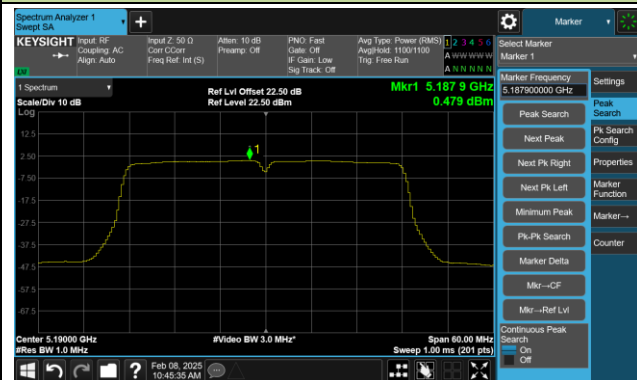
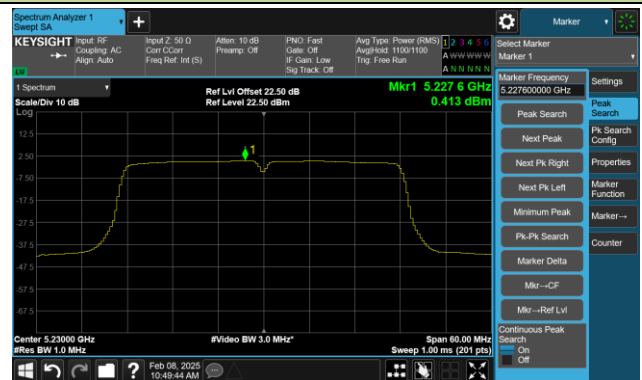


802.11ac-VHT40 Power Spectral Density- Ant 1

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



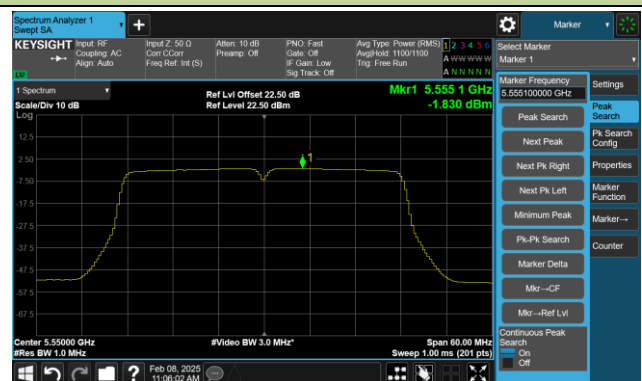
Channel 62 (5310MHz)



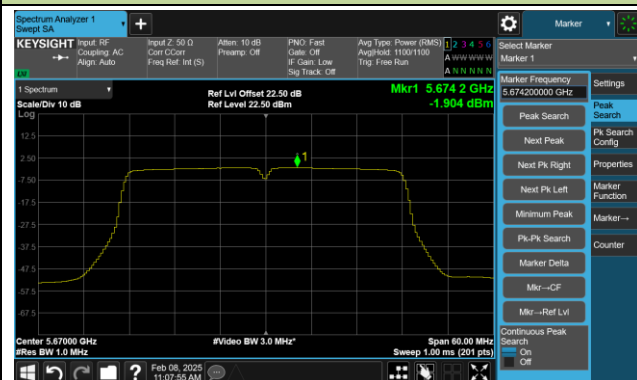
Channel 102 (5510MHz)



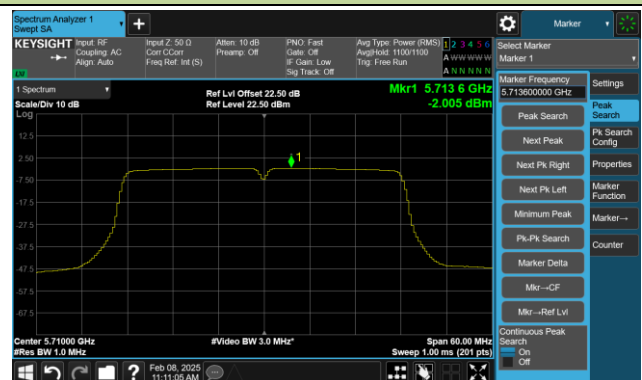
Channel 110 (5550MHz)



Channel 134 (5670MHz)

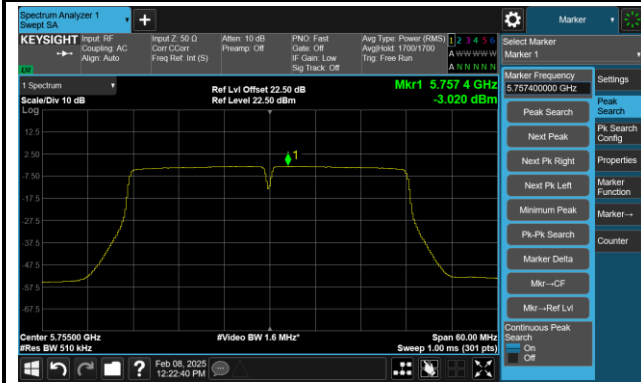


Channel 142(5710MHz)

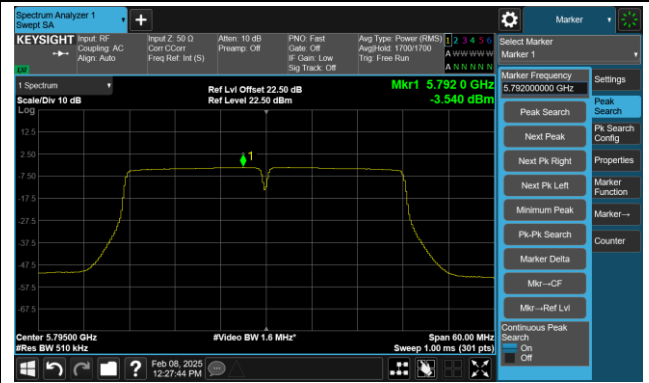


802.11ac-VHT40 Power Spectral Density- Ant 1

Channel 151 (5755MHz)



Channel 159 (5795MHz)

