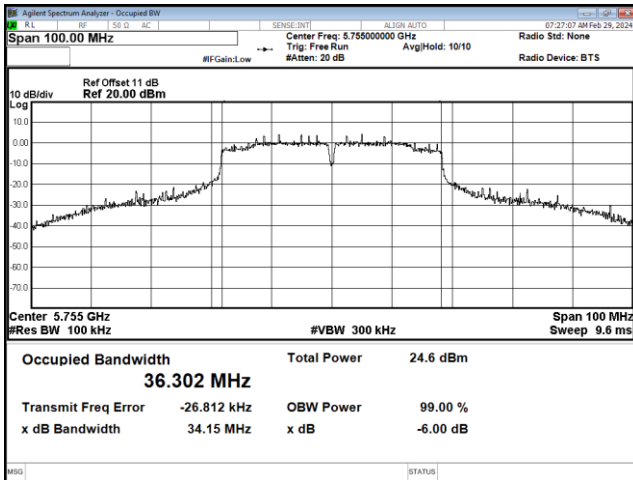
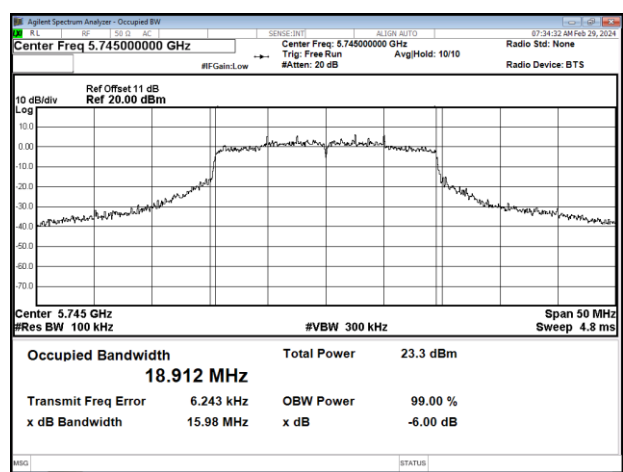
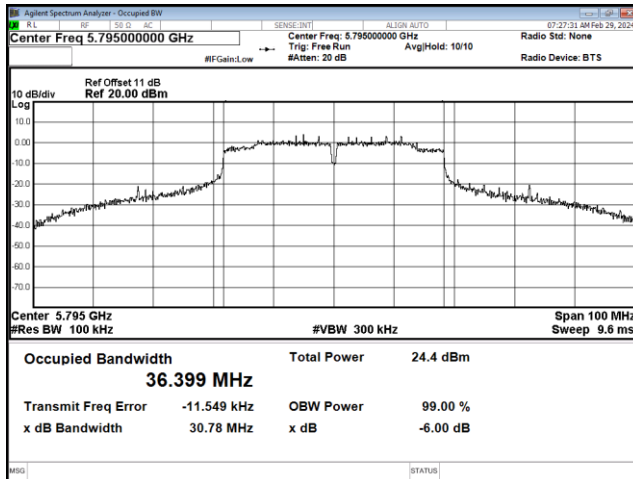




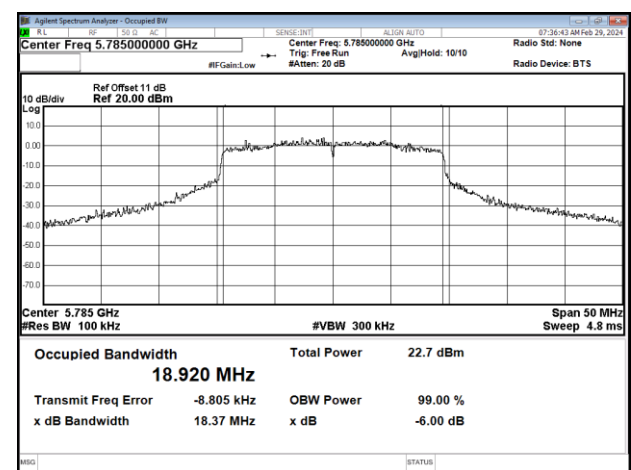
6dB Bandwidth

Modulation Type: 802.11ac, VHT40
CH151Modulation Type: 802.1111ax HE20
CH149

CH159

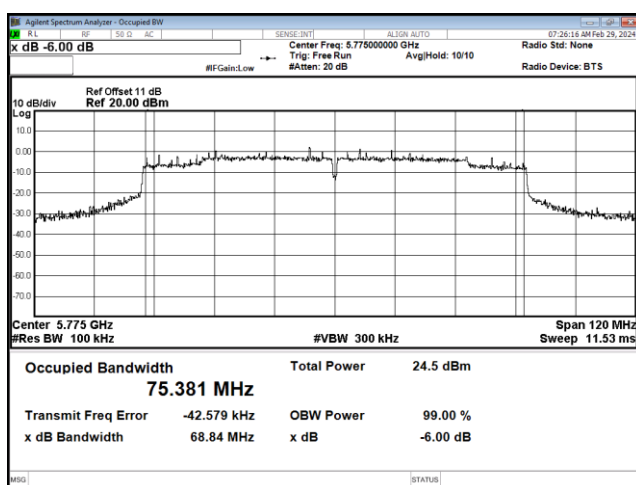


CH157

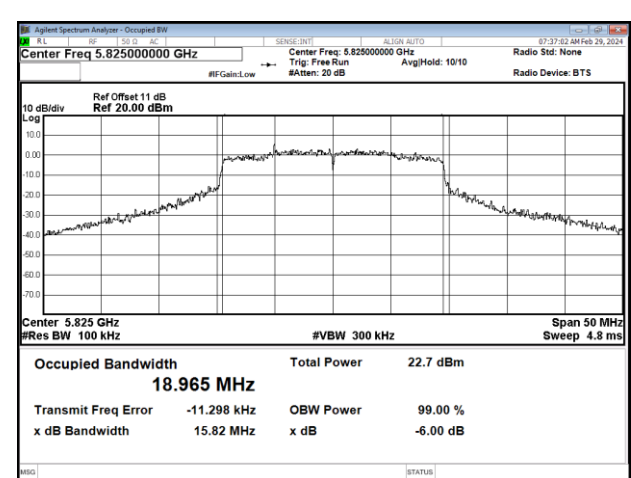


Modulation Type: 802.11ac, VHT80

CH155



CH165

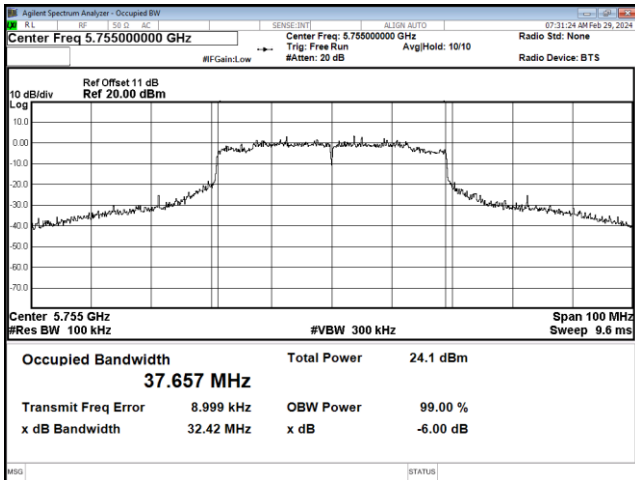




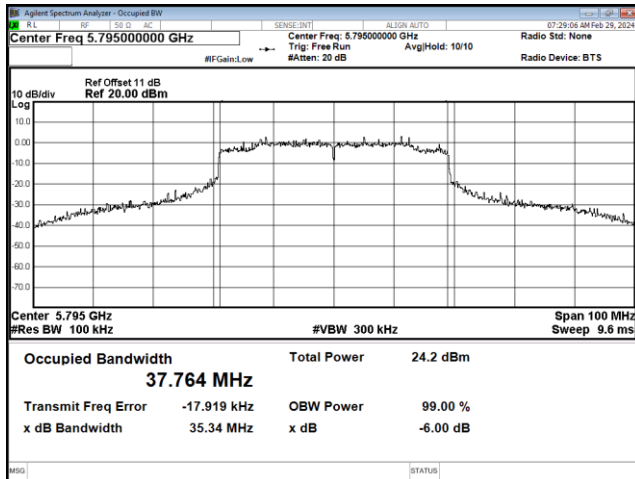
6dB Bandwidth

Modulation Type: 802.11 ax HE40

CH151

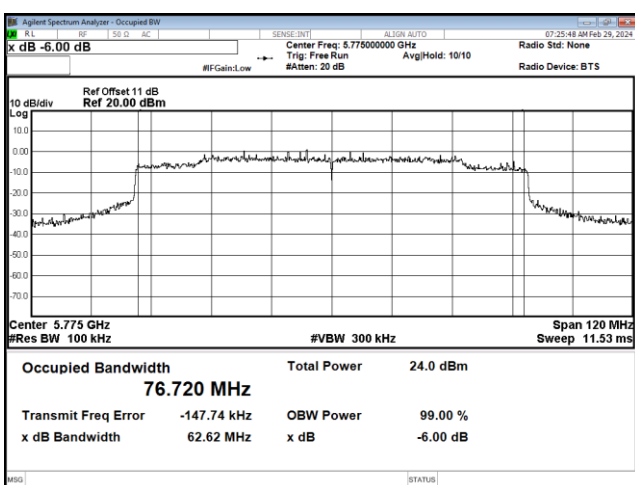


CH159



Modulation Type: 802.11ax HE80

CH155

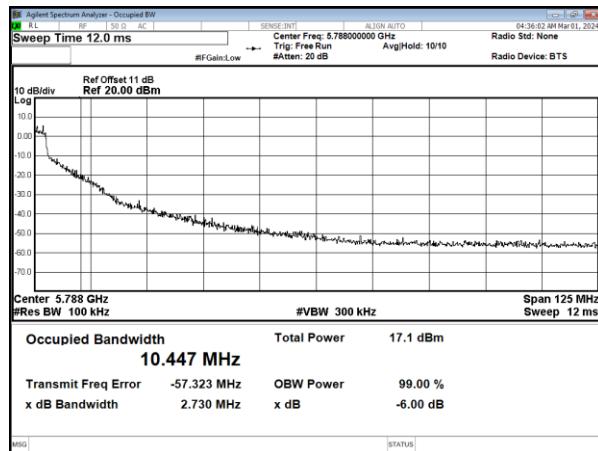




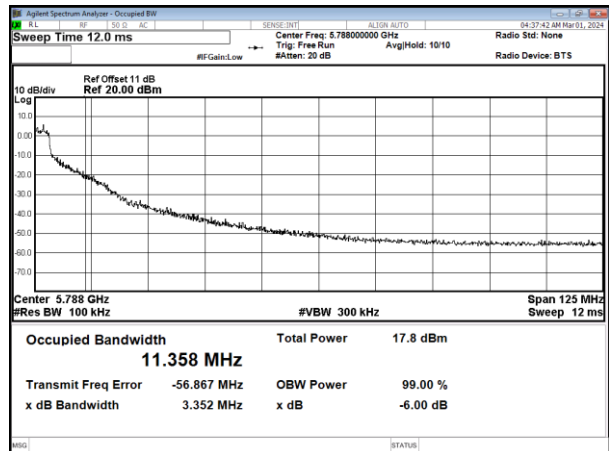
6dB Bandwidth (UNII Emission Bandwidth Result (Extends across 5725MHz band))

