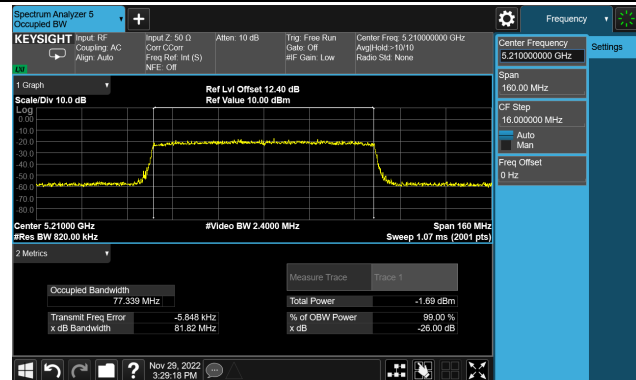
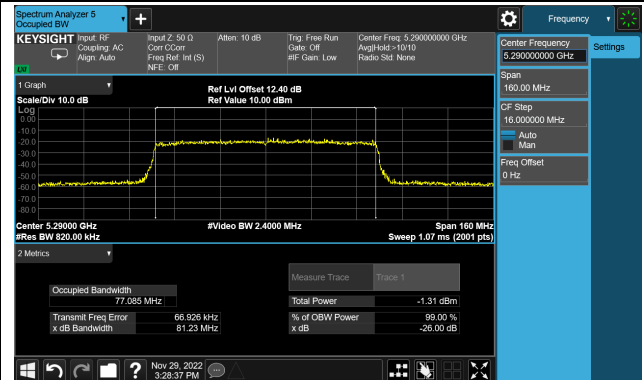


802.11ax-HE80 26dB & 99% Bandwidth

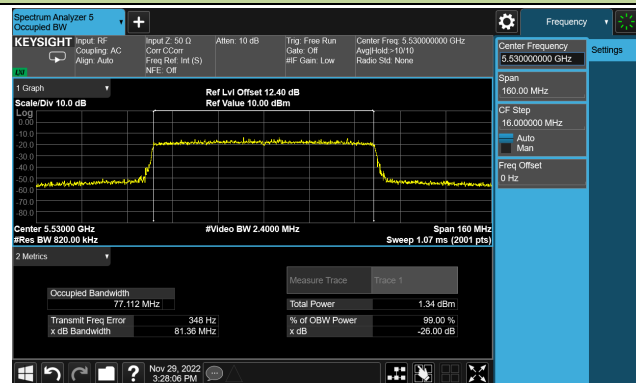
Channel 42 (5210MHz)



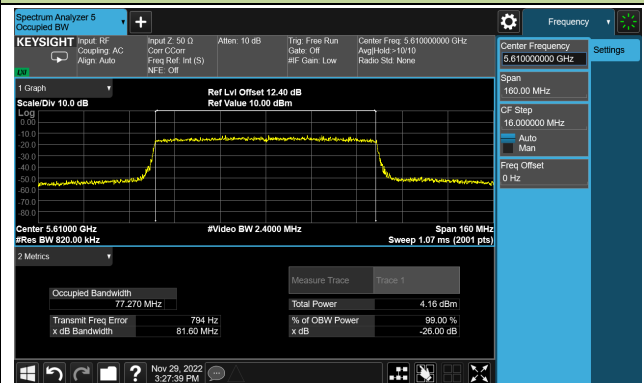
Channel 58 (5290MHz)



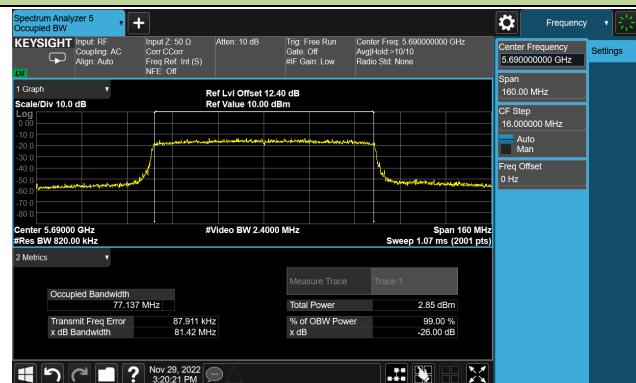
Channel 106 (5530MHz)