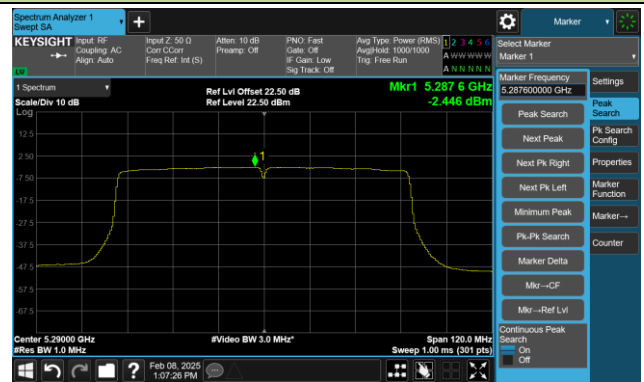


802.11ac-VHT80 Power Spectral Density- Ant 1

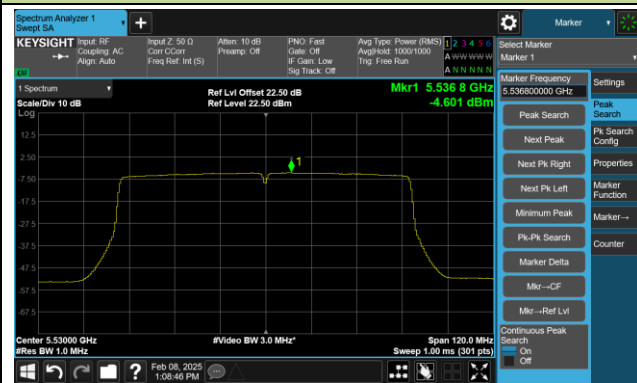
Channel 42 (5210MHz)



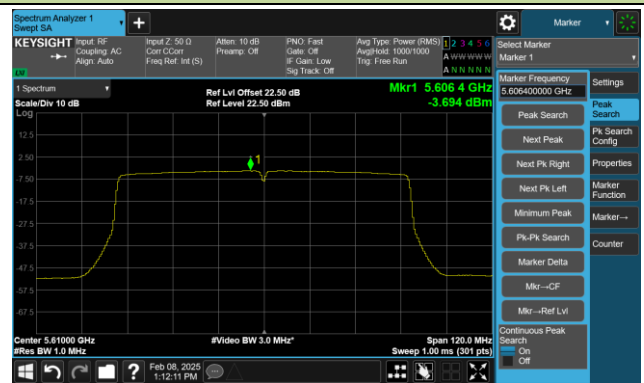
Channel 58 (5290MHz)



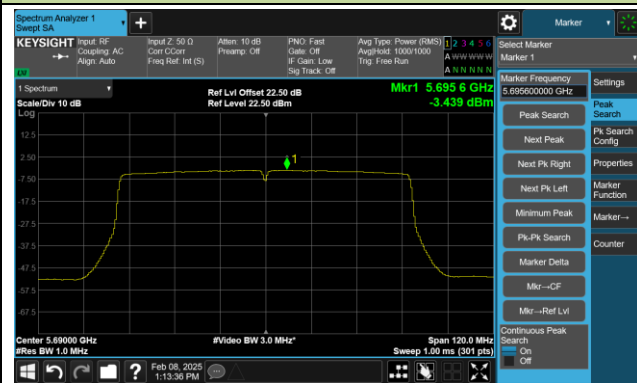
Channel 106 (5530MHz)



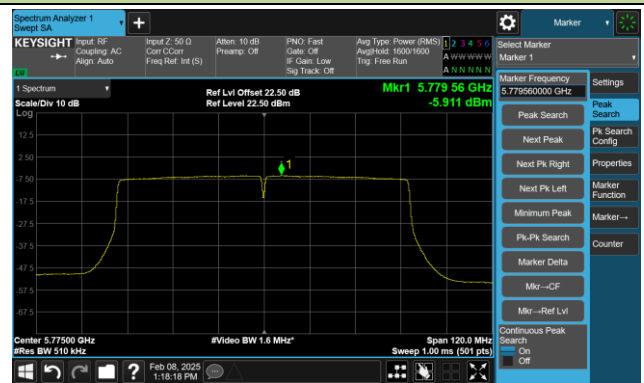
Channel 122 (5610MHz)



Channel 138 (5690MHz)

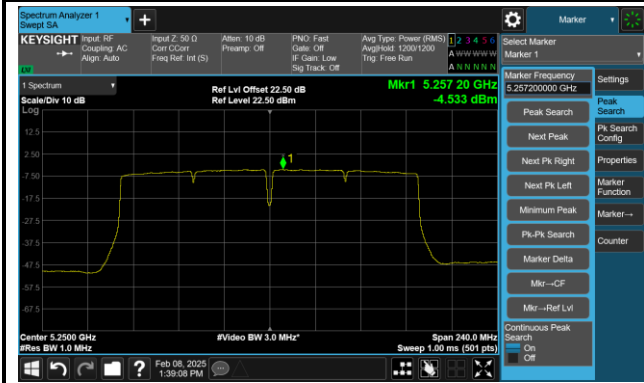


Channel 155 (5775MHz)



802.11ac-VHT160 Power Spectral Density- Ant 1

Channel 50 (5250MHz)

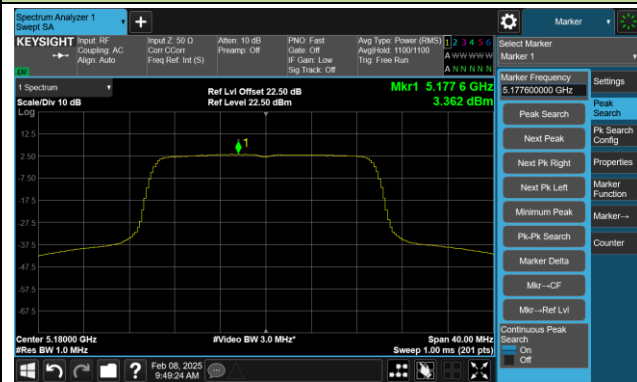


Channel 114 (5570MHz)

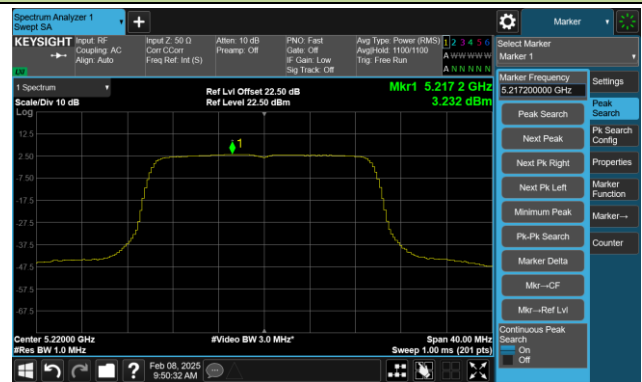


802.11ax-HE20 Power Spectral Density- Ant 1

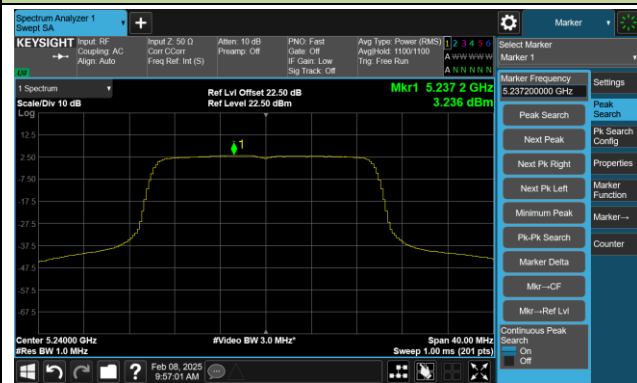
Channel 36 (5180MHz)