Modulation Standard: 802.11a

CH144

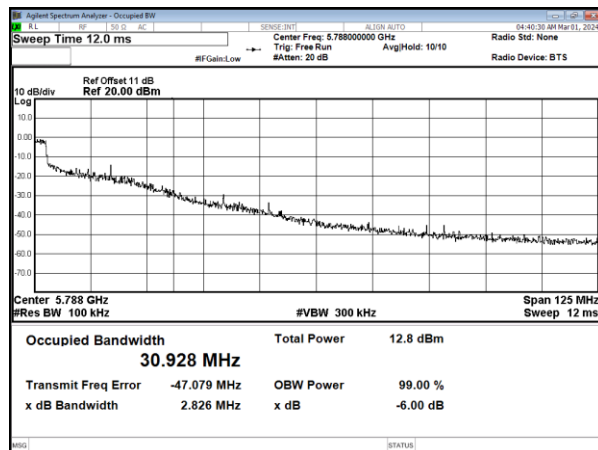


CH144



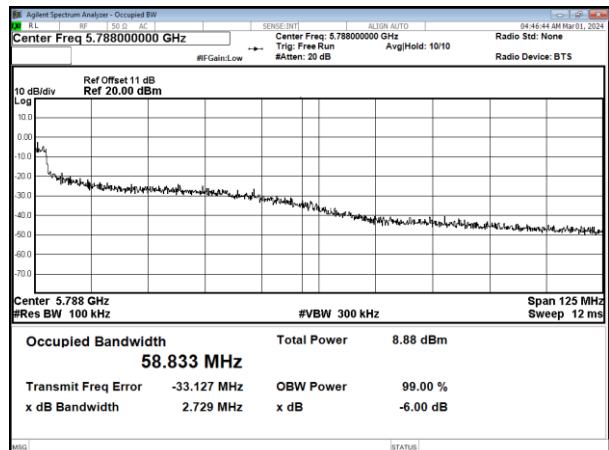
Modulation Standard: 802.11ac VHT40

CH142



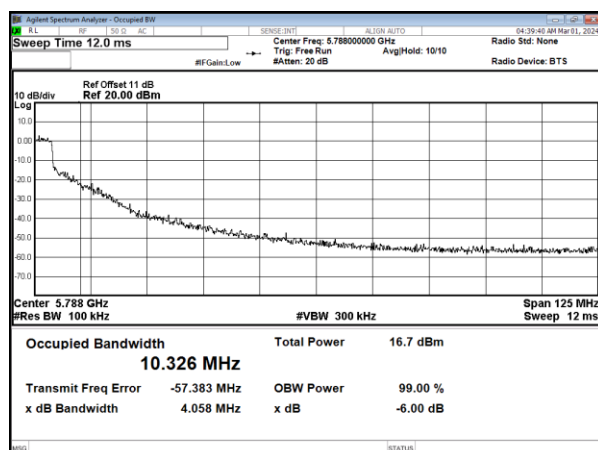
Modulation Standard: 802.11ac VHT80

CH138



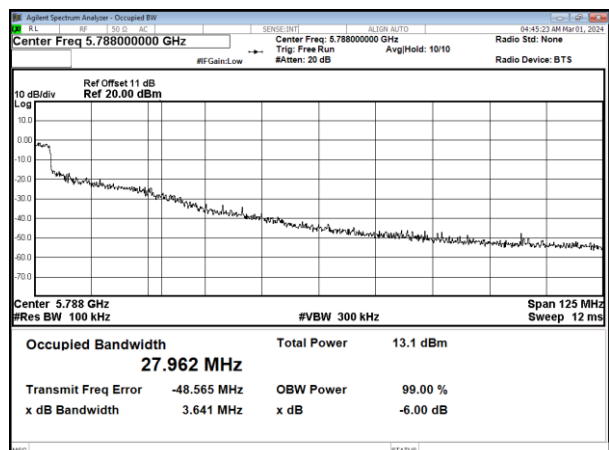
Modulation Standard: 802.11 ax HE20

CH144



Modulation Standard: 802.11 ax HE40

CH142

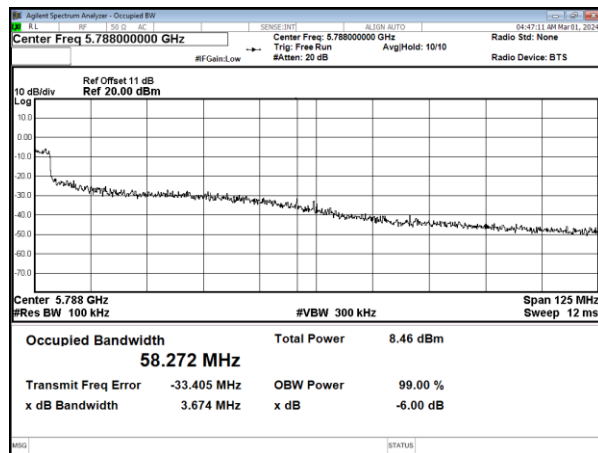




6dB Bandwidth (Extends across 5725MHz band)

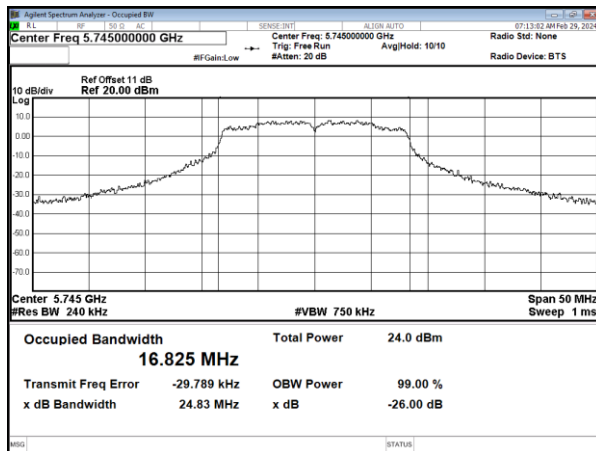
Modulation Standard: 802.11 ax HE80

CH138

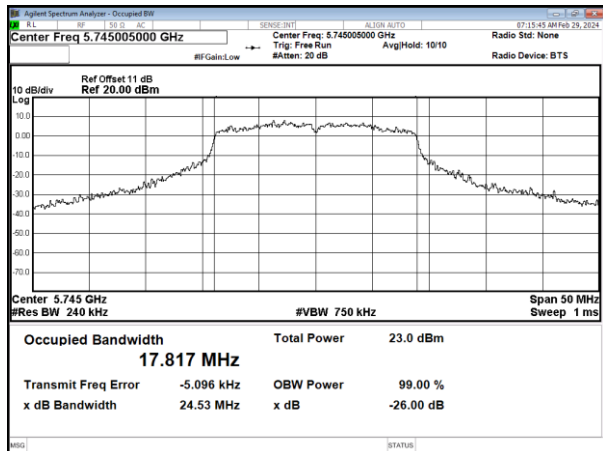




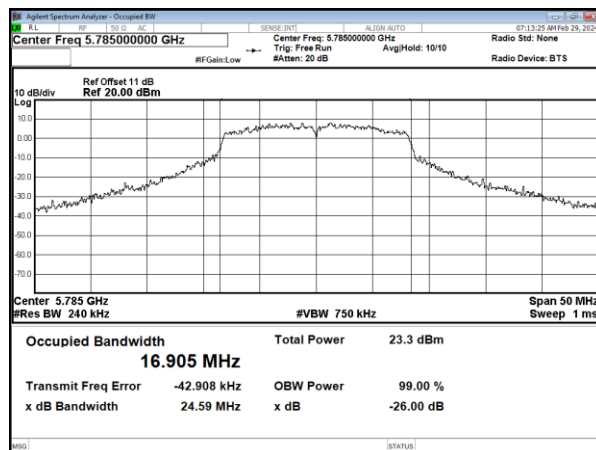
SISO (ANT A)
99% Occupied Bandwidth
Modulation Type: 802.11a
CH149



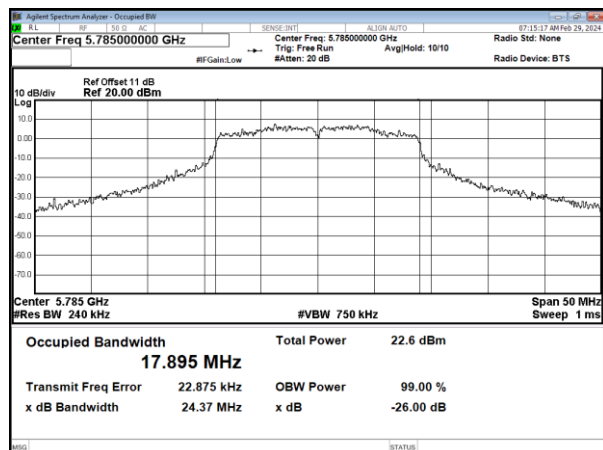
Modulation Type: 802.11ac, VHT20
CH149



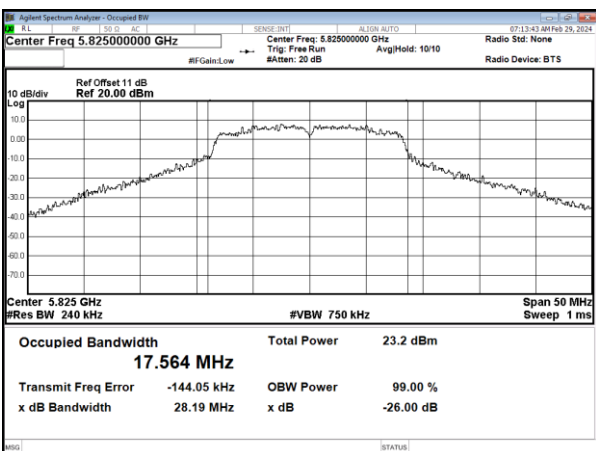
CH157



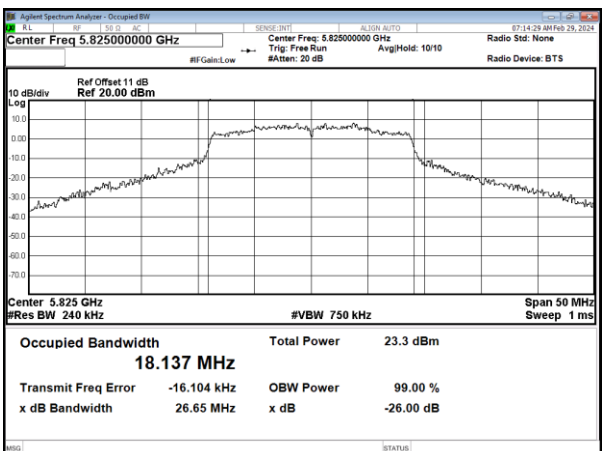
CH157



CH165

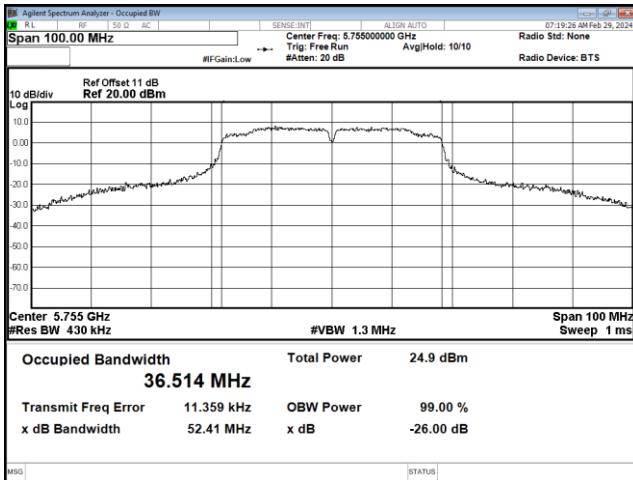


CH165

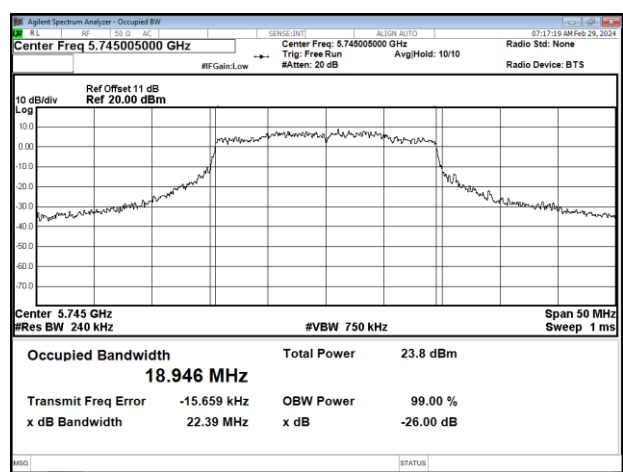




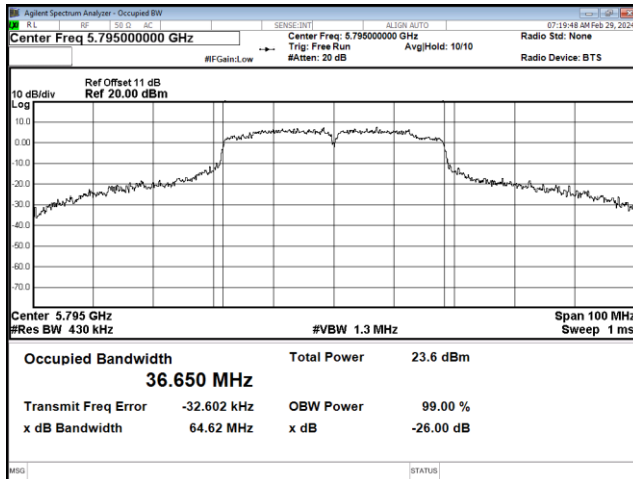
99% Occupied Bandwidth
Modulation Type: 802.11ac, VHT40
CH151