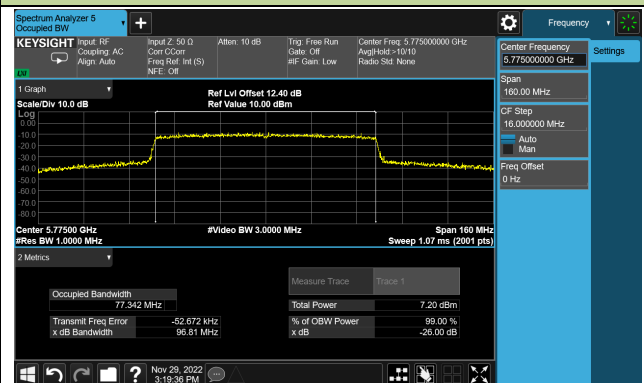
Channel 122 (5610MHz)

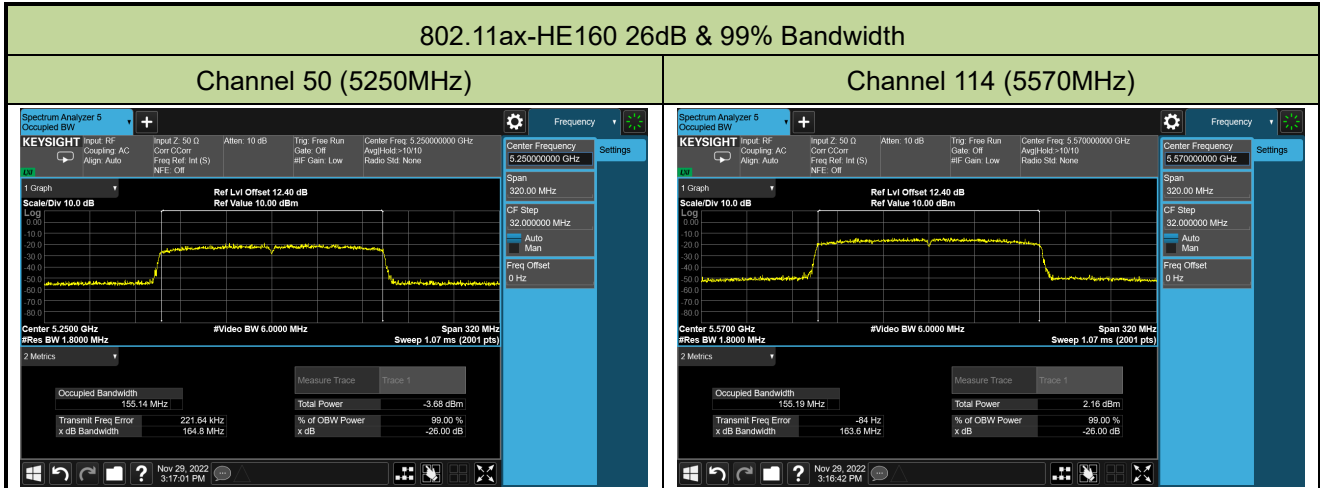


Channel 138 (5690MHz)



Channel 155 (5775MHz)

