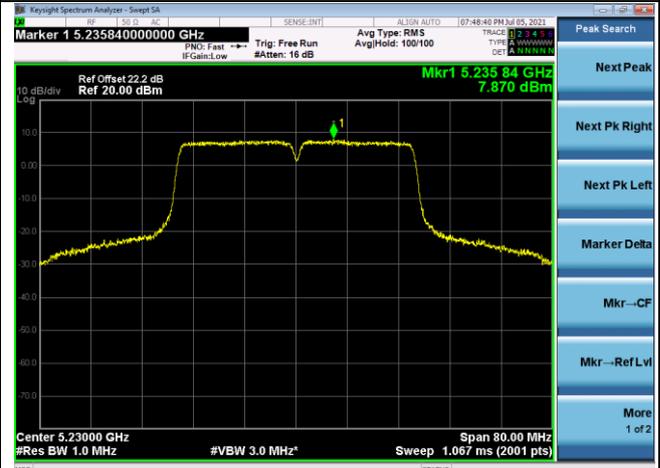


## 802.11ac-VHT40Power Spectral Density – Ant 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)

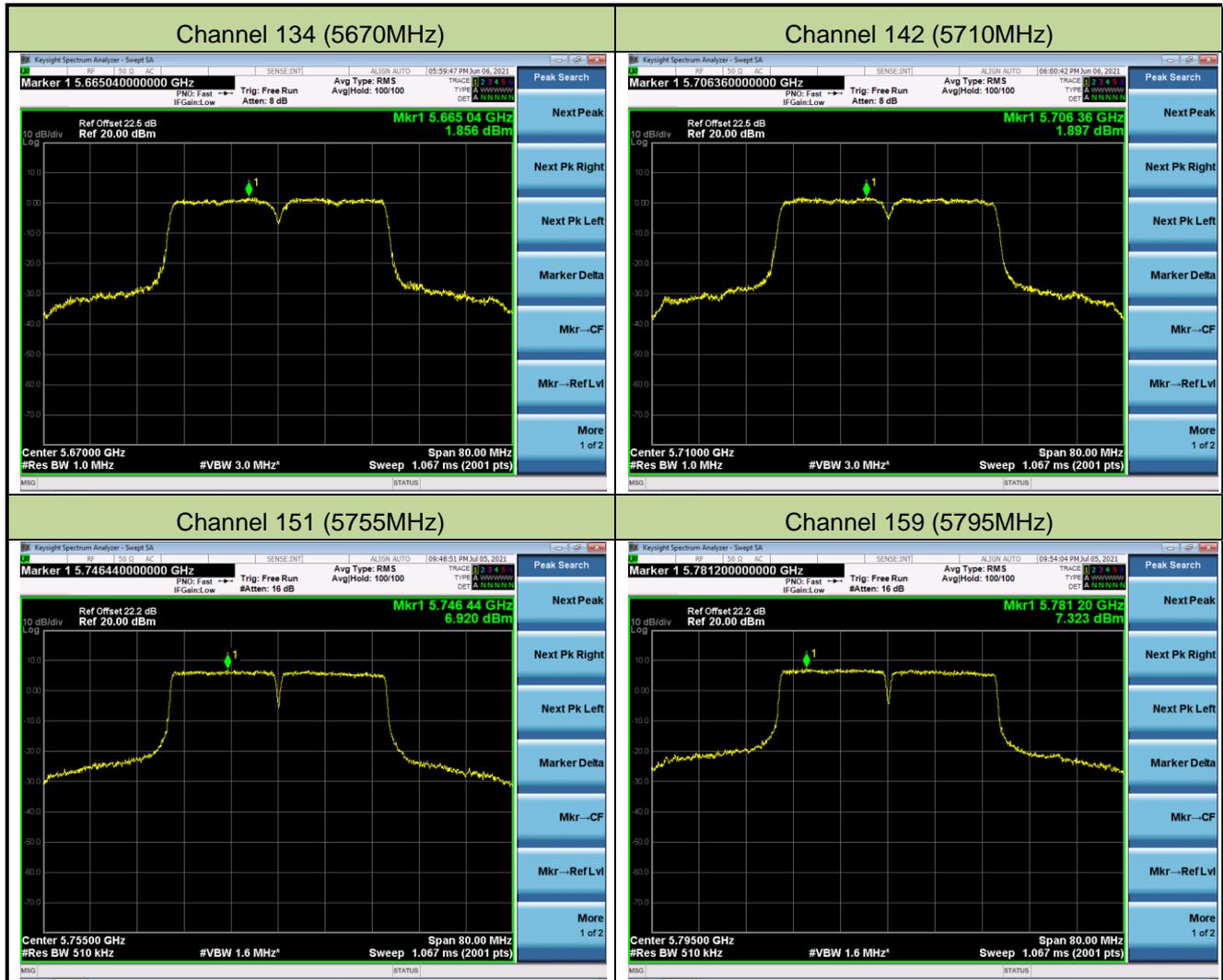


Channel 102 (5510MHz)



Channel 110 (5550MHz)



