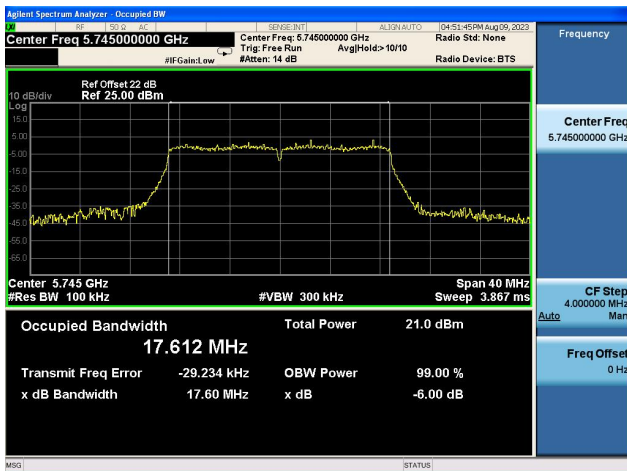
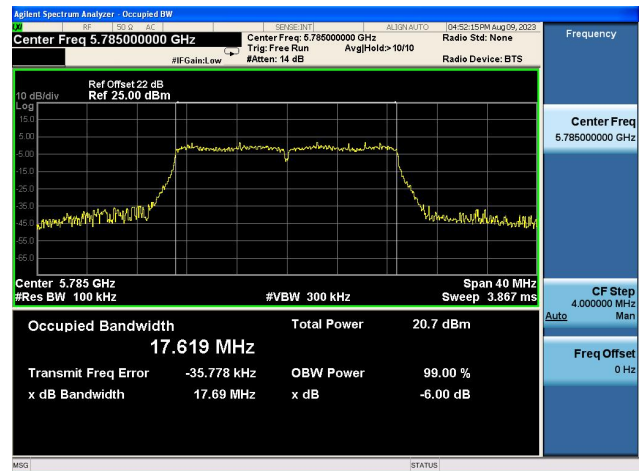


## 802.11n-HT20 6dB Bandwidth

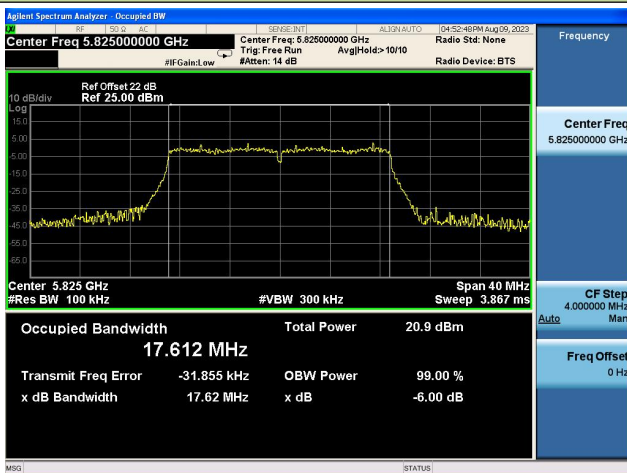
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

