	17.143	Pass	17.101	Pass

Plots for 802.11ax (HE20)

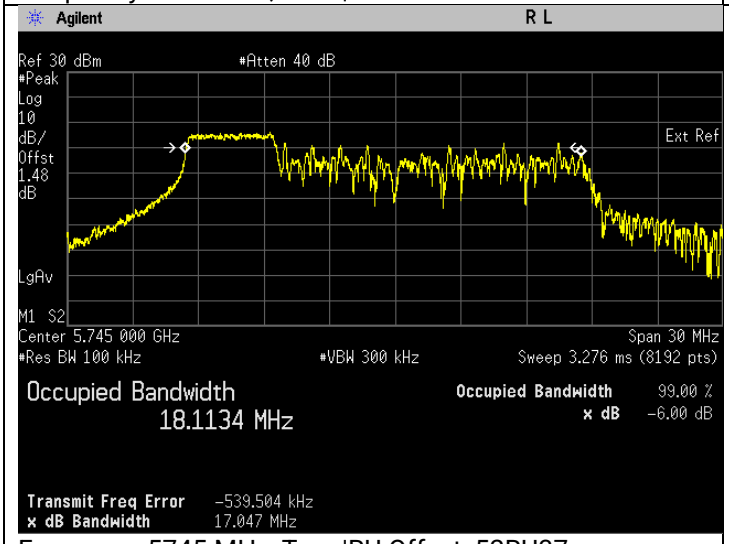
Antenna 1



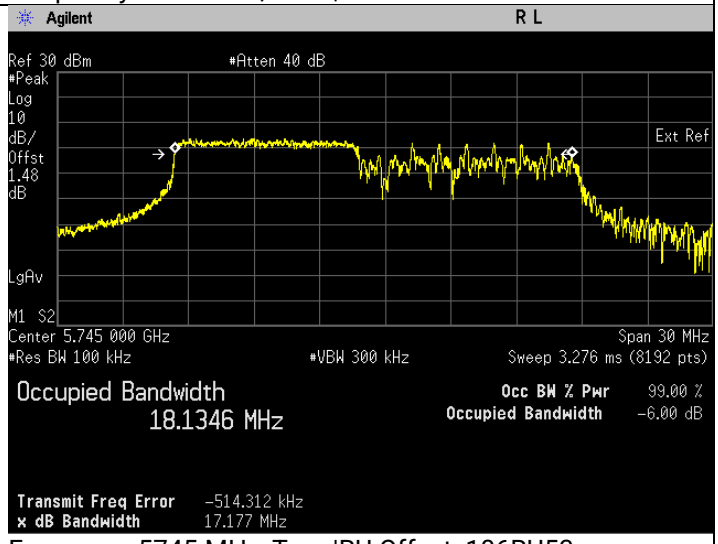
Frequency 5745 MHz, Tone|RU Offset: FULL



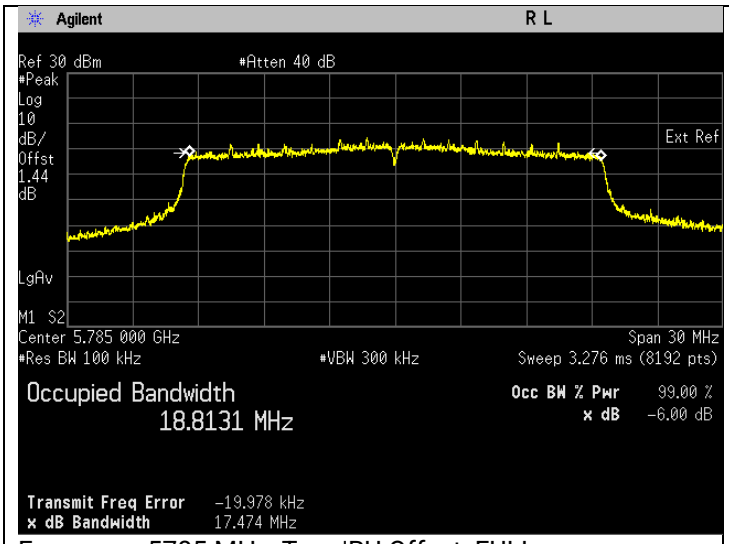
Frequency 5745 MHz, Tone|RU Offset: 26RU0



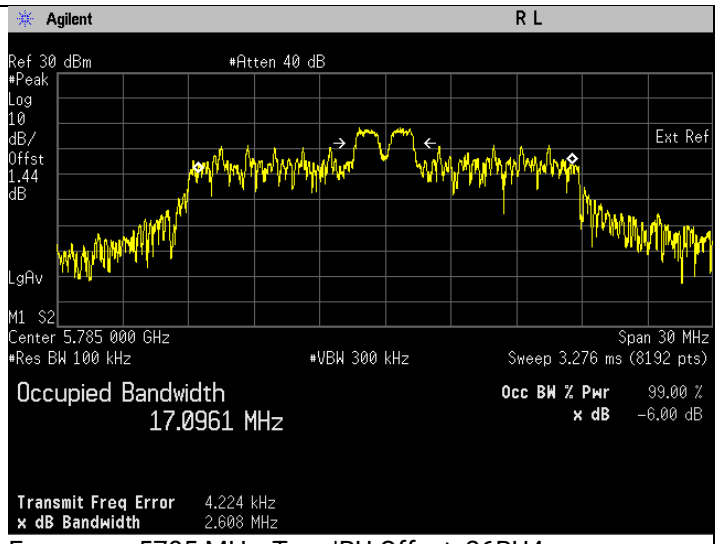
Frequency 5745 MHz, Tone|RU Offset: 52RU37



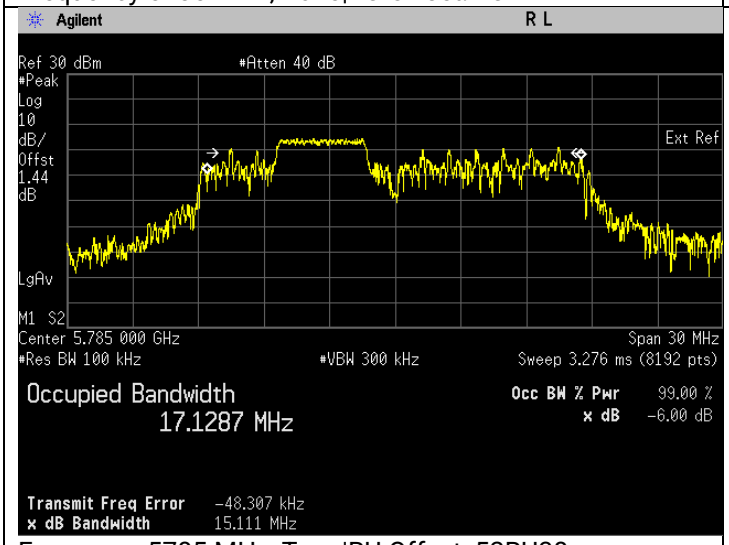
Frequency 5745 MHz, Tone|RU Offset: 106RU53



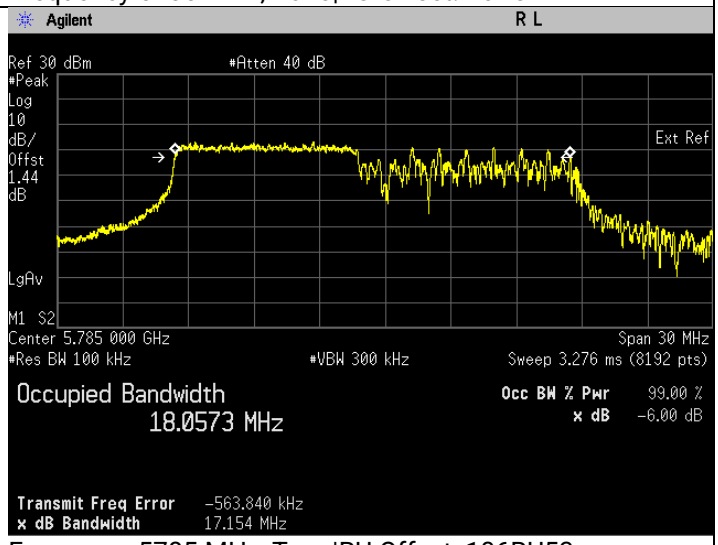
Frequency 5785 MHz, Tone|RU Offset: FULL



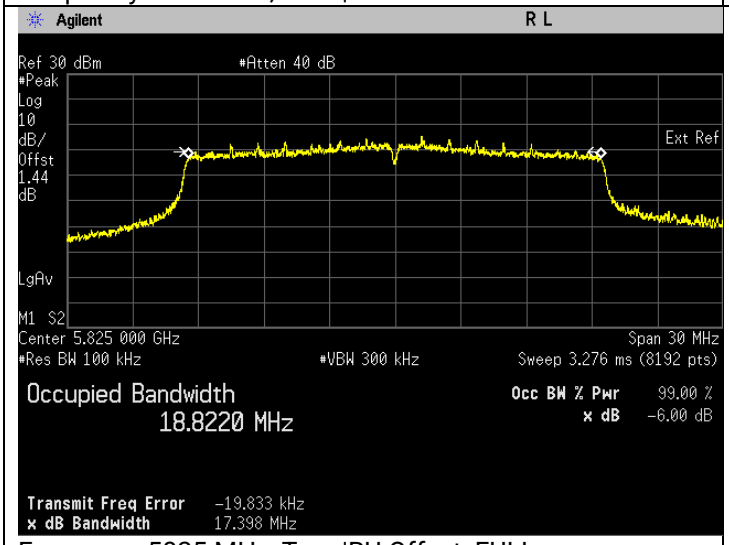
Frequency 5785 MHz, Tone|RU Offset: 26RU4



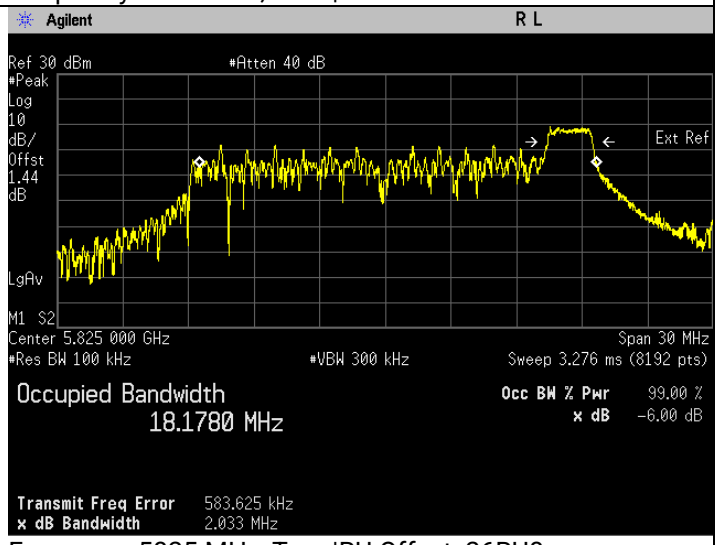
Frequency 5785 MHz, Tone|RU Offset: 52RU38



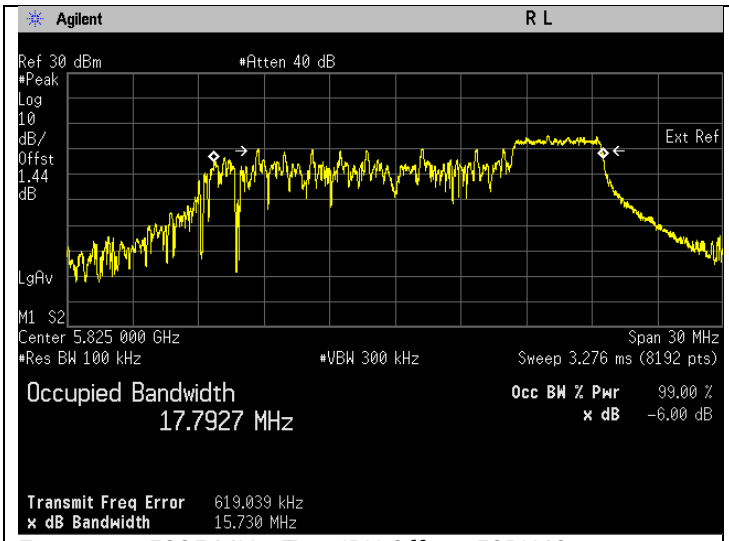
Frequency 5785 MHz, Tone|RU Offset: 106RU53



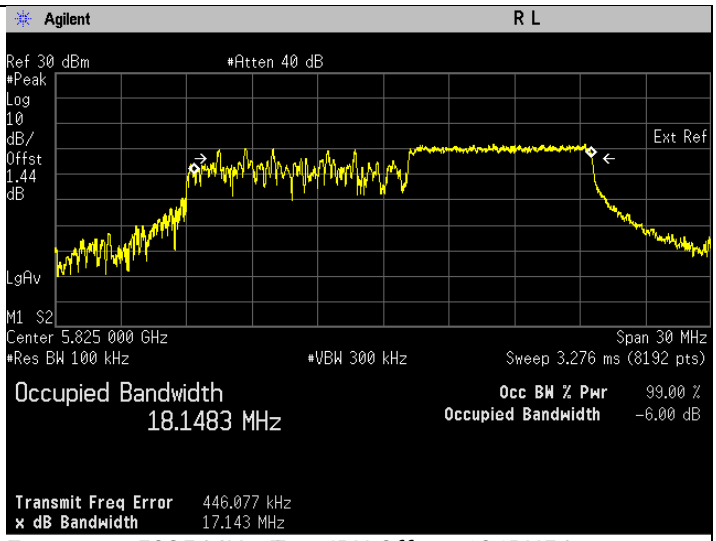
Frequency 5825 MHz, Tone|RU Offset: FULL



Frequency 5825 MHz, Tone|RU Offset: 26RU8

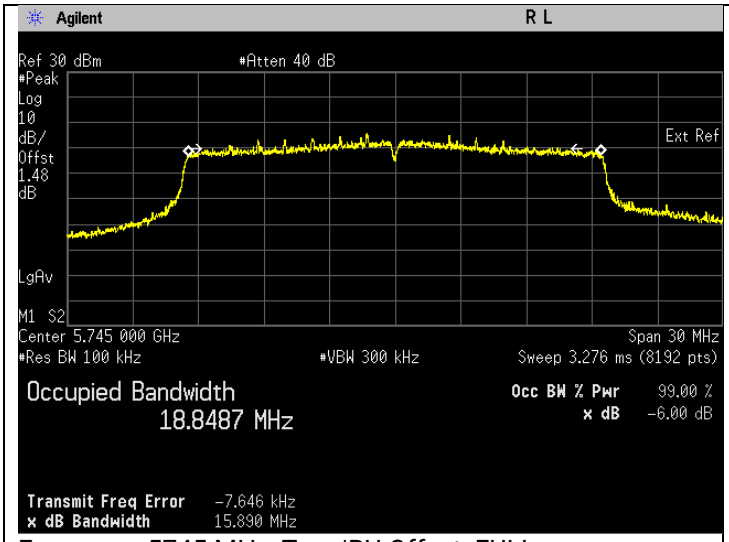


Frequency 5825 MHz, Tone|RU Offset: 52RU40

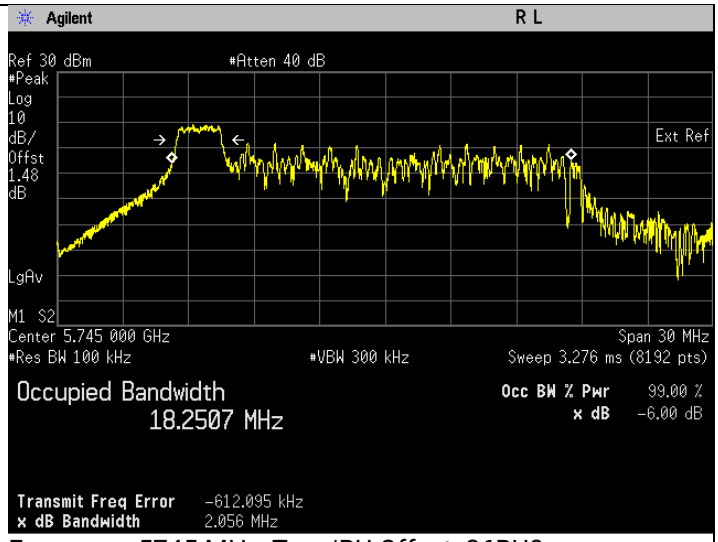


Frequency 5825 MHz, Tone|RU Offset: 106RU54

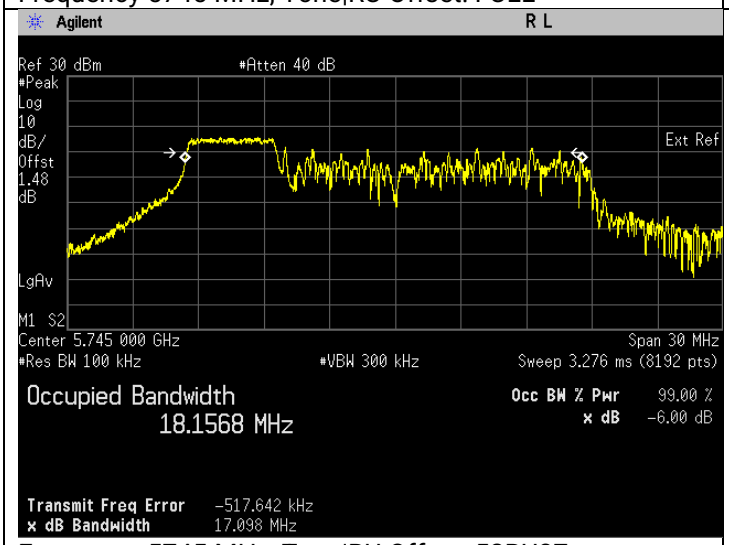
Antenna 2



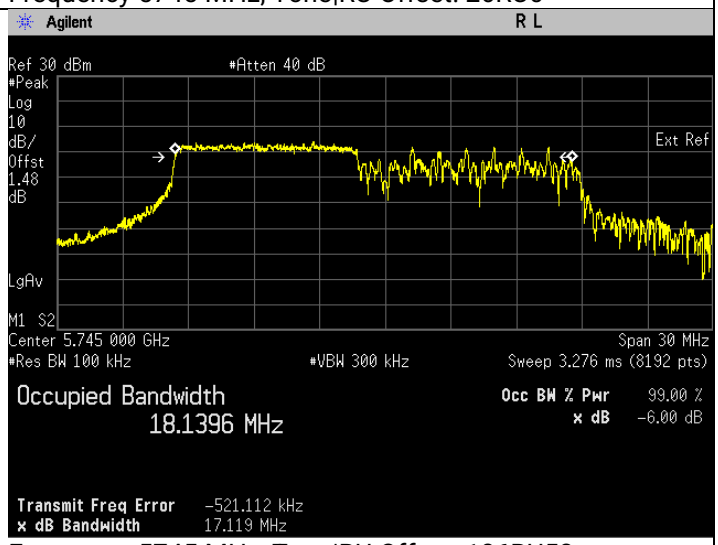
Frequency 5745 MHz, Tone|RU Offset: FULL



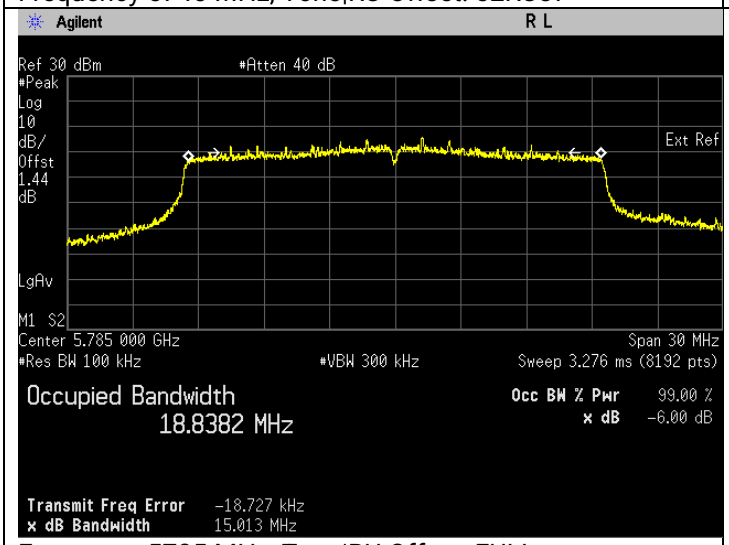
Frequency 5745 MHz, Tone|RU Offset: 26RU0



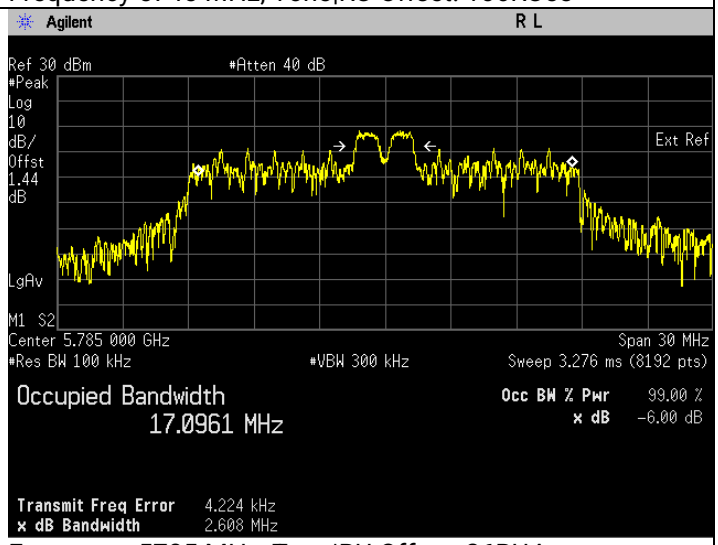
Frequency 5745 MHz, Tone|RU Offset: 52RU37



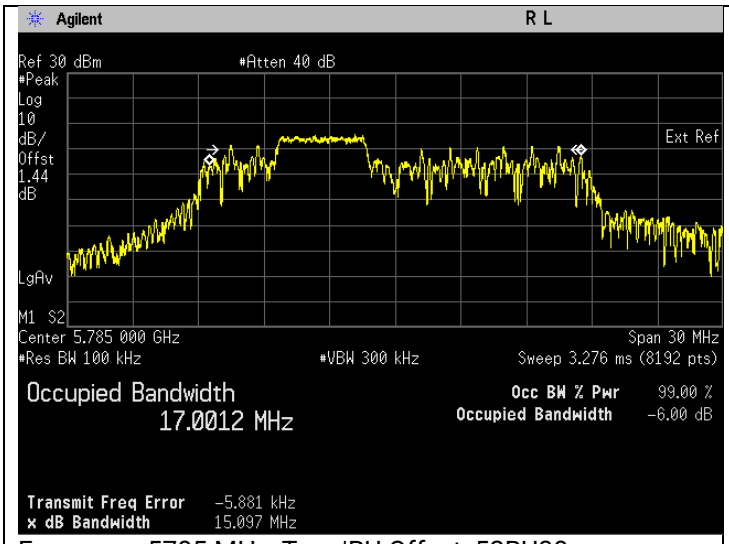
Frequency 5745 MHz, Tone|RU Offset: 106RU53



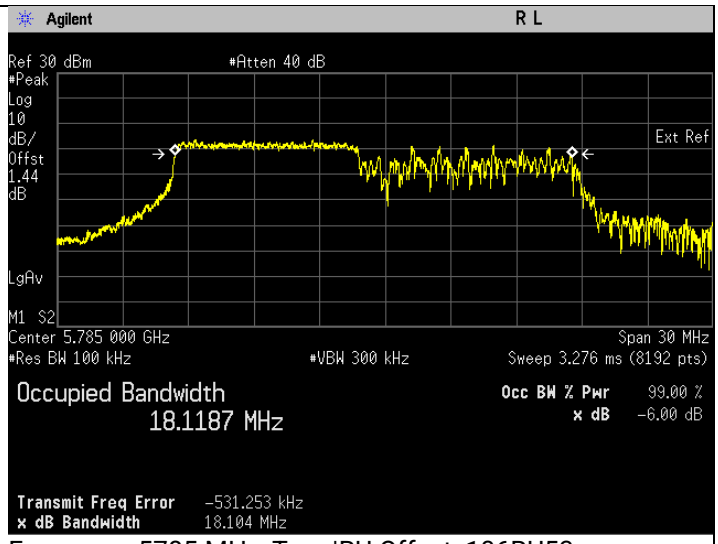
Frequency 5785 MHz, Tone|RU Offset: FULL



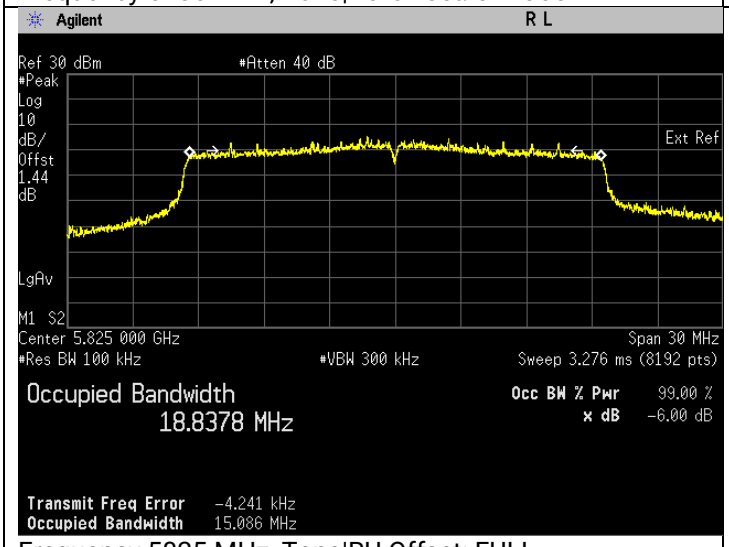
Frequency 5785 MHz, Tone|RU Offset: 26RU4



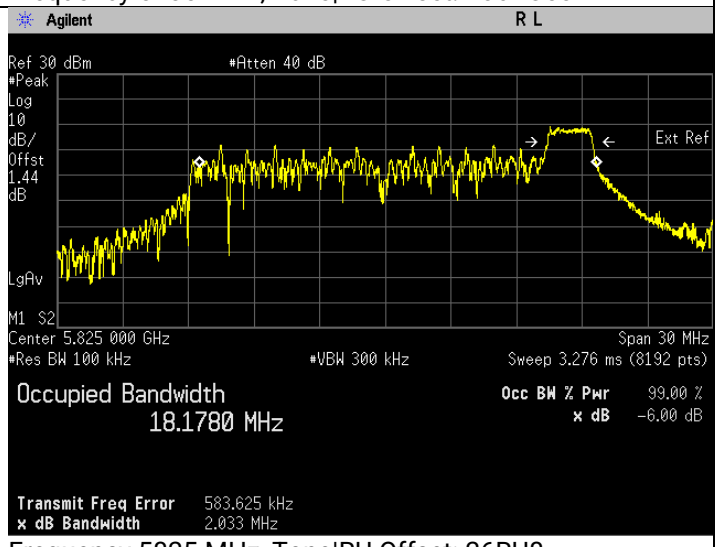
Frequency 5785 MHz, Tone|RU Offset: 52RU38



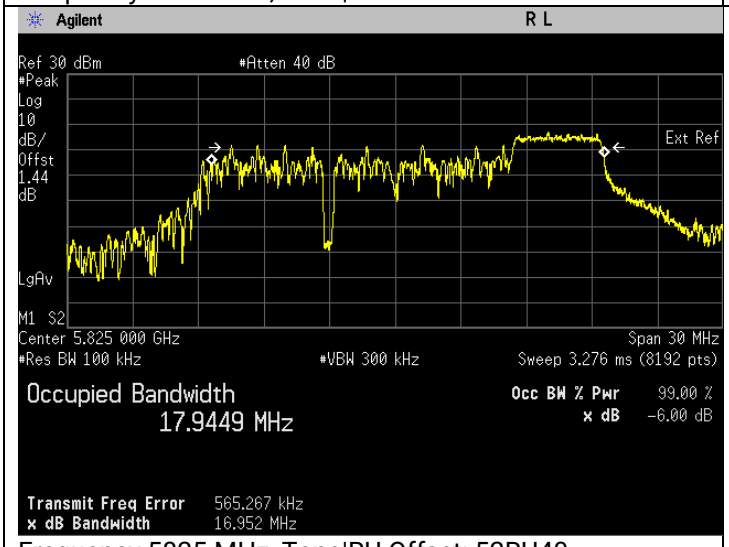
Frequency 5785 MHz, Tone|RU Offset: 106RU53



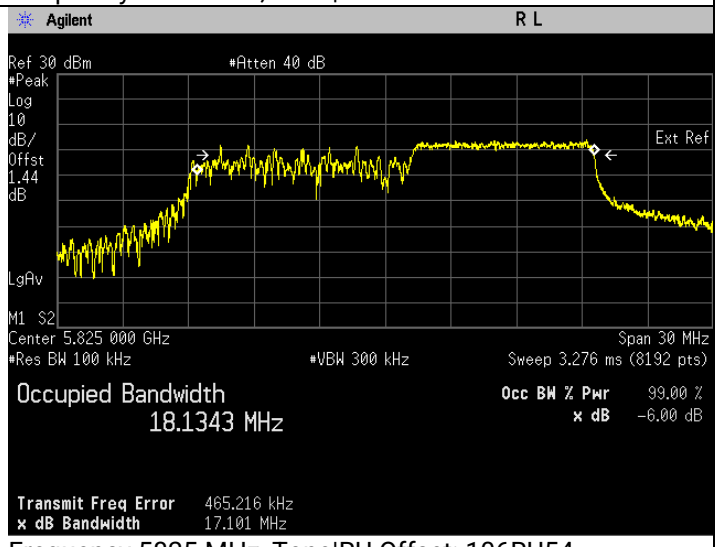
Frequency 5825 MHz, Tone|RU Offset: FULL