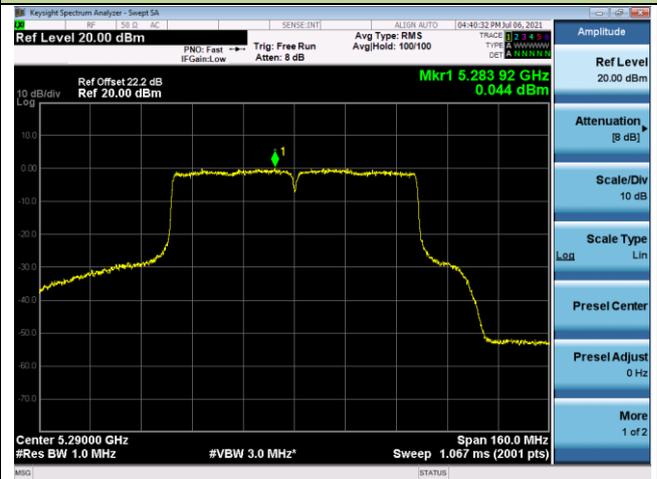


### 802.11ac-VHT80 Power Spectral Density – Ant 3

Channel 42 (5210MHz)



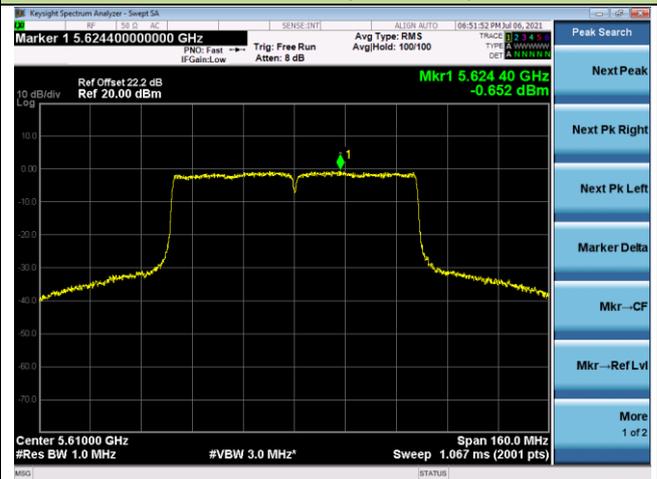
Channel 58 (5290MHz)



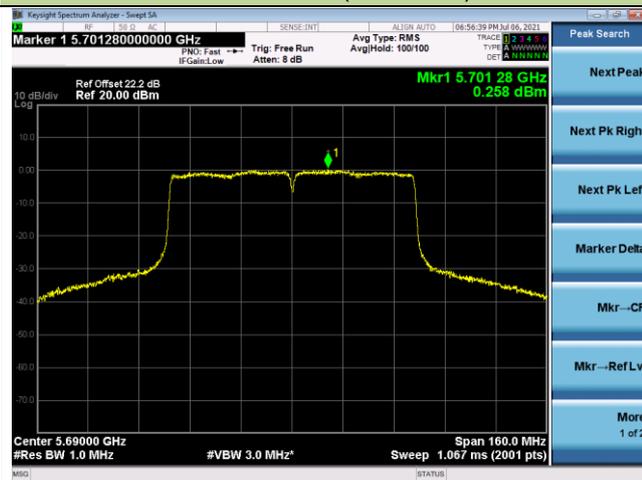
Channel 106 (5530MHz)



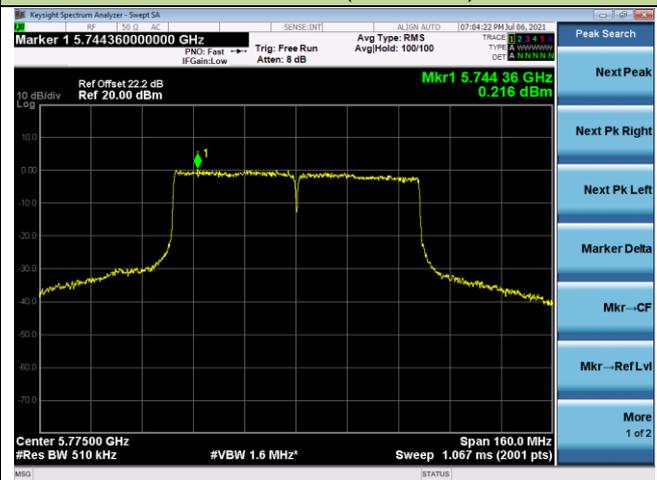
Channel 122 (5610MHz)