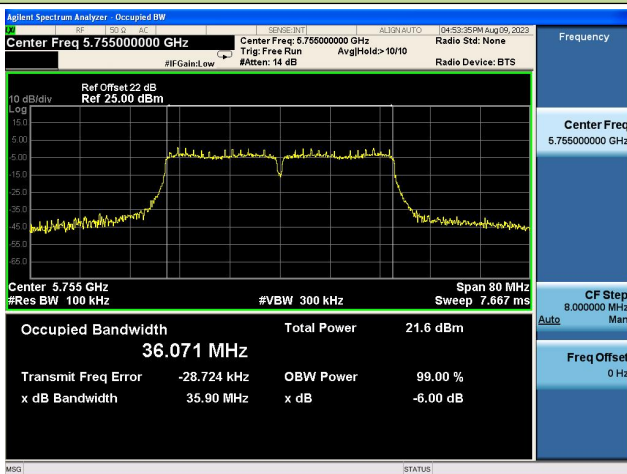


## Channel 165 (5825MHz)

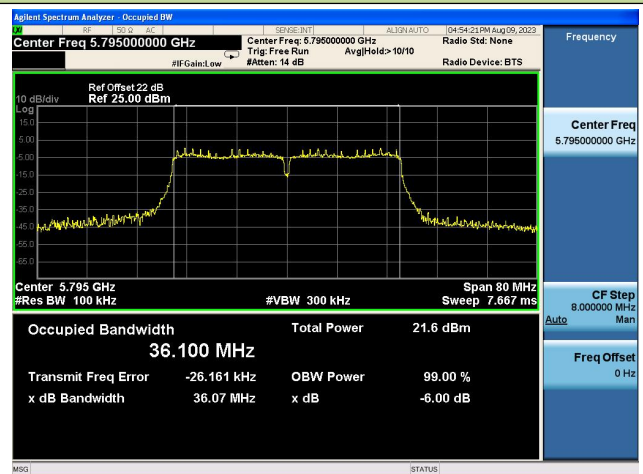


## 802.11n-HT40 6dB Bandwidth

## Channel 151 (5755MHz)

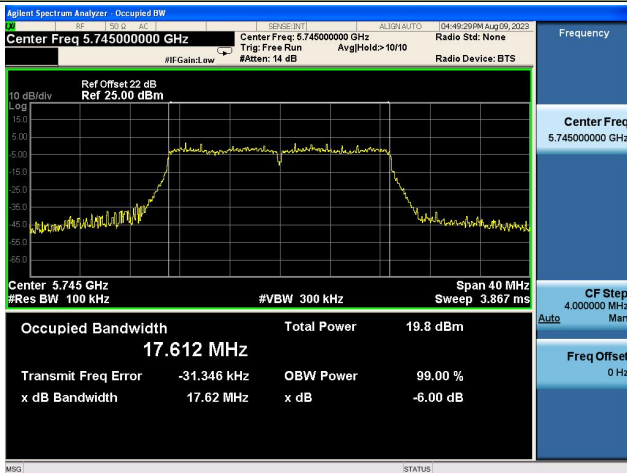


## Channel 159 (5795MHz)

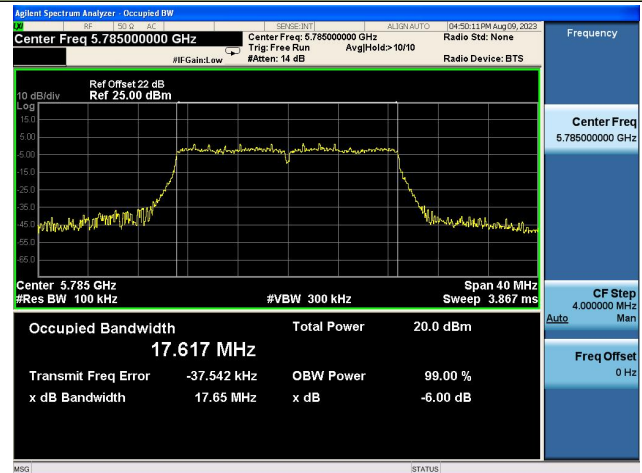


## 802.11ac-VHT20 6dB Bandwidth

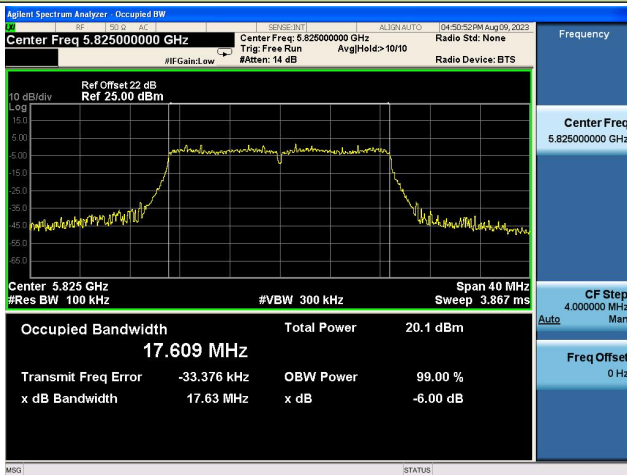
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