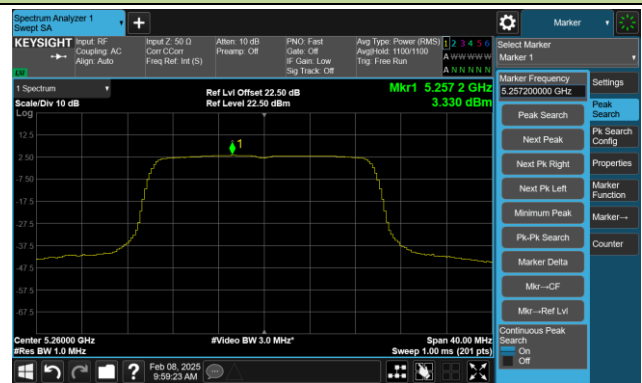
Channel 44 (5220MHz)



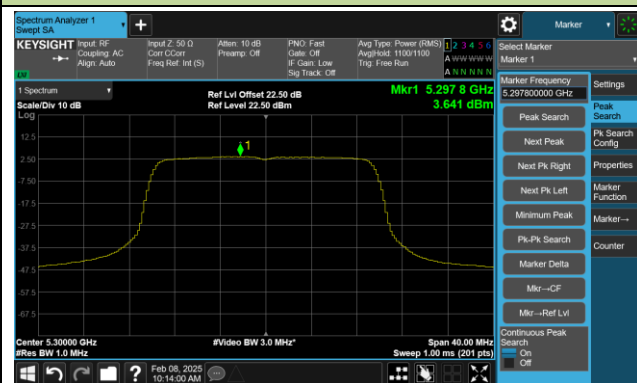
Channel 48 (5240MHz)



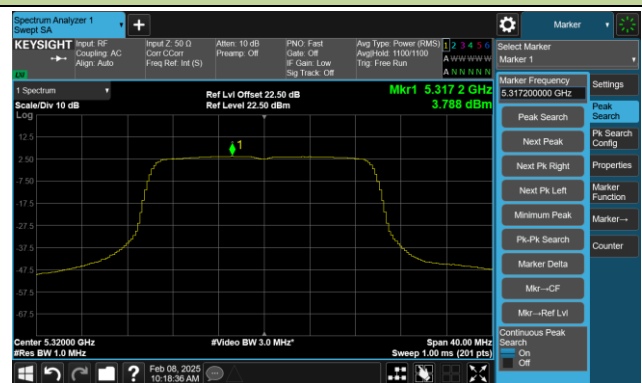
Channel 52 (5260MHz)



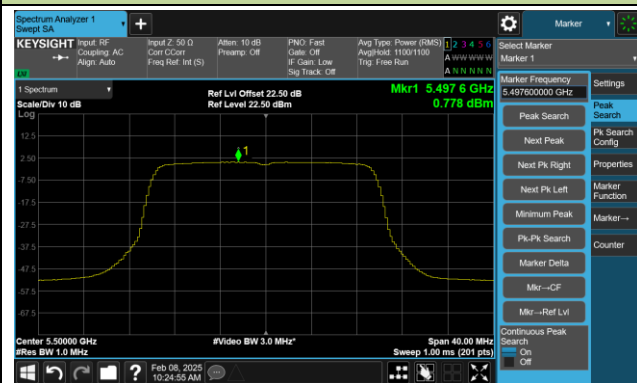
Channel 60 (5300MHz)



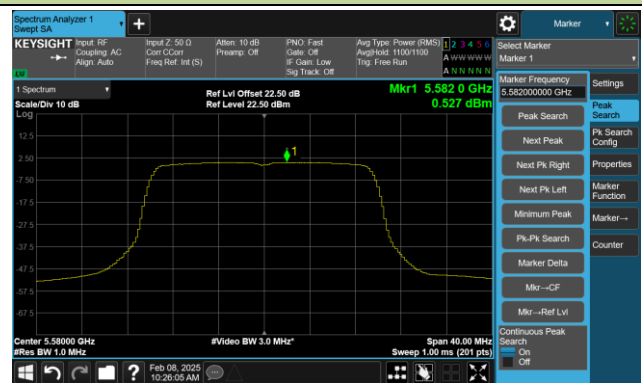
Channel 64 (5320MHz)



Channel 100 (5500MHz)

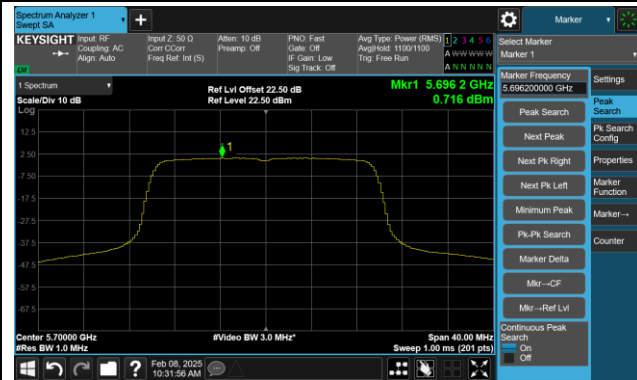


Channel 116 (5580MHz)

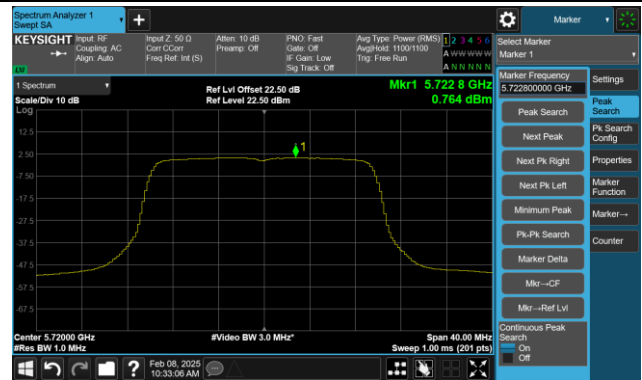


802.11ax-HE20 Power Spectral Density- Ant 1

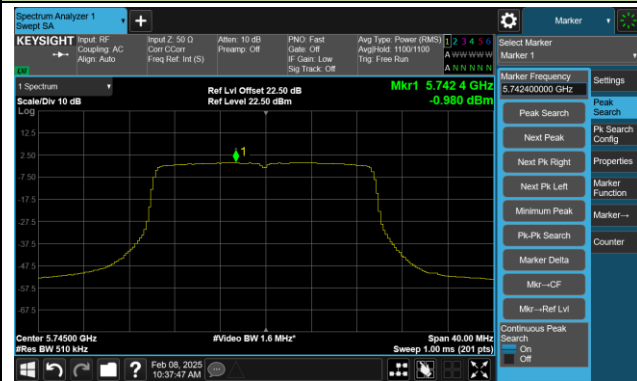
Channel 140 (5700MHz)