Frequency 5825 MHz, Tone|RU Offset: 26RU8



Frequency 5825 MHz, Tone|RU Offset: 52RU40



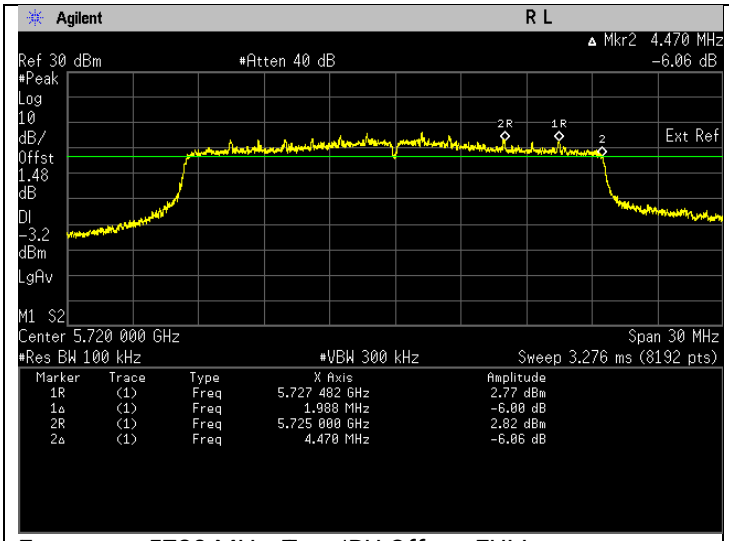
Frequency 5825 MHz, Tone|RU Offset: 106RU54

Straddle Frequency for 802.11ax (HE20)

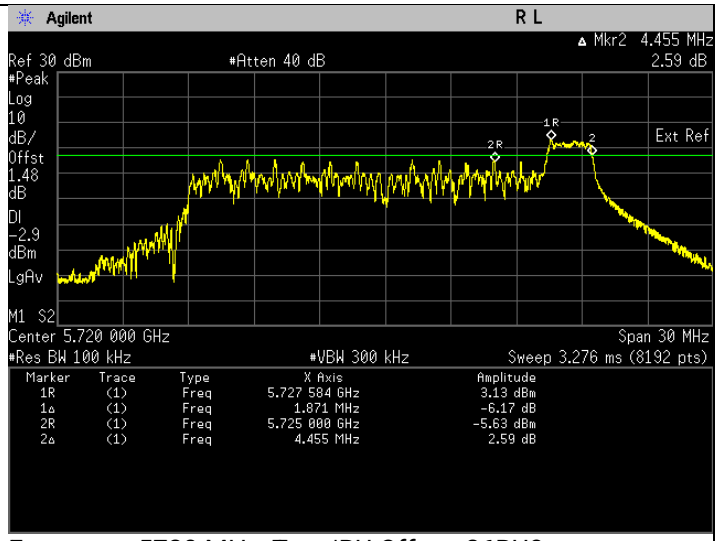
Freq. (MHz)	Test Conditions	Results			
		U-NII-3			
		Antenna 1		Antenna 2	
		Power/Freq. (dBm/MHz)	Status	Power/Freq. (dBm/MHz)	Status
5720	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	4.470	Pass	4.437	Pass
5720	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 26RU8	4.455	Pass	4.451	Pass
5720	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 52RU40	4.444	Pass	4.444	Pass
5720	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: 106RU54	4.543	Pass	4.554	Pass

Plots for 802.11ax (HE20) Straddle Frequency

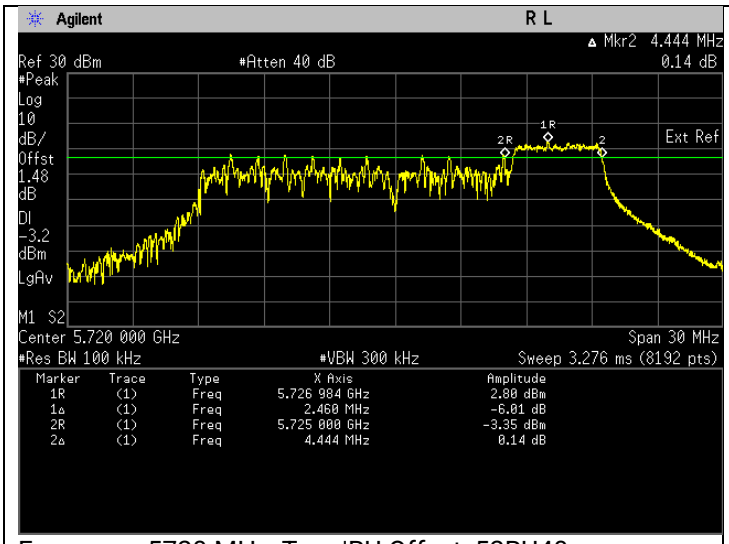
Antenna 1



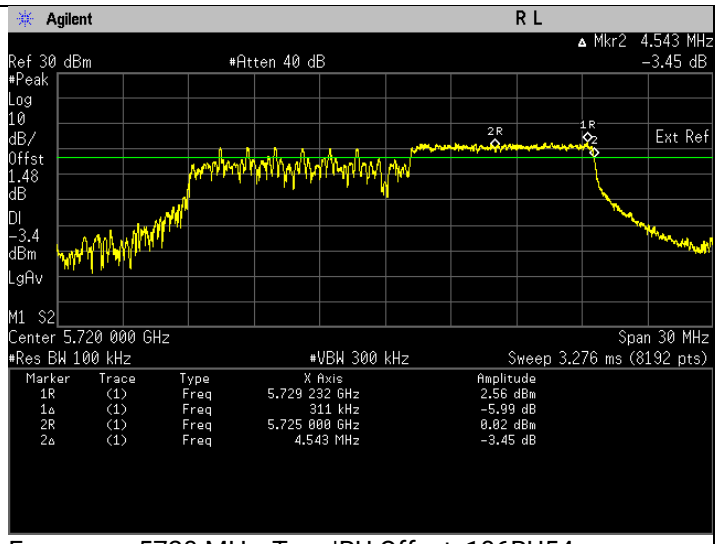
Frequency 5720 MHz, Tone|RU Offset: FULL



Frequency 5720 MHz, Tone|RU Offset: 26RU8

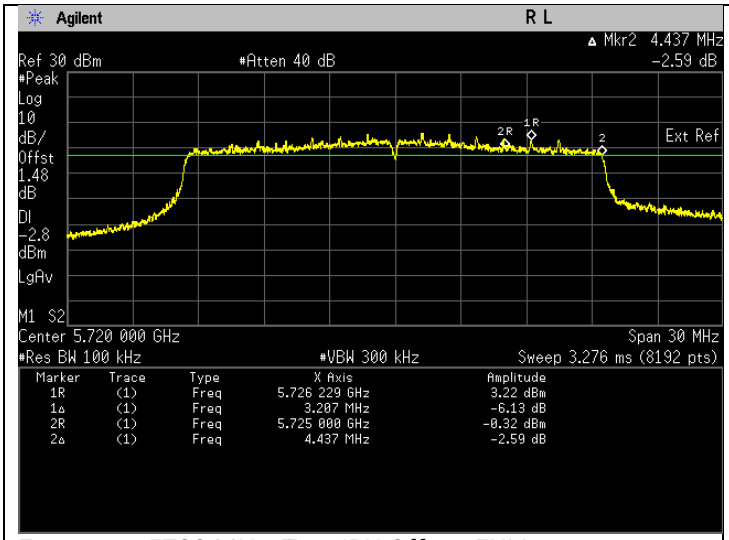


Frequency 5720 MHz, Tone|RU Offset: 52RU40

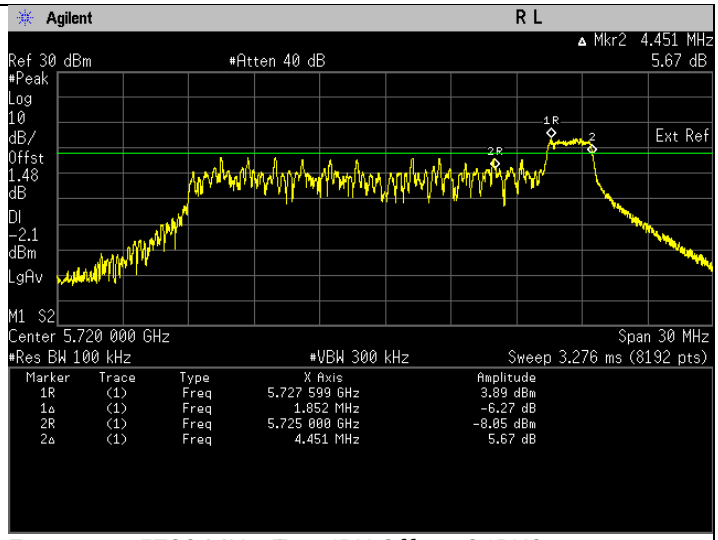


Frequency 5720 MHz, Tone|RU Offset: 106RU54

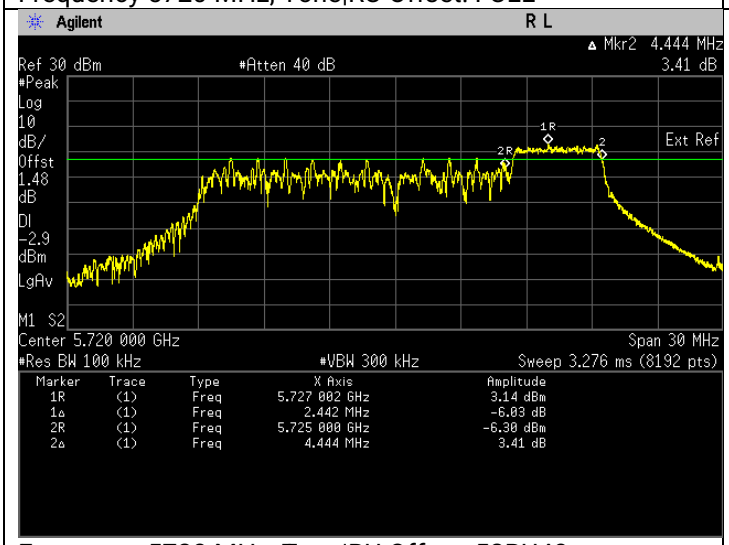
Antenna 2



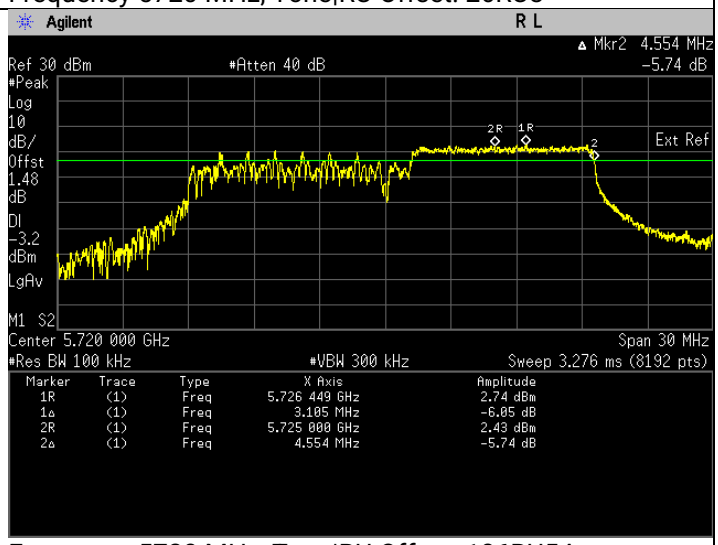
Frequency 5720 MHz, Tone|RU Offset: FULL



Frequency 5720 MHz, Tone|RU Offset: 26RU8



Frequency 5720 MHz, Tone|RU Offset: 52RU40



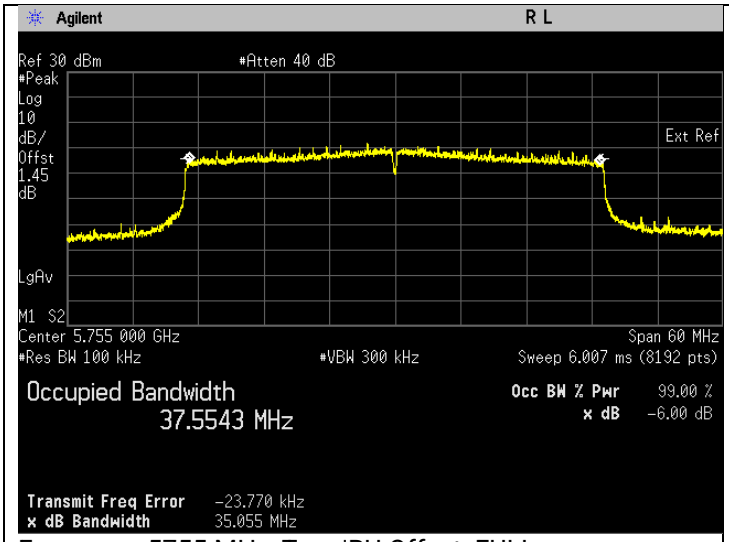
Frequency 5720 MHz, Tone|RU Offset: 106RU54

802.11ax (HE40)

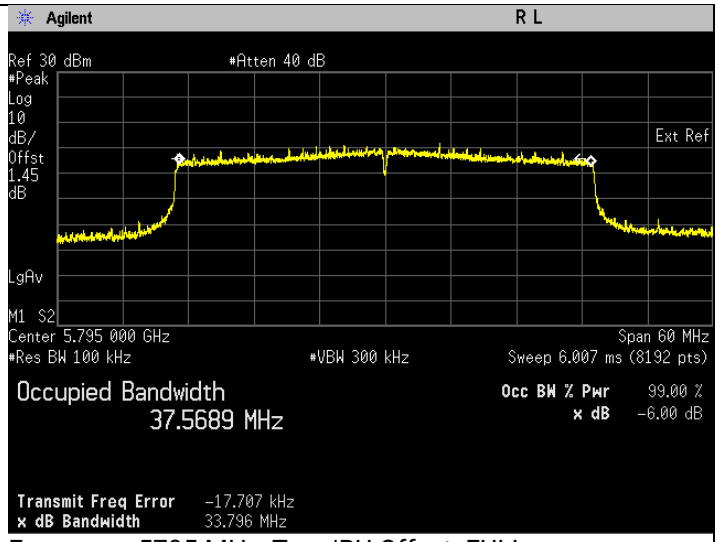
Freq. (MHz)	Test Configuration	Results			
		Bandwidth(MHz)			
		Ant 1	Status	Ant 2	Status
5755	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	35.055	Pass	35.109	Pass
5795	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	33.796	Pass	35.108	Pass

Plots for 802.11ax (HE40)

Antenna 1

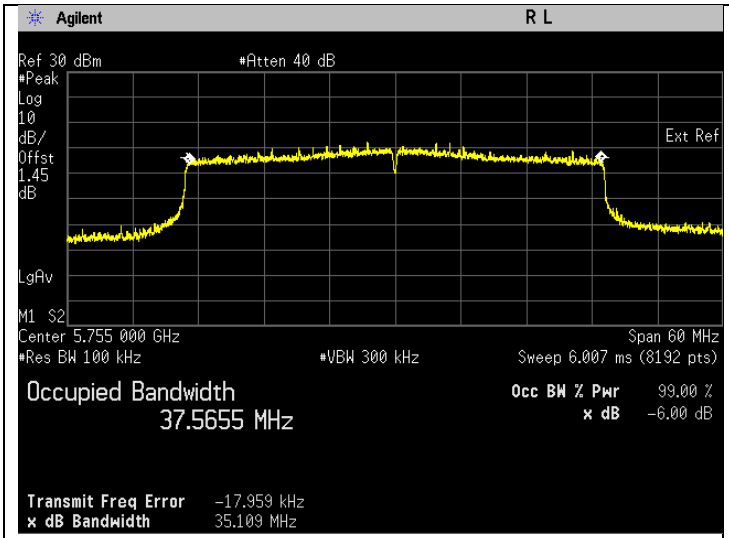


Frequency 5755 MHz, Tone|RU Offset: FULL

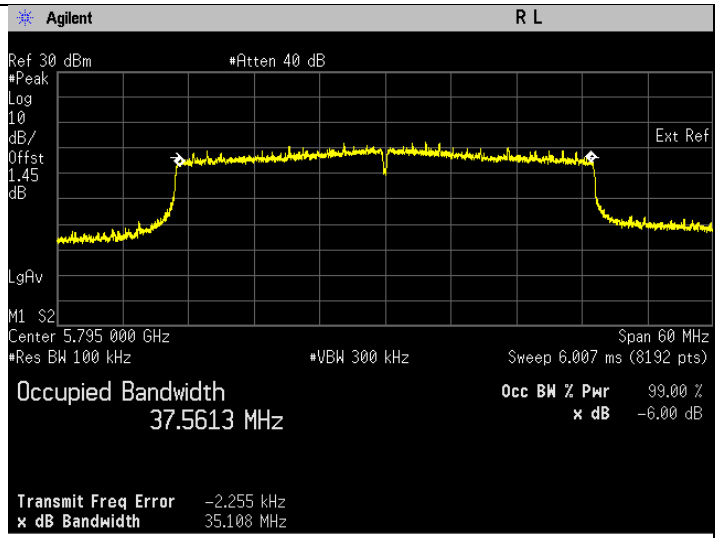


Frequency 5795 MHz, Tone|RU Offset: FULL

Antenna 2



Frequency 5755 MHz, Tone|RU Offset: FULL



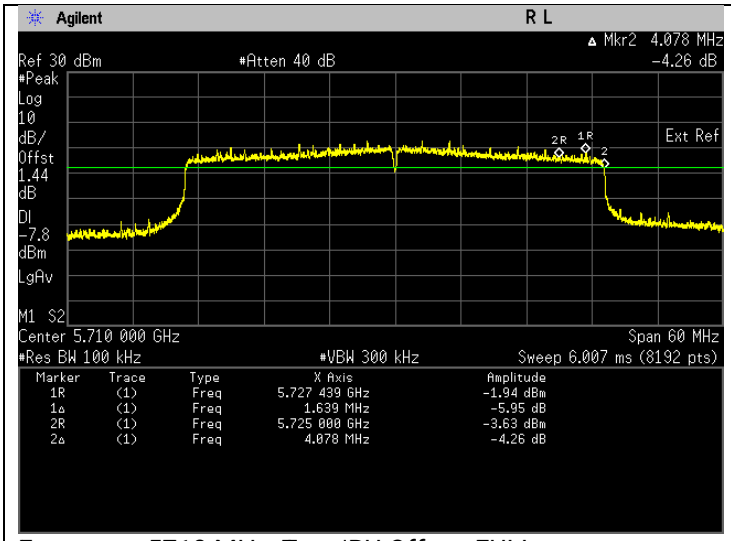
Frequency 5795 MHz, Tone|RU Offset: FULL

Straddle Frequency for 802.11ax (HE40)

Freq. (MHz)	Test Conditions	Results			
		U-NII- 3			
		Antenna 1		Antenna 2	
		Power/Freq. (dBm/MHz)	Status	Power/Freq. (dBm/MHz)	Status
5710	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	4.078	Pass	3.998	Pass

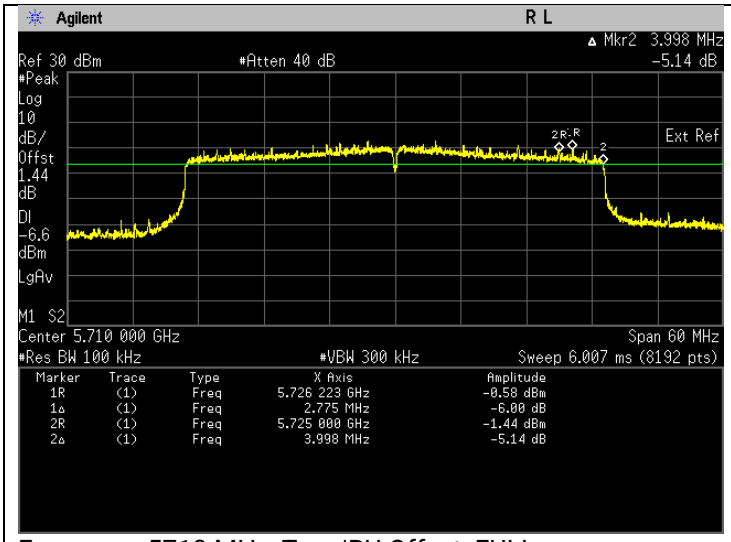
Plots for 802.11ax (HE40) Straddle Frequency

Antenna 1



Frequency 5710 MHz, Tone|RU Offset: FULL

Antenna 2



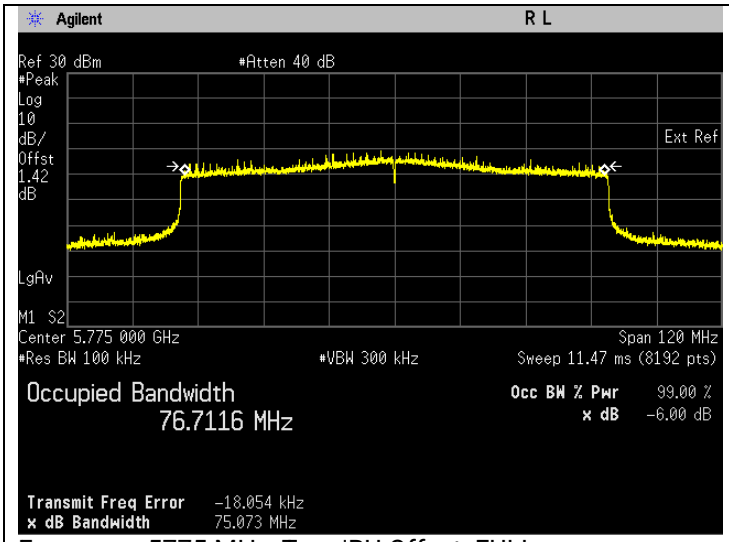
Frequency 5710 MHz, Tone|RU Offset: FULL

802.11ax (HE80)

Freq. (MHz)	Test Configuration	Results			
		Bandwidth(MHz)			
		Ant 1	Status	Ant 2	Status
5775	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	75.073	Pass	75.001	Pass

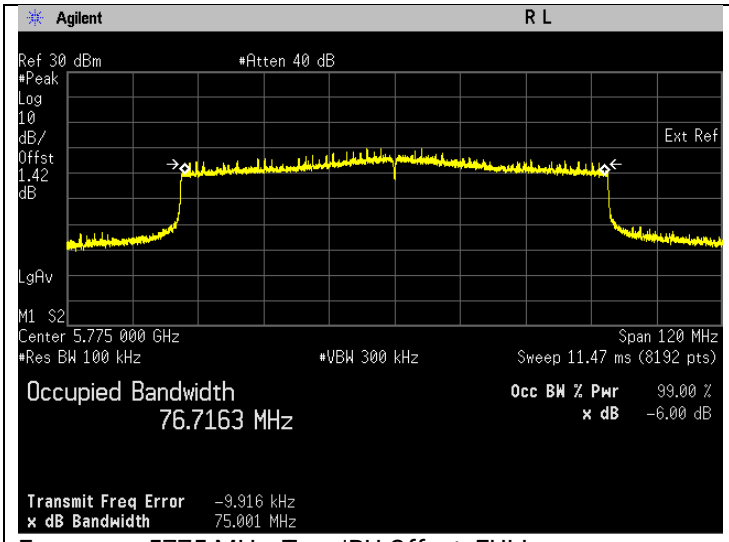
Plots for 802.11ax (HE80)

Antenna 1



Frequency 5775 MHz, Tone|RU Offset: FULL

Antenna 2



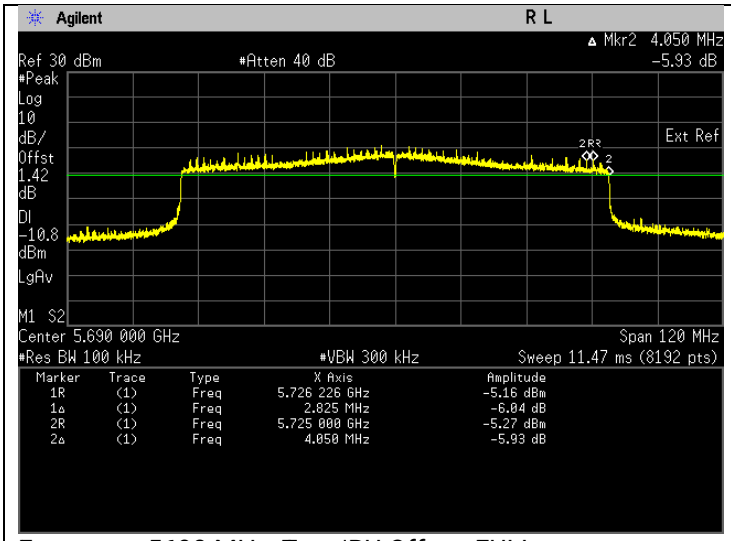
Frequency 5775 MHz, Tone|RU Offset: FULL

Straddle Frequency for 802.11ax (HE80)

Freq. (MHz)	Test Conditions	Results			
		U-NII- 3			
		Antenna 1		Antenna 2	
		Power/Freq. (dBm/MHz)	Status	Power/Freq. (dBm/MHz)	Status
5690	Mod Type: OFDMA, Mod Tech: BPSK, Tone|RU Offset: FULL	4.050	Pass	4.050	Pass

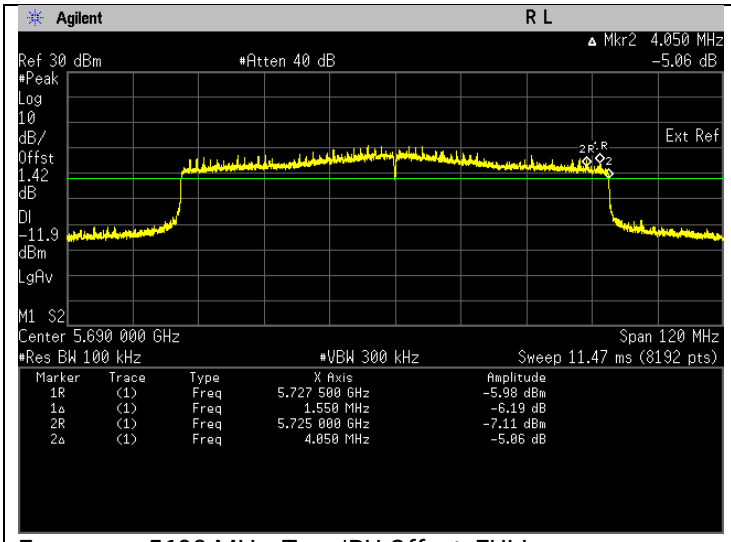
Plots for 802.11ax (HE80) Straddle Frequency

Antenna 1



Frequency 5690 MHz, Tone|RU Offset: FULL

Antenna 2

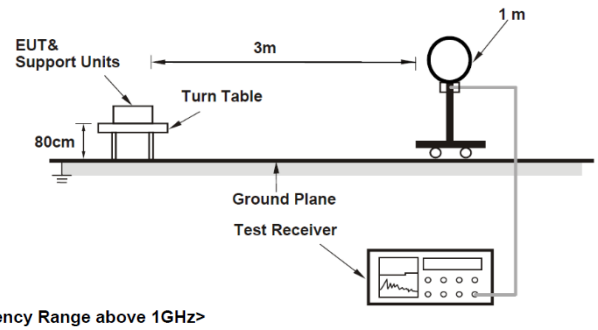


Frequency 5690 MHz, Tone|RU Offset: FULL

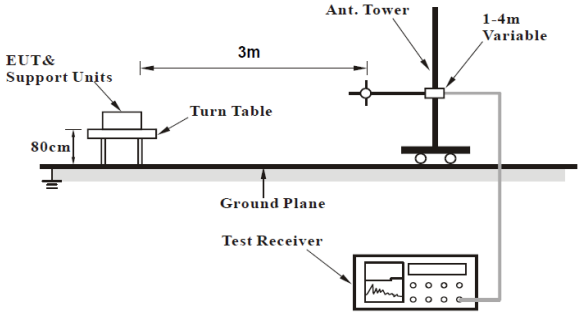
6.5. Band Edge Radiated Spurious Emission Measurement

6.5.1. Test Setup

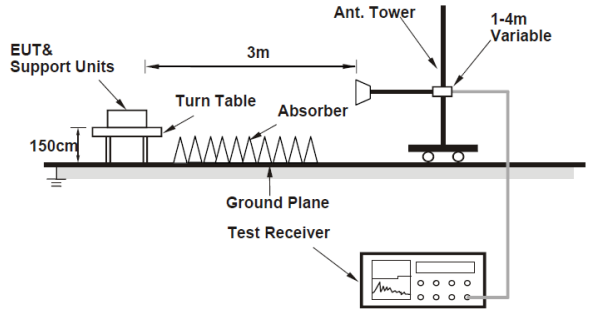
<Radiated emission below 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



1. The EUT is placed on the top of a rotating table 0.8m/1.5m above the ground at a 3m semi-anechoic chamber. The table is rotated 360 degrees to determine the position of the highest radiation.
2. The EUT is set 3m away from the interference-receiving antenna, which is mounted on the top of a variable-height antenna tower.
3. The antenna is Bilog/Horn antenna depend on which frequency range uses, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT is arranged to its worst case and then the antenna is tuned to heights from 1m to 4m and the rotatable table is turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode is fall within the range of 10dB from the limit specified, the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Otherwise, the testing could be stopped and the peak values of the EUT would be reported.