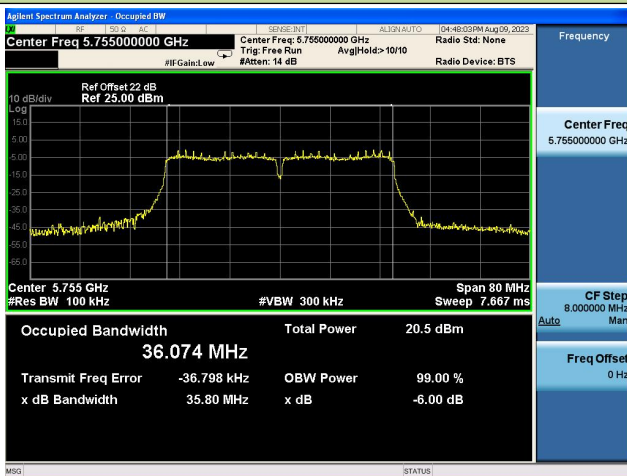


## Channel 165 (5825MHz)

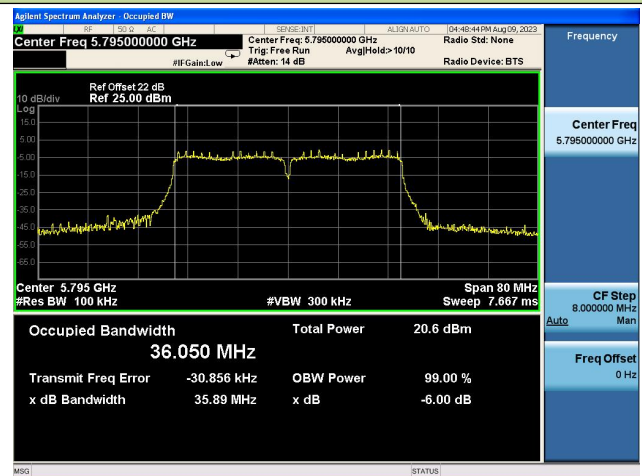


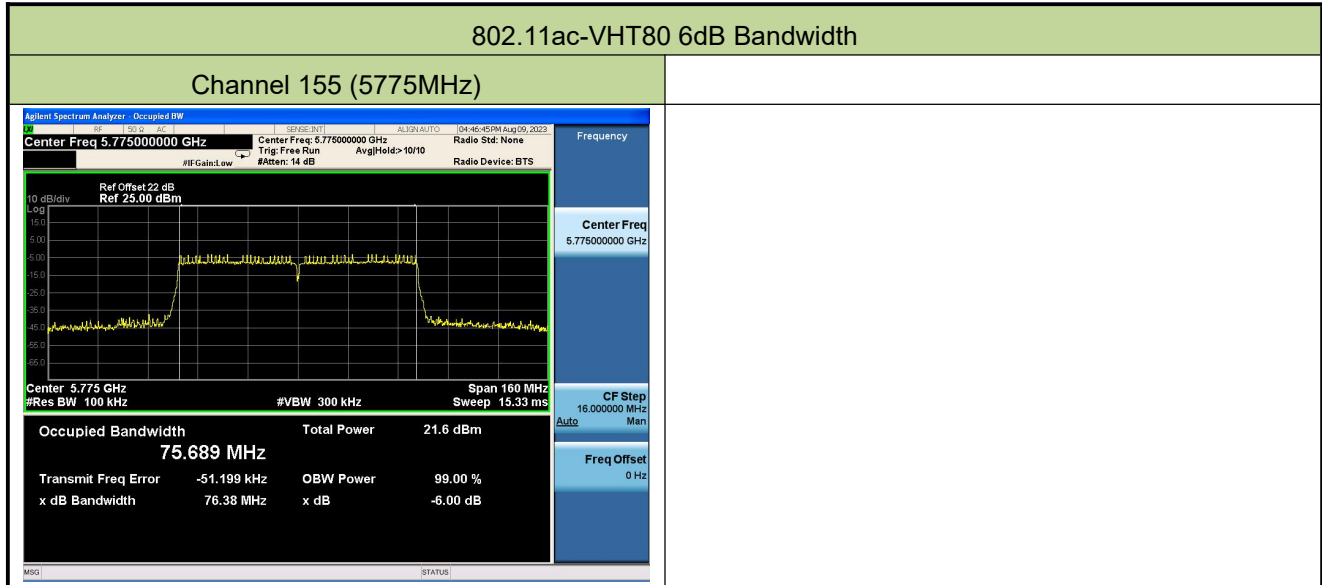
## 802.11ac-VHT40 6dB Bandwidth

## Channel 151 (5755MHz)



## Channel 159 (5795MHz)





**A.4 Output Power Test Result**

Test Site	NS-TR2	Test Engineer	Summer Tang
Test Date	2023-08-05~2023-08-09		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)
11a	6Mbps	36	5180	15.08	≤ 23.98
11a	6Mbps	44	5220	15.10	≤ 23.98
11a	6Mbps	48	5240	15.06	≤ 23.98
11a	6Mbps	52	5260	14.94	≤ 23.97
11a	6Mbps	60	5300	14.90	≤ 23.93
11a	6Mbps	64	5320	14.97	≤ 23.96
11a	6Mbps	100	5500	15.30	≤ 23.98
11a	6Mbps	116	5580	15.08	≤ 23.98
11a	6Mbps	120	5600	14.76	≤ 23.93
11a	6Mbps	132	5660	14.75	≤ 23.97
11a	6Mbps	140	5700	14.90	≤ 23.93
11a	6Mbps	149	5745	14.77	≤ 30.00
11a	6Mbps	157	5785	14.81	≤ 30.00
11a	6Mbps	165	5825	14.75	≤ 30.00
11n-HT20	MCS0	36	5180	14.26	≤ 23.98
11n-HT20	MCS0	44	5220	14.27	≤ 23.98
11n-HT20	MCS0	48	5240	14.23	≤ 23.98
11n-HT20	MCS0	52	5260	14.12	≤ 23.98
11n-HT20	MCS0	60	5300	14.05	≤ 23.98
11n-HT20	MCS0	64	5320	14.13	≤ 23.98
11n-HT20	MCS0	100	5500	13.51	≤ 23.98
11n-HT20	MCS0	116	5580	14.29	≤ 23.98
11n-HT20	MCS0	120	5600	13.95	≤ 23.98
11n-HT20	MCS0	132	5660	13.92	≤ 23.98
11n-HT20	MCS0	140	5700	14.12	≤ 23.98
11n-HT20	MCS0	149	5745	13.94	≤ 30.00
11n-HT20	MCS0	157	5785	14.02	≤ 30.00
11n-HT20	MCS0	165	5825	13.95	≤ 30.00
11n-HT40	MCS0	38	5190	14.17	≤ 23.98