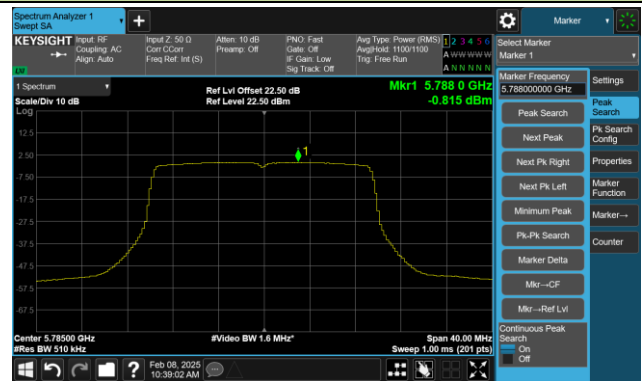
Channel 144(5720MHz)



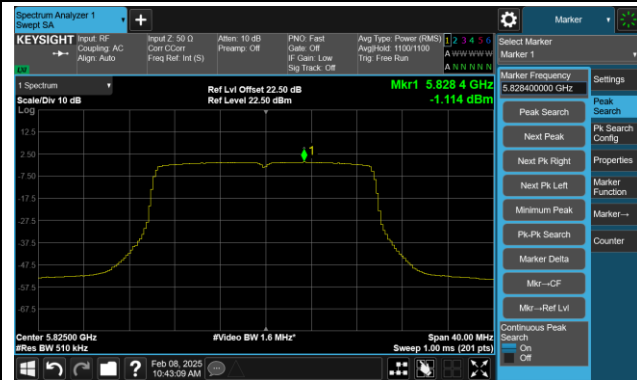
Channel 149 (5745MHz)



Channel 157 (5785MHz)

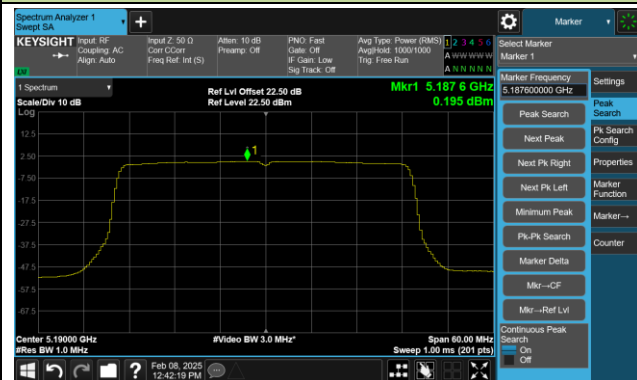


Channel 165 (5825MHz)

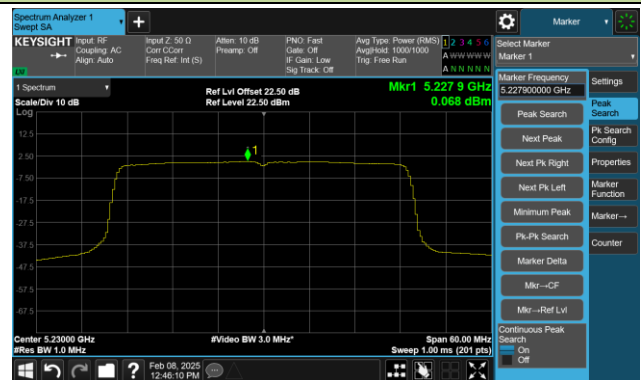


802.11ax-HE40 Power Spectral Density- Ant 1

Channel 38 (5190MHz)



Channel 46 (5230MHz)



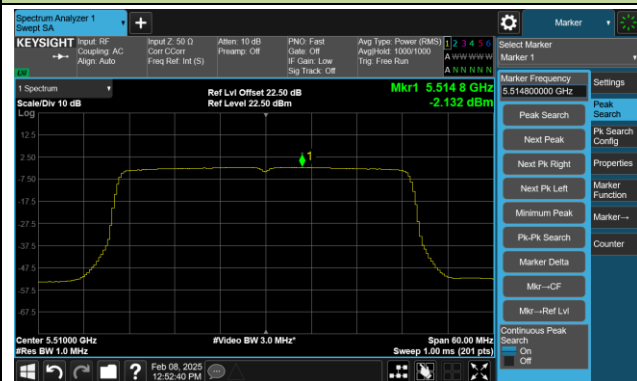
Channel 54 (5270MHz)



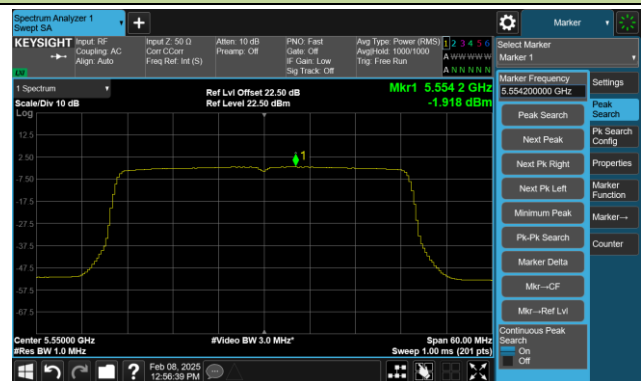
Channel 62 (5310MHz)



Channel 102 (5510MHz)



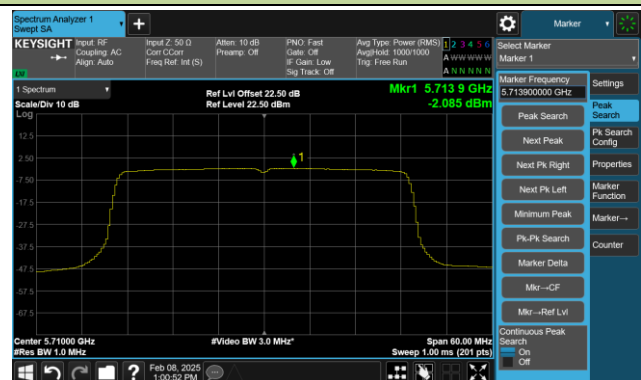
Channel 110 (5550MHz)