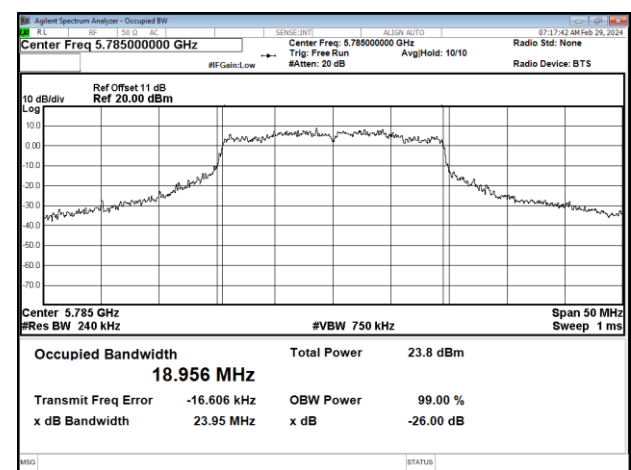
Modulation Type: 802.1111ax HE20
CH149



CH159

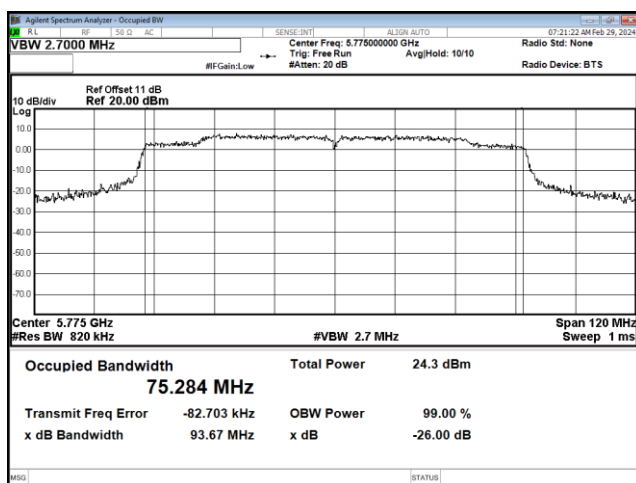


CH157

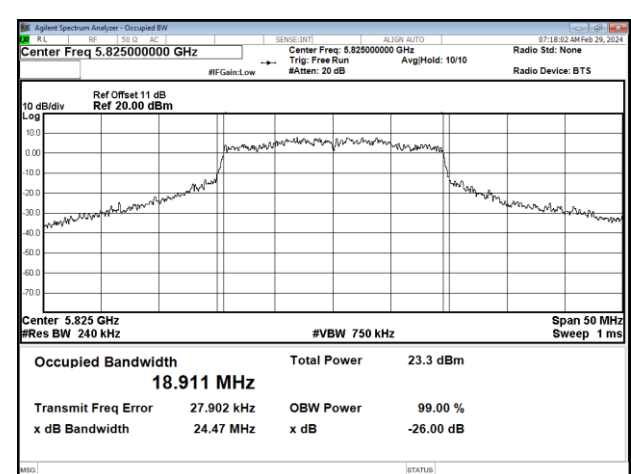


Modulation Type: 802.11ac, VHT80

CH155

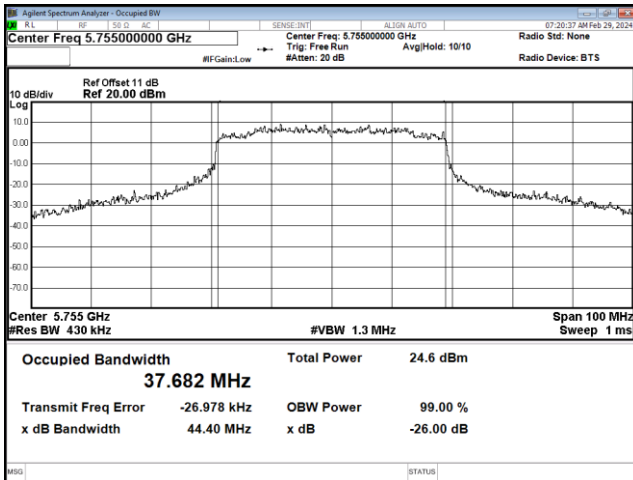


CH165

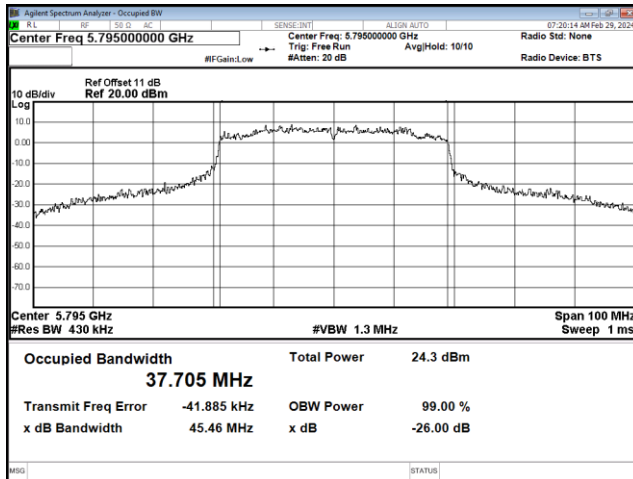




99% Occupied Bandwidth
Modulation Type: 802.11ax HE40
CH151

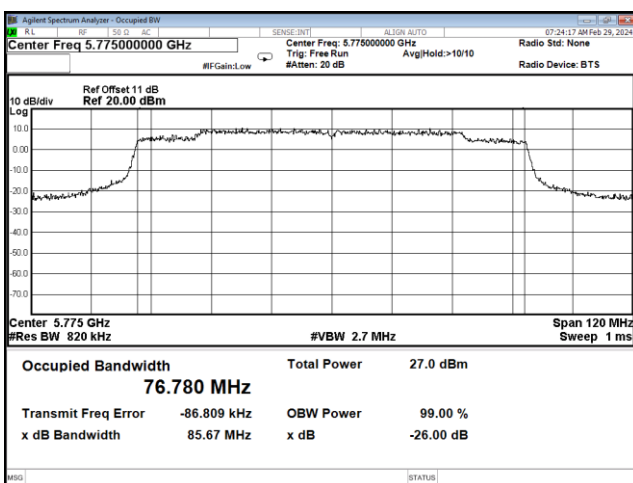


CH159



Modulation Type: 802.11ax HE80

CH155

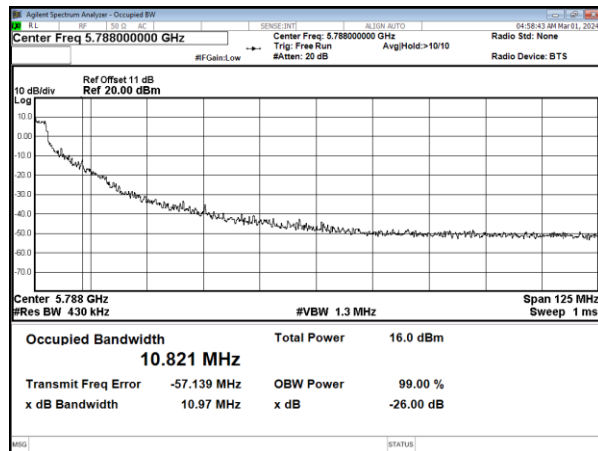




99% Occupied Bandwidth (UNII Emission Bandwidth Result (Extends across 5725MHz band))