NOTE:

a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection at frequency below 1GHz.
b. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1 GHz.
c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection using reduced video bandwidth (Duty cycle ≥98%) at frequency above 1GHz.
d. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 1/ τ Hz, where τ is minimum transmitter on time (Duty cycle <98%) for Average detection using reduced video bandwidth at frequency above 1GHz.
e. All modes of operation were investigated and the worst-case emissions are reported.

6.5.2. Test Limits

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

NOTE:

a. The lower limit shall apply at the transition frequencies.
b. Emission level (dBuV/m) = 20 log Emission level (uV/m).
c. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

For Radiated emissions which fall out of the restricted bands must comply with the radiated emission limits specified as below table.

Applicable To		Limit	
789033 D02 General UNII Test Procedures New Rules v01r03		Field Strength at 3 m	
		PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Frequency Band	**Applicable To**	**EIRP Limit**	**Equivalent Field Strength at 3 m**
5150~5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2 (dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8 (dBμV/m) *3 PK:122.2 (dBμV/m) *4
	15.407(b)(4)(ii)	Emission limits in section 15.247(d)	

*1 beyond 75 MHz or more above of the band edge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

NOTE:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

E = ((1000000√ (30P)) / 3) μV/m, where P is the eirp (Watts)

6.5.3. Test Result

802.11a

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 14.5
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5180.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Low Channel) tabular data

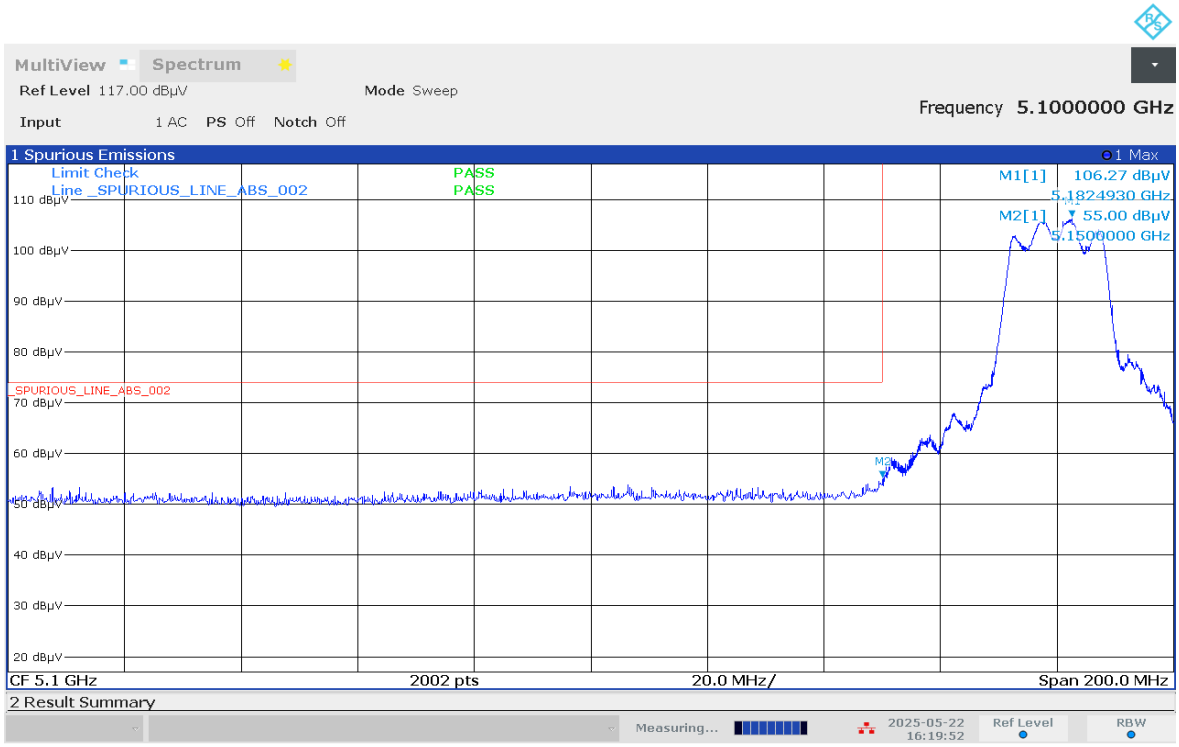
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5150.0000	-	55.0005	43.7257	-	74.0000	54.0000	-	18.9995	10.2743	-
Horizontal Radiated Emission Result										
5150.0000	-	53.3907	44.5062	-	74.0000	54.0000	-	20.6093	9.4938	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

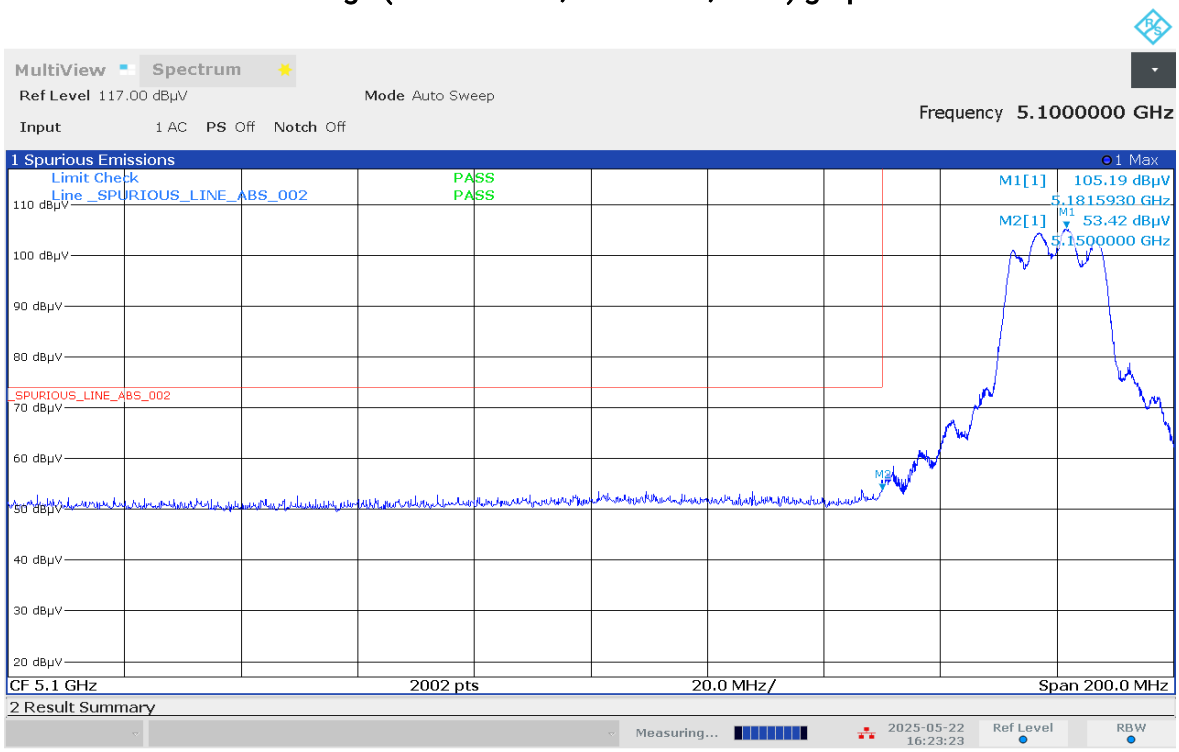
Humidity (%): 68.1
Test Date: Thu, 22 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



04:19:52 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot

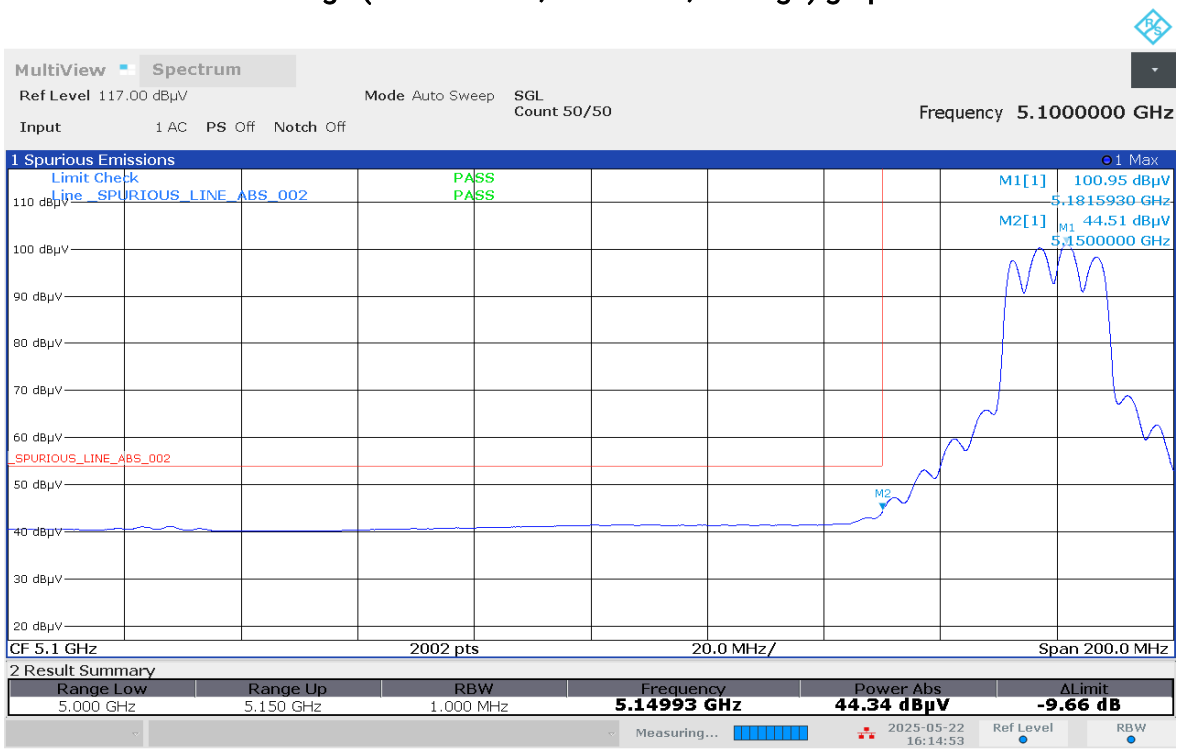


04:23:23 PM 05/22/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot

03:59:16 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot



04:14:54 PM 05/22/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5320.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

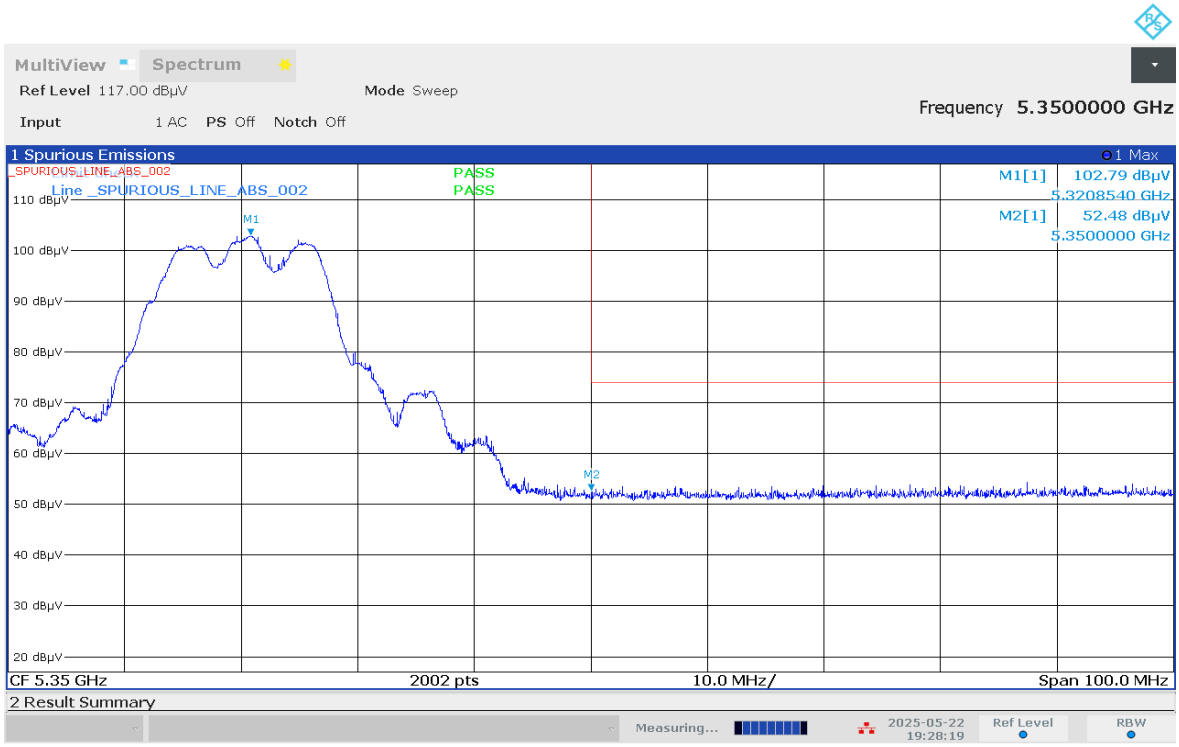
Restricted Band Edge (High Channel) tabular data

Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5350.0000	-	52.4849	42.4691	-	74.0000	54.0000	-	21.5151	11.5309	-
5398.4266	-	-	42.7421	-	-	54.0000	-	-	11.2579	-
Horizontal Radiated Emission Result										
5350.0000	-	53.4226	42.7794	-	74.0000	54.0000	-	20.5774	11.2206	-
5350.4246	-	-	42.7808	-	-	54.0000	-	-	11.2192	-

Remarks: Pass Result	Marginal Result	Fail Result

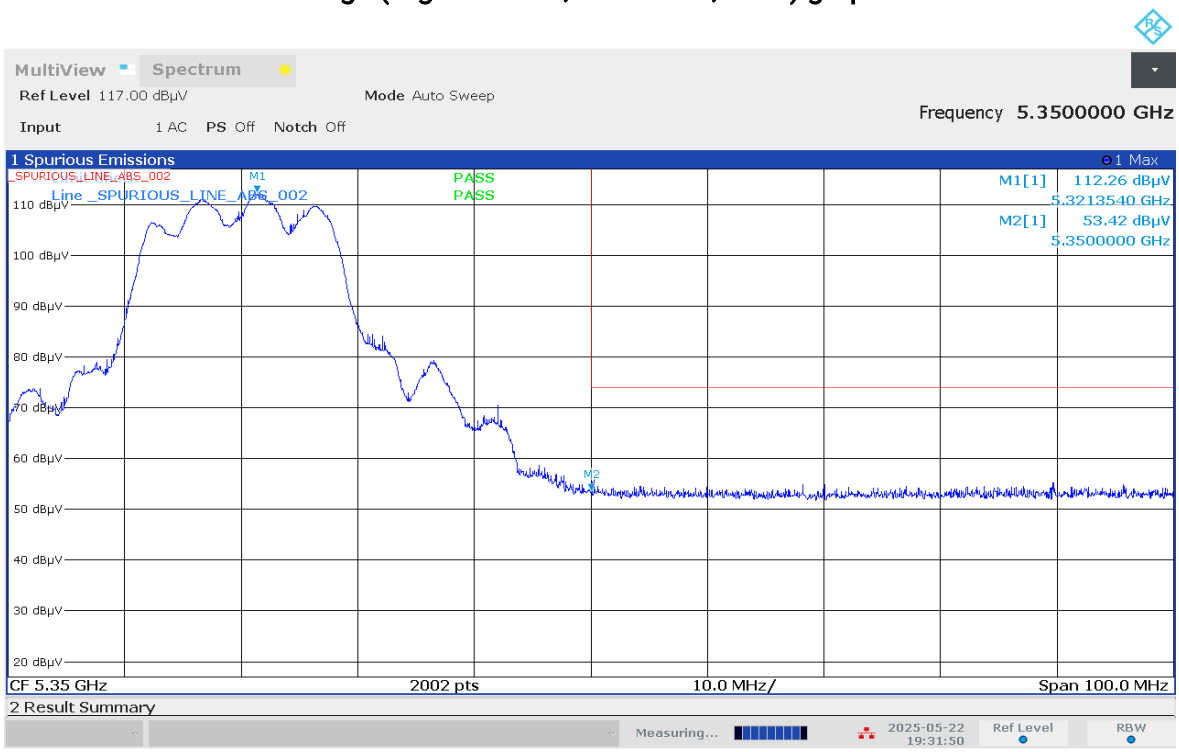
Temperature (degC): 23.3
Humidity (%): 68.1
Test Performed by: Nazrin & Fuad
Test Date: Thu, 22 May, 2025
System MU: 5.14dB

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



07:28:19 PM 05/22/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot

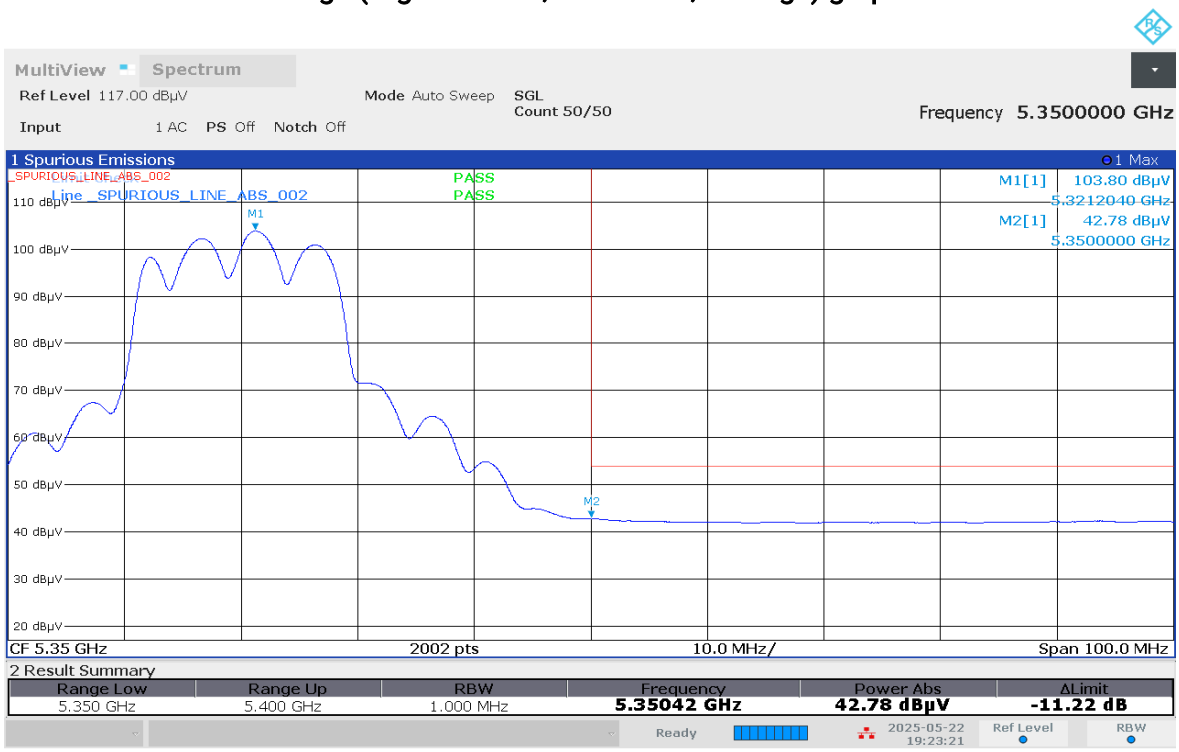


07:31:50 PM 05/22/2025

Restricted Band Edge (High Channel, Vertical, Average) graphical screen shot

07:13:42 PM 05/22/2025

Restricted Band Edge (High Channel, Horizontal, Average) graphical screen shot



07:23:22 PM 05/22/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5500.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Low Channel) tabular data

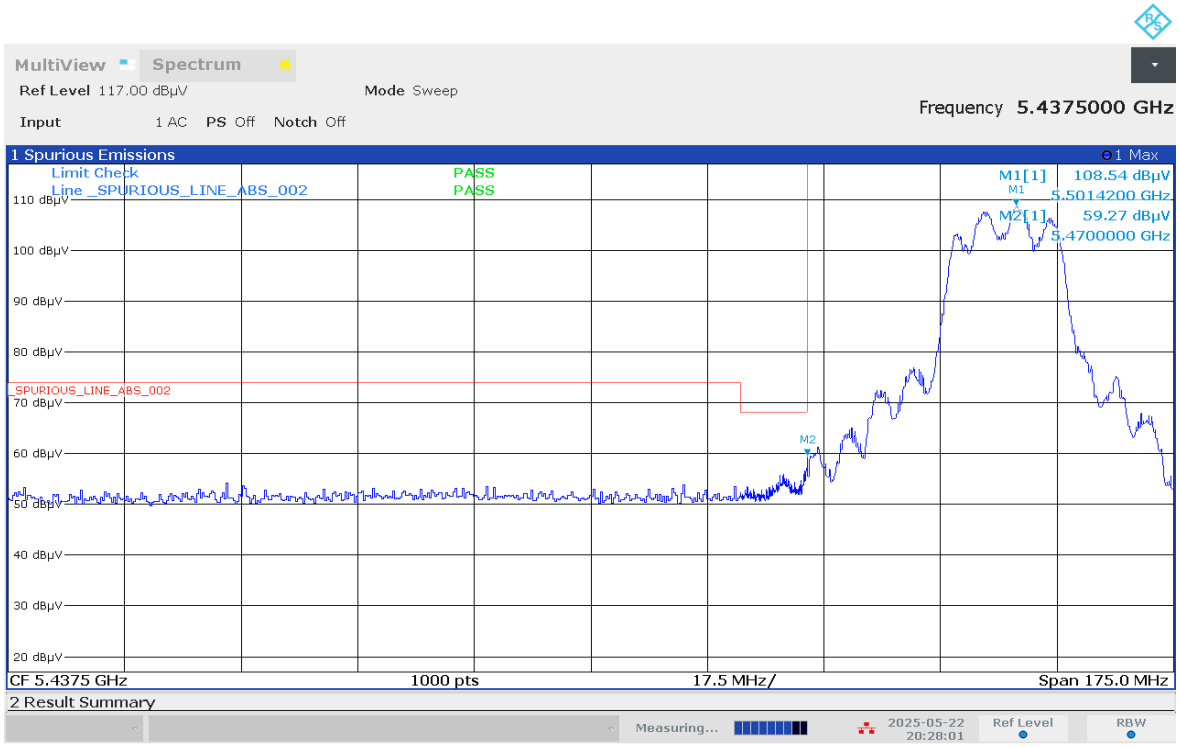
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5460.0000	-	-	40.6578	-	-	54.0000	-	-	13.3422	-
5470.0000	-	59.2666	-	-	68.2000	-	-	8.9334	-	-
Horizontal Radiated Emission Result										
5353.1625	-	-	43.2402	-	-	54.0000	-	-	10.7598	-
5460.0000	-	-	41.4520	-	-	54.0000	-	-	12.5480	-
5470.0000	-	54.1259	-	-	68.2000	-	-	14.0741	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

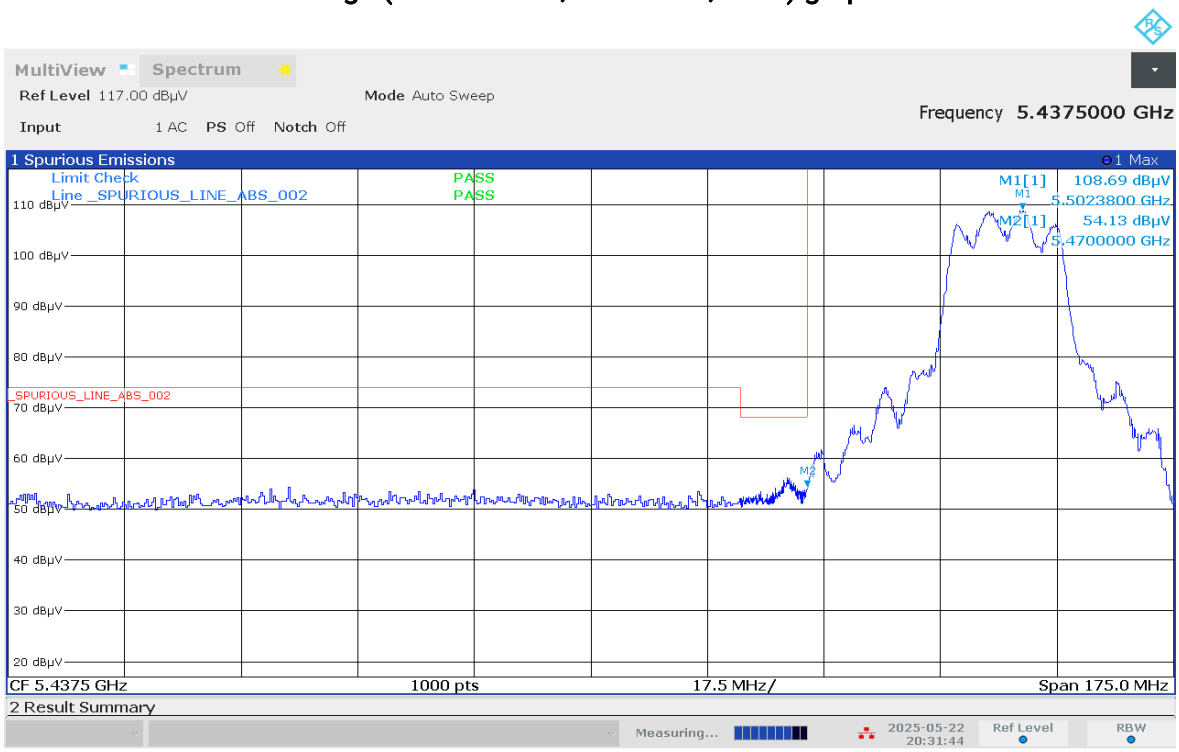
Humidity (%): 68.1
Test Date: Thu, 22 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



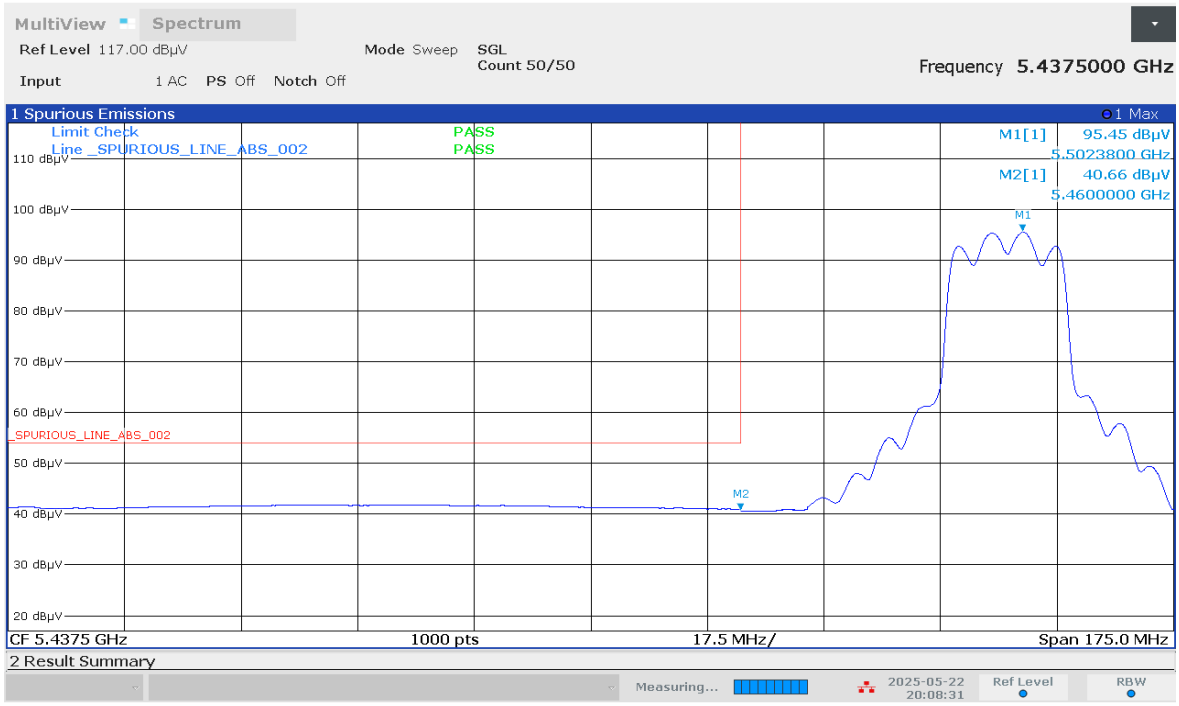
08:28:02 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