11n-HT40	MCS0	46	5230	14.12	≤ 23.98
11n-HT40	MCS0	54	5270	13.99	≤ 23.98
11n-HT40	MCS0	62	5310	14.01	≤ 23.98

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	Power Limit (dBm)
11n-HT40	MCS0	102	5510	14.39	≤ 23.98
11n-HT40	MCS0	118	5590	14.23	≤ 23.98
11n-HT40	MCS0	134	5670	13.89	≤ 23.98
11n-HT40	MCS0	151	5755	13.89	≤ 30.00
11n-HT40	MCS0	159	5795	13.92	≤ 30.00
11ac-VHT20	MCS0	36	5180	13.30	≤ 23.98
11ac-VHT20	MCS0	44	5220	13.28	≤ 23.98
11ac-VHT20	MCS0	48	5240	13.24	≤ 23.98
11ac-VHT20	MCS0	52	5260	13.13	≤ 23.98
11ac-VHT20	MCS0	60	5300	13.04	≤ 23.98
11ac-VHT20	MCS0	64	5320	13.12	≤ 23.98
11ac-VHT20	MCS0	100	5500	12.50	≤ 23.98
11ac-VHT20	MCS0	116	5580	13.28	≤ 23.98
11ac-VHT20	MCS0	120	5600	12.95	≤ 23.98
11ac-VHT20	MCS0	132	5660	12.92	≤ 23.98
11ac-VHT20	MCS0	140	5700	13.11	≤ 23.98
11ac-VHT20	MCS0	149	5745	12.92	≤ 30.00
11ac-VHT20	MCS0	157	5785	13.01	≤ 30.00
11ac-VHT20	MCS0	165	5825	12.97	≤ 30.00
11ac-VHT40	MCS0	38	5190	13.20	≤ 23.98
11ac-VHT40	MCS0	46	5230	13.18	≤ 23.98
11ac-VHT40	MCS0	54	5270	13.03	≤ 23.98
11ac-VHT40	MCS0	62	5310	13.02	≤ 23.98
11ac-VHT40	MCS0	102	5510	12.45	≤ 23.98
11ac-VHT40	MCS0	118	5590	13.27	≤ 23.98
11ac-VHT40	MCS0	134	5670	12.90	≤ 23.98
11ac-VHT40	MCS0	151	5755	12.85	≤ 30.00
11ac-VHT40	MCS0	159	5795	12.92	≤ 30.00
11ac-VHT80	MCS0	42	5210	12.63	≤ 23.98
11ac-VHT80	MCS0	58	5290	12.50	≤ 23.98
11ac-VHT80	MCS0	106	5530	12.88	≤ 23.98
11ac-VHT80	MCS0	122	5610	12.87	≤ 23.98
11ac-VHT80	MCS0	155	5775	13.30	≤ 30.00