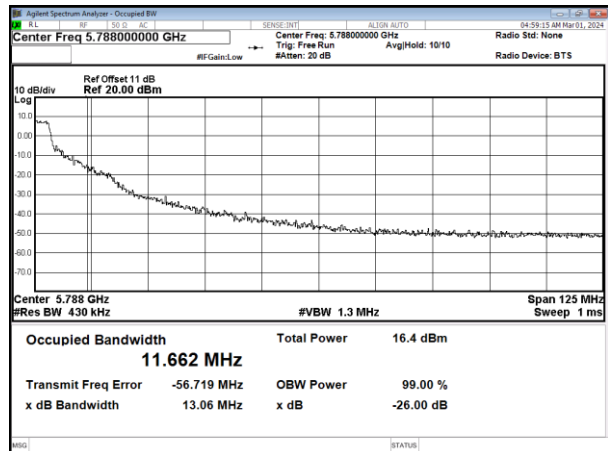
Modulation Standard: 802.11a

CH144



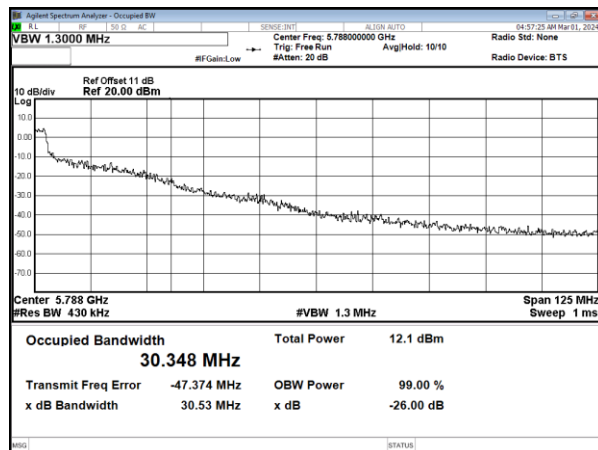
Modulation Standard: 802.11ac VHT20

CH144



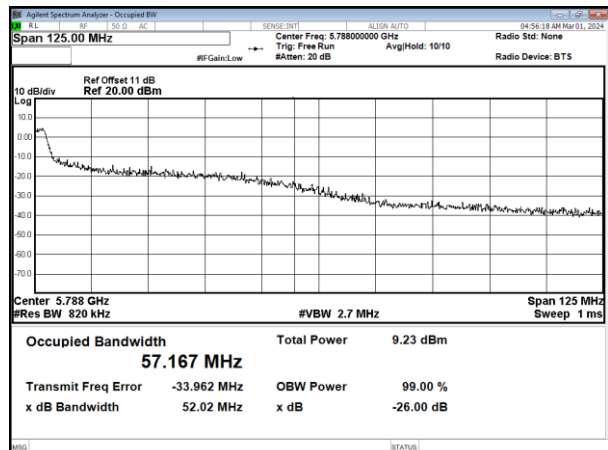
Modulation Standard: 802.11ac VHT40

CH142



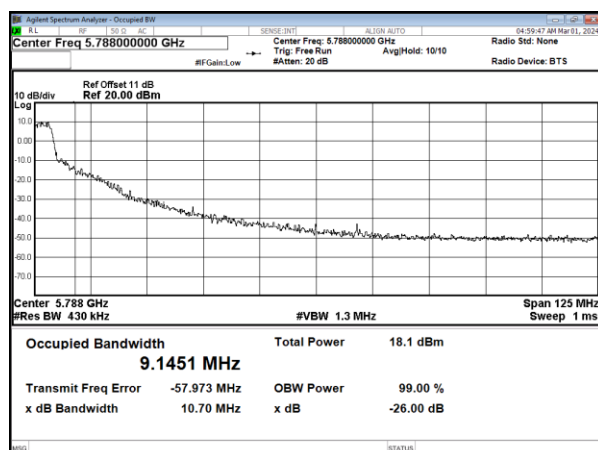
Modulation Standard: 802.11ac VHT80

CH138



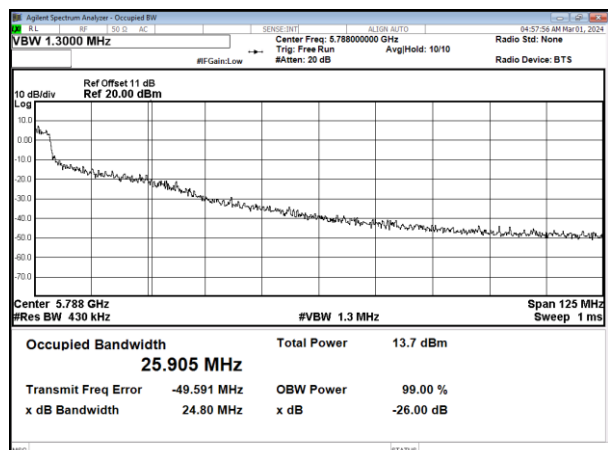
Modulation Standard: 802.11 ax HE20

CH144



Modulation Standard: 802.11 ax HE40

CH142

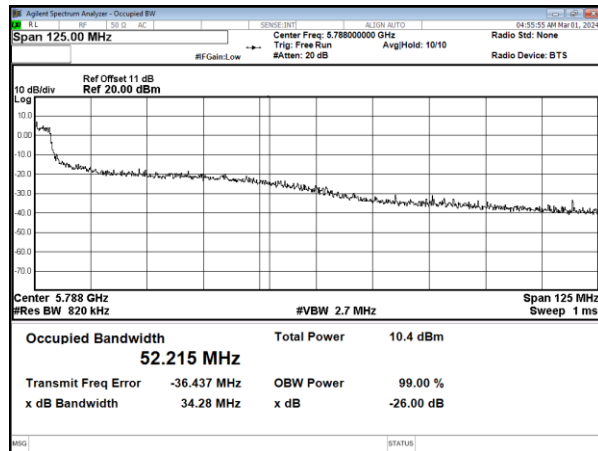




99% Occupied Bandwidth (UNII Emission Bandwidth Result (Extends across 5725MHz band))

Modulation Standard: 802.11 ax HE80

CH138





9. 26dB Bandwidth & 99% Occupied Bandwidth

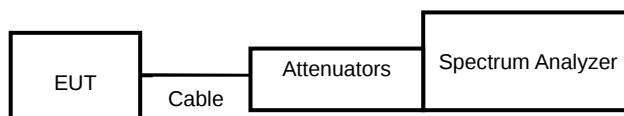
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 v02r01 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

9.3. Test Setup Layout



**9.4. Test Result and Data (26dB Bandwidth)****In the 5.2G Band**

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	36	5180	22.77
	44	5220	23.52
	48	5240	22.98
802.11ac VHT20	36	5180	22.96
	44	5220	23.00
	48	5240	24.14
802.11ac VHT40	38	5190	42.45
	46	5230	41.94
802.11ac VHT80	42	5210	83.06
802.11ax HE20	36	5180	22.17
	44	5220	22.34
	48	5240	22.42
802.11ax HE40	38	5190	42.09
	46	5230	41.14
802.11ax HE80	42	5210	83.89

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	52	5260	22.67
	60	5300	23.28
	64	5320	23.11
802.11ac VHT20	52	5260	23.13
	60	5300	23.34
	64	5320	22.61
802.11ac VHT40	54	5270	41.95
	62	5310	42.35
802.11ac VHT80	58	5290	83.97
802.11ax HE20	52	5260	22.71
	60	5300	23.38
	64	5320	23.12
802.11ax HE40	54	5270	43.35
	62	5310	41.98
802.11ax HE80	58	5290	82.34

**In the 5.5G Band**

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	100	5500	23.93
	116	5580	22.78
	140	5700	23.15
802.11ac VHT20	100	5500	22.94
	116	5580	23.4
	140	5700	23.87
802.11ac VHT40	102	5510	42.4
	110	5550	42.48
	134	5670	44.13
802.11ac VHT80	106	5530	85.16
	122	5610	86.53
802.11ax HE20	100	5500	22.32
	116	5580	22.59
	140	5700	23.15
802.11ax HE40	102	5510	42.43
	110	5550	42.00
	134	5670	41.69
802.11ax HE80	106	5530	81.69
	122	5610	81.98

UNII Emission Bandwidth Result (Within 5470-5725MHz band)

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
			ANT A
11a	144	5720	20.68
11ac VHT20	144	5720	21.83
11ac VHT40	142	5710	55.17
11ac VHT80	138	5690	99.97
11ax HE20	144	5720	19.80
11ax HE40	142	5710	48.23
11ax HE80	138	5690	77.74

**9.5. Test Result and Data (99% Occupied Bandwidth)****In the 5.2G Band**

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11a	36	5180	16.631
	44	5220	16.643
	48	5240	16.663
802.11ac VHT20	36	5180	17.754
	44	5220	17.769
	48	5240	17.784
802.11ac VHT40	38	5190	36.086
	46	5230	36.086
802.11ac VHT80	42	5210	75.058
802.11ax HE20	36	5180	18.935
	44	5220	18.876
	48	5240	18.863
802.11ax HE40	38	5190	37.582
	46	5230	37.593
802.11ax HE80	42	5210	76.691

In the 5.3G Band

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11a	52	5260	16.625
	60	5300	16.651
	64	5320	16.628
802.11ac VHT20	52	5260	17.773
	60	5300	17.732
	64	5320	17.783
802.11ac VHT40	54	5270	36.074
	62	5310	36.064
802.11ac VHT80	58	5290	75.081
802.11ax HE20	52	5260	18.944
	60	5300	18.922
	64	5320	18.881
802.11ax HE40	54	5270	37.562
	62	5310	37.504
802.11ax HE80	58	5290	76.627

**In the 5.5G Band**

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11a	100	5500	16.657
	116	5580	16.608
	140	5700	16.655
802.11ac VHT20	100	5500	17.756
	116	5580	17.719
	140	5700	17.746
802.11ac VHT40	102	5510	36.084
	110	5550	36.113
	134	5670	36.129
802.11ac VHT80	106	5530	75.091
	122	5610	75.124
802.11ax HE20	100	5500	18.914
	116	5580	18.883
	140	5700	18.942
802.11ax HE40	102	5510	37.535
	110	5550	37.511
	134	5670	37.539
802.11ax HE80	106	5530	76.545
	122	5610	76.622

UNII Emission Bandwidth Result (Within 5470-5725MHz band)

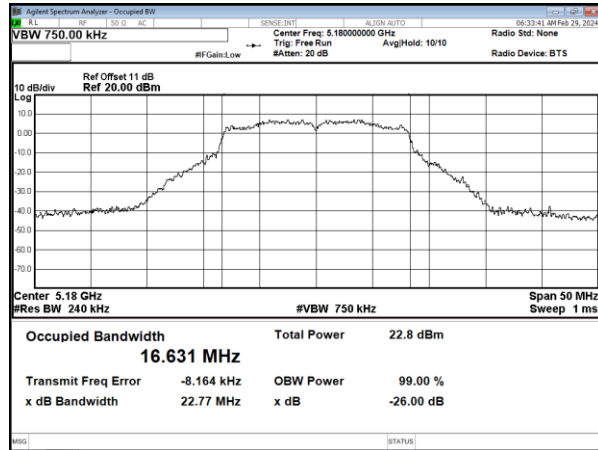
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
			ANT A
11a	144	5720	15.66
11ac VHT20	144	5720	16.48
11ac VHT40	142	5710	36.74
11ac VHT80	138	5690	72.94
11ax HE20	144	5720	15.31
11ax HE40	142	5710	34.41
11ax HE80	138	5690	73.32