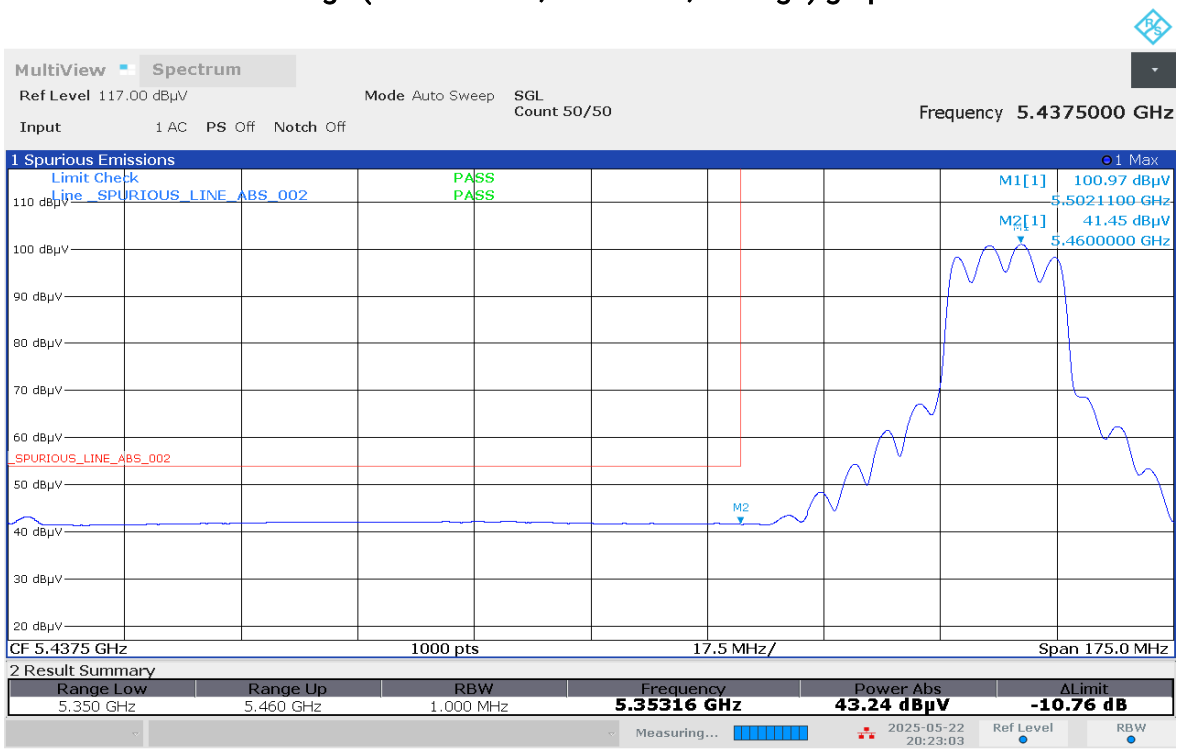
08:31:45 PM 05/22/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot



08:08:31 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot



08:23:03 PM 05/22/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5700.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

Restricted Band Edge (High Channel) tabular data

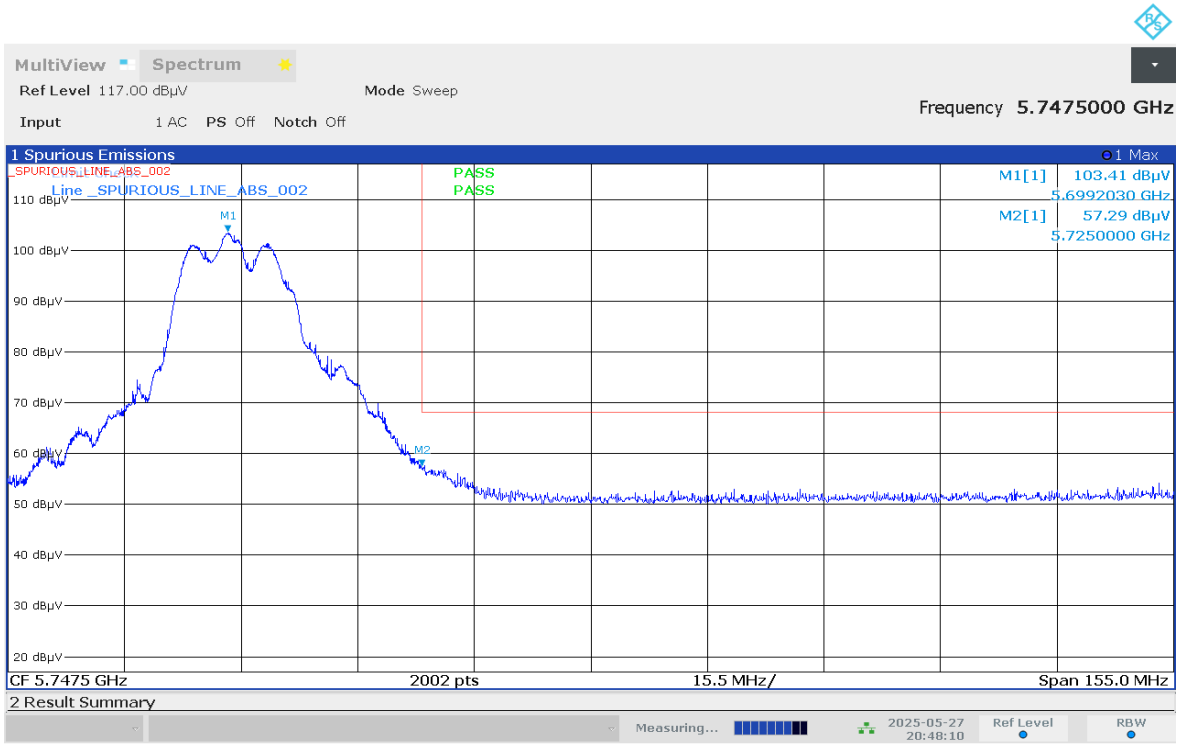
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5725.0000	-	57.2897	-	-	68.2000	-	-	10.9103	-	-
Horizontal Radiated Emission Result										
5725.0000	-	61.8907	-	-	68.2000	-	-	6.3093	-	-
5725.1499	-	62.3733	-	-	68.2000	-	-	5.8267	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Rezza & Fuad
System MU: 5.14dB

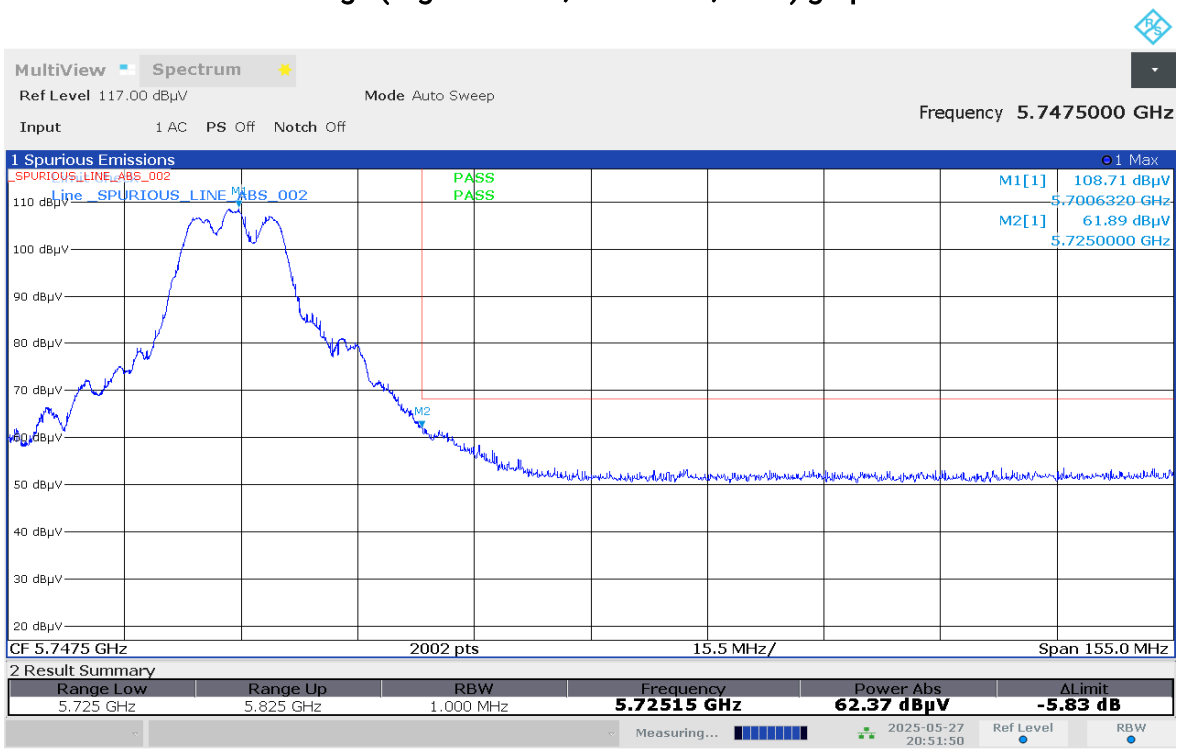
Humidity (%): 68.3
Test Date: Tue, 27 May, 2025

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



08:48:11 PM 05/27/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot



08:51:51 PM 05/27/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: Straddle	Test Frequency: 5720.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Straddle Channel) tabular data

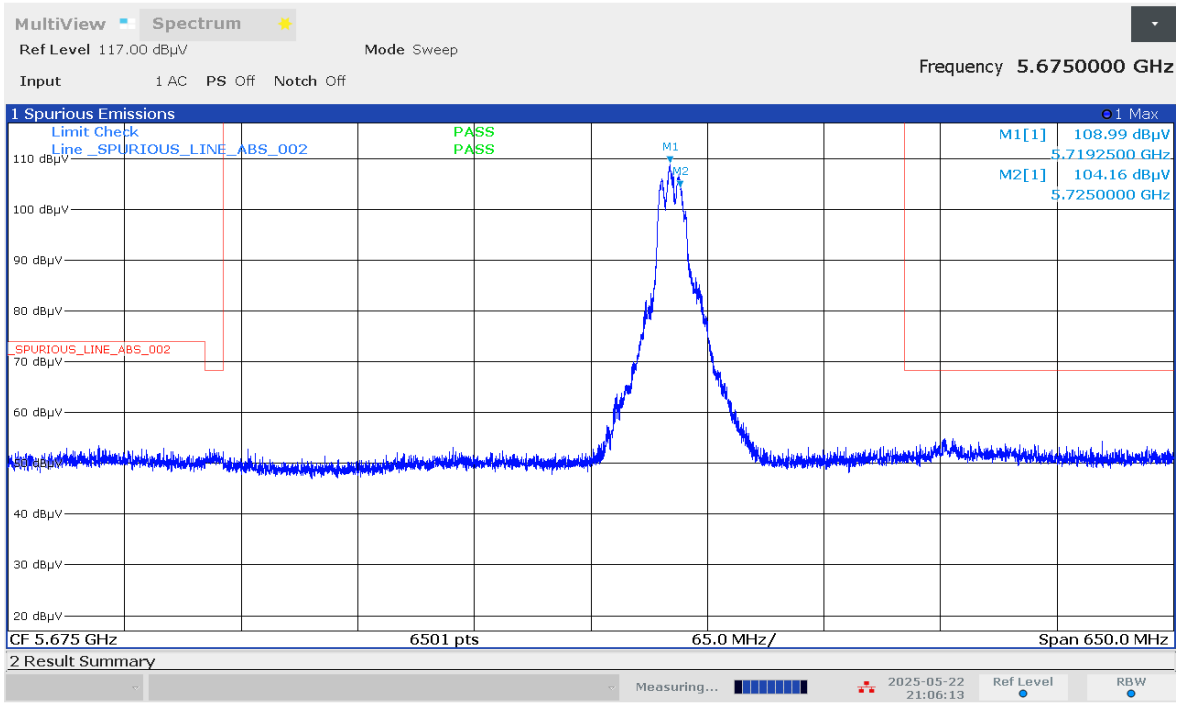
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
Horizontal Radiated Emission Result										

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

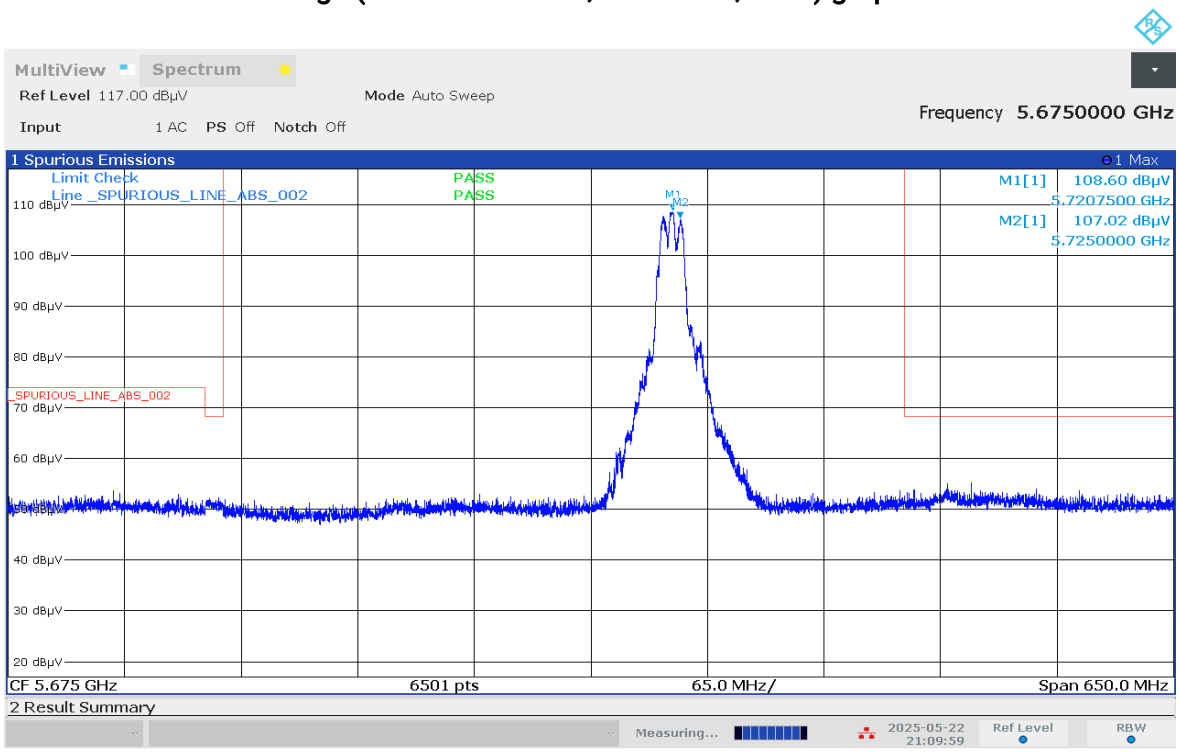
Humidity (%): 68.1
Test Date: Thu, 22 May, 2025

Restricted Band Edge (Straddle Channel, Vertical, Peak) graphical screen shot



09:06:13 PM 05/22/2025

Restricted Band Edge (Straddle Channel, Horizontal, Peak) graphical screen shot



09:09:59 PM 05/22/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5745.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Low Channel) tabular data

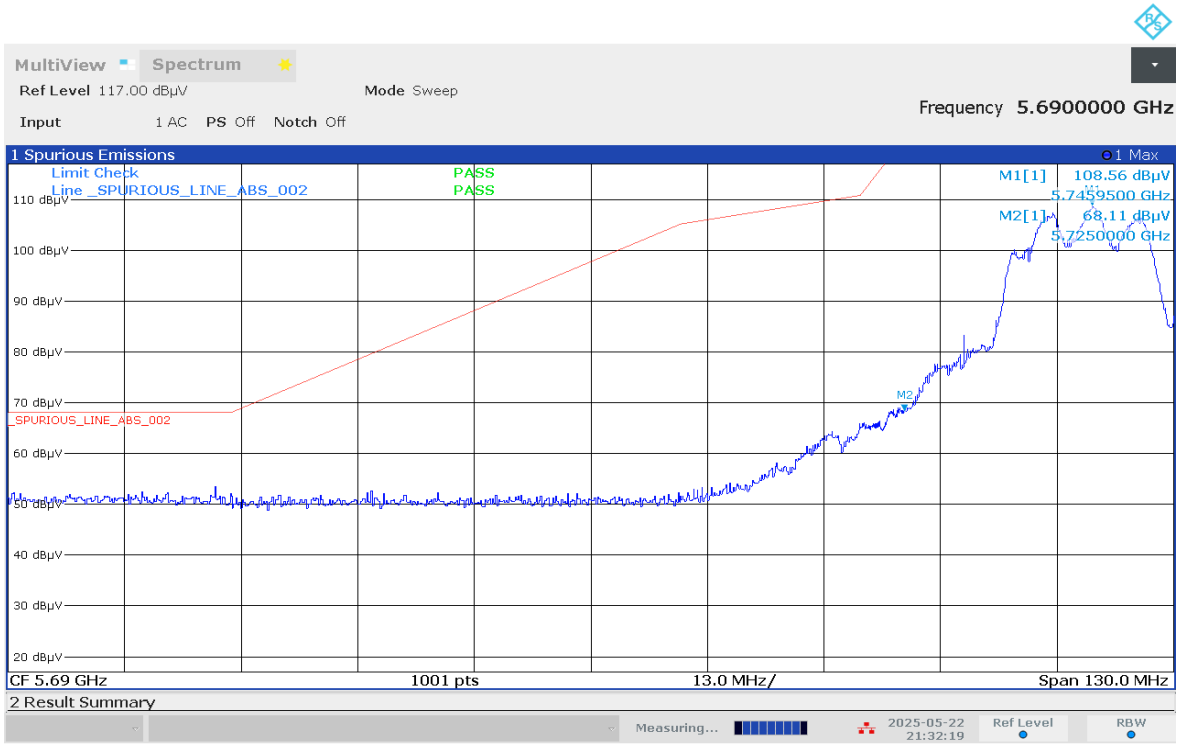
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5725.0000	-	68.1097	-	-	122.2000	-	-	54.0903	-	-
Horizontal Radiated Emission Result										
5725.0000	-	69.2603	-	-	122.2000	-	-	52.9397	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

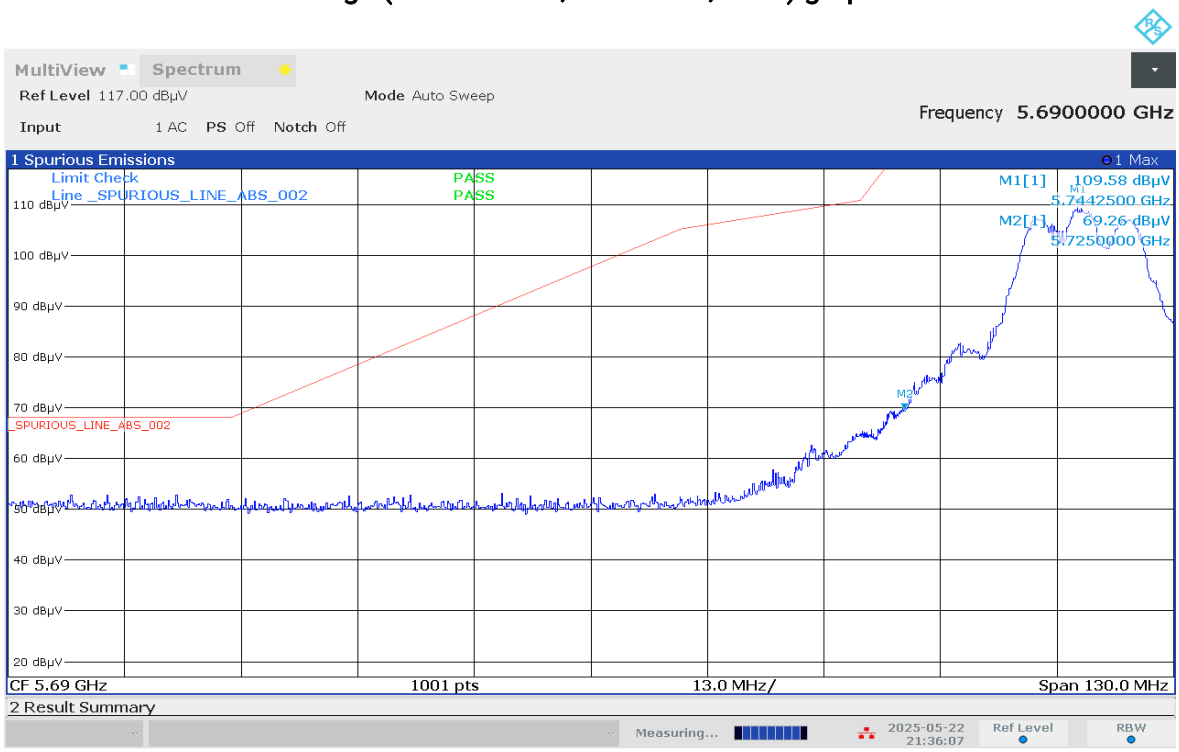
Humidity (%): 68.1
Test Date: Thu, 22 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



09:32:20 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



09:36:07 PM 05/22/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5825.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11a20	Channel Bandwidth: 20 MHz

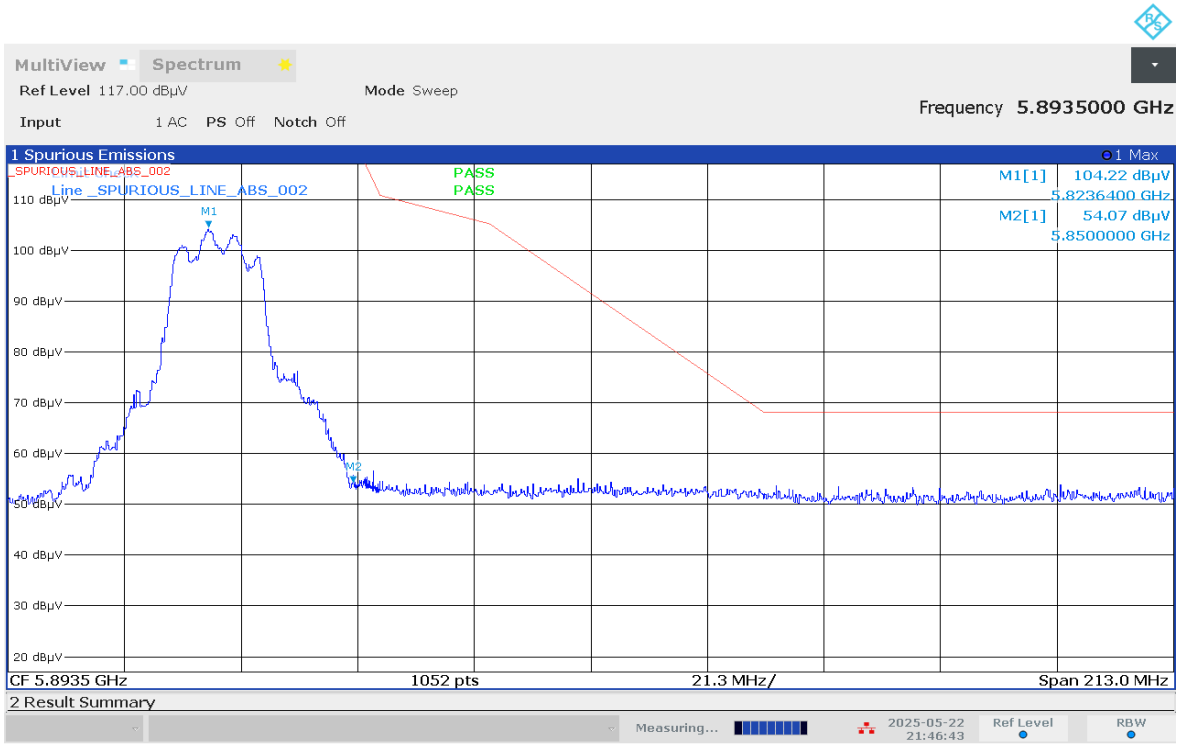
Restricted Band Edge (High Channel) tabular data

Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5850.0000	-	54.0743	-	-	122.2000	-	-	68.1257	-	-
Horizontal Radiated Emission Result										
5850.0000	-	54.8799	-	-	122.2000	-	-	67.3201	-	-

Remarks: Pass Result	Marginal Result	Fail Result

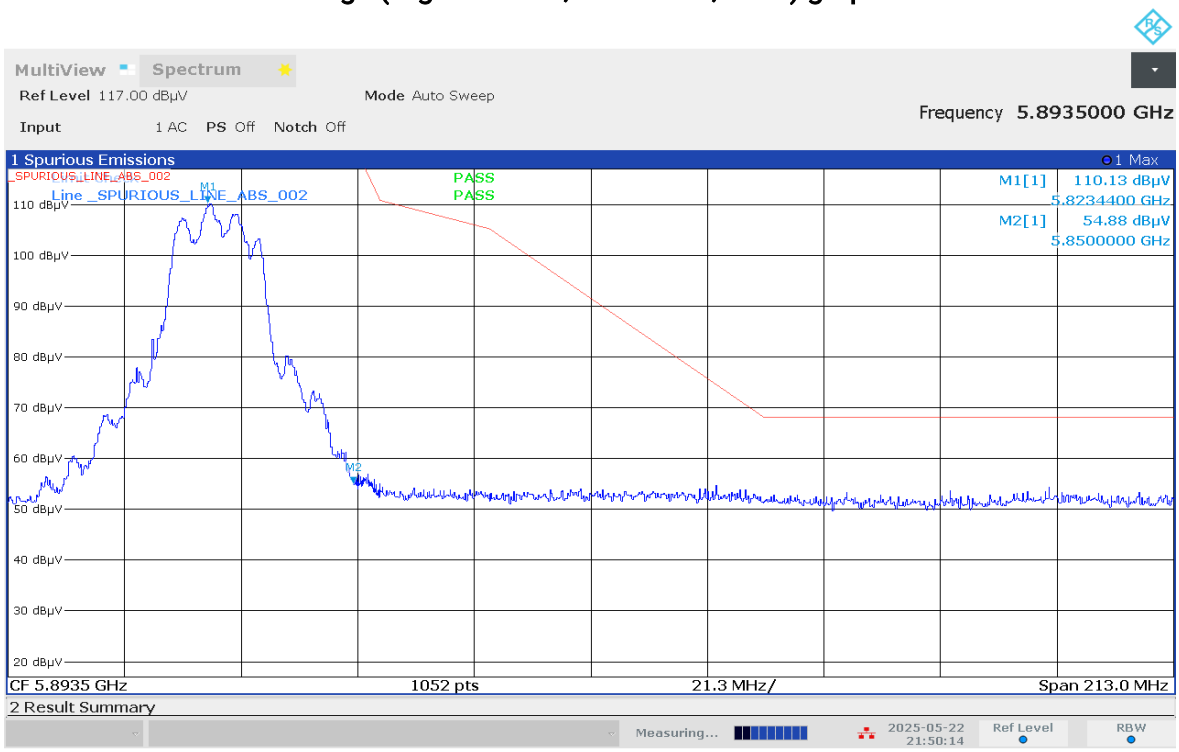
Temperature (degC): 23.3
Humidity (%): 68.1
Test Performed by: Nazrin & Fuad
Test Date: Thu, 22 May, 2025
System MU: 5.14dB

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



09:46:44 PM 05/22/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot



09:50:15 PM 05/22/2025

802.11n (HT20)

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 14.5
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5180.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Low Channel) tabular data

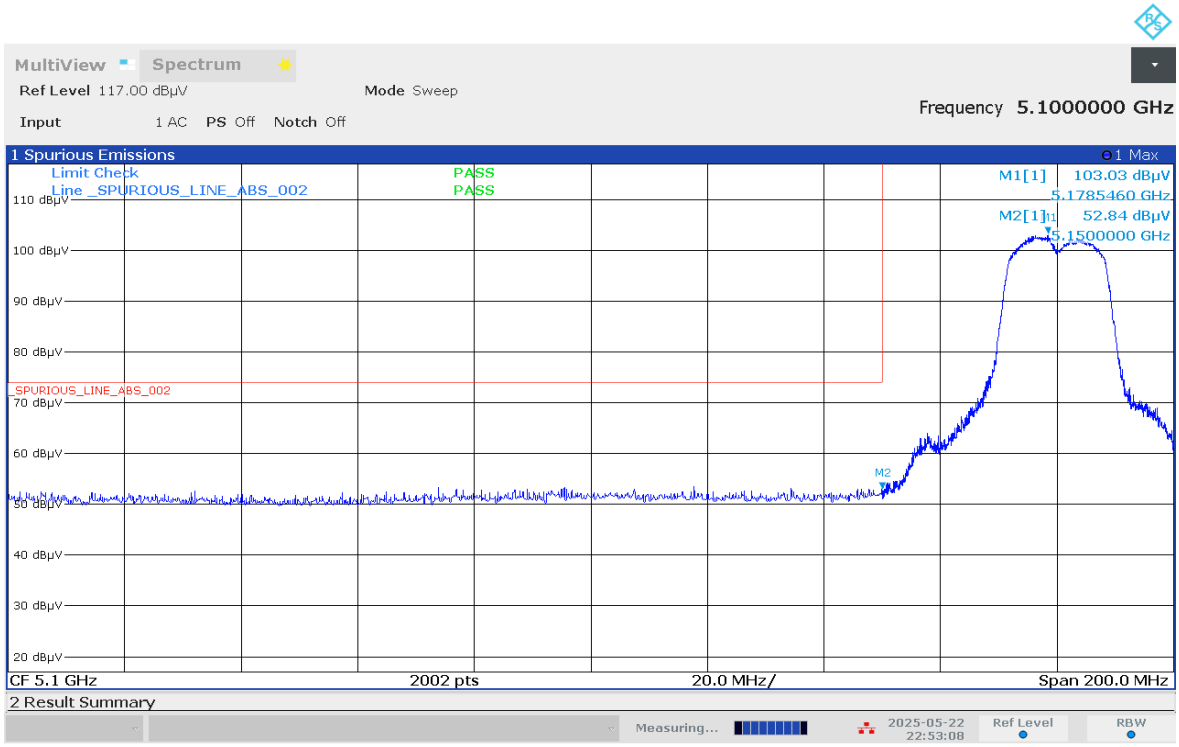
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5150.0000	-	51.6088	42.3620	-	74.0000	54.0000	-	22.3912	11.6380	-
Horizontal Radiated Emission Result										
5150.0000	-	53.2932	44.1601	-	74.0000	54.0000	-	20.7068	9.8399	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