Channel 134 (5670MHz)

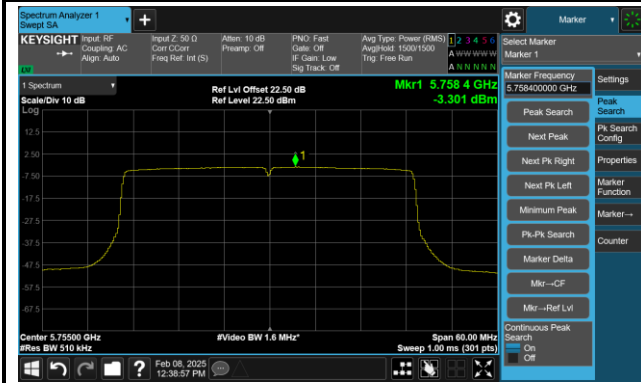


Channel 142(5710MHz)

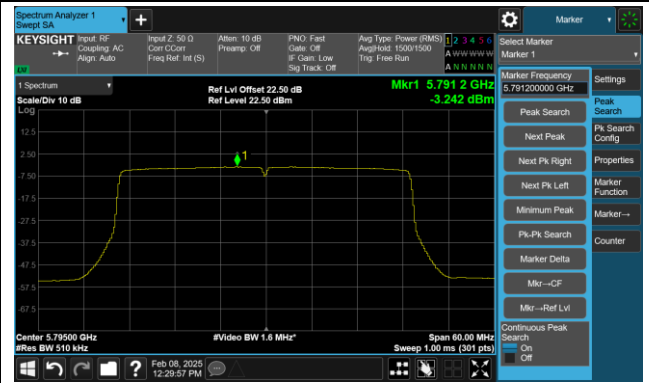


802.11ax-HE40 Power Spectral Density- Ant 1

Channel 151 (5755MHz)

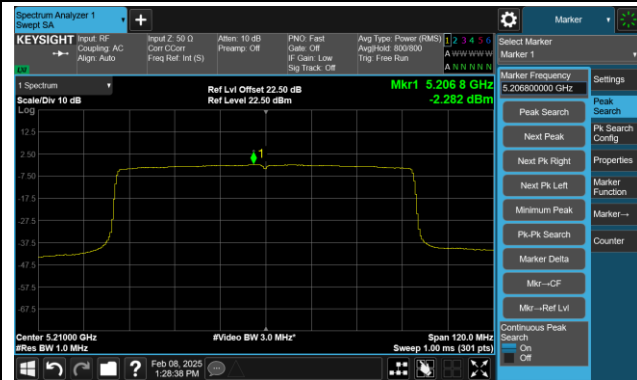


Channel 159 (5795MHz)

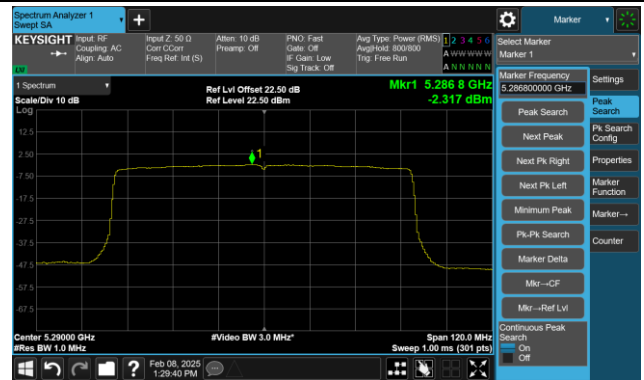


802.11ax-HE80 Power Spectral Density- Ant 1

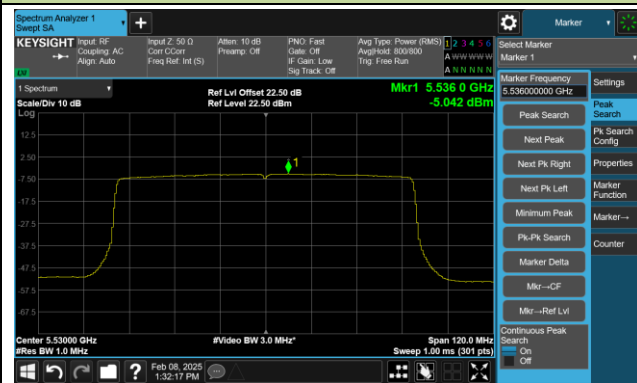
Channel 42 (5210MHz)



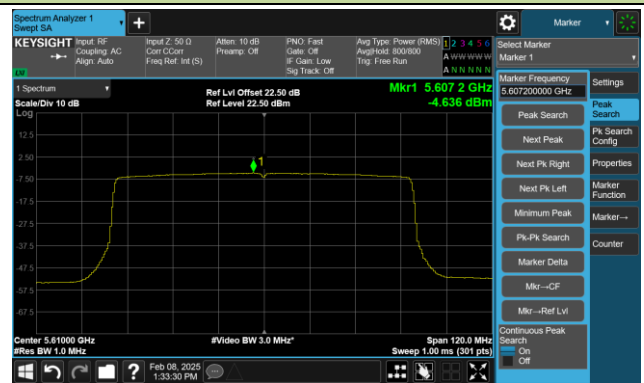
Channel 58 (5290MHz)



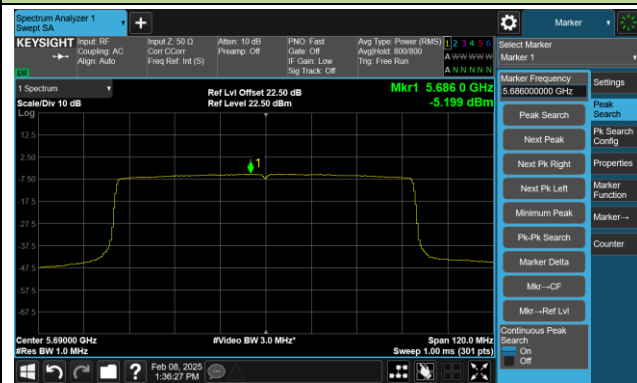
Channel 106 (5530MHz)