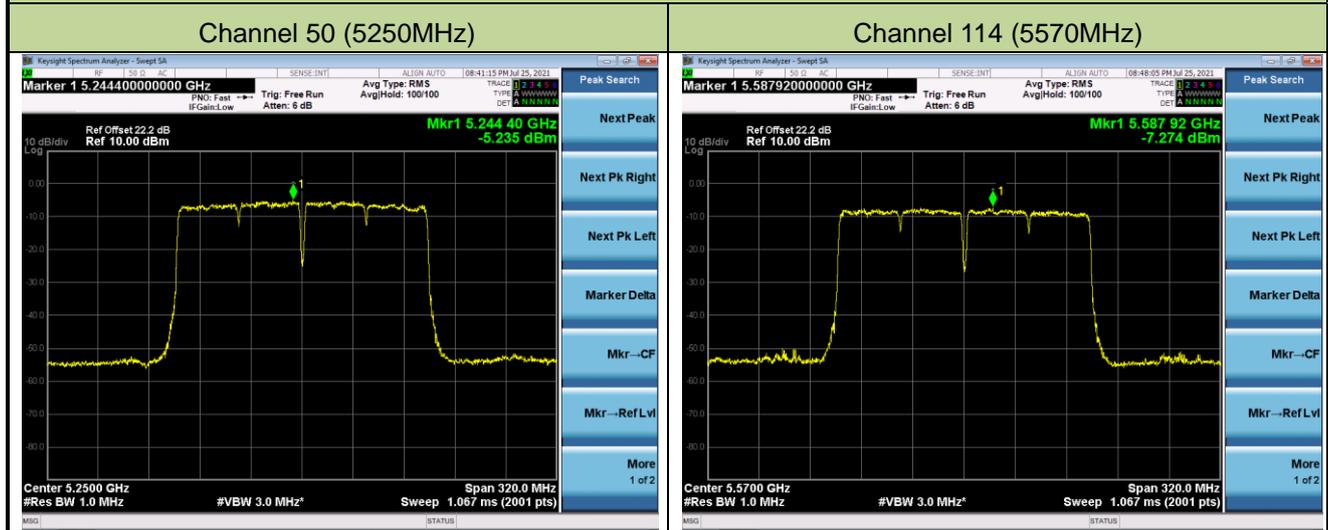
Channel 155 (5690MHz)



Channel 155 (5775MHz)



802.11ac-VHT160 Power Spectral Density – Ant 3

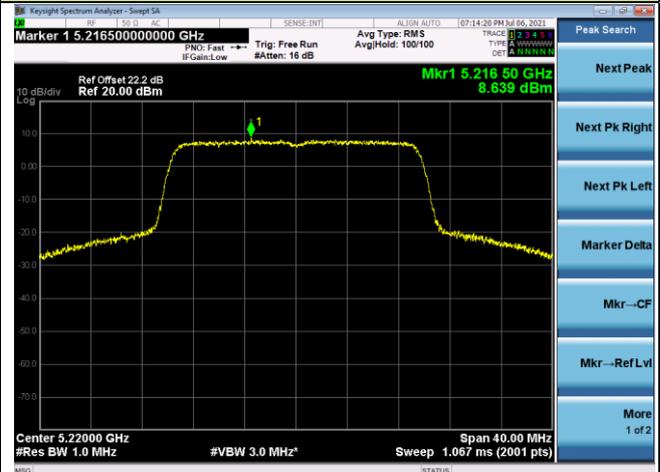


## 802.11ax-HE20 Power Spectral Density – Ant3

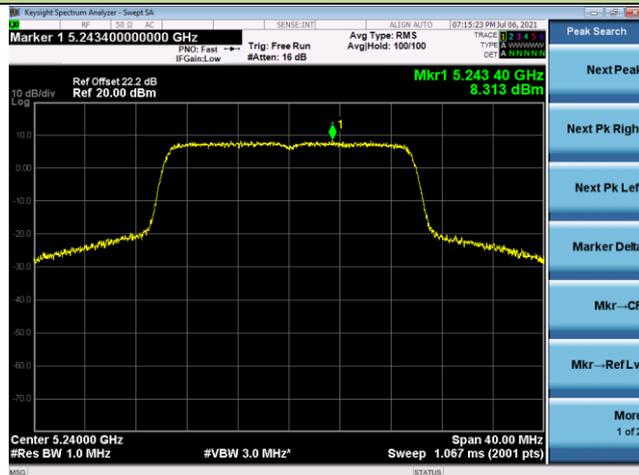
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



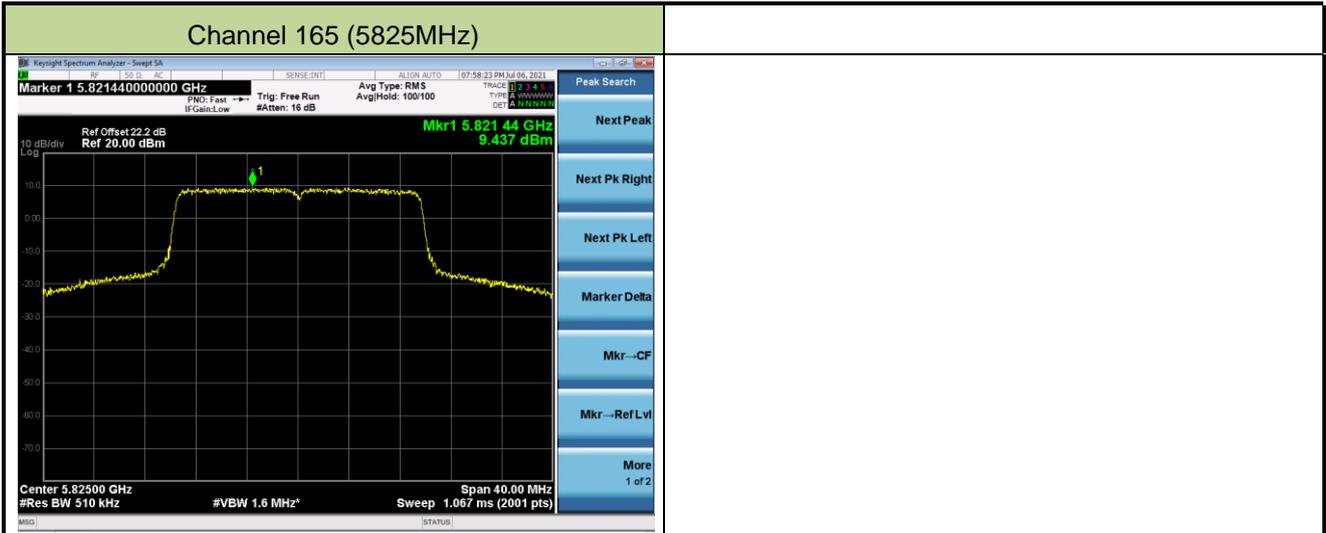
Channel 60 (5300MHz)