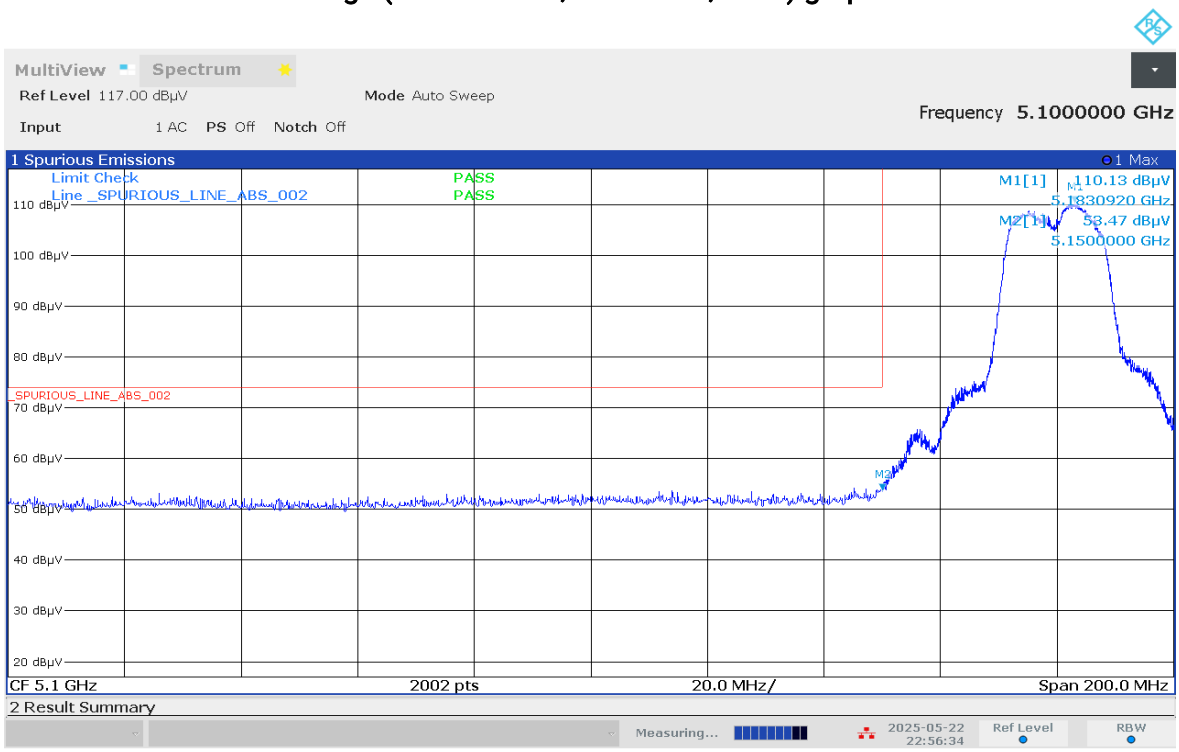
Humidity (%): 68.1
Test Date: Thu, 22 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



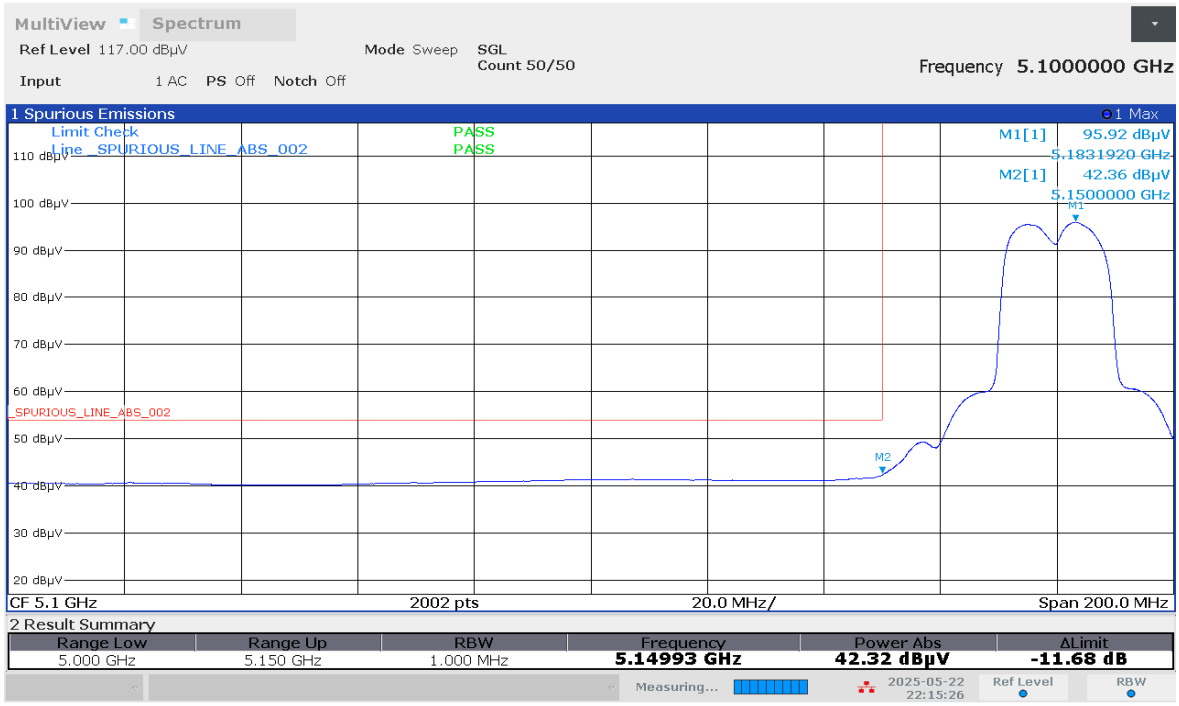
10:53:09 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



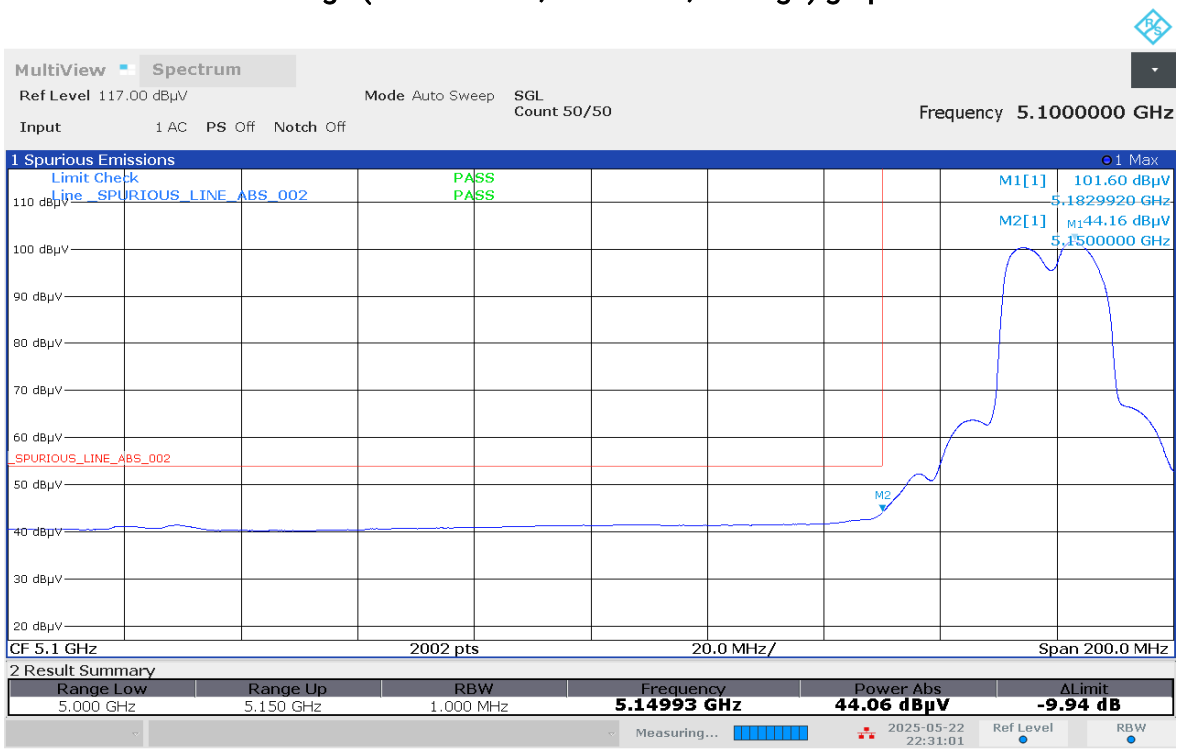
10:56:35 PM 05/22/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot



10:15:27 PM 05/22/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot



10:31:02 PM 05/22/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5320.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (High Channel) tabular data

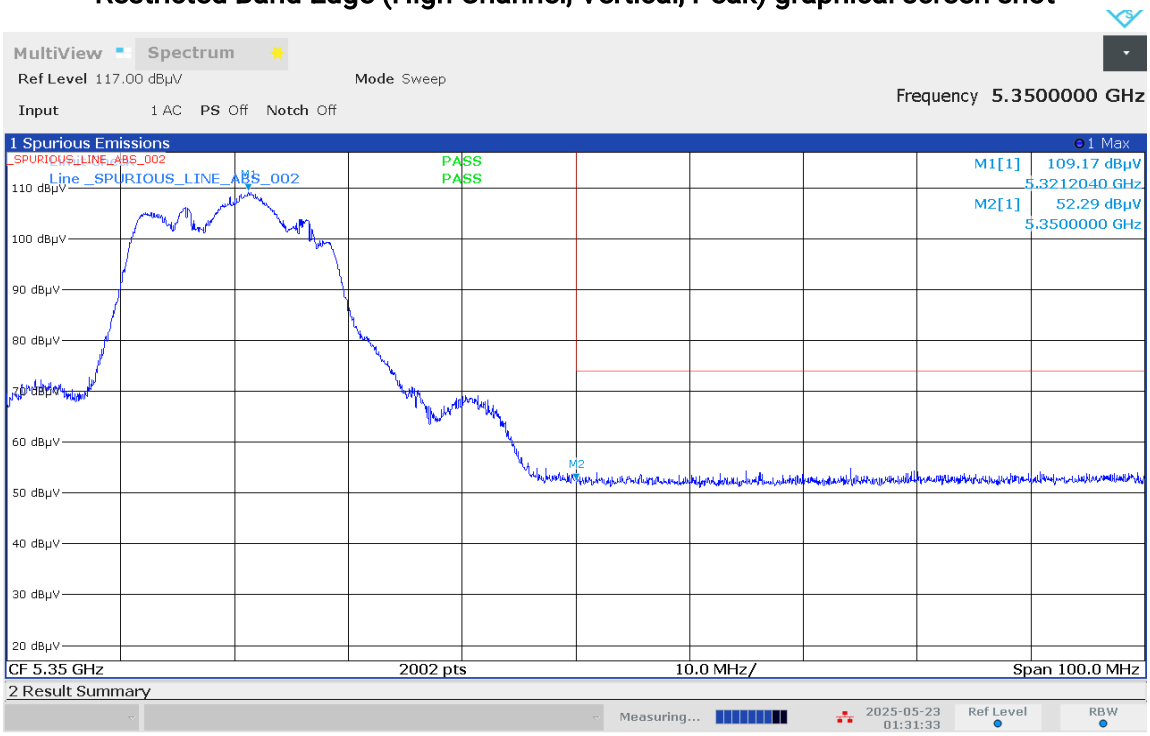
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5350.0000	-	52.2875	41.8822	-	74.0000	54.0000	-	21.7125	12.1178	-
Horizontal Radiated Emission Result										
5350.0000	-	51.6842	41.9662	-	74.0000	54.0000	-	22.3158	12.0338	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Rezza & Fuad
System MU: 5.14dB

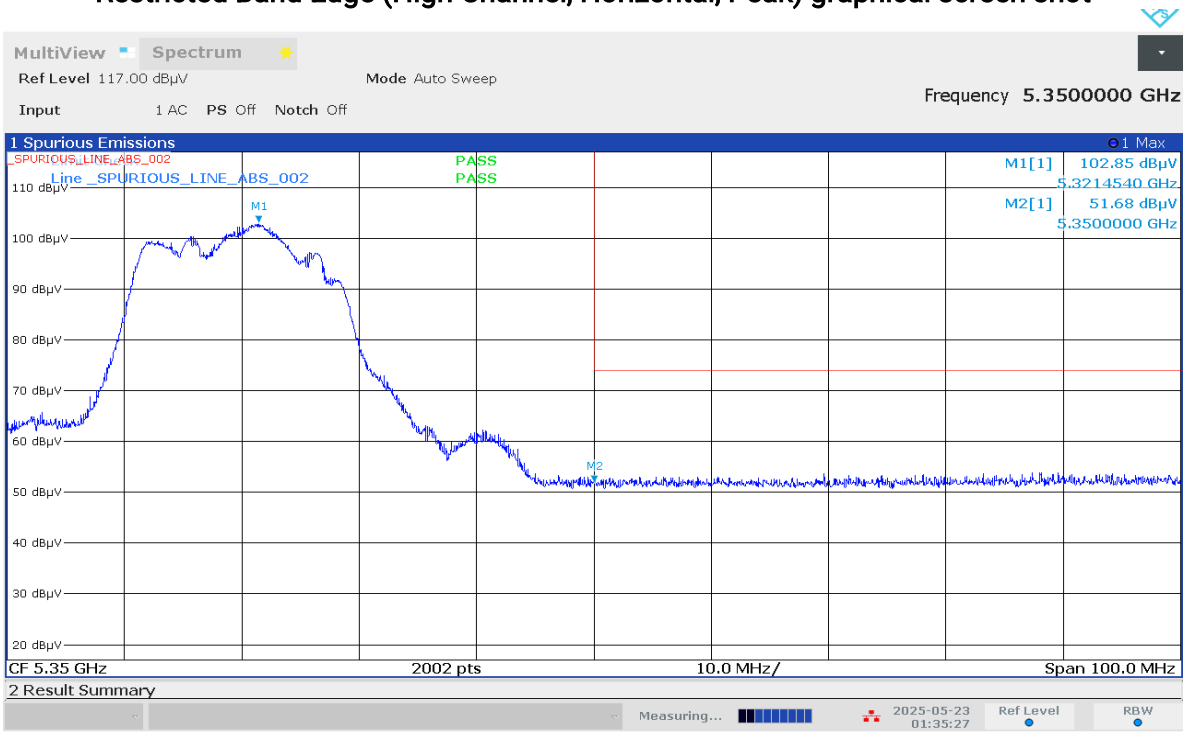
Humidity (%): 68.3
Test Date: Tue, 3 Jun, 2025

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



01:31:33 AM 05/23/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot

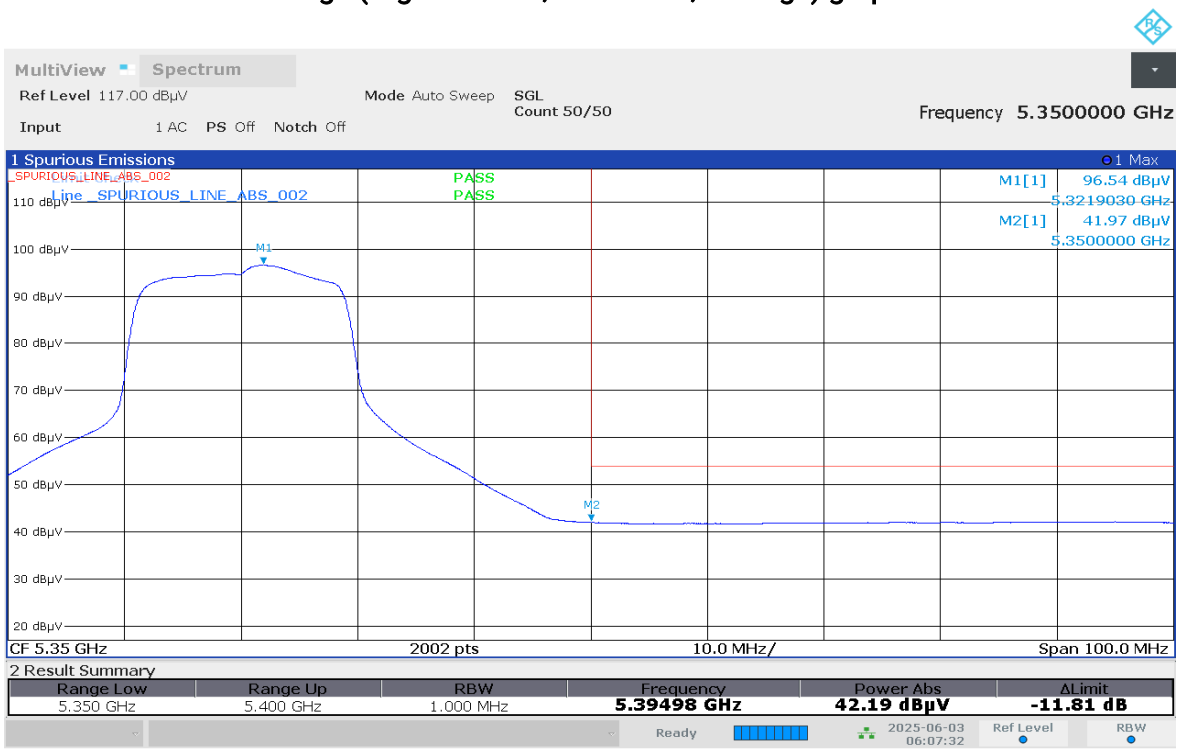


01:35:27 AM 05/23/2025

Restricted Band Edge (High Channel, Vertical, Average) graphical screen shot

05:57:56 AM 06/03/2025

Restricted Band Edge (High Channel, Horizontal, Average) graphical screen shot



06:07:33 AM 06/03/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5500.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Low Channel) tabular data

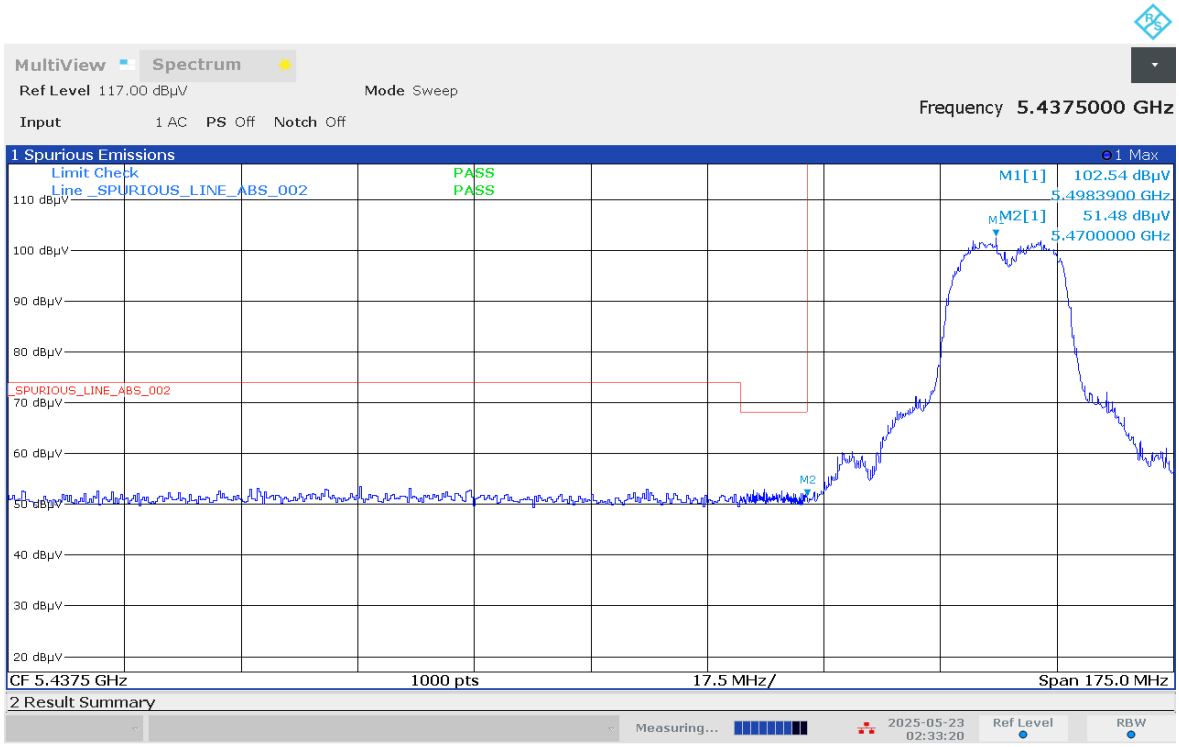
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5350.1375	-	-	42.7798	-	-	54.0000	-	-	11.2202	-
5460.0000	-	-	41.4520	-	-	54.0000	-	-	12.5480	-
5470.0000	-	51.4807	-	-	68.2000	-	-	16.7193	-	-
Horizontal Radiated Emission Result										
5350.1375	-	-	42.3102	-	-	54.0000	-	-	11.6898	-
5460.0000	-	-	41.0198	-	-	54.0000	-	-	12.9802	-
5470.0000	-	53.0322	-	-	68.2000	-	-	15.1678	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

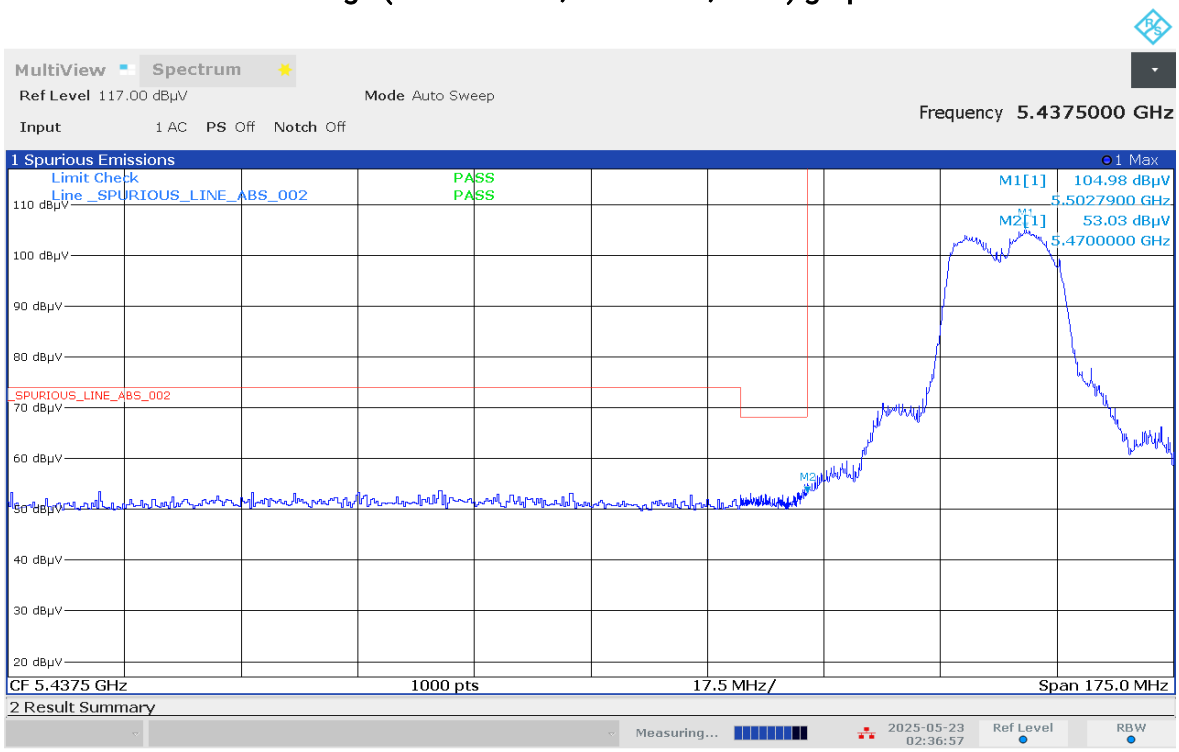
Humidity (%): 68.1
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



02:33:21 AM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



02:36:58 AM 05/23/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot

02:03:40 AM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot

02:18:18 AM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 14.5
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5700.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (High Channel) tabular data

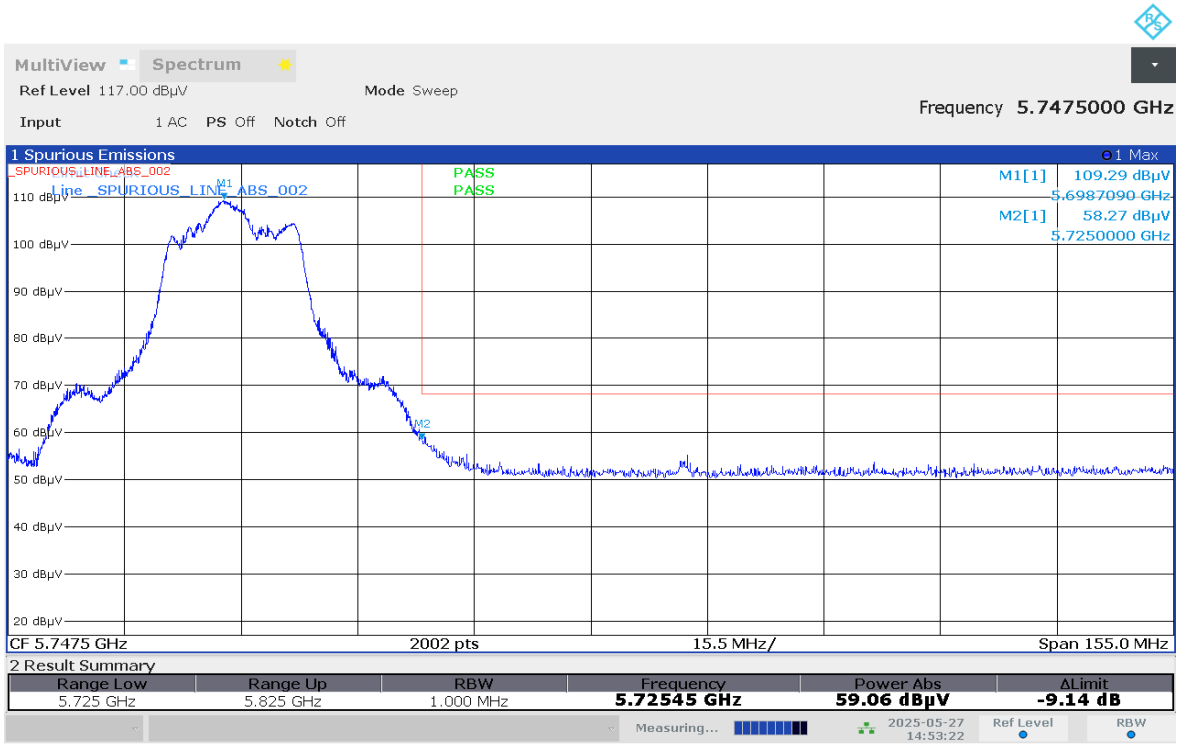
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5725.0000	-	58.2743	-	-	68.2000	-	-	9.9257	-	-
5725.4496	-	59.0604	-	-	68.2000	-	-	9.1396	-	-
Horizontal Radiated Emission Result										
5725.0000	-	58.2605	-	-	68.2000	-	-	9.9395	-	-
5725.3497	-	60.2912	-	-	68.2000	-	-	7.9088	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Rezza
System MU: 5.14dB

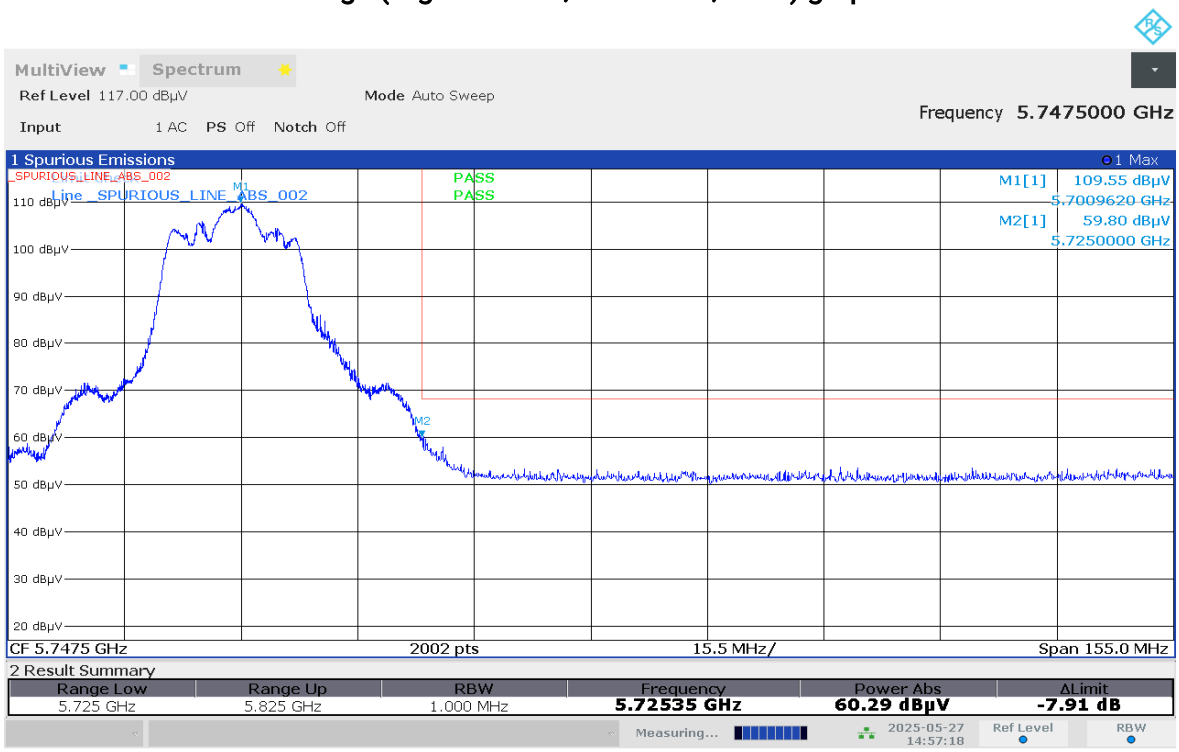
Humidity (%): 68.3
Test Date: Tue, 27 May, 2025