**SISO (ANT A)**

26dB Bandwidth & 99% Occupied Bandwidth, UNII-1

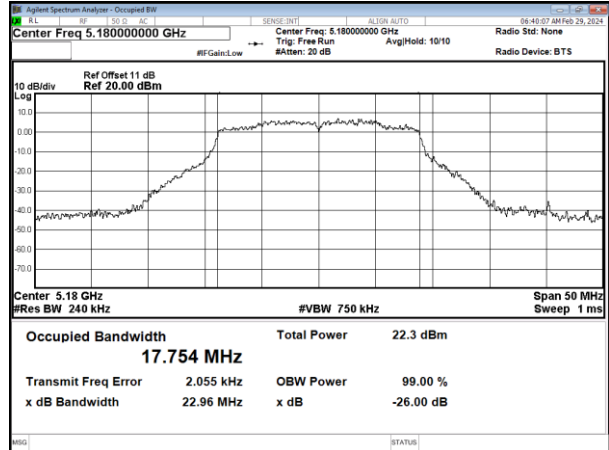
Modulation Standard: 802.11a

CH36

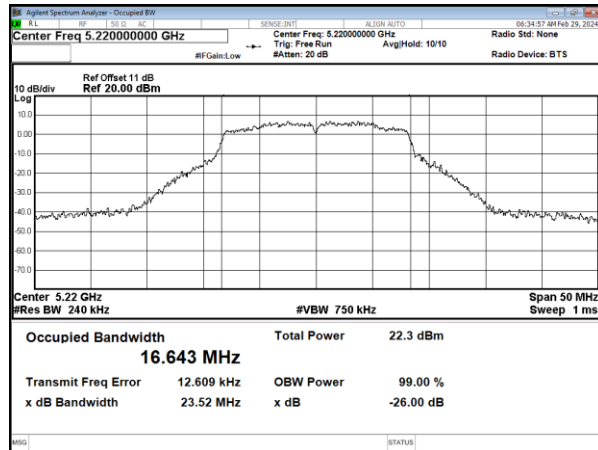


Modulation Standard: 802.11ac VHT20

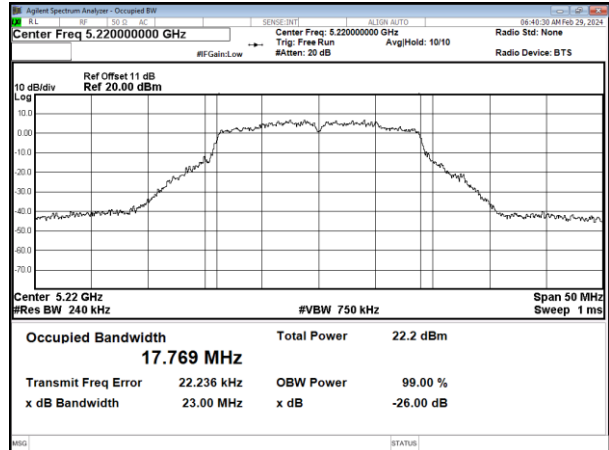
CH36



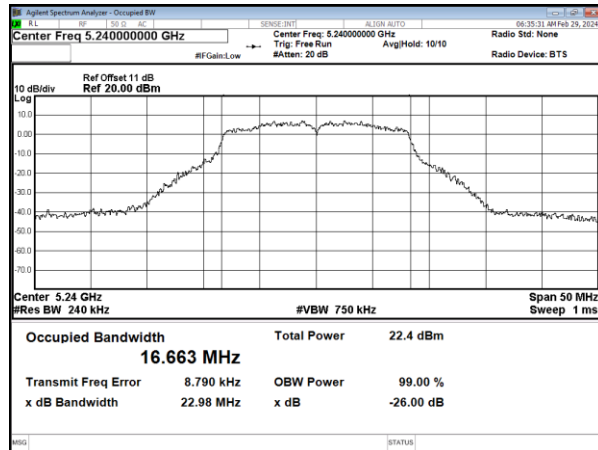
CH44



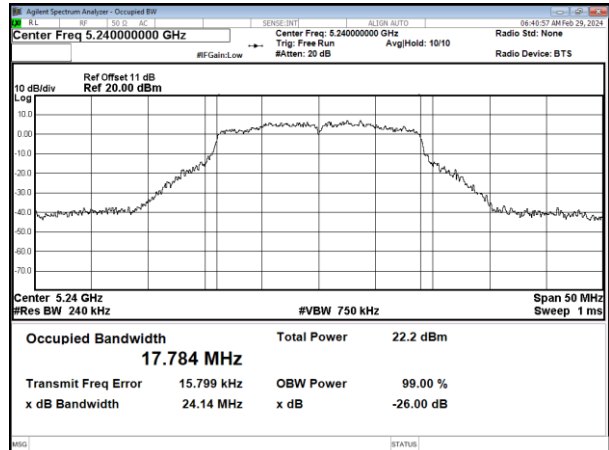
CH44



CH48



CH48

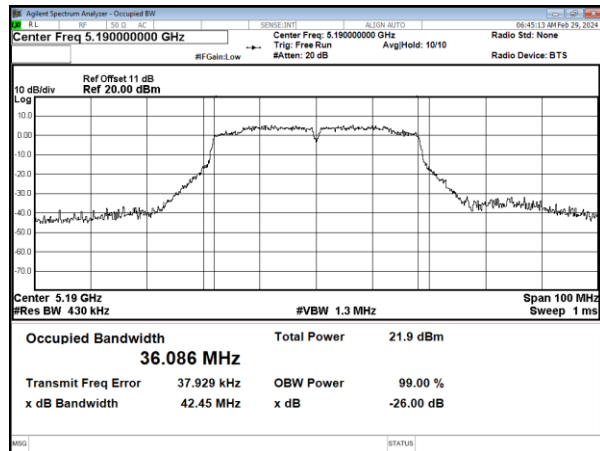




26dB Bandwidth &99% Occupied Bandwidth, UNII-1

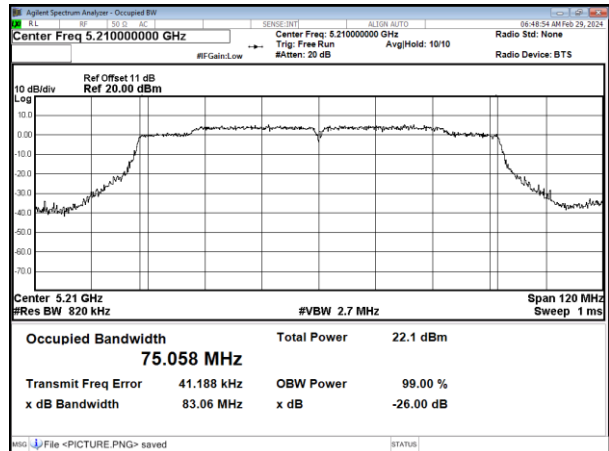
Modulation Standard: 802.11ac VHT40

CH38

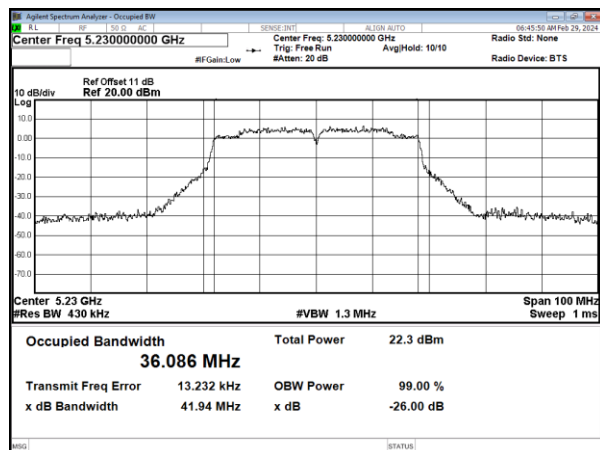


Modulation Standard: 802.11ac VHT80

CH42



CH46

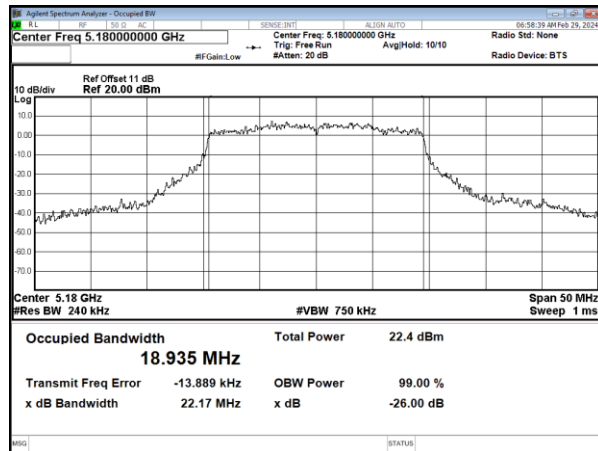




26dB Bandwidth &99% Occupied Bandwidth, UNII-1

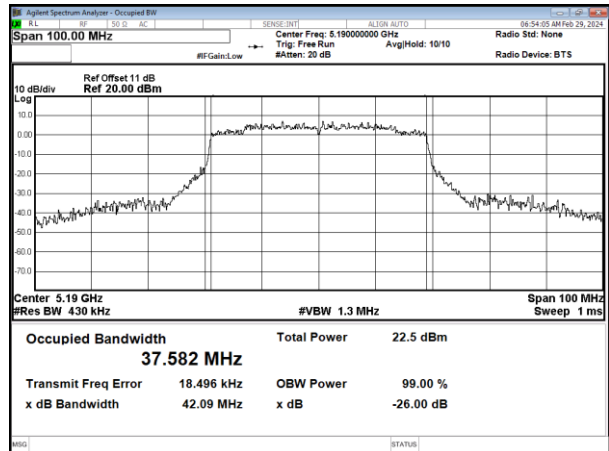
Modulation Standard: 802.11 ax HE20

CH36

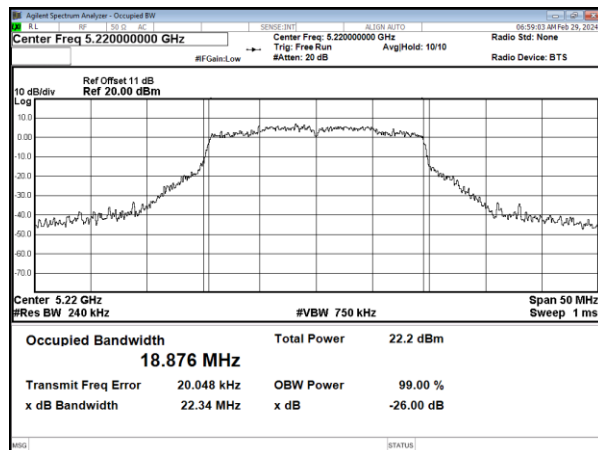


Modulation Standard: 802.11 ax HE40

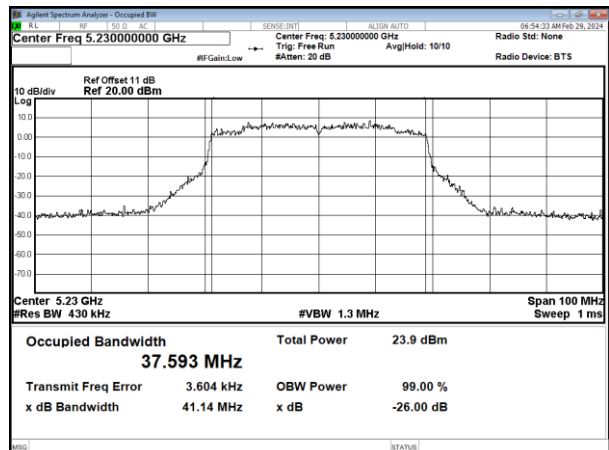
CH38



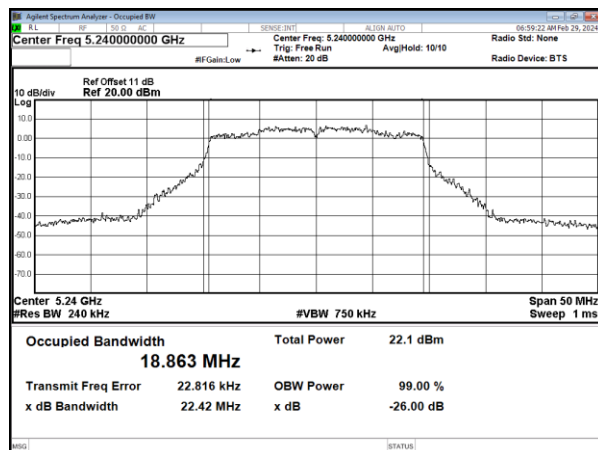
CH44



CH46

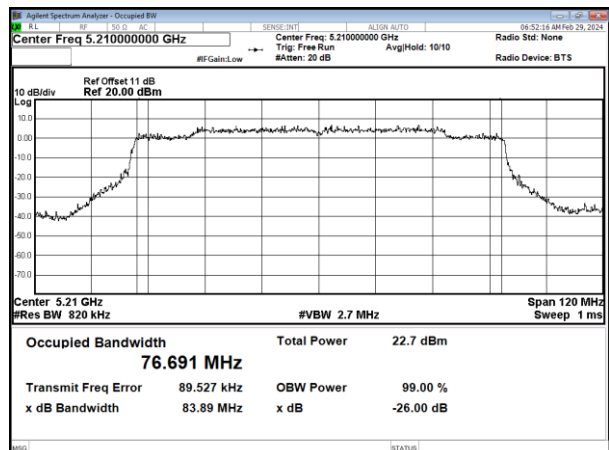