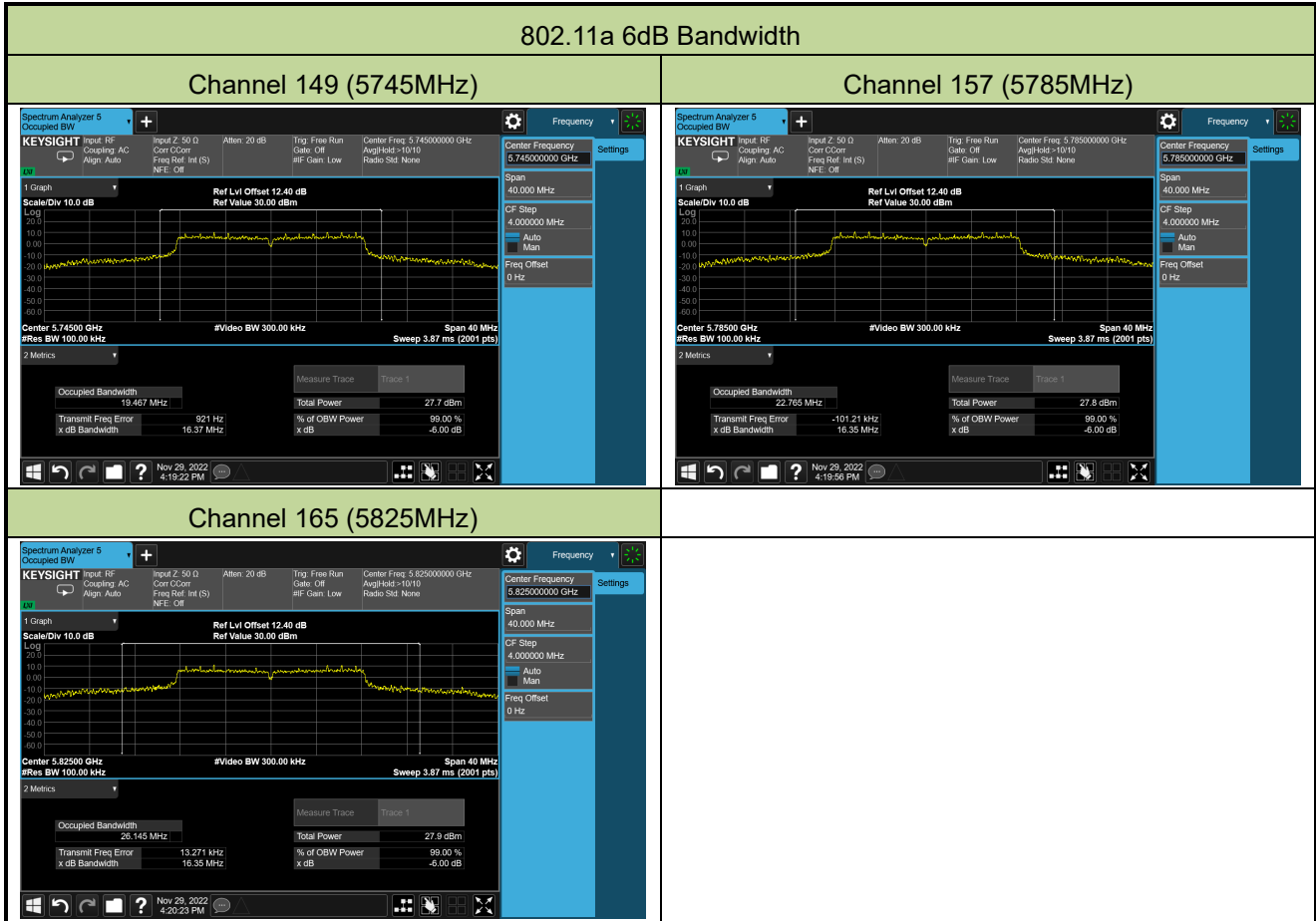




A.3 6dB Bandwidth Test Result

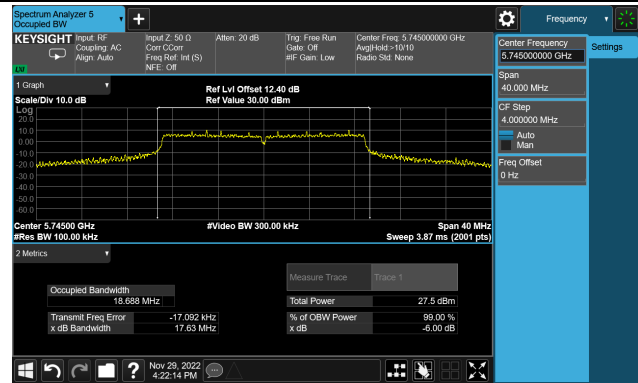
Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-29		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	16.37	≥0.5
11a	6Mbps	157	5785	16.35	≥0.5
11a	6Mbps	165	5825	16.35	≥0.5
11ac-VHT20	MCS0	149	5745	17.63	≥0.5
11ac-VHT20	MCS0	157	5785	17.62	≥0.5
11ac-VHT20	MCS0	165	5825	17.64	≥0.5
11ac-VHT40	MCS0	151	5755	34.51	≥0.5
11ac-VHT40	MCS0	159	5795	36.33	≥0.5
11ac-VHT80	MCS0	155	5775	74.35	≥0.5
11ax-HE20	MCS0	149	5745	18.99	≥0.5
11ax-HE20	MCS0	157	5785	19.03	≥0.5
11ax-HE20	MCS0	165	5825	18.97	≥0.5
11ax-HE40	MCS0	151	5755	36.86	≥0.5
11ax-HE40	MCS0	159	5795	37.36	≥0.5
11ax-HE80	MCS0	155	5775	76.59	≥0.5