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



02:53:23 PM 05/27/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot



02:57:18 PM 05/27/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: Straddle	Test Frequency: 5720.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Straddle Channel) tabular data

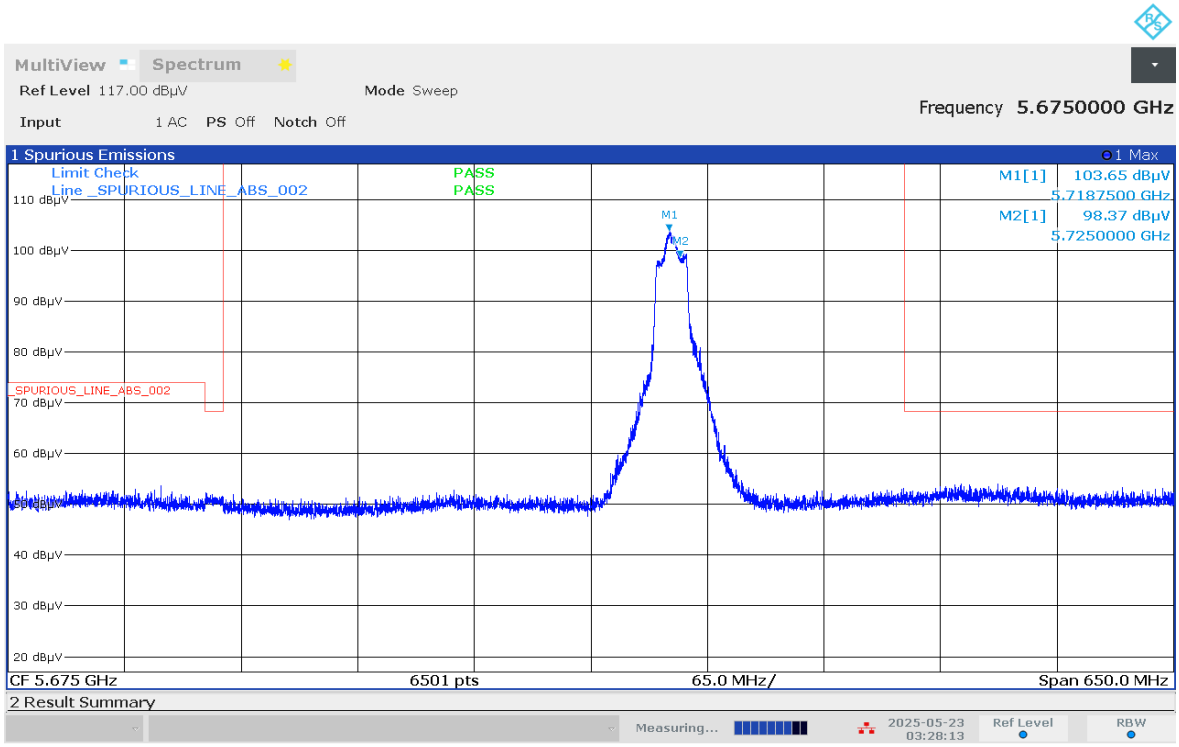
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
Horizontal Radiated Emission Result										

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

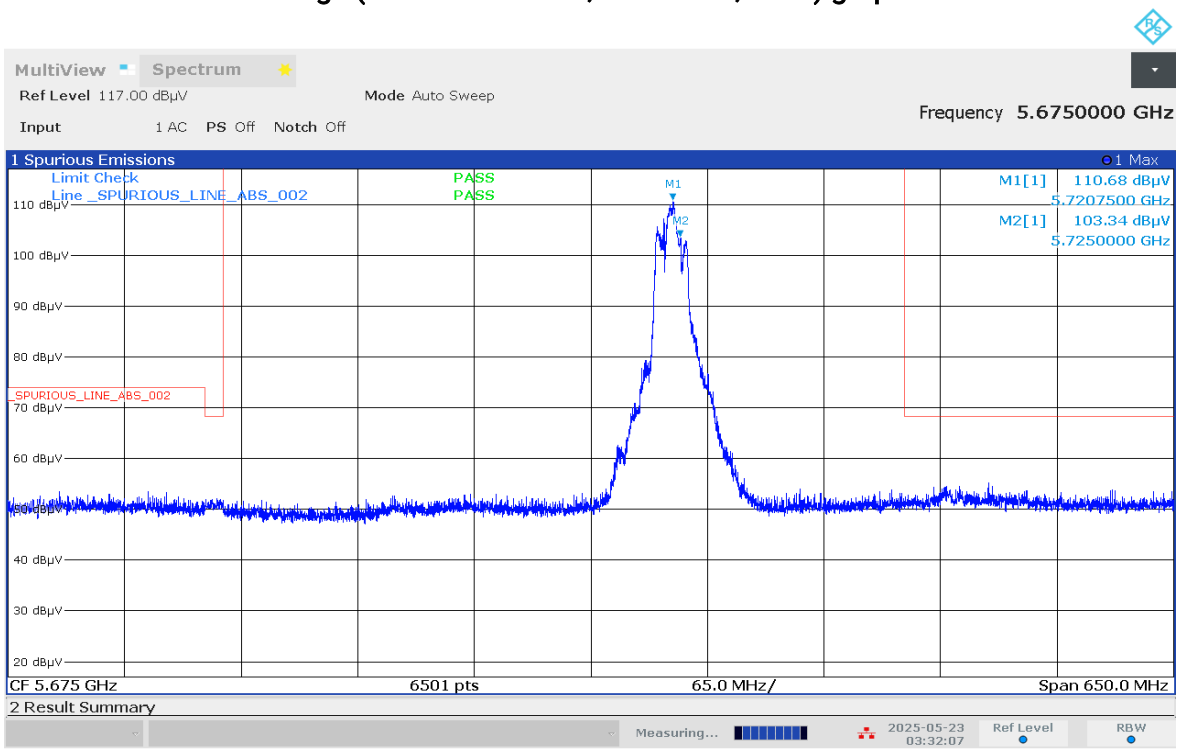
Humidity (%): 68.1
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Straddle Channel, Vertical, Peak) graphical screen shot



03:28:14 AM 05/23/2025

Restricted Band Edge (Straddle Channel, Horizontal, Peak) graphical screen shot



03:32:07 AM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5745.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (Low Channel) tabular data

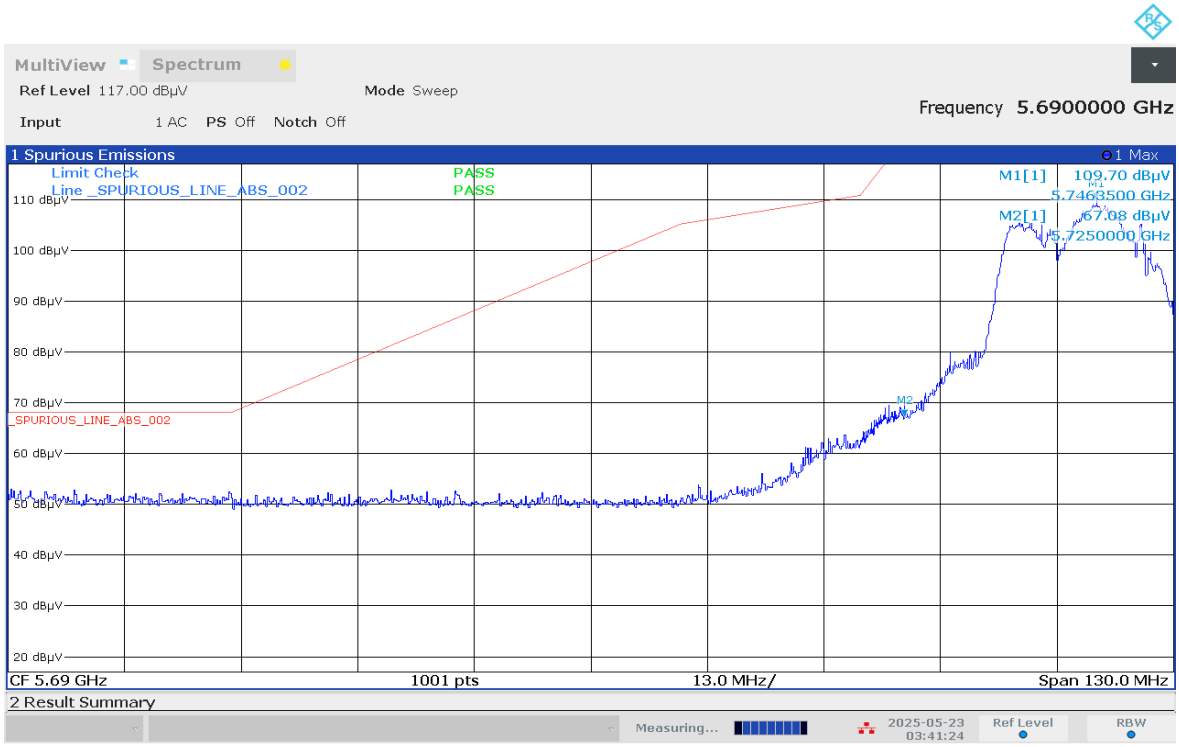
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5725.0000	-	67.0792	-	-	122.2000	-	-	55.1208	-	-
Horizontal Radiated Emission Result										
5725.0000	-	65.2368	-	-	122.2000	-	-	56.9632	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

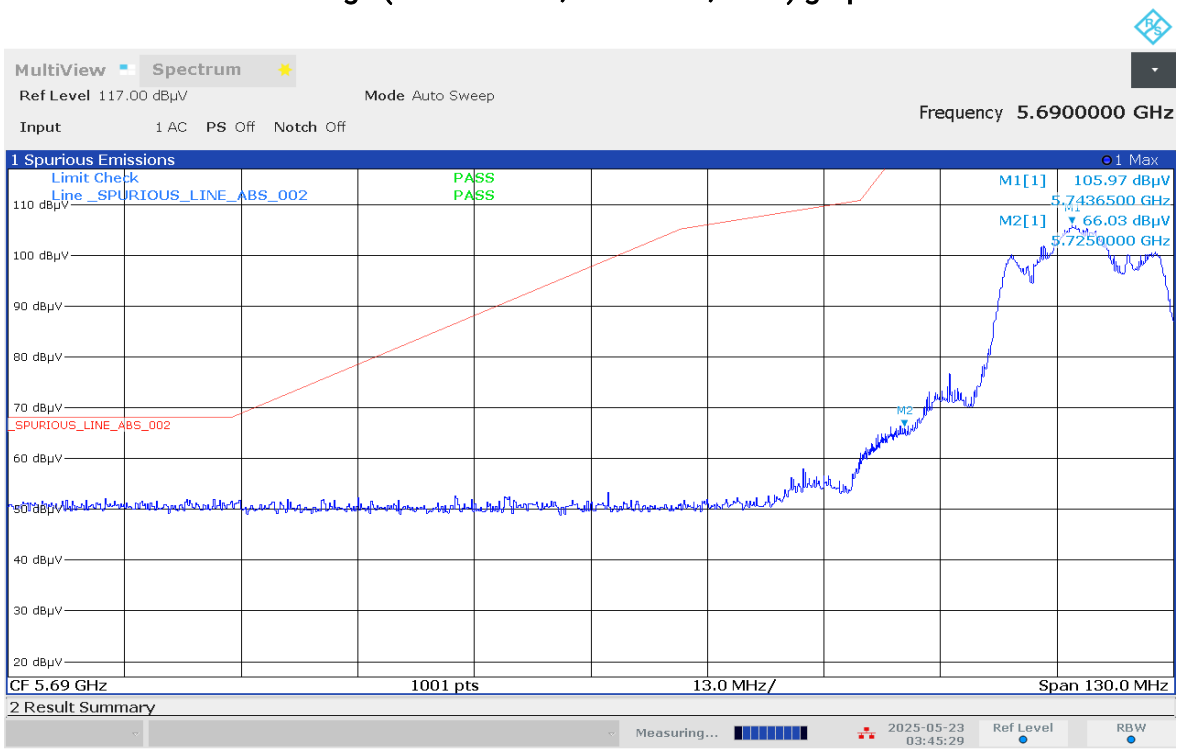
Humidity (%): 68.1
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



03:41:25 AM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



03:45:29 AM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15.5
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5825.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n20	Channel Bandwidth: 20 MHz

Restricted Band Edge (High Channel) tabular data

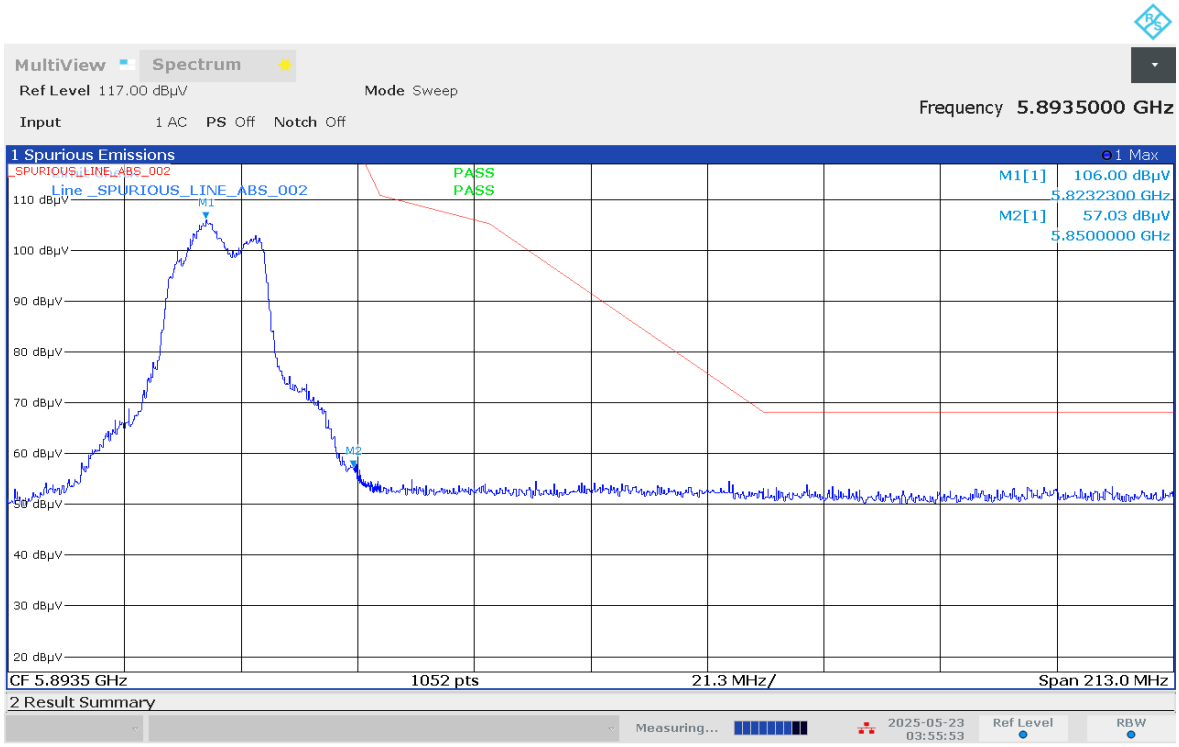
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5850.0000	-	57.0348	-	-	122.2000	-	-	65.1652	-	-
Horizontal Radiated Emission Result										
5850.0000	-	56.8083	-	-	122.2000	-	-	65.3917	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.3
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

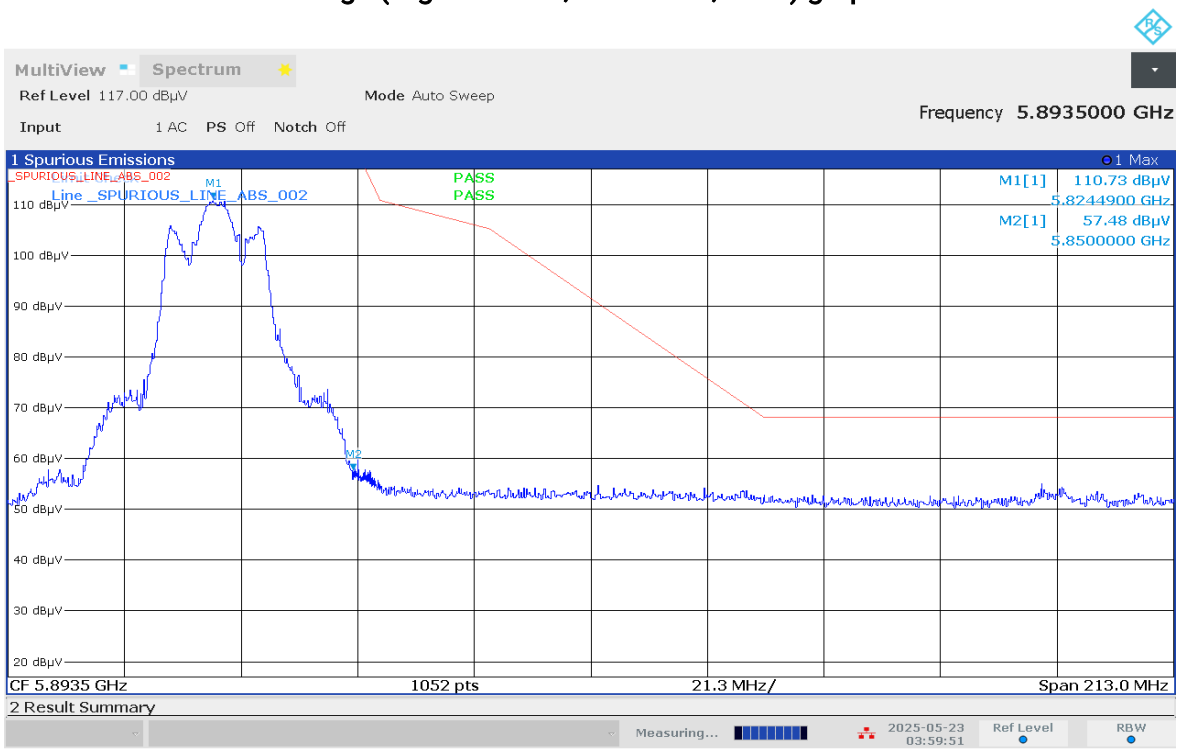
Humidity (%): 68.1
Test Date: Fri, 23 May, 2025

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



03:55:54 AM 05/23/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot



03:59:51 AM 05/23/2025

802.11n (HT40)

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 12
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5190.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (Low Channel) tabular data

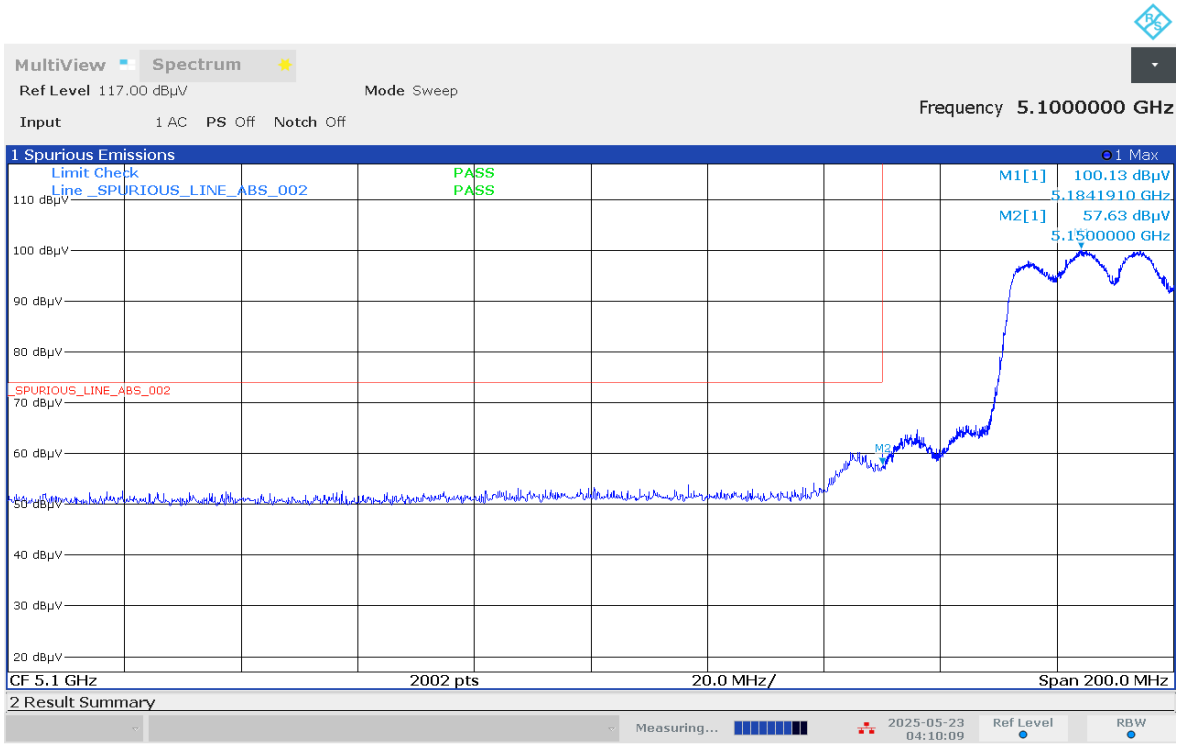
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5147.3776	-	-	45.7238	-	-	54.0000	-	-	8.2762	-
5150.0000	-	57.3886	45.6648	-	74.0000	54.0000	-	16.6114	8.3352	-
Horizontal Radiated Emission Result										
5150.0000	-	59.3993	42.1722	-	74.0000	54.0000	-	14.6007	11.8278	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

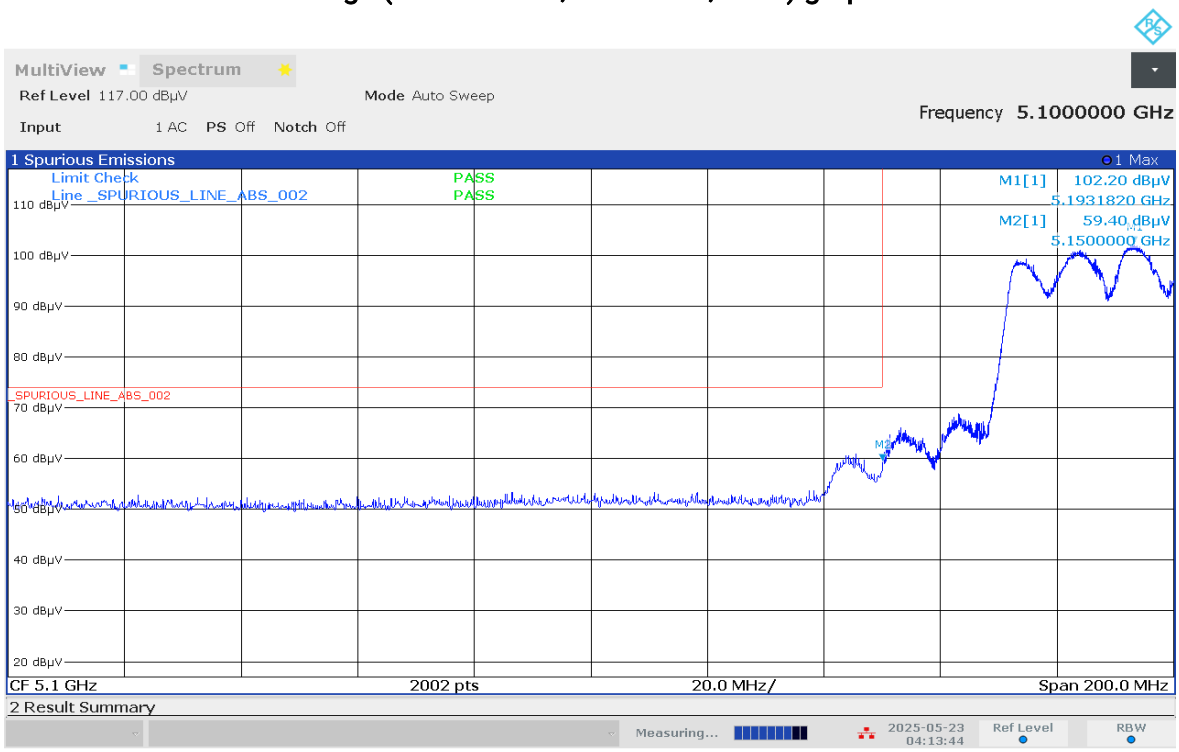
Humidity (%): 68.3
Test Date: Sun, 25 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



04:10:09 AM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot

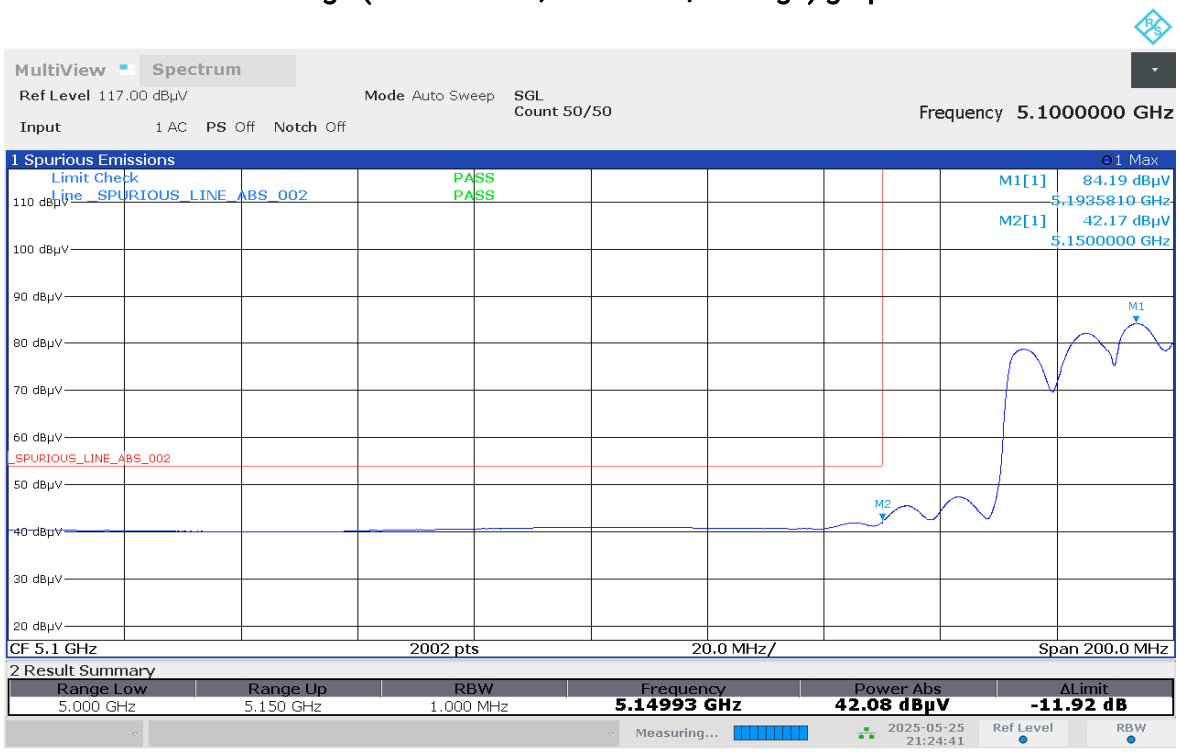


04:13:45 AM 05/23/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot

09:08:12 PM 05/25/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot



09:24:42 PM 05/25/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 11
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5310.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (High Channel) tabular data

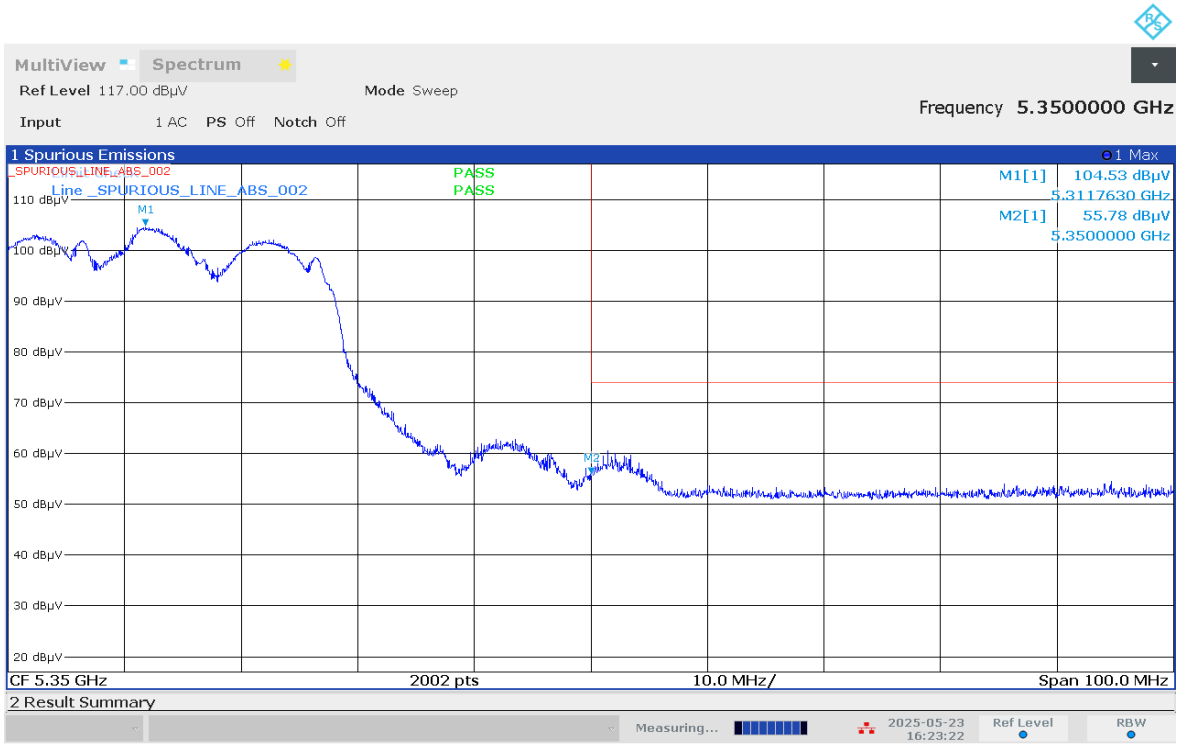
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5350.0000	-	55.7849	46.0437	-	74.0000	54.0000	-	18.2151	7.9563	-
5351.5734	-	-	46.7316	-	-	54.0000	-	-	7.2684	-
Horizontal Radiated Emission Result										
5350.0000	-	56.8753	41.2858	-	74.0000	54.0000	-	17.1247	12.7142	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