**A.5 Power Spectral Density Test Result**

Test Site	NS-TR2	Test Engineer	Summer Tang
Test Date	2023-08-09		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AV PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	Limit (dBm/MHz)
11a	6Mbps	36	5180	4.460	96.72	4.605	11.00
11a	6Mbps	44	5220	4.320	96.72	4.465	11.00
11a	6Mbps	48	5240	4.184	96.72	4.329	11.00
11a	6Mbps	52	5260	4.018	96.72	4.163	11.00
11a	6Mbps	60	5300	3.822	96.72	3.967	11.00
11a	6Mbps	64	5320	3.951	96.72	4.096	11.00
11a	6Mbps	100	5500	4.549	96.72	4.694	11.00
11a	6Mbps	116	5580	4.275	96.72	4.420	11.00
11a	6Mbps	120	5600	4.078	96.72	4.223	11.00
11a	6Mbps	132	5660	3.838	96.72	3.983	11.00
11a	6Mbps	140	5700	3.749	96.72	3.894	11.00
11n-HT20	MCS0	36	5180	3.373	97.54	3.481	11.00
11n-HT20	MCS0	44	5220	3.238	97.54	3.346	11.00
11n-HT20	MCS0	48	5240	3.072	97.54	3.180	11.00
11n-HT20	MCS0	52	5260	2.917	97.54	3.025	11.00
11n-HT20	MCS0	60	5300	2.725	97.54	2.833	11.00
11n-HT20	MCS0	64	5320	2.871	97.54	2.979	11.00
11n-HT20	MCS0	100	5500	2.456	97.54	2.564	11.00
11n-HT20	MCS0	116	5580	3.244	97.54	3.352	11.00
11n-HT20	MCS0	120	5600	2.969	97.54	3.077	11.00
11n-HT20	MCS0	132	5660	2.795	97.54	2.903	11.00
11n-HT20	MCS0	140	5700	2.821	97.54	2.929	11.00
11n-HT40	MCS0	38	5190	0.418	94.74	0.653	11.00
11n-HT40	MCS0	46	5230	0.223	94.74	0.458	11.00
11n-HT40	MCS0	54	5270	-0.040	94.74	0.195	11.00
11n-HT40	MCS0	62	5310	-0.068	94.74	0.167	11.00
11n-HT40	MCS0	102	5510	0.607	94.74	0.842	11.00
11n-HT40	MCS0	118	5590	0.442	94.74	0.677	11.00
11n-HT40	MCS0	134	5670	-0.086	94.74	0.149	11.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AV PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
11ac-VHT20	MCS0	36	5180	2.415	97.84	2.510	11.00
11ac-VHT20	MCS0	44	5220	2.081	97.84	2.176	11.00
11ac-VHT20	MCS0	48	5240	1.939	97.84	2.034	11.00
11ac-VHT20	MCS0	52	5260	1.802	97.84	1.897	11.00
11ac-VHT20	MCS0	60	5300	1.793	97.84	1.888	11.00
11ac-VHT20	MCS0	64	5320	1.872	97.84	1.967	11.00
11ac-VHT20	MCS0	100	5500	1.499	97.84	1.594	11.00
11ac-VHT20	MCS0	116	5580	1.781	97.84	1.876	11.00
11ac-VHT20	MCS0	120	5600	2.308	97.84	2.403	11.00
11ac-VHT20	MCS0	132	5660	1.961	97.84	2.056	11.00
11ac-VHT20	MCS0	140	5700	1.793	97.84	1.888	11.00
11ac-VHT40	MCS0	38	5190	-0.476	95.34	-0.269	11.00
11ac-VHT40	MCS0	46	5230	-0.810	95.34	-0.603	11.00
11ac-VHT40	MCS0	54	5270	-1.151	95.34	-0.944	11.00
11ac-VHT40	MCS0	62	5310	-1.029	95.34	-0.822	11.00
11ac-VHT40	MCS0	102	5510	-1.321	95.34	-1.114	11.00
11ac-VHT40	MCS0	118	5590	-0.450	95.34	-0.243	11.00
11ac-VHT40	MCS0	134	5670	-1.080	95.34	-0.873	11.00
11ac-VHT80	MCS0	42	5210	-4.313	91.32	-3.919	11.00
11ac-VHT80	MCS0	58	5290	-5.532	91.32	-5.138	11.00
11ac-VHT80	MCS0	106	5530	-4.662	91.32	-4.268	11.00
11ac-VHT80	MCS0	122	5610	-4.567	91.32	-4.173	11.00