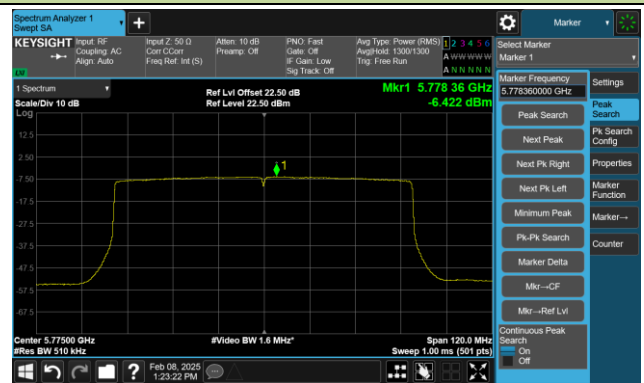
Channel 122 (5610MHz)



Channel 138 (5690MHz)

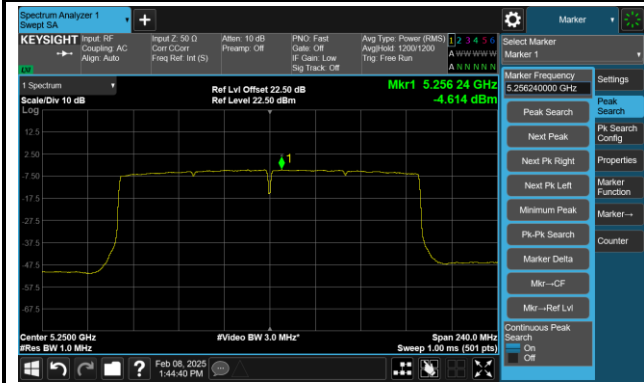


Channel 155 (5775MHz)

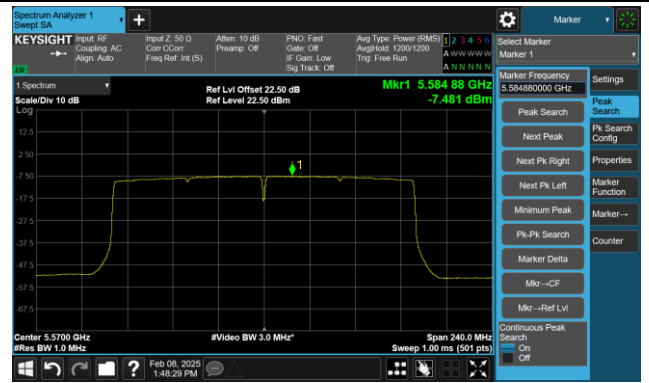


802.11ax-HE160 Power Spectral Density- Ant 1

Channel 50 (5250MHz)



Channel 114 (5570MHz)



Partial RU:

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-01-15 ~ 2025-02-09		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	RU index	AVPSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
					Ant 0	Ant 1			
11ax-HE20	MCS0	36	5180	RU26/0	2.717	3.108	99.58	5.927	≤ 10.57
				RU52/74	2.648	2.345	99.58	5.509	≤ 10.57
				RU106/106	2.701	2.769	99.58	5.745	≤ 10.57
11ax-HE20	MCS0	44	5220	RU26/4	2.237	2.743	99.58	5.508	≤ 10.57
				RU52/75	1.972	2.423	99.58	5.214	≤ 10.57
				RU106/106	2.393	2.810	99.58	5.617	≤ 10.57
11ax-HE20	MCS0	48	5240	RU26/8	1.879	2.642	99.58	5.288	≤ 10.57
				RU52/77	2.339	3.024	99.58	5.705	≤ 10.57
				RU106/107	1.961	2.893	99.58	5.462	≤ 10.57
11ax-HE20	MCS0	52	5260	RU26/0	2.042	2.362	99.58	5.215	≤ 10.61
				RU52/74	2.626	2.783	99.58	5.716	≤ 10.61
				RU106/106	2.029	2.776	99.58	5.429	≤ 10.61
11ax-HE20	MCS0	60	5300	RU26/4	2.069	3.575	99.58	5.897	≤ 10.61
				RU52/75	2.274	3.321	99.58	5.839	≤ 10.61
				RU106/106	2.167	3.277	99.58	5.768	≤ 10.61
11ax-HE20	MCS0	64	5320	RU26/8	1.963	3.274	99.58	5.678	≤ 10.61
				RU52/77	1.316	2.735	99.58	5.093	≤ 10.61
				RU106/107	2.136	3.529	99.58	5.898	≤ 10.61
11ax-HE20	MCS0	100	5500	RU26/0	-0.010	0.403	99.58	3.212	≤ 10.58
				RU52/74	-0.446	0.452	99.58	3.036	≤ 10.58
				RU106/106	0.157	0.419	99.58	3.300	≤ 10.58
11ax-HE20	MCS0	116	5580	RU26/4	-0.962	0.131	99.58	2.629	≤ 10.58
				RU52/75	-1.181	0.155	99.58	2.548	≤ 10.58
				RU106/106	-0.589	0.063	99.58	2.760	≤ 10.58
11ax-HE20	MCS0	140	5700	RU26/8	-2.362	-1.078	99.58	1.338	≤ 10.58
				RU52/77	-0.443	0.509	99.58	3.069	≤ 10.58
				RU106/107	-1.177	0.111	99.58	2.525	≤ 10.58

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	RU index	AVPSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
					Ant 0	Ant 1			
11ax-HE20	MCS0	144	5720	RU26/8	-1.995	-0.950	99.58	1.569	≤ 10.58
				RU52/77	-0.386	0.802	99.58	3.259	≤ 10.58
				RU106/107	-1.090	0.318	99.58	2.681	≤ 10.58
11ax-HE40	MCS0	38	5190	RU242/122	-0.987	-0.623	99.52	2.209	≤ 10.02
11ax-HE40	MCS0	46	5230	RU242/123	-1.046	-0.379	99.52	2.311	≤ 10.02
11ax-HE40	MCS0	54	5270	RU242/122	-0.922	-0.188	99.52	2.471	≤ 10.02
11ax-HE40	MCS0	62	5310	RU242/123	-1.166	0.167	99.52	2.562	≤ 10.02
11ax-HE40	MCS0	102	5510	RU242/122	-2.997	-2.848	99.52	0.088	≤ 9.45
11ax-HE40	MCS0	110	5550	RU242/122	-3.352	-2.277	99.52	0.229	≤ 9.45
11ax-HE40	MCS0	134	5670	RU242/123	-3.257	-2.342	99.52	0.235	≤ 9.45
11ax-HE40	MCS0	142	5710	RU242/123	-3.149	-2.473	99.52	0.212	≤ 9.45
11ax-HE80	MCS0	42	5210	RU484/130	-3.439	-2.680	99.11	-0.033	≤ 10.02
11ax-HE80	MCS0	58	5290	RU484/131	-3.382	-2.460	99.11	0.114	≤ 10.02
11ax-HE80	MCS0	106	5530	RU484/130	-6.052	-5.384	99.11	-2.695	≤ 9.45
11ax-HE80	MCS0	122	5610	RU484/131	-6.154	-5.190	99.11	-2.635	≤ 9.45
11ax-HE80	MCS0	138	5690	RU484/131	-6.063	-5.527	99.11	-2.776	≤ 9.45
11ax-HE160	MCS0	50	5250	RU996/134	-5.862	-4.880	99.14	-2.333	≤ 10.57
11ax-HE160	MCS0	114	5570	RU996/135	-8.823	-8.304	99.14	-5.545	≤ 29.58

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$.