Channel 64 (5320MHz)

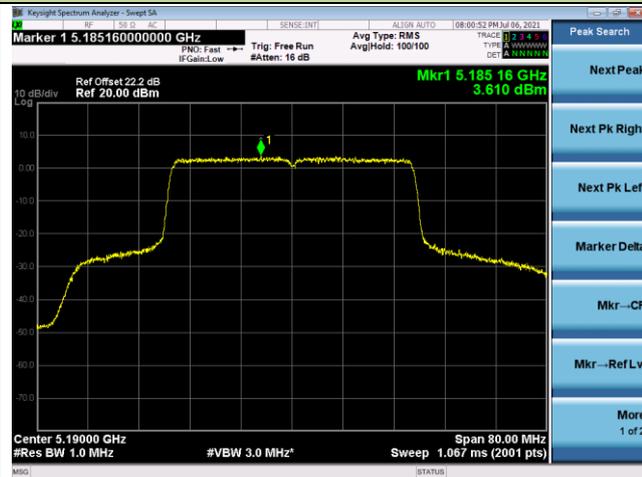




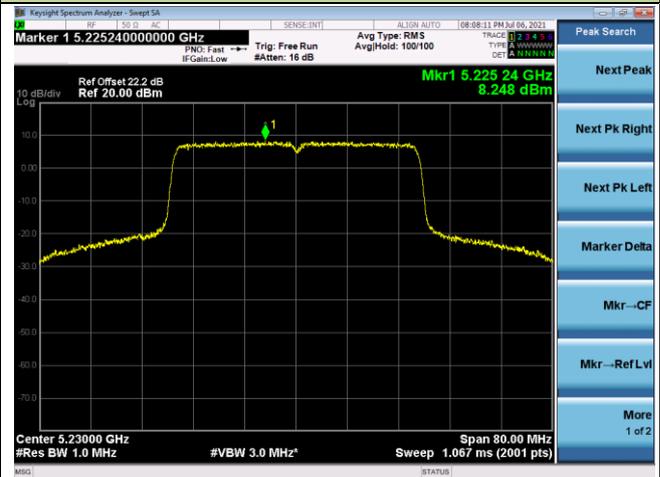


802.11ax-HE40 Power Spectral Density – Ant 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)