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

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

Test Site	NS-TR2	Test Engineer	Summer Tang
Test Date	2023-08-09		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AV PSD (dBm/ 510KHz)	Duty Cycle (%)	Total PSD (dBm/ 510KHz)	PSD Limit (dBm/ 500KHz)
11a	6Mbps	149	5745	0.760	96.72	0.905	≤ 30.00
11a	6Mbps	157	5785	0.781	96.72	0.926	≤ 30.00
11a	6Mbps	165	5825	0.923	96.72	1.068	≤ 30.00
11n-HT20	MCS0	149	5745	-0.316	97.54	-0.208	≤ 30.00
11n-HT20	MCS0	157	5785	-0.237	97.54	-0.129	≤ 30.00
11n-HT20	MCS0	165	5825	-0.129	97.54	-0.021	≤ 30.00
11n-HT40	MCS0	151	5755	-3.266	94.74	-3.031	≤ 30.00
11n-HT40	MCS0	159	5795	-3.306	94.74	-3.071	≤ 30.00
11ac-VHT20	MCS0	149	5745	-1.329	97.84	-1.234	≤ 30.00
11ac-VHT20	MCS0	157	5785	-1.280	97.84	-1.185	≤ 30.00
11ac-VHT20	MCS0	165	5825	-1.180	97.84	-1.085	≤ 30.00
11ac-VHT40	MCS0	151	5755	-4.247	95.34	-4.040	≤ 30.00
11ac-VHT40	MCS0	159	5795	-4.313	95.34	-4.106	≤ 30.00
11ac-VHT80	MCS0	155	5775	-7.685	91.32	-7.291	≤ 30.00

Note 1:

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

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



## 802.11a Power Spectral Density

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



## 802.11a Power Spectral Density

Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 120 (5600MHz)



Channel 132 (5660MHz)



Channel 140 (5700MHz)



Channel 149 (5745MHz)



802.11a Power Spectral Density

Channel 157 (5785MHz)

Channel 165 (5825MHz)



## 802.11n-HT20 Power Spectral Density

Channel 36 (5180MHz)



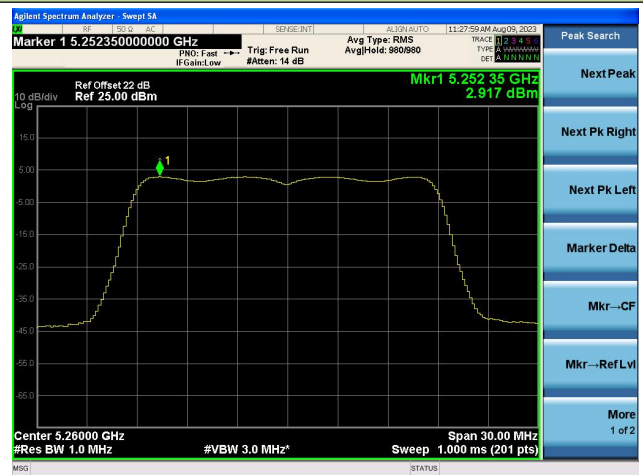
Channel 44 (5220MHz)