Note 2:

For 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = 11 - (6.43 - 6) = 10.57dBm/MHz

PSD Limit (dBm/MHz) = 11 - (6.98 - 6) = 10.02dBm/MHz

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (6.39 - 6) = 10.61dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (6.42 - 6) = 10.58dBm/MHz.

PSD Limit (dBm/MHz) = 11 - (7.55 - 6) = 9.45dBm/MHz

Test Site	SIP-TR1	Test Engineer	Luis Yang
Test Date	2025-01-15 ~ 2025-02-09		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	RU index	AVPSD (dBm/ 510kHz)		Duty Cycle (%)	Total PSD (dBm/ 510kHz)	PSD Limit (dBm/ 500kHz)
					Ant 0	Ant 1			
11ax-HE20	MCS0	149	5745	RU26/0	-2.605	-1.295	99.58	1.110	≤ 29.45
				RU52/74	-2.978	-1.537	99.58	0.812	≤ 29.45
				RU106/106	-2.689	-1.709	99.58	0.839	≤ 29.45
11ax-HE20	MCS0	157	5785	RU26/4	-2.403	-1.221	99.58	1.238	≤ 29.45
				RU52/75	-2.535	-0.988	99.58	1.317	≤ 29.45
				RU106/106	-2.365	-1.515	99.58	1.091	≤ 29.45
11ax-HE20	MCS0	165	5825	RU26/8	-2.109	-2.081	99.58	0.915	≤ 29.45
				RU52/77	-2.616	-1.569	99.58	0.949	≤ 29.45
				RU106/107	-1.881	-1.835	99.58	1.152	≤ 29.45
11ax-HE40	MCS0	151	5755	RU242/122	-5.393	-3.678	99.52	-1.441	≤ 28.78
11ax-HE40	MCS0	159	5795	RU242/123	-4.726	-4.124	99.52	-1.404	≤ 28.78
11ax-HE80	MCS0	155	5775	RU996/134	-7.904	-7.049	99.14	-4.445	≤ 28.78

Note 1:

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

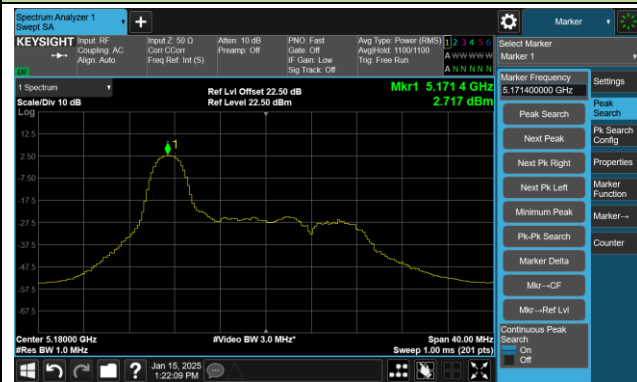
When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$.

Note 2: PSD Limit (dBm/500kHz) = 30 - (6.55 - 6) = 29.45dBm/500kHz.

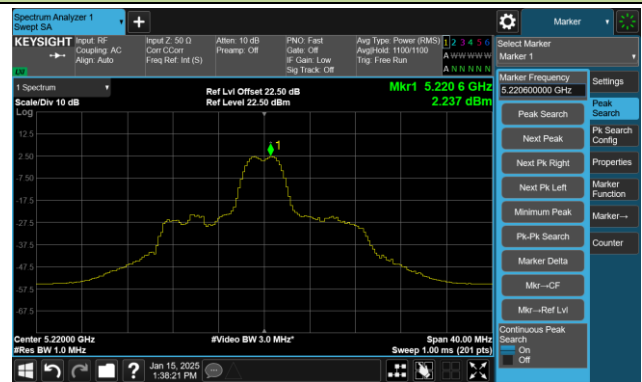
PSD Limit (dBm/500kHz) = 30 - (7.22 - 6) = 28.78dBm/500kHz.

802.11ax-HE20 Power Spectral Density – RU26 - Ant 0

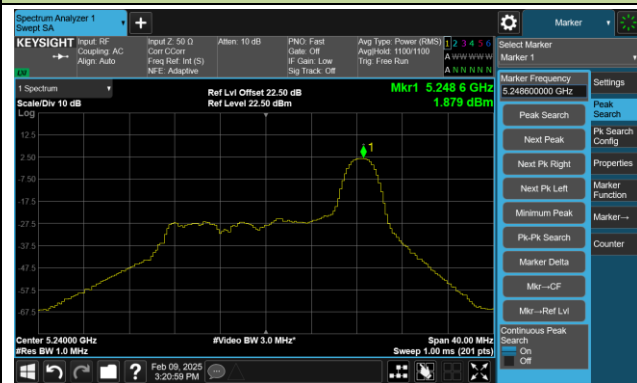
Channel 36 (5180MHz)



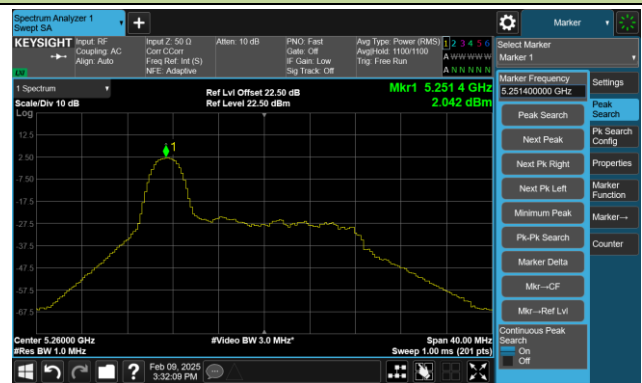
Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