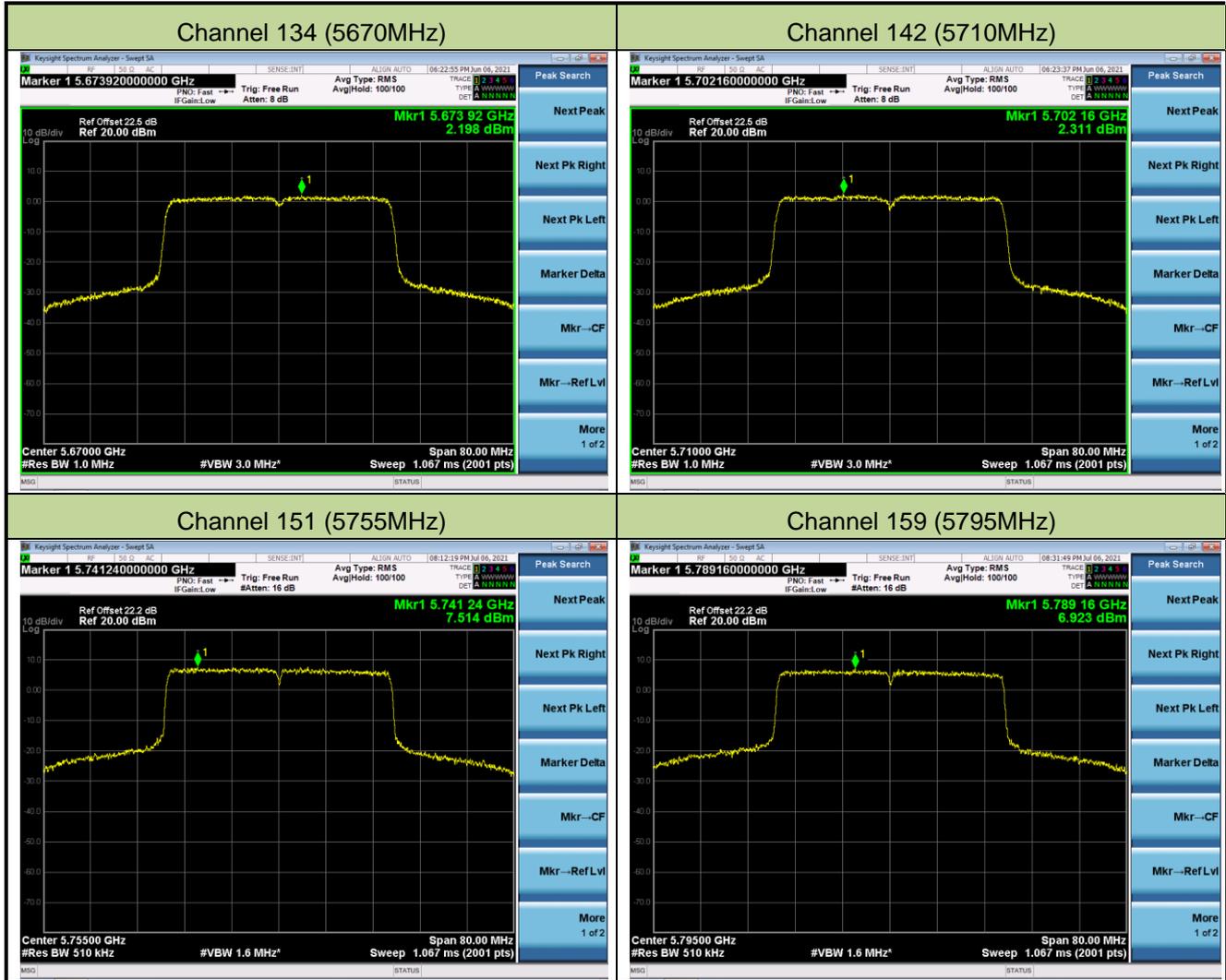


Channel 102 (5510MHz)



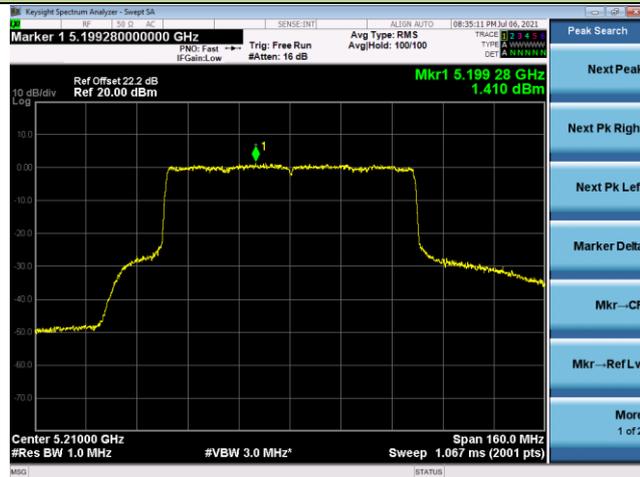
Channel 110 (5550MHz)



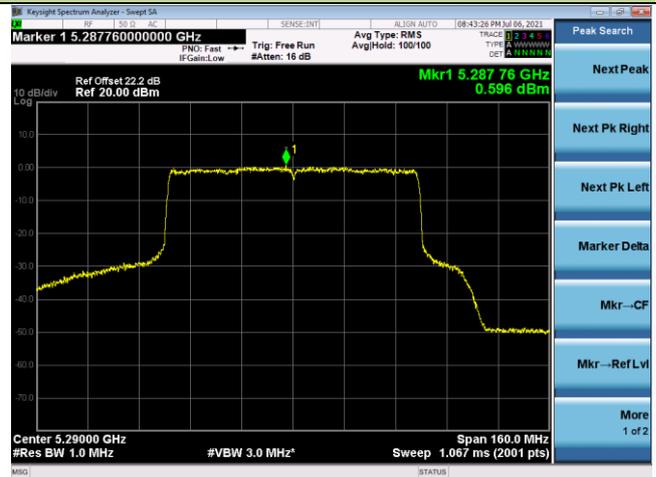


## 802.11ax-HE80 Power Spectral Density – Ant 3

Channel 42 (5210MHz)



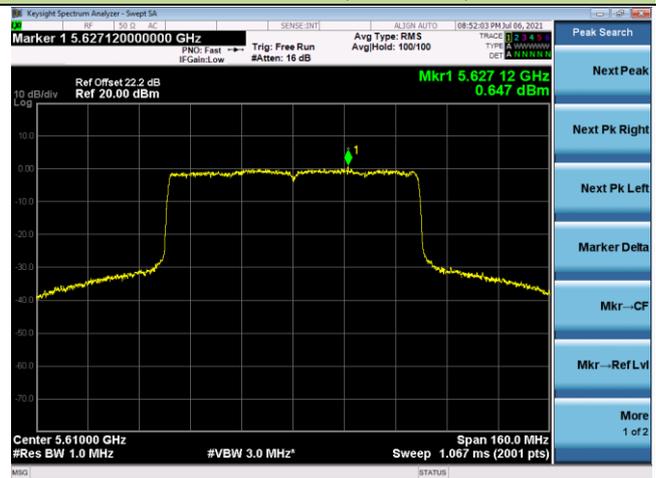
Channel 58 (5290MHz)



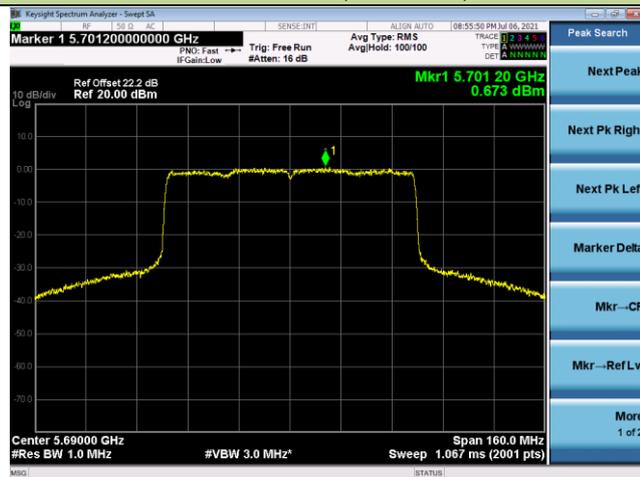
Channel 106 (5530MHz)