CH48



Modulation Standard: 802.11 ax HE80

CH42

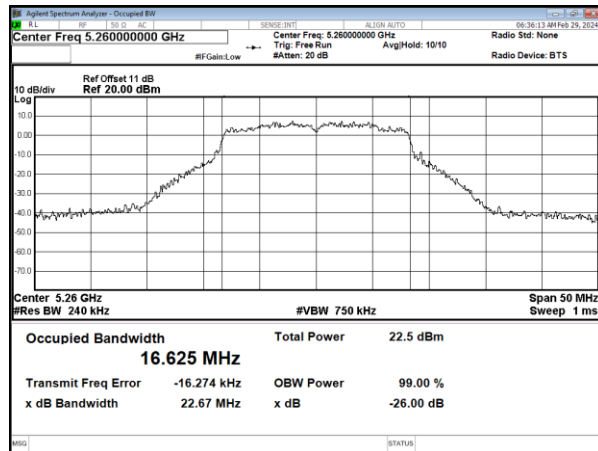




26dB Bandwidth &99% Occupied Bandwidth, UNII-2A

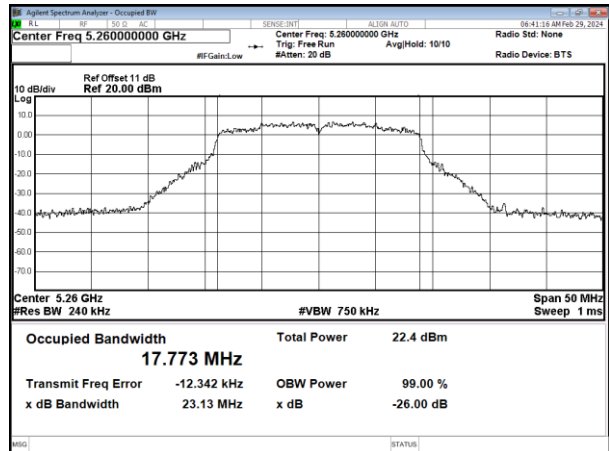
Modulation Standard: 802.11a

CH52

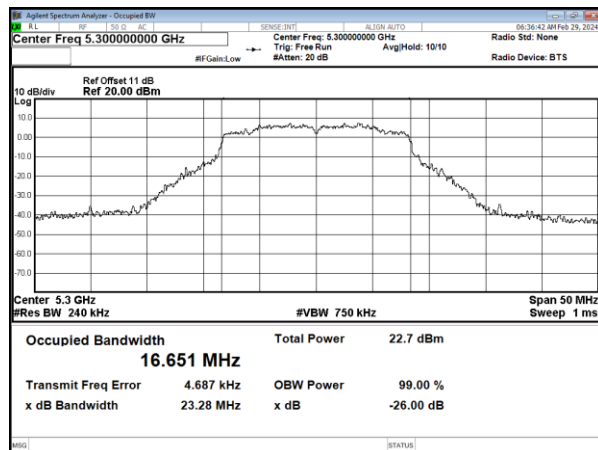


Modulation Standard: 802.11ac VHT20

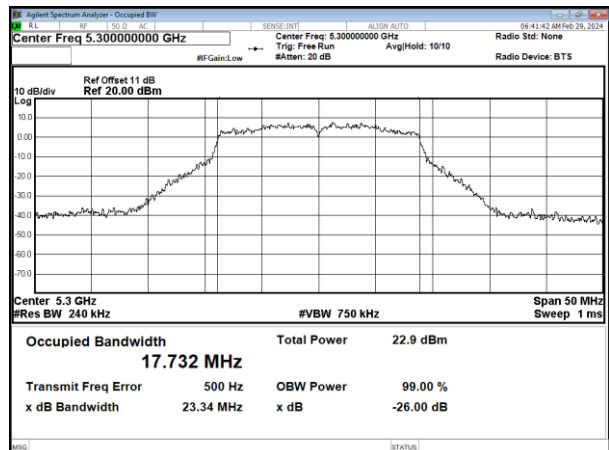
CH52



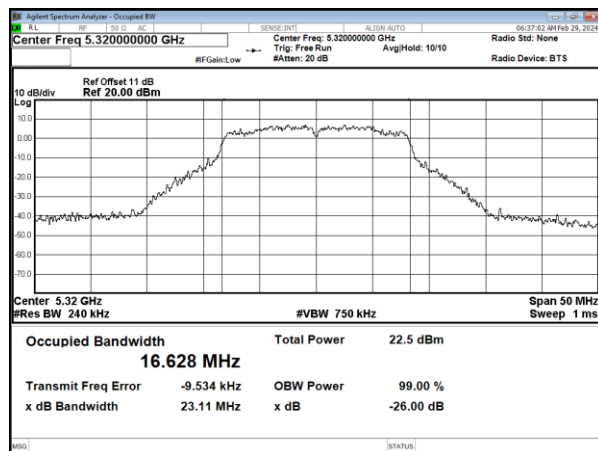
CH60



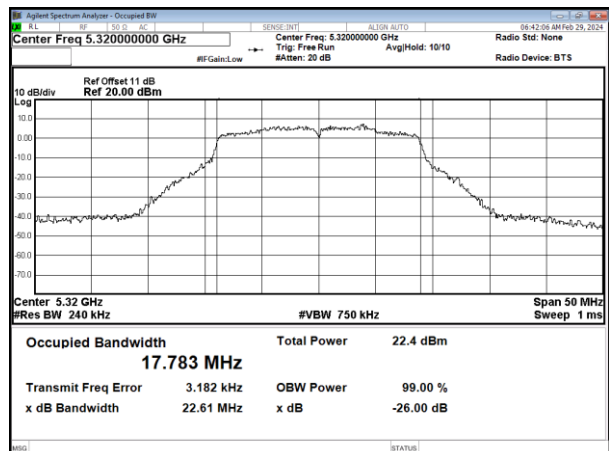
CH60



CH64



CH64

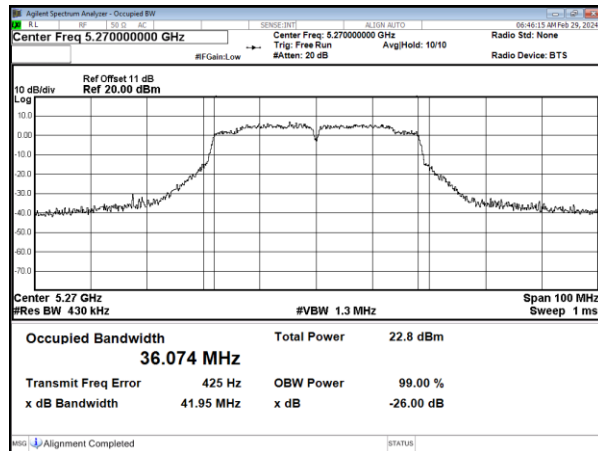




26dB Bandwidth &99% Occupied Bandwidth, UNII-2A

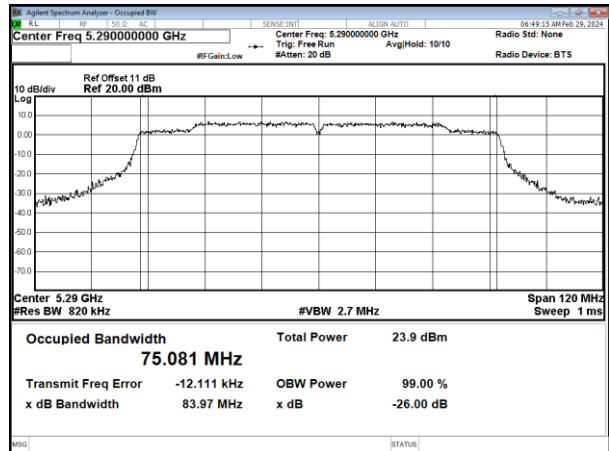
Modulation Standard: 802.11ac VHT40

CH54

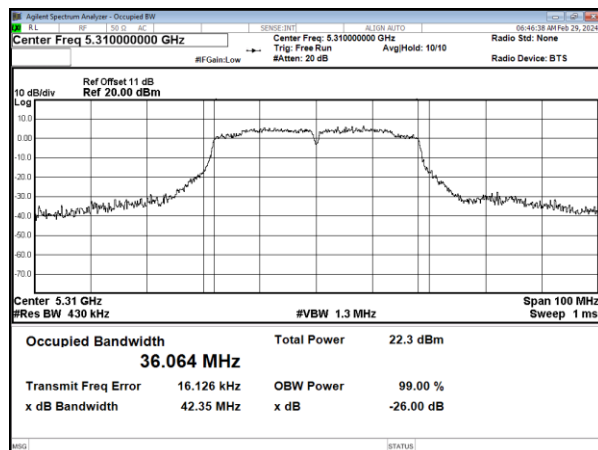


Modulation Standard: 802.11ac VHT80

CH58



CH62

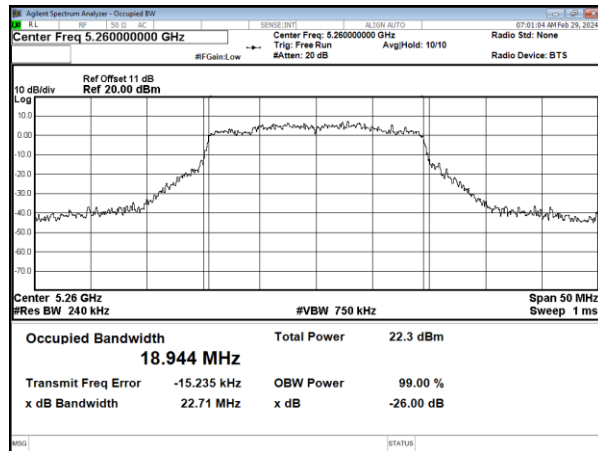




26dB Bandwidth &99% Occupied Bandwidth, UNII-2A

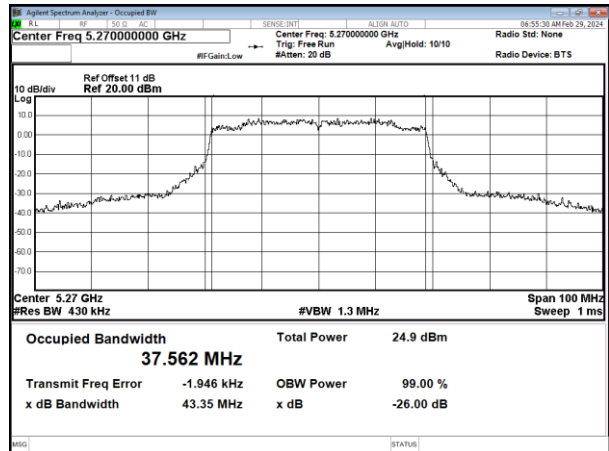
Modulation Standard: 802.11 ax HE20

CH52

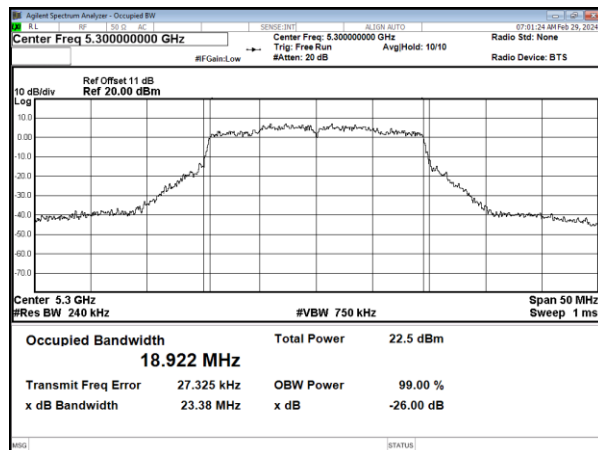


Modulation Standard: 802.11 ax HE40

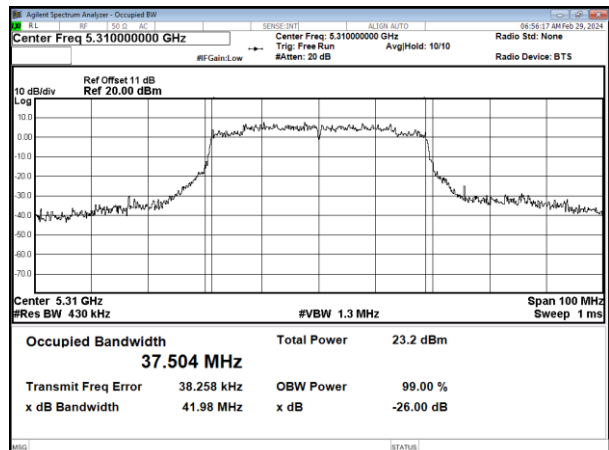
CH54



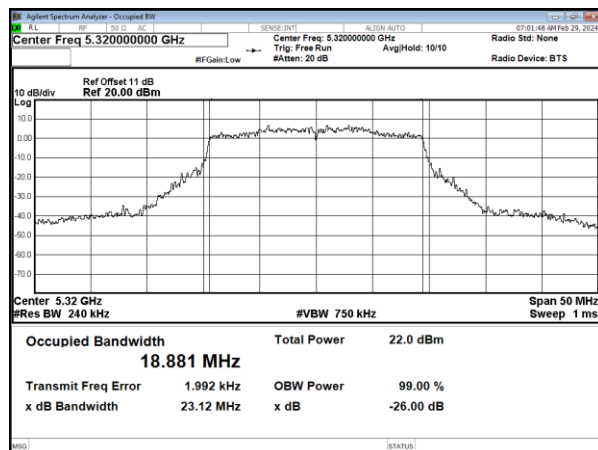