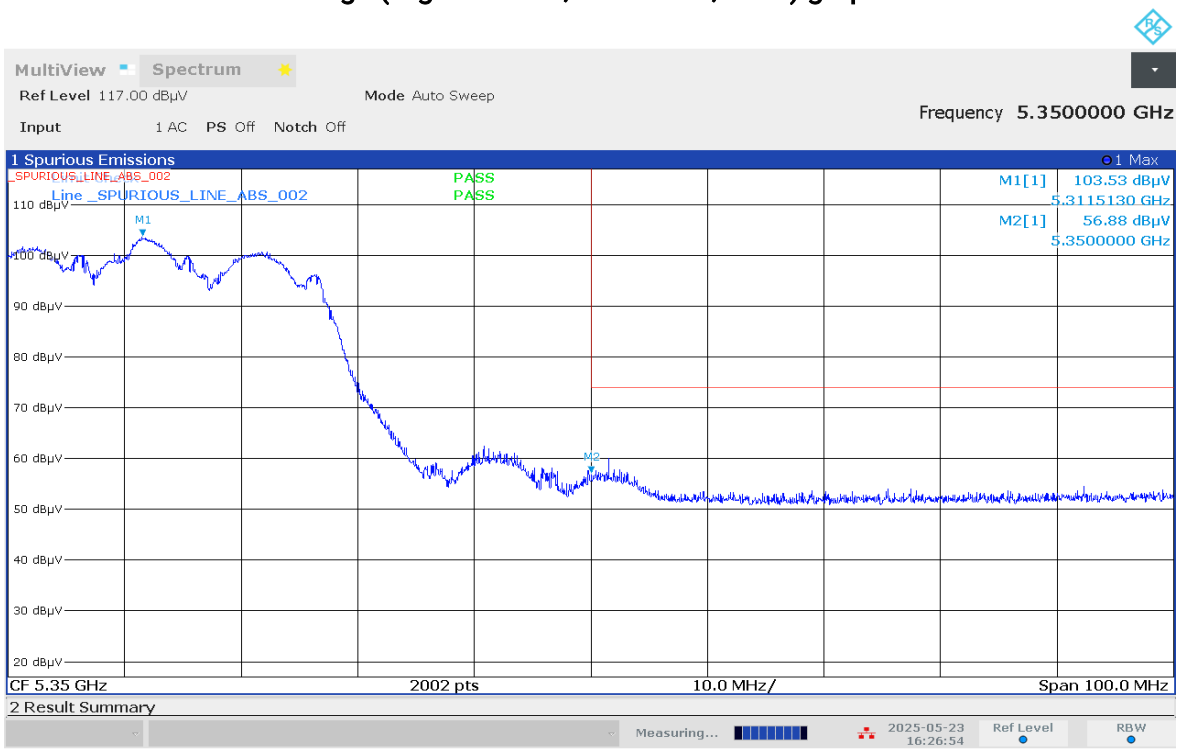
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



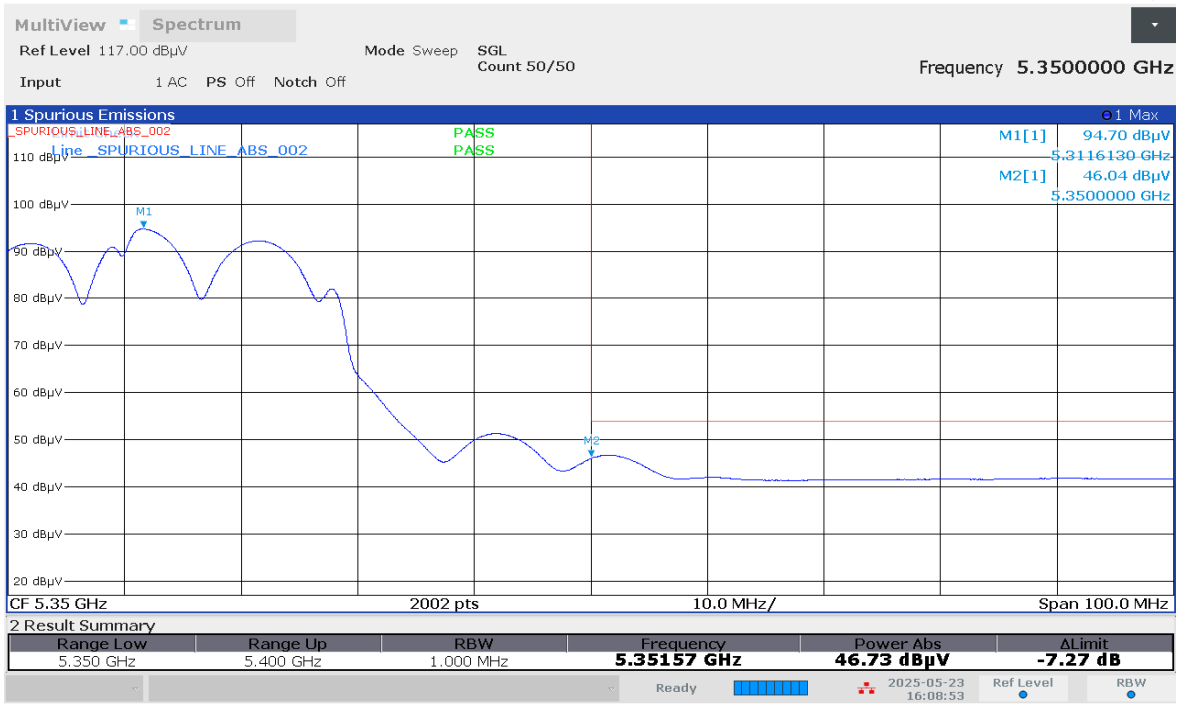
04:23:22 PM 05/23/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot



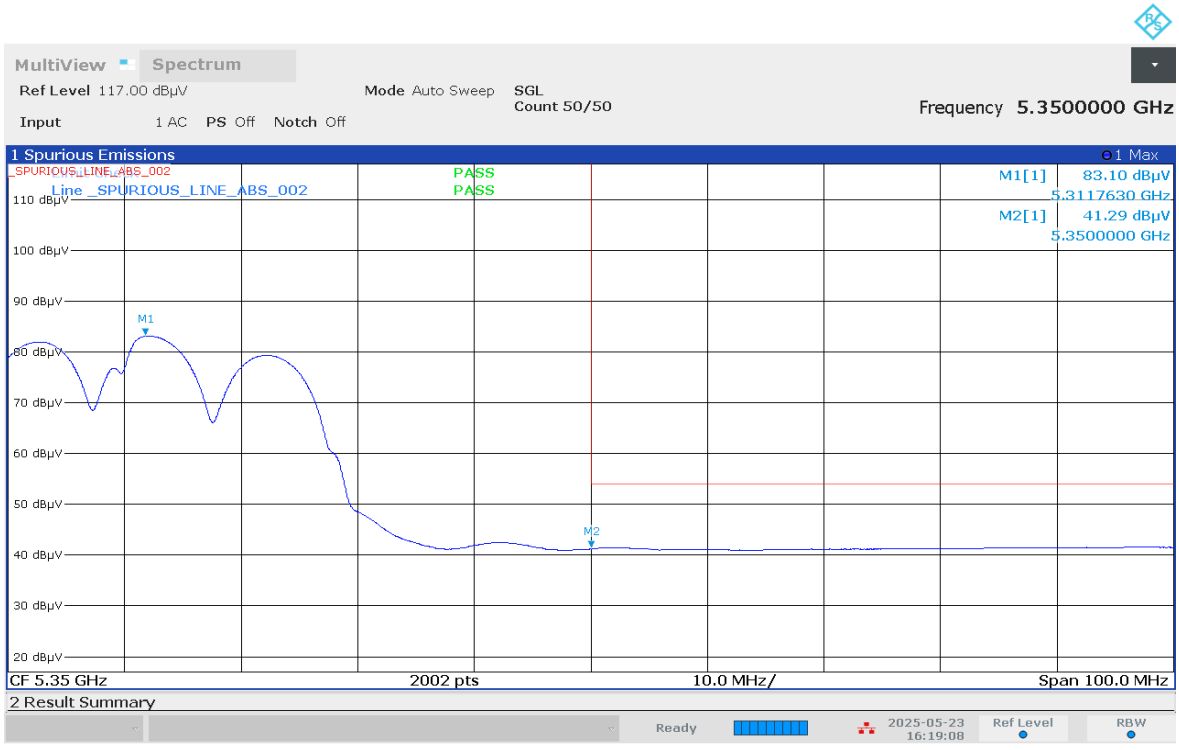
04:26:54 PM 05/23/2025

Restricted Band Edge (High Channel, Vertical, Average) graphical screen shot



04:08:53 PM 05/23/2025

Restricted Band Edge (High Channel, Horizontal, Average) graphical screen shot



04:19:09 PM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 11
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5510.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (Low Channel) tabular data

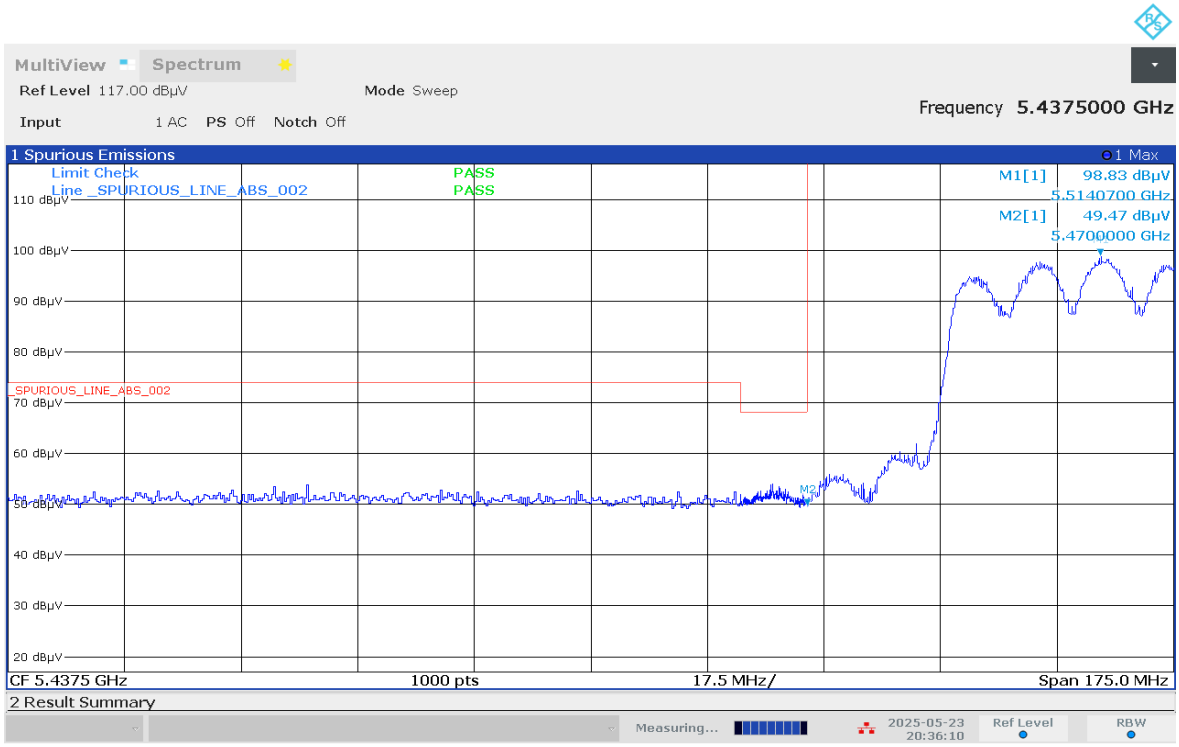
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5460.0000	-	-	40.3727	-	-	54.0000	-	-	13.6273	-
5470.0000	-	48.7018	-	-	68.2000	-	-	19.4982	-	-
Horizontal Radiated Emission Result										
5460.0000	-	-	41.9248	-	-	54.0000	-	-	12.0752	-
5469.9250	-	60.0352	-	-	68.2000	-	-	8.1648	-	-
5470.0000	-	57.5916	-	-	68.2000	-	-	10.6084	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

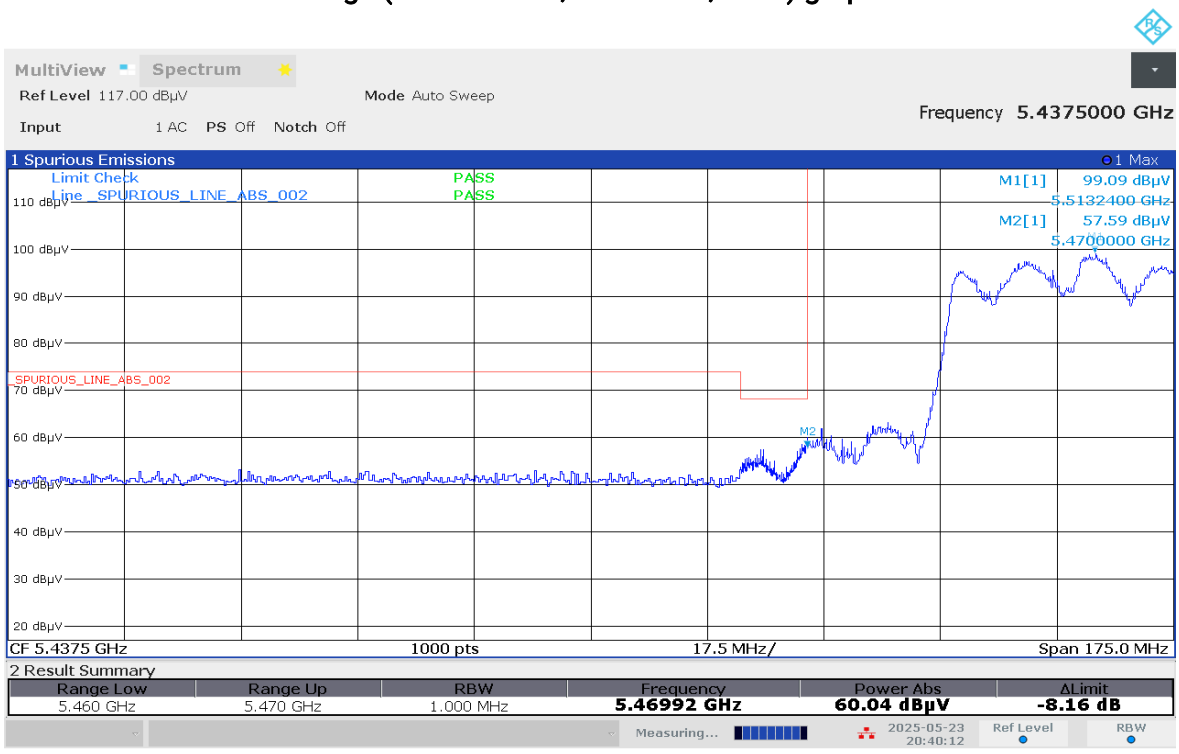
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



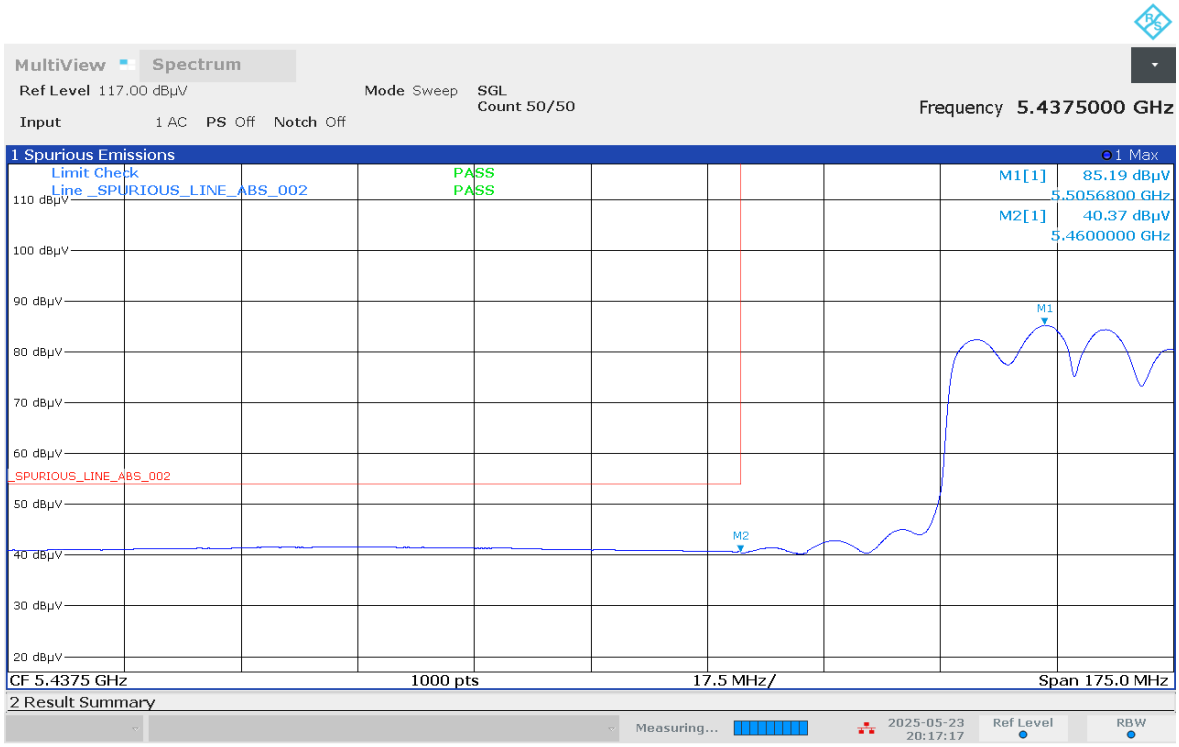
08:36:11 PM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



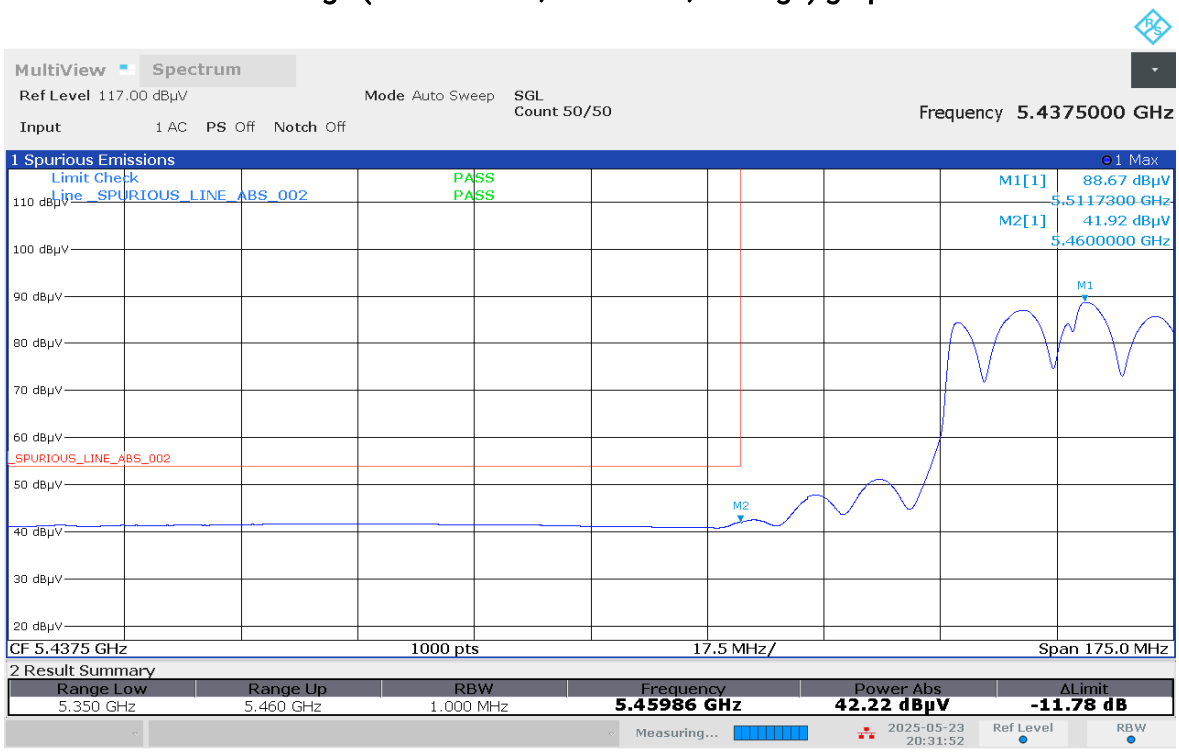
08:40:12 PM 05/23/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot



08:17:17 PM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot



08:31:53 PM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5670.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (High Channel) tabular data

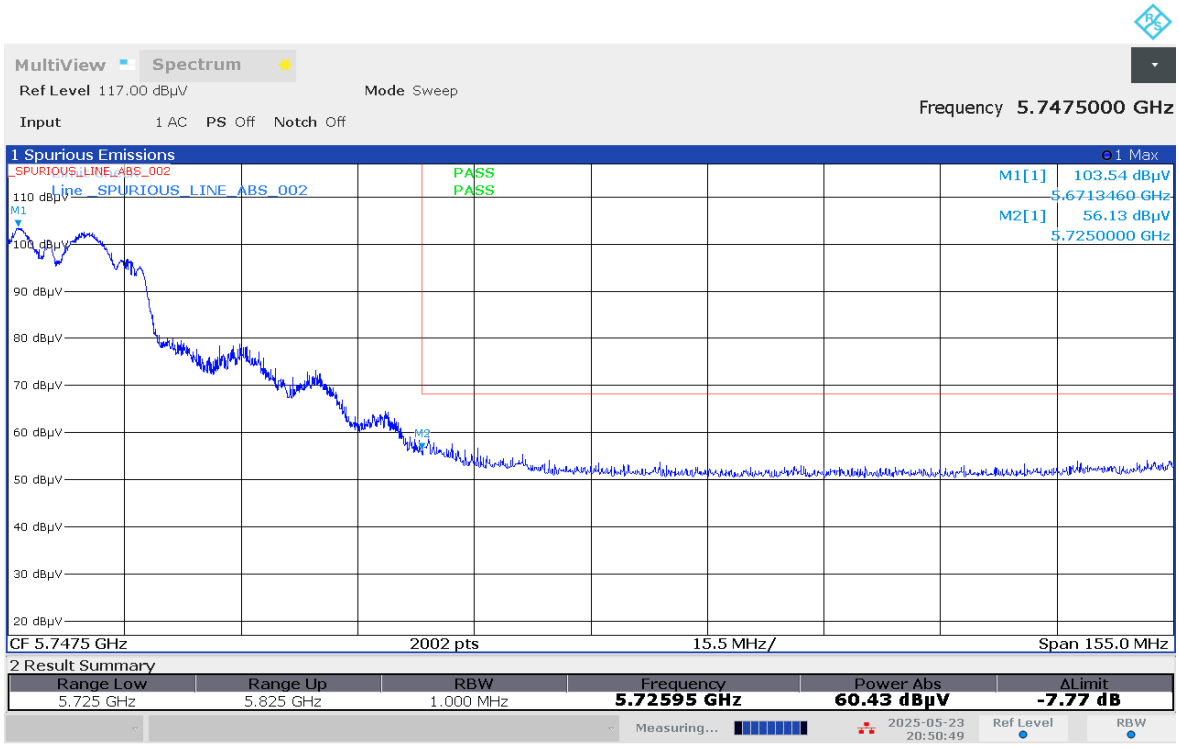
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5725.0000	-	56.1322	-	-	68.2000	-	-	12.0678	-	-
5725.9491	-	60.4272	-	-	68.2000	-	-	7.7728	-	-
Horizontal Radiated Emission Result										
5725.0000	-	56.4071	-	-	68.2000	-	-	11.7929	-	-
5725.2498	-	60.2126	-	-	68.2000	-	-	7.9874	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

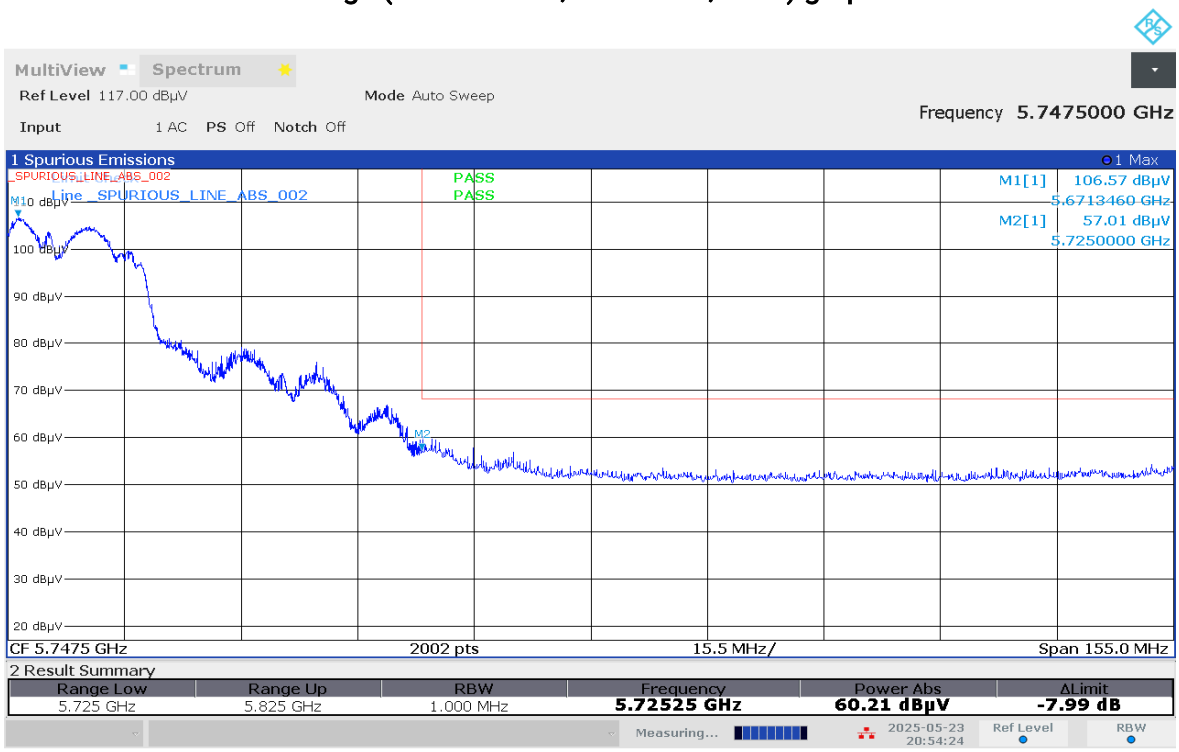
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



08:50:50 PM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



08:54:25 PM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15
Accessory: AN000297A01	
Test Channel: Straddle	Test Frequency: 5710.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (Straddle Channel) tabular data

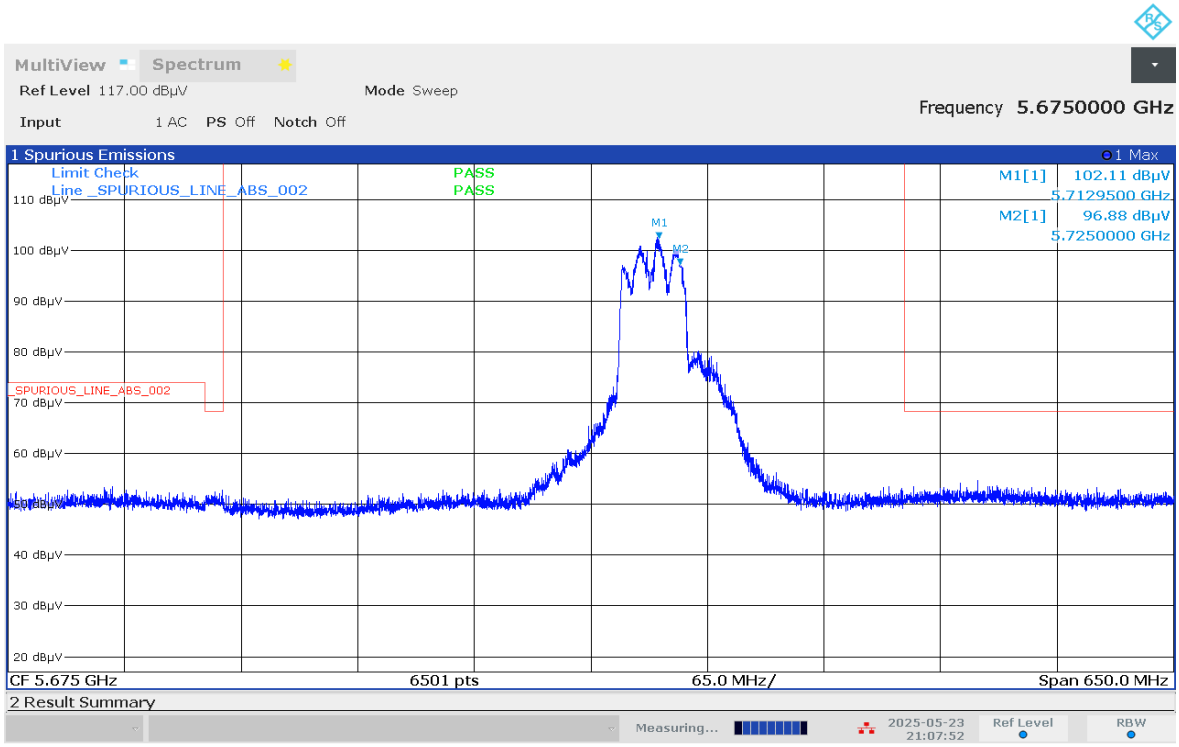
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dBµV/m)	Margin PK (dBµV/m)	Margin AV (dBµV/m)	Carrier PK Power (dBµV/m)
Horizontal Radiated Emission Result										