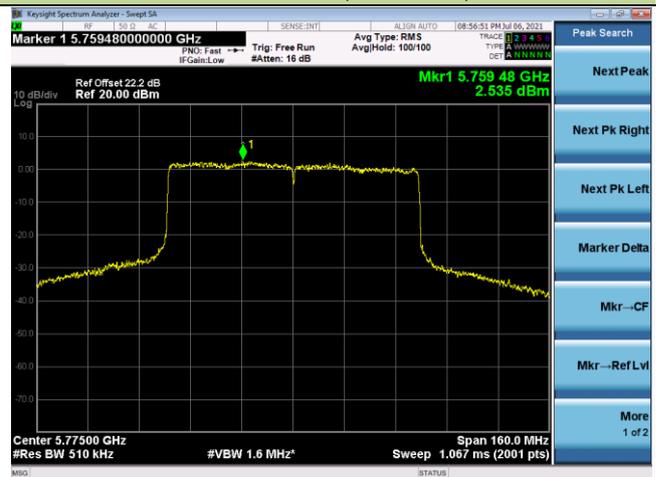
Channel 122 (5610MHz)



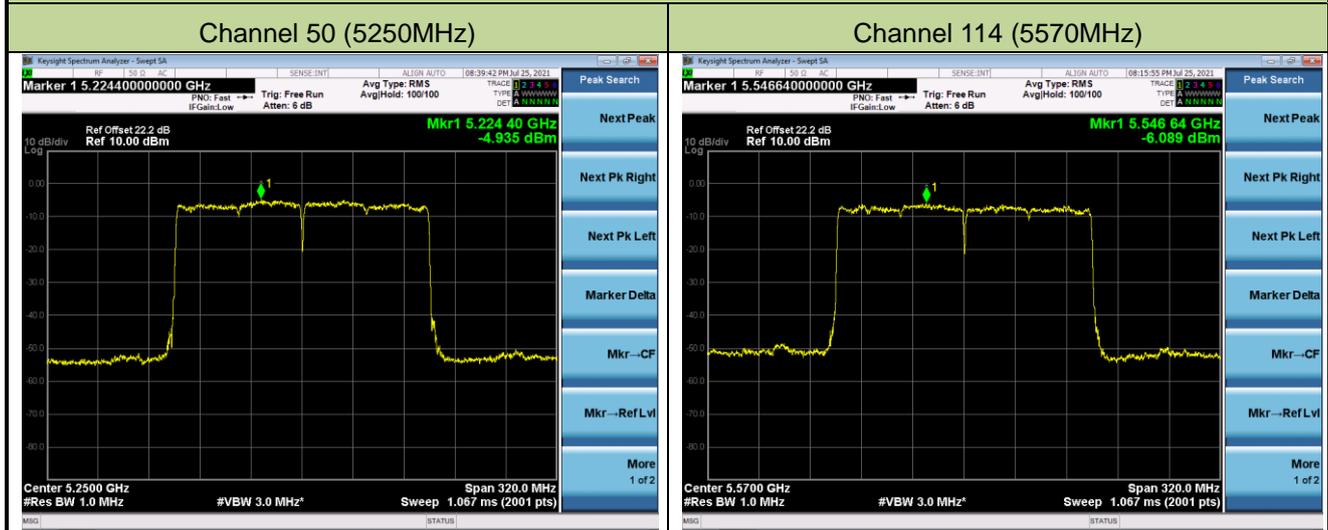
Channel 138 (5690MHz)



Channel 155 (5775MHz)