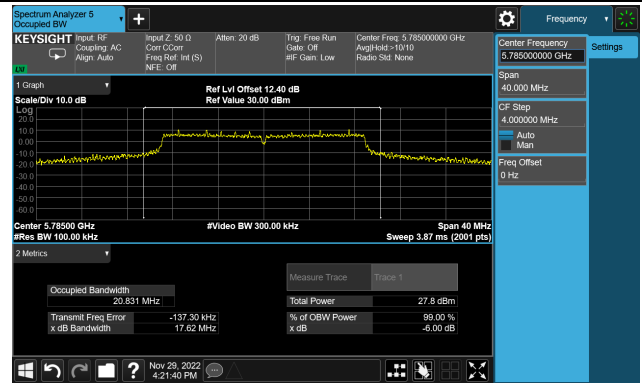


802.11ac-VHT20 6dB Bandwidth

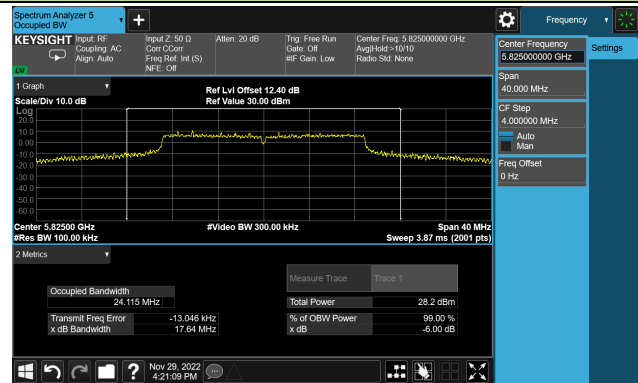
Channel 149 (5745MHz)



Channel 157 (5785MHz)

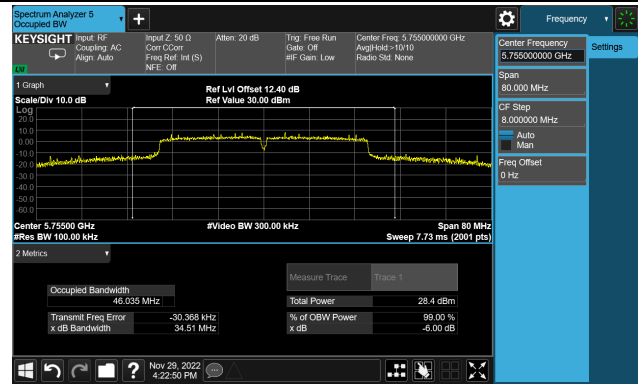


Channel 165 (5825MHz)