CH60



CH62

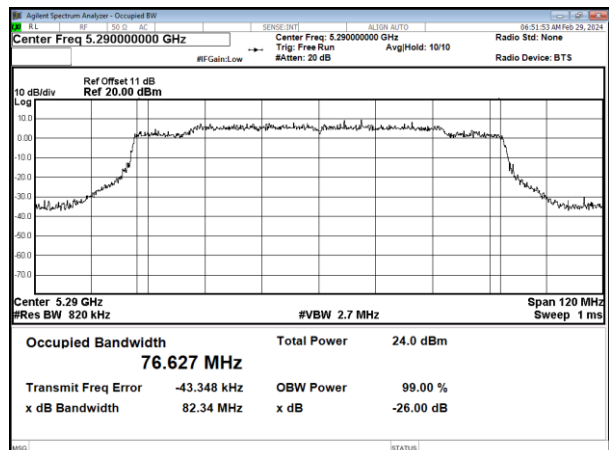


CH64



Modulation Standard: 802.11 ax HE80

CH58

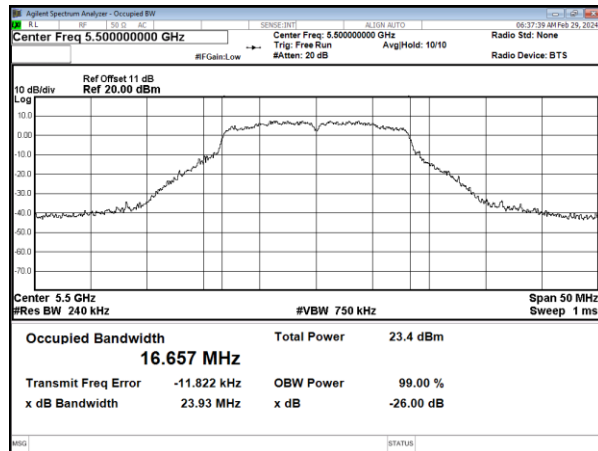




26dB Bandwidth & 99% Occupied Bandwidth, UNII-2C

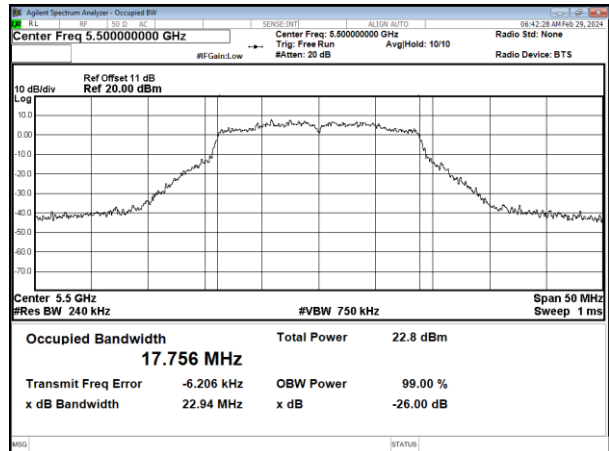
Modulation Standard: 802.11a

CH100

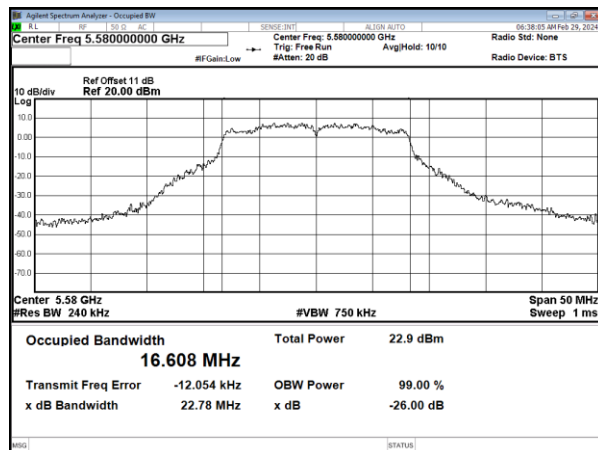


Modulation Standard: 802.11ac VHT20

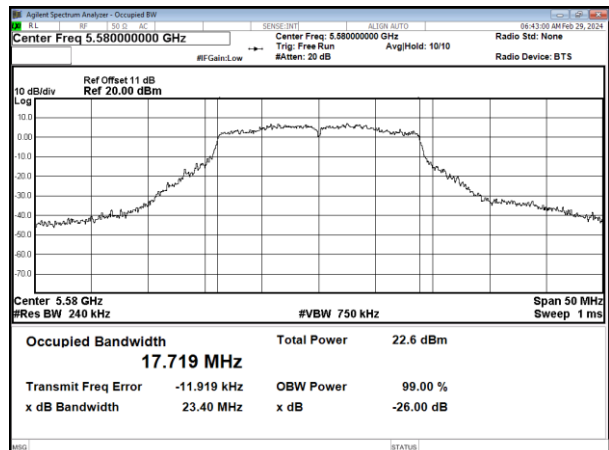
CH100



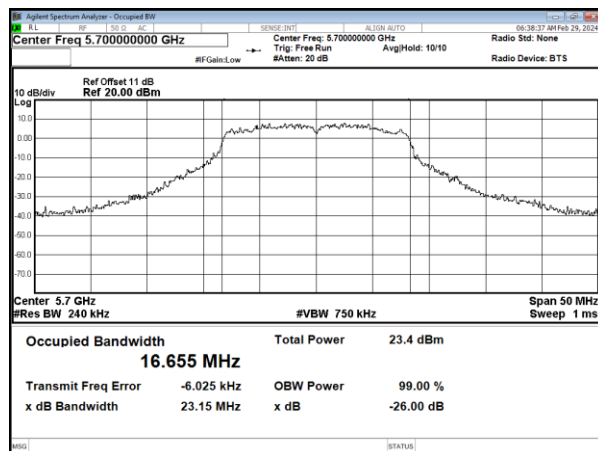
CH116



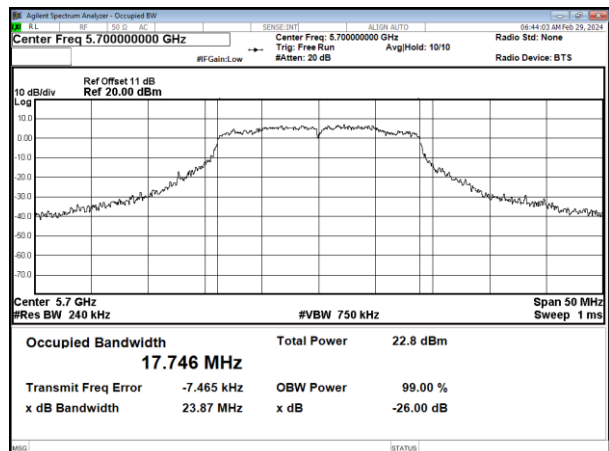
CH116



CH140



CH140

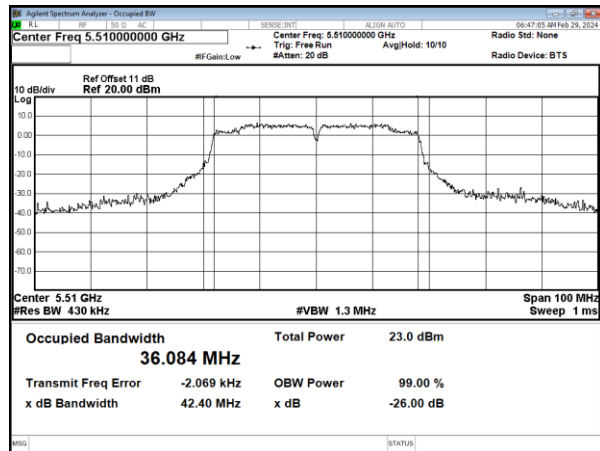




26dB Bandwidth & 99% Occupied Bandwidth, UNII-2C

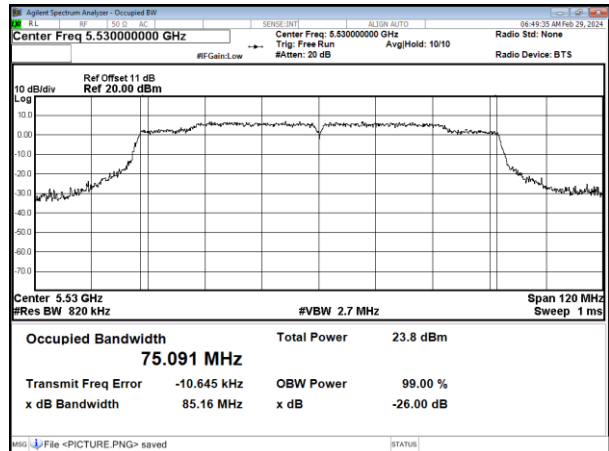
Modulation Standard: 802.11ac VHT40

CH102

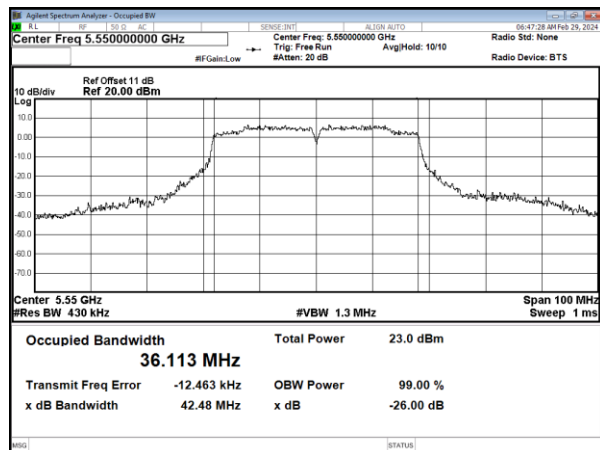


Modulation Standard: 802.11ac VHT80

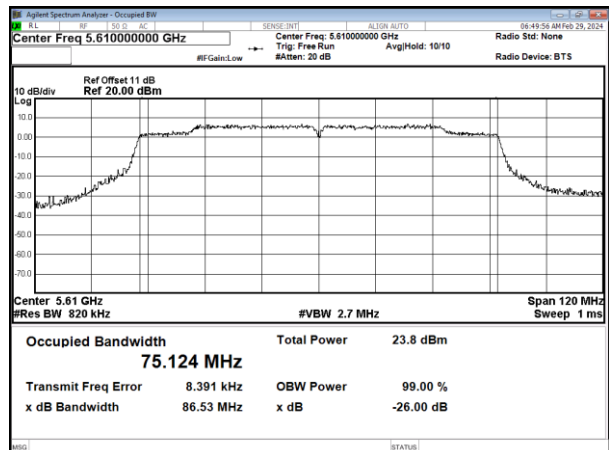
CH106



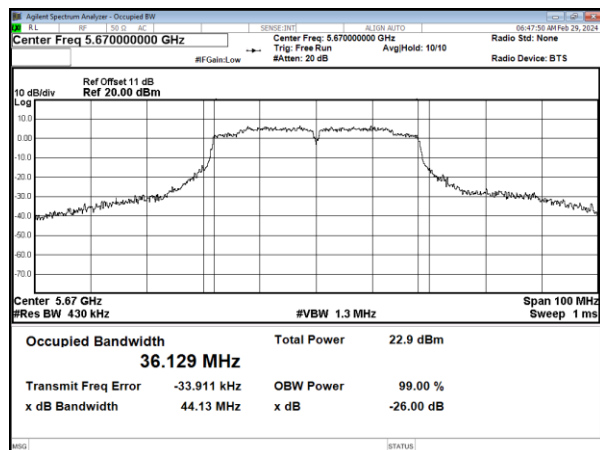
CH110



CH122



CH134

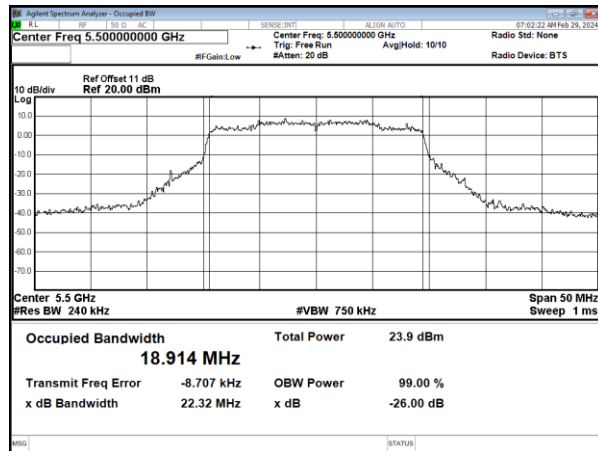




26dB Bandwidth &99% Occupied Bandwidth, UNII-2C

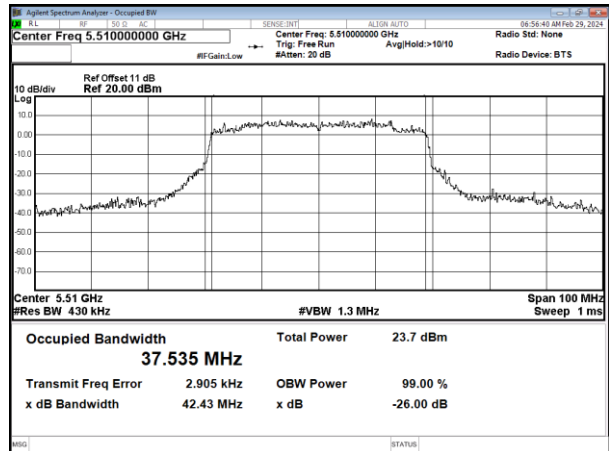