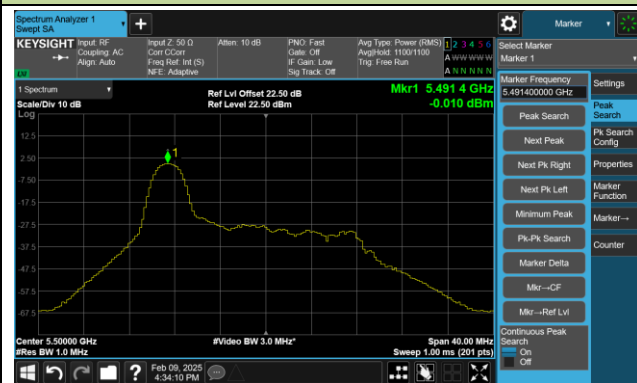
Channel 60 (5300MHz)



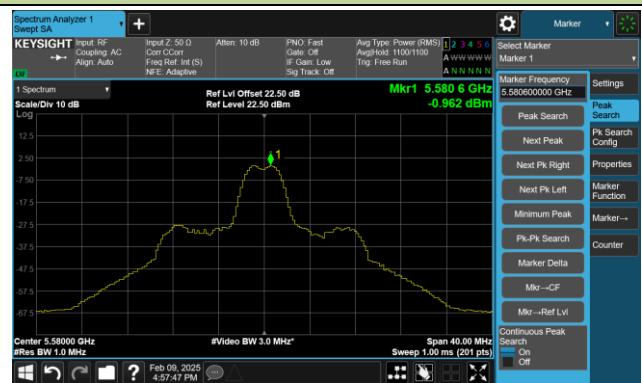
Channel 64 (5320MHz)



Channel 100 (5500MHz)

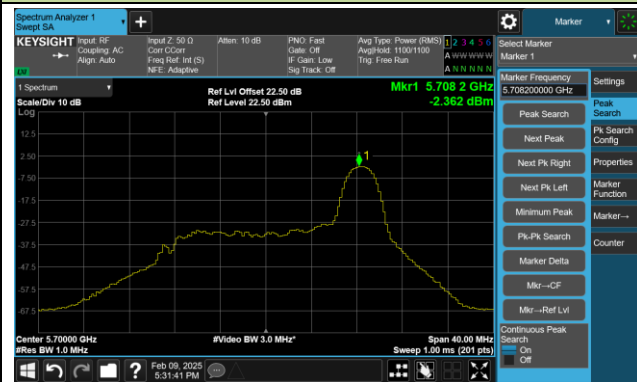


Channel 116 (5580MHz)

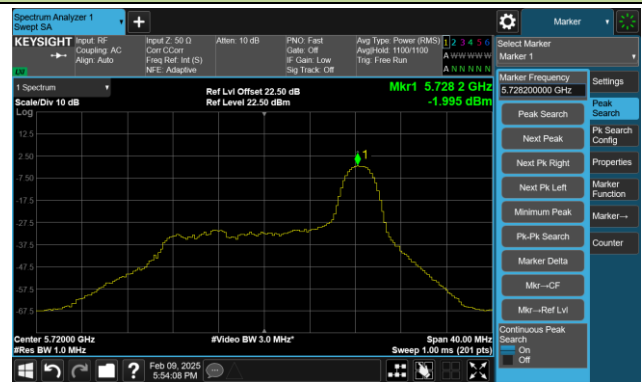


802.11ax-HE20 Power Spectral Density – RU26 - Ant 0

Channel 140 (5700MHz)



Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

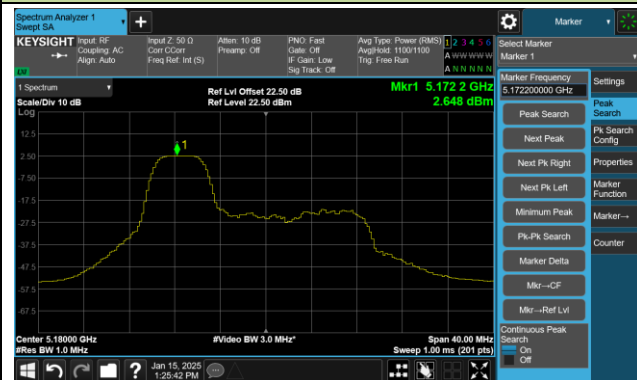


Channel 165 (5825MHz)



802.11ax-HE20 Power Spectral Density – RU52 - Ant 0

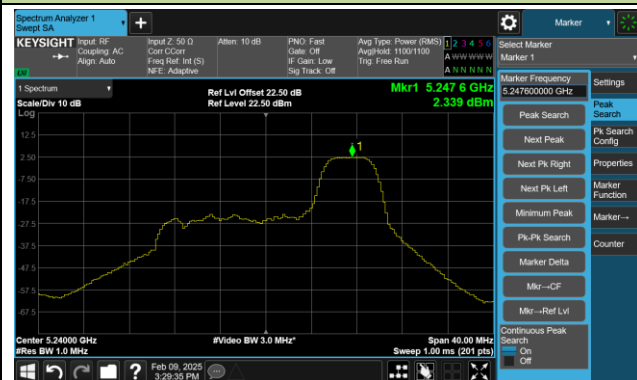
Channel 36 (5180MHz)



Channel 44 (5220MHz)



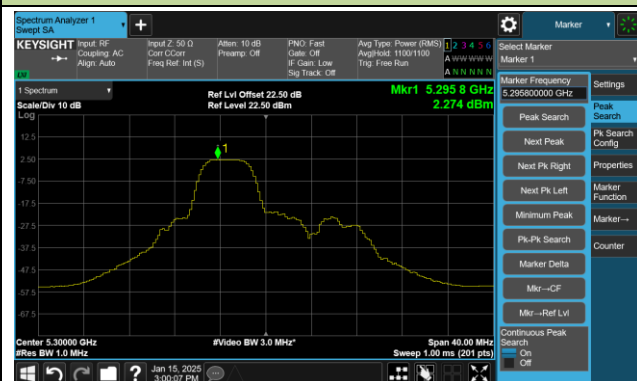
Channel 48 (5240MHz)



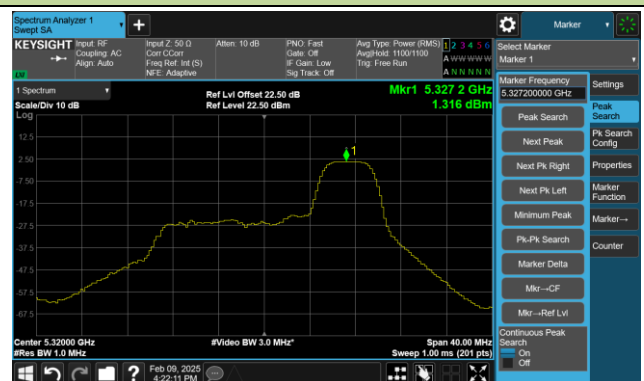
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