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

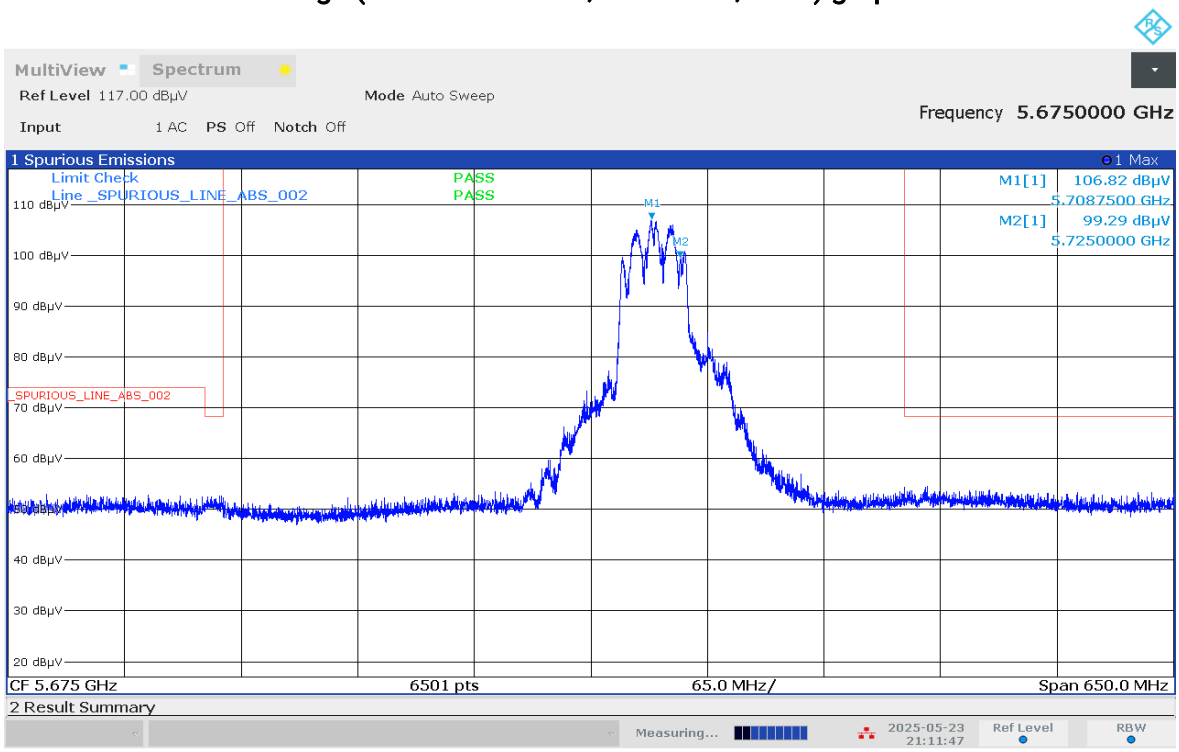
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Straddle Channel, Vertical, Peak) graphical screen shot



09:07:53 PM 05/23/2025

Restricted Band Edge (Straddle Channel, Horizontal, Peak) graphical screen shot



09:11:47 PM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5755.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (Low Channel) tabular data

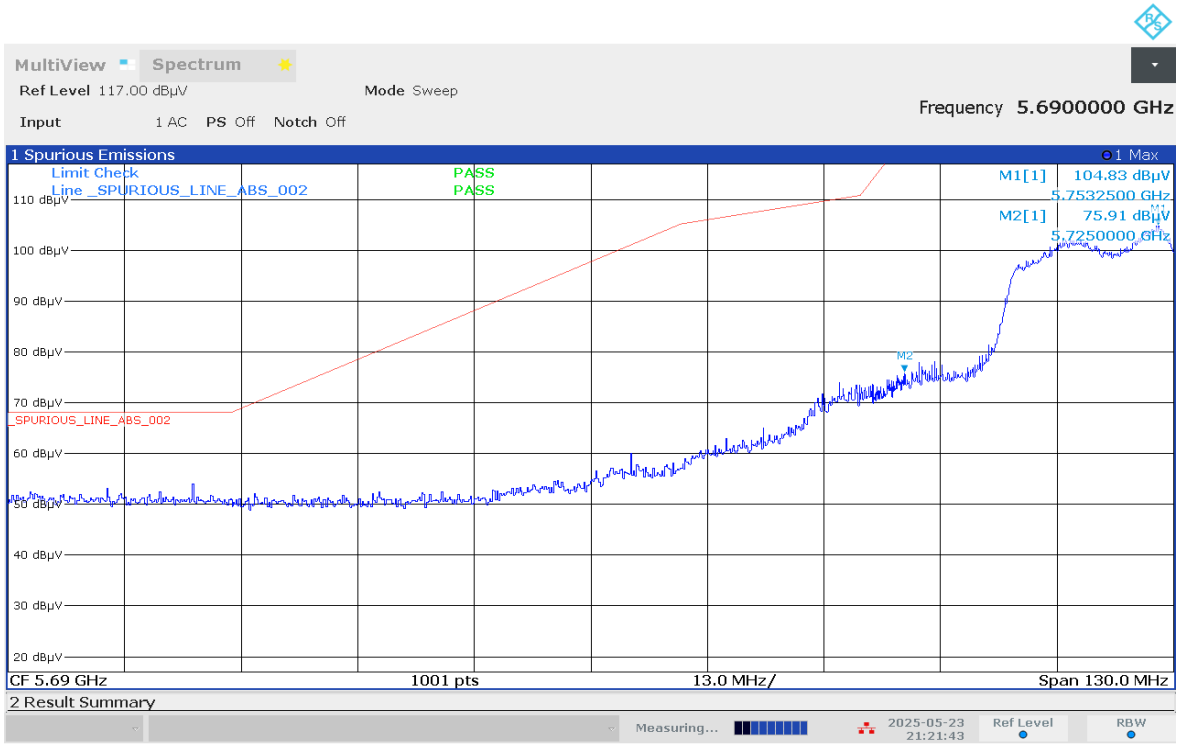
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5725.0000	-	75.9080	-	-	122.2000	-	-	46.2920	-	-
Horizontal Radiated Emission Result										
5725.0000	-	74.6883	-	-	122.2000	-	-	47.5117	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

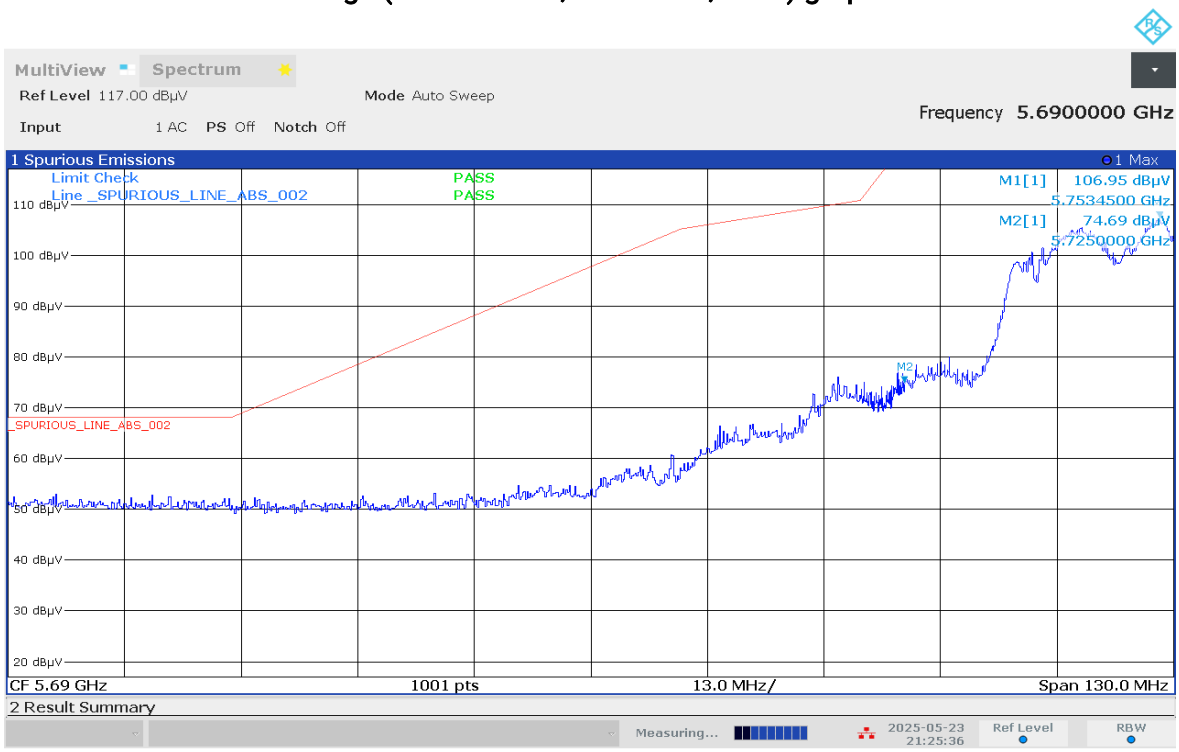
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



09:21:43 PM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



09:25:36 PM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077

Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 15
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5795.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11n40	Channel Bandwidth: 40 MHz

Restricted Band Edge (High Channel) tabular data

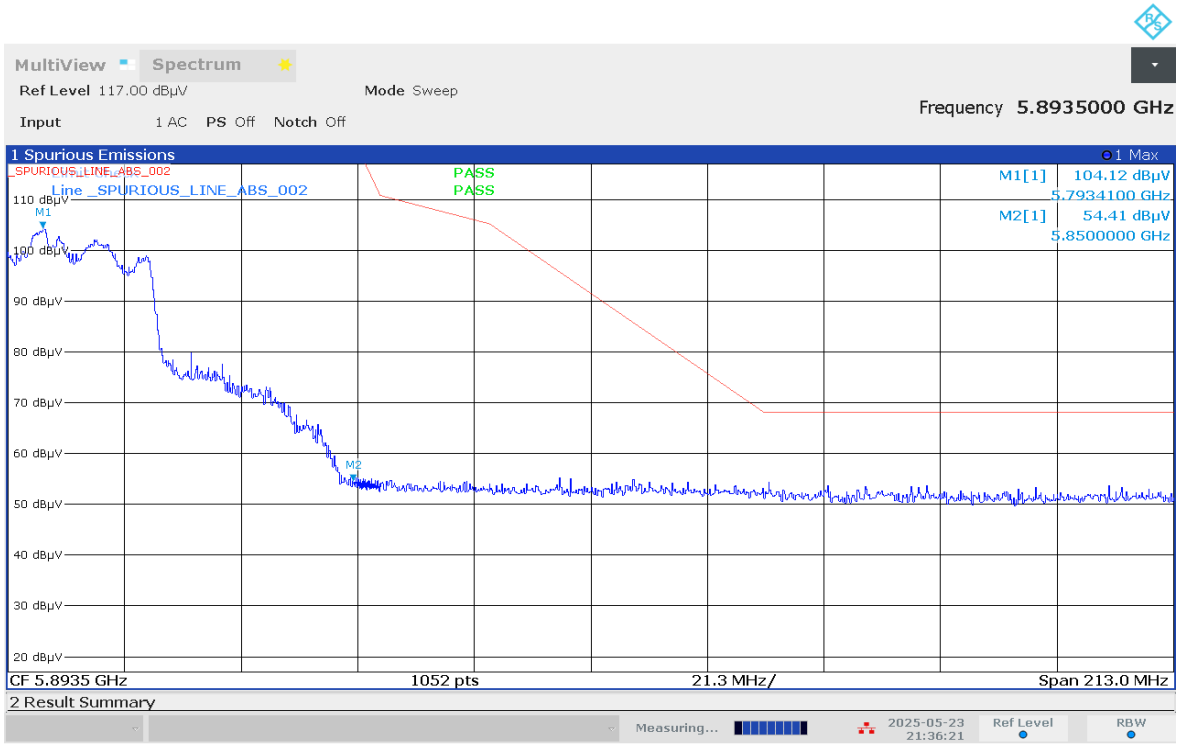
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5850.0000	-	54.4075	-	-	122.2000	-	-	67.7925	-	-
Horizontal Radiated Emission Result										
5850.0000	-	54.5482	-	-	122.2000	-	-	67.6518	-	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

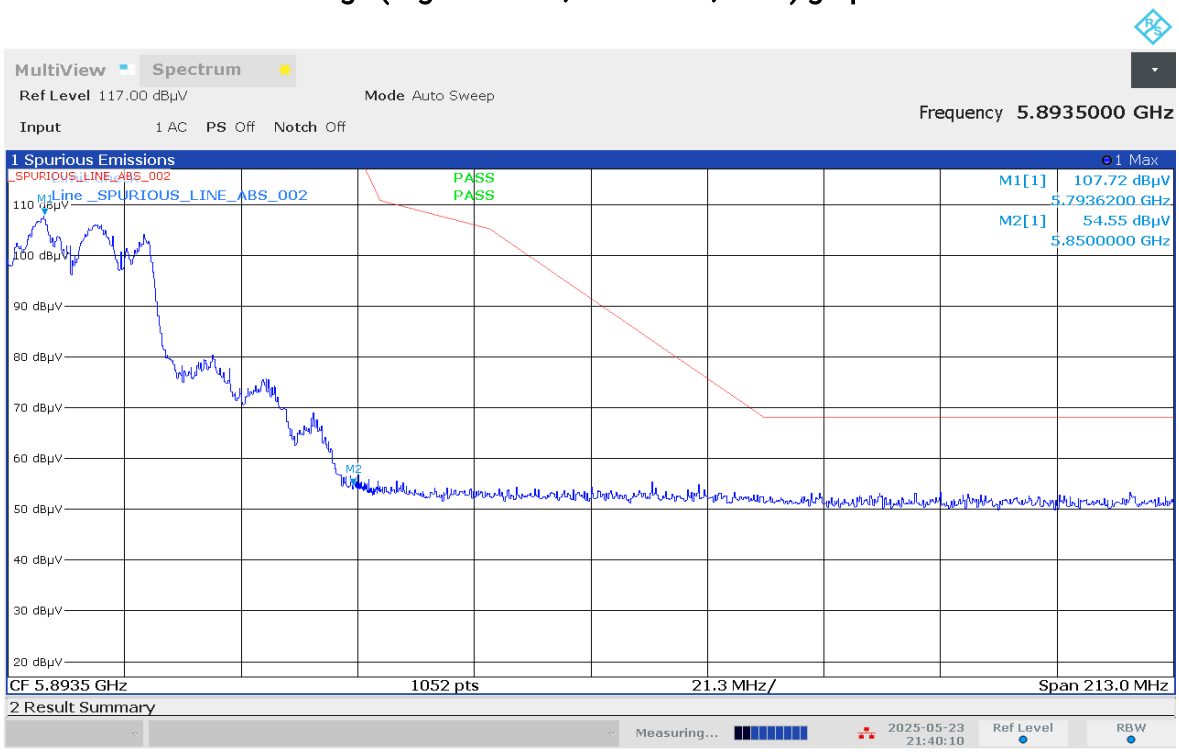
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (High Channel, Vertical, Peak) graphical screen shot



09:36:22 PM 05/23/2025

Restricted Band Edge (High Channel, Horizontal, Peak) graphical screen shot



09:40:11 PM 05/23/2025

802.11ac (VHT80)

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 12
Accessory: AN000297A01	
Test Channel: Low	Test Frequency: 5210.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11ac80	Channel Bandwidth: 80 MHz

Restricted Band Edge (Low Channel) tabular data

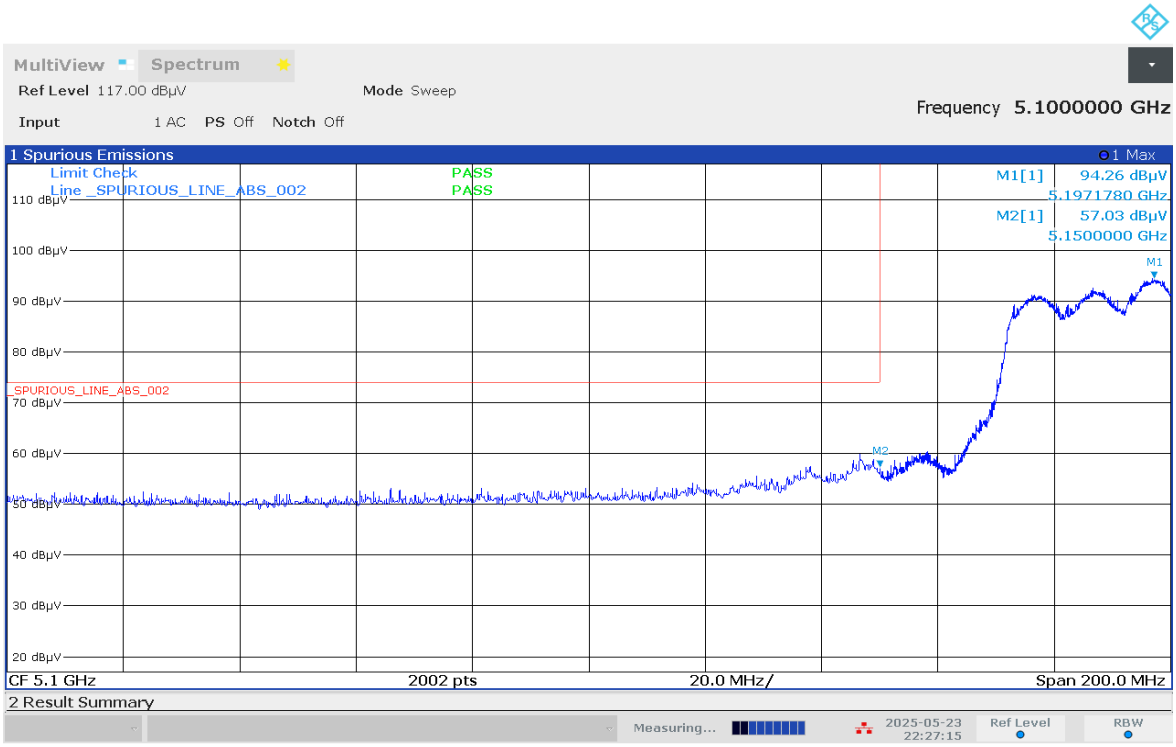
Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5147.6773	-	-	46.5138	-	-	54.0000	-	-	7.4862	-
5150.0000	-	57.0135	45.7233	-	74.0000	54.0000	-	16.9865	8.2767	-
Horizontal Radiated Emission Result										
5150.0000	-	56.1275	40.8479	-	74.0000	54.0000	-	17.8725	13.1521	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

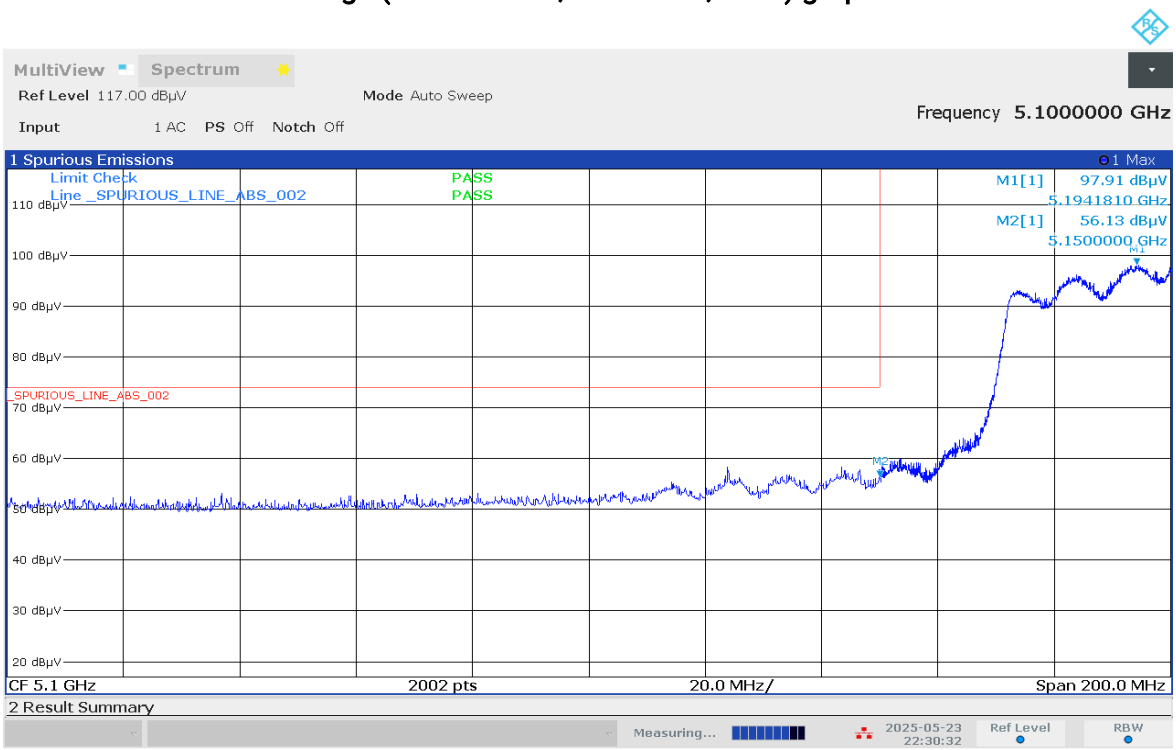
Humidity (%): 68.3
Test Date: Fri, 23 May, 2025

Restricted Band Edge (Low Channel, Vertical, Peak) graphical screen shot



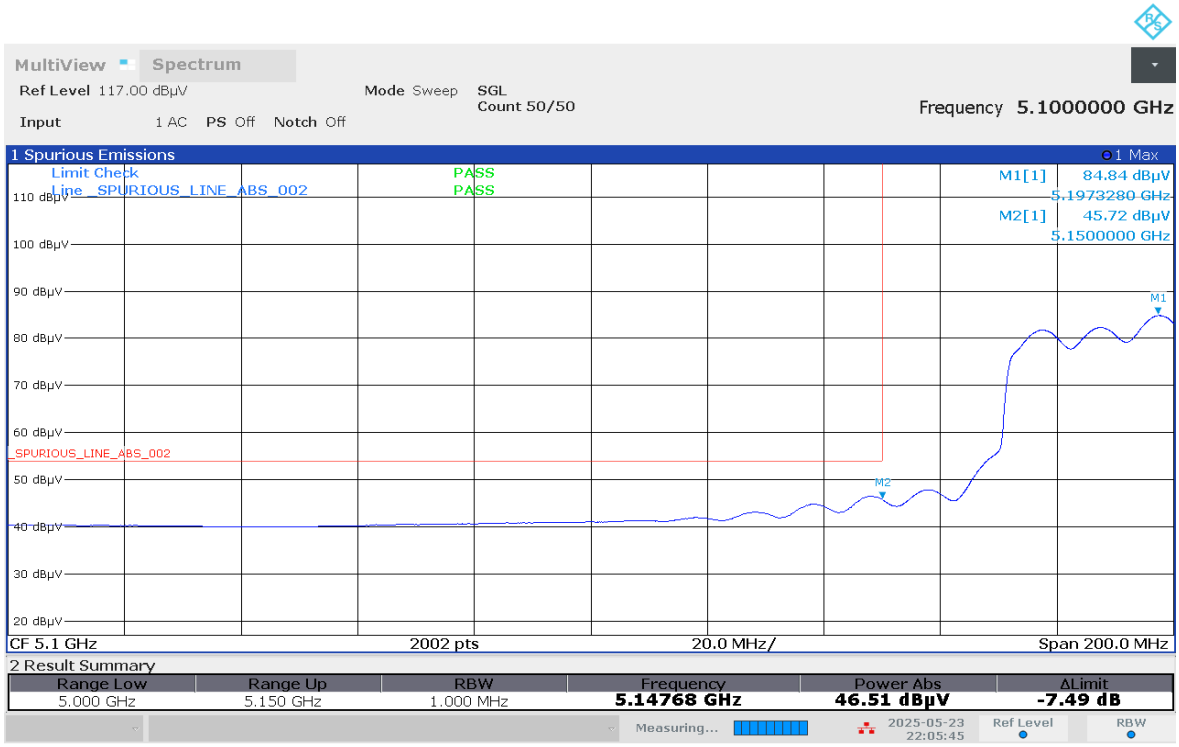
10:27:16 PM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Peak) graphical screen shot



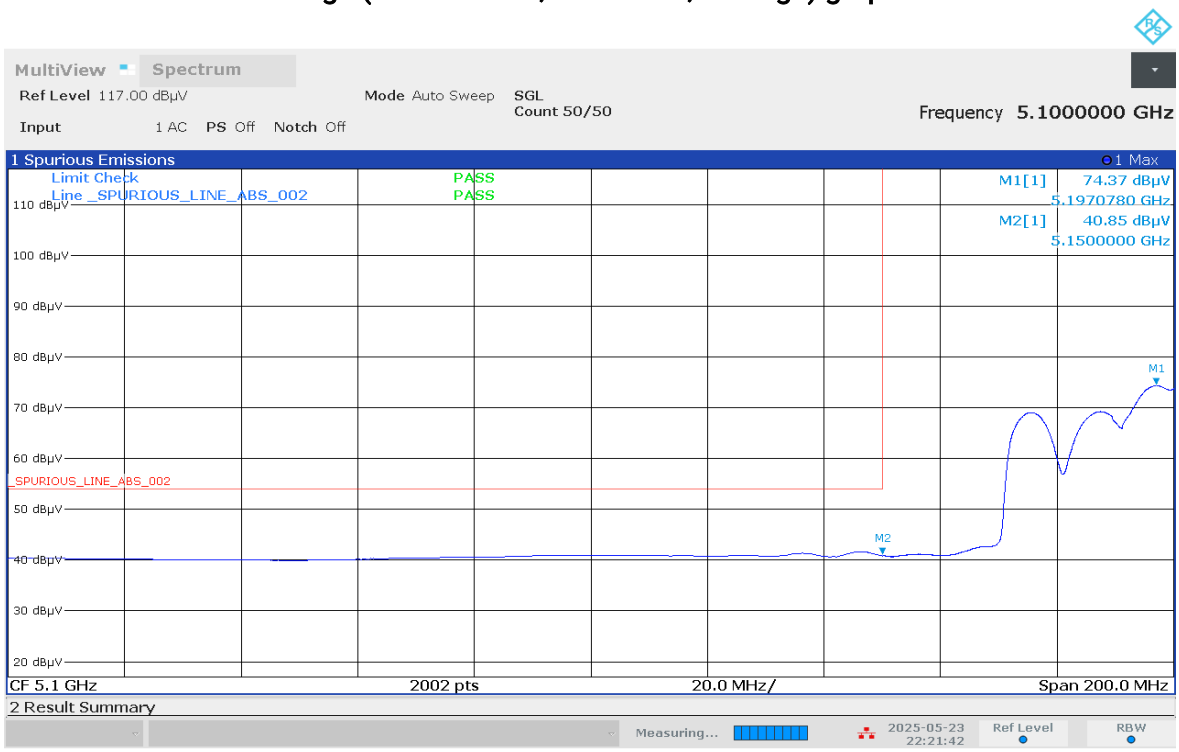
10:30:32 PM 05/23/2025

Restricted Band Edge (Low Channel, Vertical, Average) graphical screen shot



10:05:46 PM 05/23/2025

Restricted Band Edge (Low Channel, Horizontal, Average) graphical screen shot



10:21:42 PM 05/23/2025

Test: WIFI SAC Restricted Band Edge	EMC SR ID: 0875N00-EMC-00077
Model Number: H55TGT9PW8BN	S/N: 437ZBG0592
Battery: PMNN4895A	Softpot power: 10
Accessory: AN000297A01	
Test Channel: High	Test Frequency: 5290.0000 MHz
Test Standard: ANSI C63.10-2013	Worst Case Plane: X-Plane
Modulation: 802.11ac80	Channel Bandwidth: 80 MHz

Restricted Band Edge (High Channel) tabular data

Vertical Radiated Emission Result										
Spur Freq (MHz)	Spur level QPK (dBµV/m)	Spur level PK (dBµV/m)	Spur level AV (dBµV/m)	Limit QPK (dBµV/m)	Limit PK (dBµV/m)	Limit AV (dBµV/m)	Margin QPK (dB)	Margin PK (dB)	Margin AV (dB)	Carrier PK Power (dBµV/m)
5350.0000	-	52.5133	41.8782	-	74.0000	54.0000	-	21.4867	12.1218	-
5356.6683	-	-	42.8267	-	-	54.0000	-	-	11.1733	-
Horizontal Radiated Emission Result										
5350.0000	-	54.2669	41.1830	-	74.0000	54.0000	-	19.7331	12.8170	-

Remarks: Pass Result	Marginal Result	Fail Result

Temperature (degC): 23.5
Test Performed by: Nazrin & Fuad
System MU: 5.14dB

Humidity (%): 68.3
Test Date: Fri, 23 May, 2025