Modulation Standard: 802.11 ax HE20

CH100

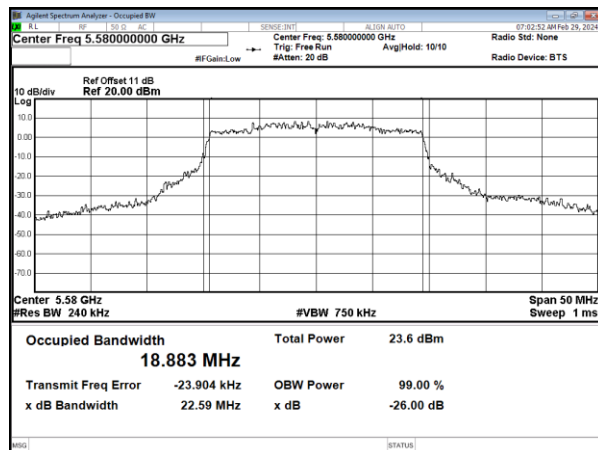


Modulation Standard: 802.11 ax HE40

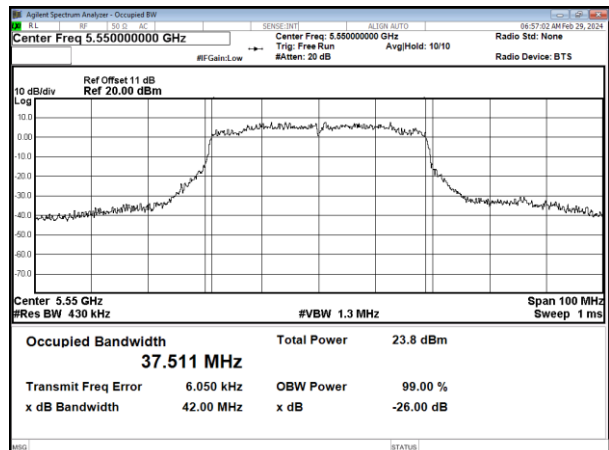
CH102



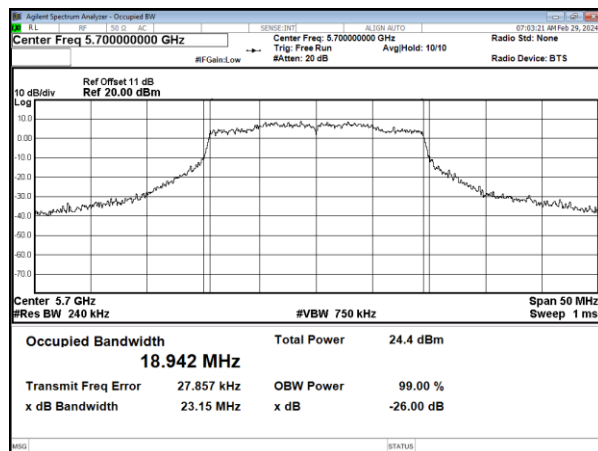
CH116



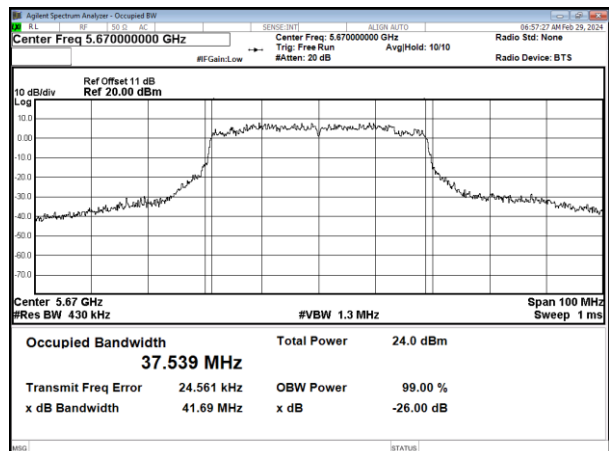
CH110



CH140



CH134

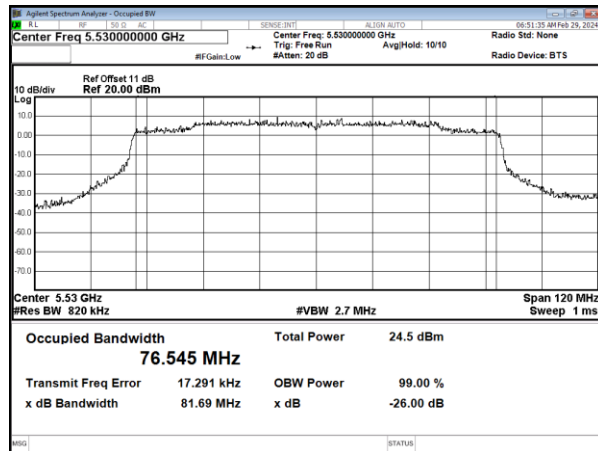




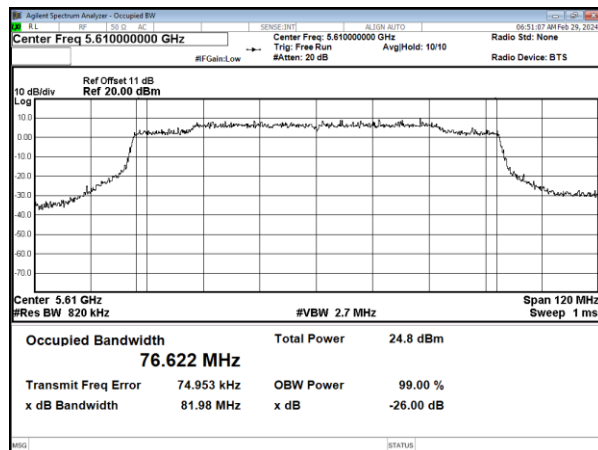
26dB Bandwidth &99% Occupied Bandwidth, UNII-2C

Modulation Standard: 802.11 ax HE80

CH106



CH122

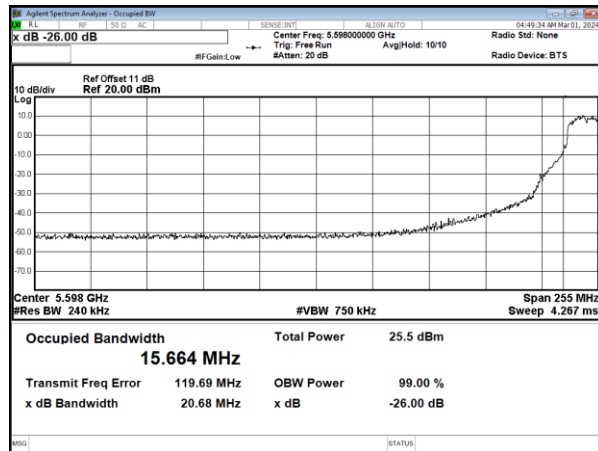




26dB Bandwidth & 99% Occupied Bandwidth, Within 5470-5725MHz band

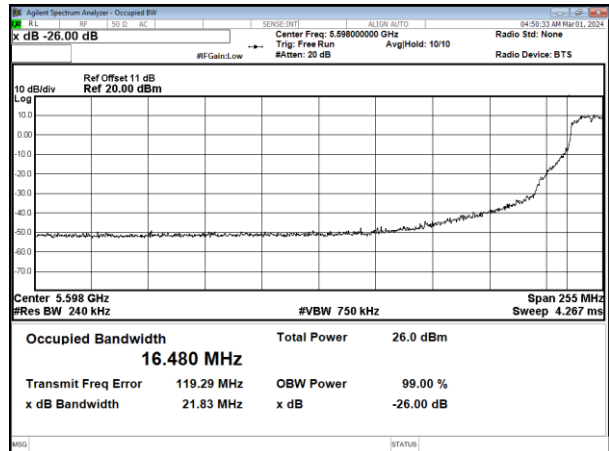
Modulation Standard: 802.11a

CH144



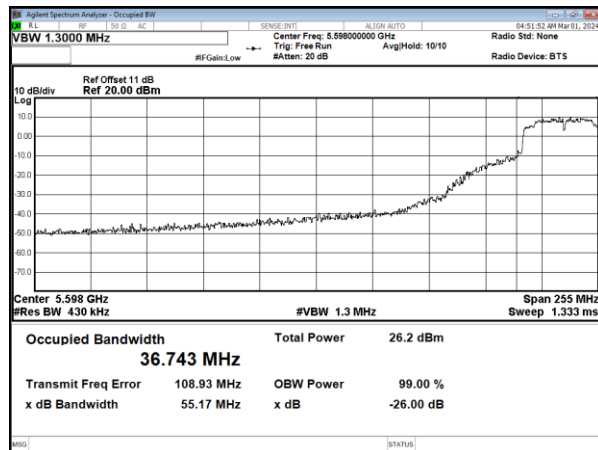
Modulation Standard: 802.11ac VHT20

CH144



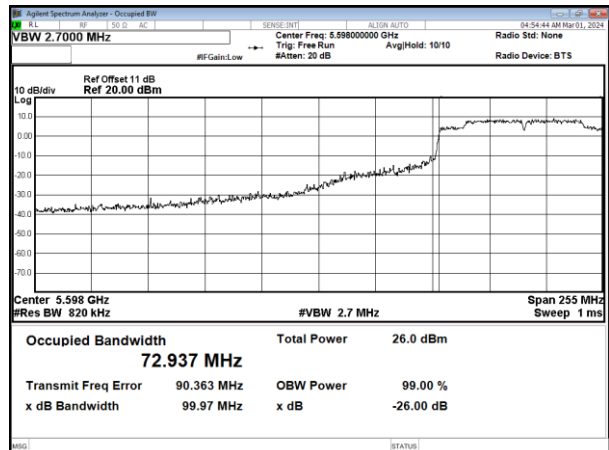
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH142



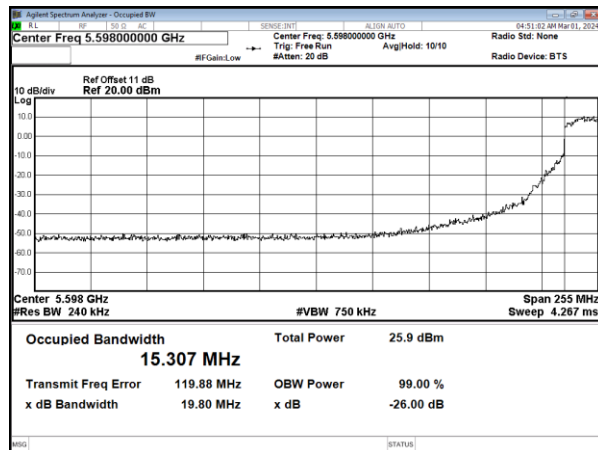
Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH138



Modulation Standard: 802.11 ax HE20 (7.3Mbps)

CH144



Modulation Standard: 802.11 ax HE40 (14.6Mbps)

CH142