802.11ax-HE160 Power Spectral Density – Ant 3



Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2021/07/09~2021/07/22		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c) (Nss = 2)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/ MHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11ac-VHT20	MCS0	52	5260	3.63	4.17	4.12	4.16	84.39	10.78	11.00
11ac-VHT20	MCS0	60	5300	3.61	4.13	3.96	4.07	84.39	10.70	11.00
11ac-VHT20	MCS0	64	5320	3.47	4.30	4.02	4.00	84.39	10.72	11.00
11ac-VHT20	MCS0	100	5500	3.45	4.19	4.04	4.24	84.39	10.75	11.00
11ac-VHT20	MCS0	116	5580	3.41	4.08	4.22	3.99	84.39	10.69	11.00
11ac-VHT20	MCS0	140	5700	3.47	4.21	4.17	4.29	84.39	10.80	11.00
11ac-VHT20	MCS0	144	5720	3.38	4.08	3.97	4.21	84.39	10.68	11.00
11ac-VHT40	MCS0	54	5270	1.94	3.17	2.82	2.57	82.12	9.53	11.00
11ac-VHT40	MCS0	62	5310	2.92	3.72	3.46	3.70	82.12	10.34	11.00
11ac-VHT40	MCS0	102	5510	3.17	3.48	3.29	3.75	82.12	10.30	11.00
11ac-VHT40	MCS0	110	5550	3.39	3.81	3.44	3.78	82.12	10.48	11.00
11ac-VHT40	MCS0	134	5670	3.34	3.76	3.43	3.49	82.12	10.38	11.00
11ac-VHT40	MCS0	142	5710	3.29	3.60	3.51	3.54	82.12	10.36	11.00
11ac-VHT80	MCS0	58	5290	-0.76	-0.40	-0.17	-0.20	80.93	6.56	11.00
11ac-VHT80	MCS0	106	5530	-1.01	-0.98	-1.41	-0.62	80.93	5.94	11.00
11ac-VHT80	MCS0	122	5610	0.14	-0.58	-1.17	-1.15	80.93	6.28	11.00
11ac-VHT80	MCS0	138	5690	0.17	0.79	0.44	0.59	80.93	7.44	11.00
11ac-VHT160	MCS0	50	5250	-4.43	-4.01	-3.54	-3.27	89.95	2.69	11.00
11ac-VHT160	MCS0	114	5570	-5.32	-4.54	-5.18	-5.36	89.95	1.39	11.00
11ax-HE20	MCS0	52	5260	3.77	4.41	4.53	4.39	91.62	10.69	11.00
11ax-HE20	MCS0	60	5300	3.97	4.44	4.32	4.26	91.62	10.65	11.00
11ax-HE20	MCS0	64	5320	3.84	4.56	4.31	4.66	91.62	10.76	11.00
11ax-HE20	MCS0	100	5500	4.12	4.28	4.39	4.76	91.62	10.79	11.00
11ax-HE20	MCS0	116	5580	3.83	4.57	4.58	4.62	91.62	10.81	11.00
11ax-HE20	MCS0	140	5700	3.70	4.74	4.45	4.71	91.62	10.82	11.00
11ax-HE20	MCS0	144	5720	3.64	4.60	4.26	4.61	91.62	10.70	11.00

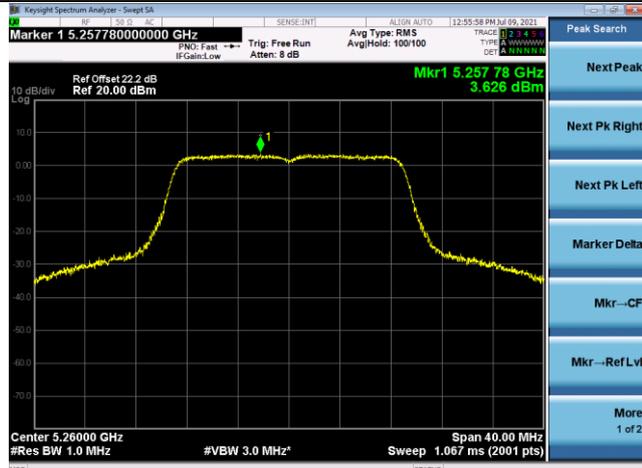
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/ MHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11ax-HE40	MCS0	54	5270	2.63	3.30	3.36	3.42	91.66	9.59	11.00
11ax-HE40	MCS0	62	5310	2.81	3.69	3.21	3.27	91.66	9.65	11.00
11ax-HE40	MCS0	102	5510	2.75	3.28	3.30	3.57	91.66	9.63	11.00
11ax-HE40	MCS0	110	5550	2.89	3.45	3.24	3.62	91.66	9.71	11.00
11ax-HE40	MCS0	134	5670	2.67	3.53	3.61	3.97	91.66	9.87	11.00
11ax-HE40	MCS0	142	5710	2.39	3.62	3.48	3.48	91.66	9.67	11.00
11ax-HE80	MCS0	58	5290	-0.63	-0.10	-0.07	0.03	91.24	6.23	11.00
11ax-HE80	MCS0	106	5530	0.27	0.46	0.49	0.86	91.24	6.94	11.00
11ax-HE80	MCS0	122	5610	1.12	0.54	0.21	0.10	91.24	6.93	11.00
11ax-HE80	MCS0	138	5690	0.31	0.36	0.39	0.68	91.24	6.86	11.00
11ax-HE160	MCS0	50	5250	-2.73	-1.89	-2.10	-2.37	89.11	4.26	11.00
11ax-HE160	MCS0	114	5570	-4.11	-3.67	-3.87	-4.25	89.11	2.55	11.00

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$ .

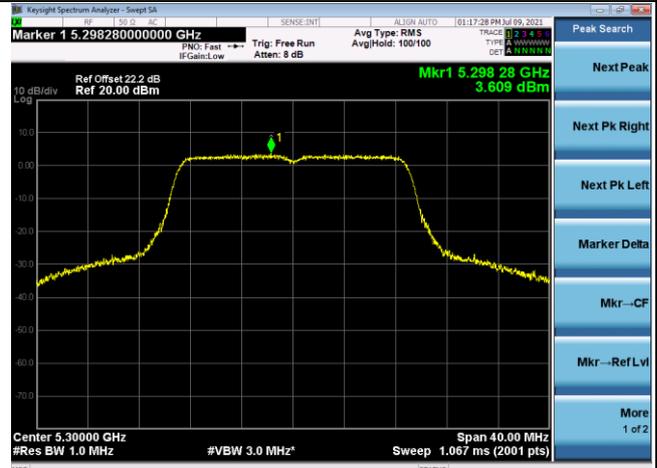
When EUT duty cycle  $\geq$  98%, the total PSD (dBm/MHz) =  $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)}\}$ .