Channel 48 (5240MHz)



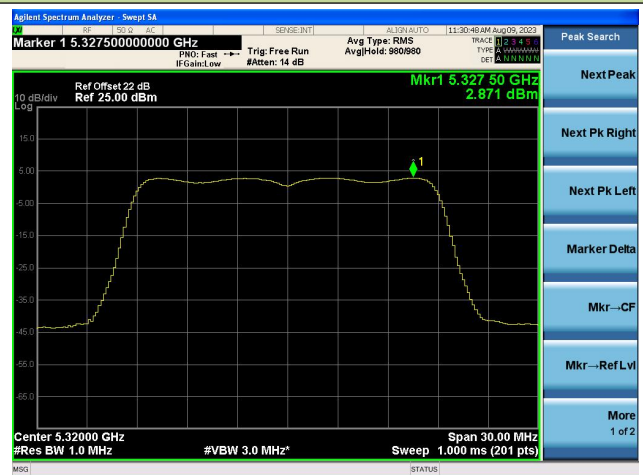
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



## 802.11n-HT20 Power Spectral Density

Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 120 (5600MHz)



Channel 132 (5660MHz)

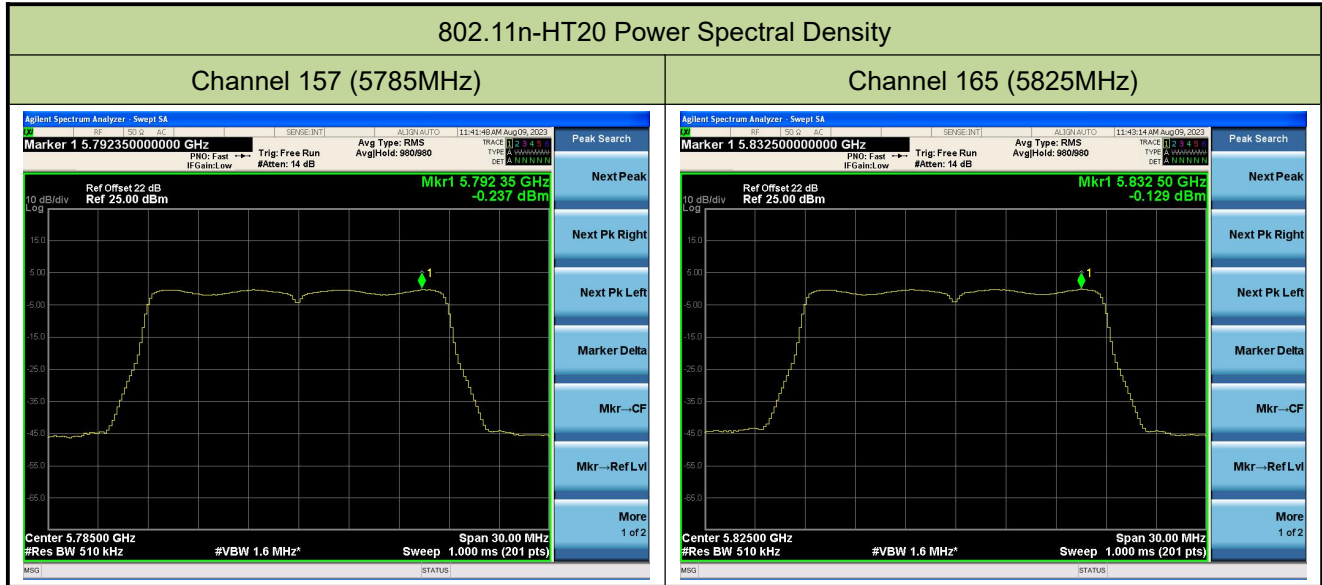


Channel 140 (5700MHz)



Channel 149 (5745MHz)





## 802.11n-HT40 Power Spectral Density

## Channel 38 (5190MHz)



## Channel 46 (5230MHz)



## Channel 54 (5270MHz)



## Channel 62 (5310MHz)



## Channel 102 (5510MHz)



## Channel 118 (5590MHz)