## 802.11ac-VHT20Power Spectral Density – Ant 0

Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)



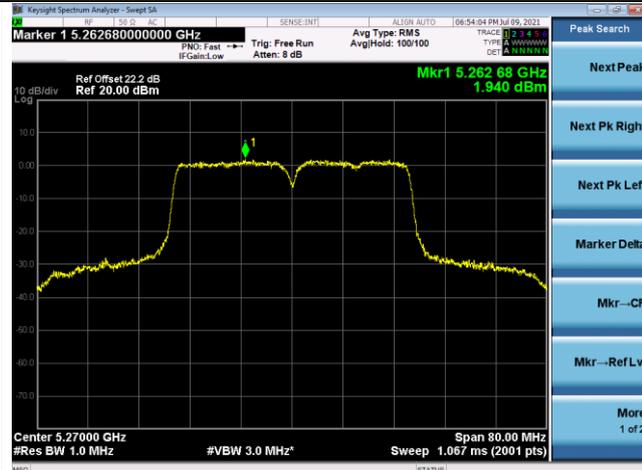
Channel 140 (5700MHz)



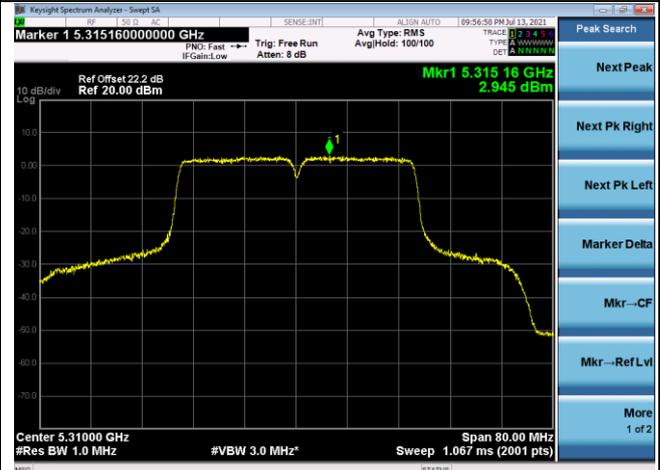


## 802.11ac-VHT40Power Spectral Density – Ant 0

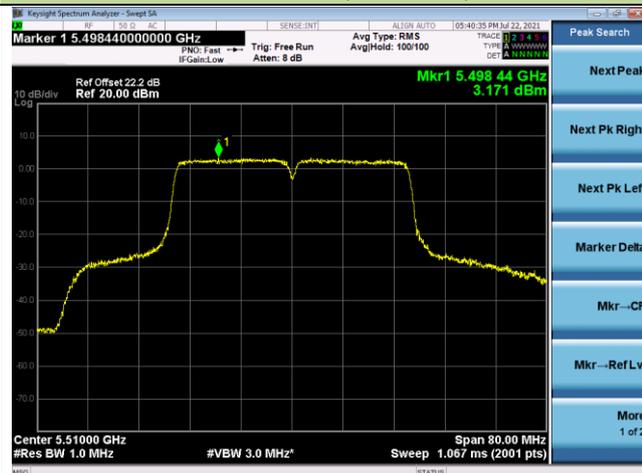
Channel 54 (5270MHz)



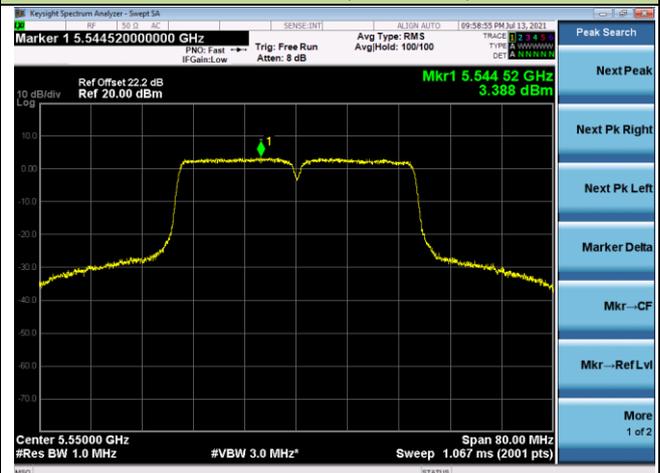
Channel 62 (5310MHz)



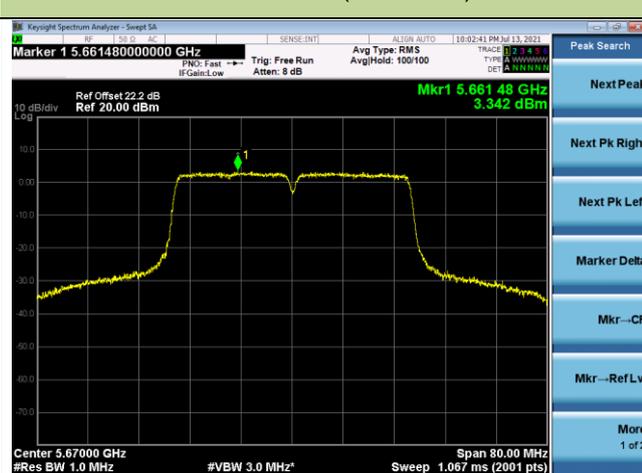
Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