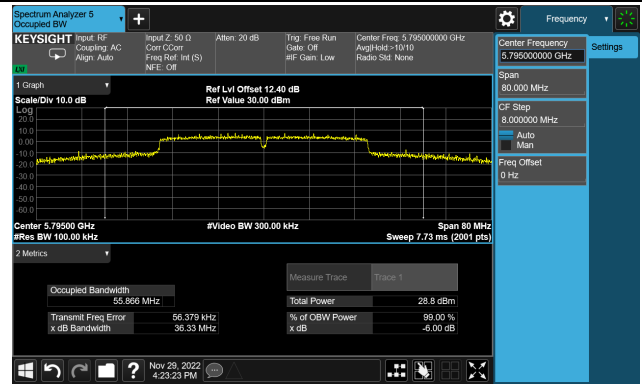


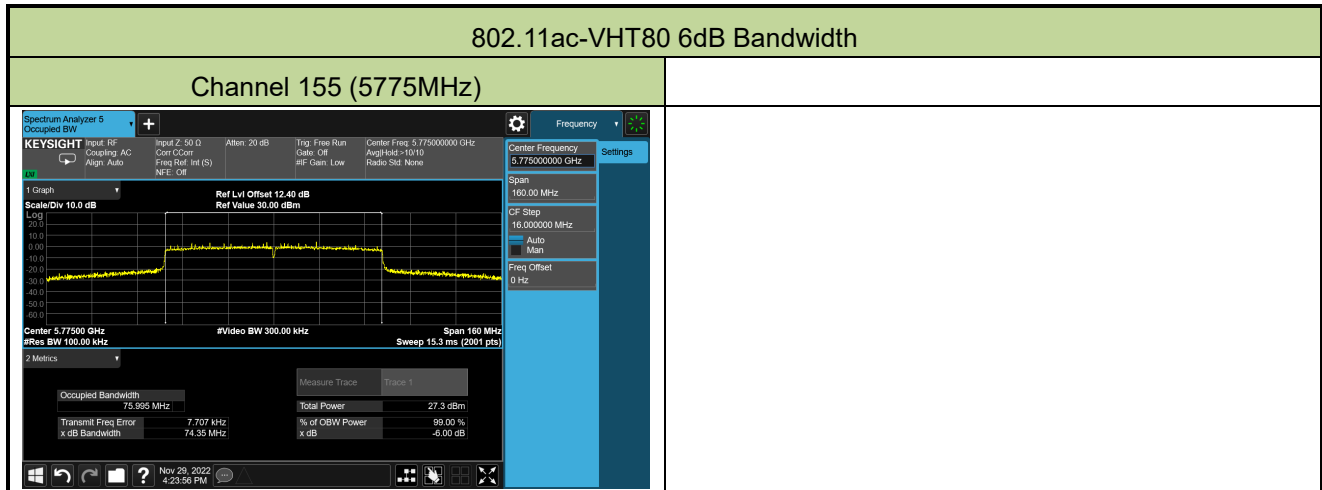
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



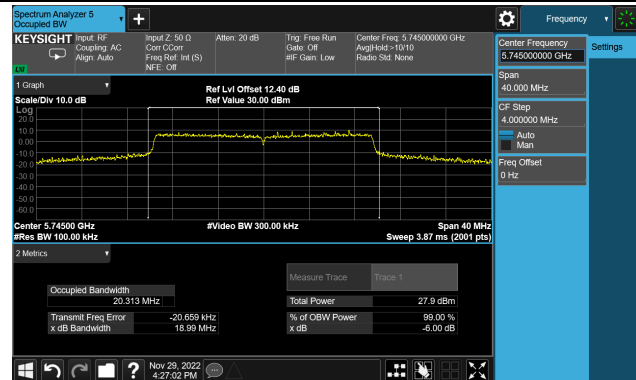
Channel 159 (5795MHz)



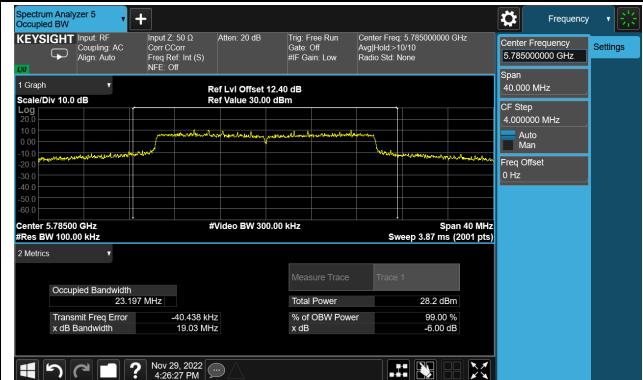


802.11ax-HE20 6dB Bandwidth

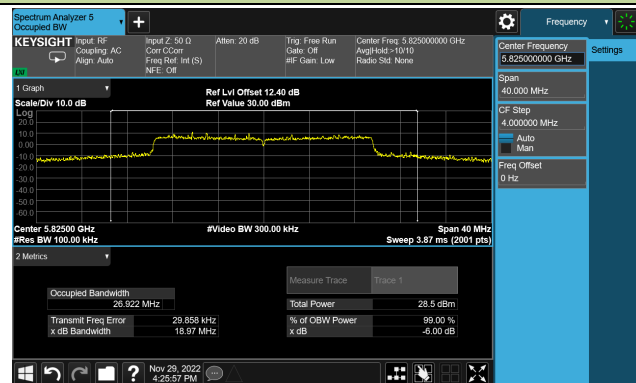
Channel 149 (5745MHz)



Channel 157 (5785MHz)

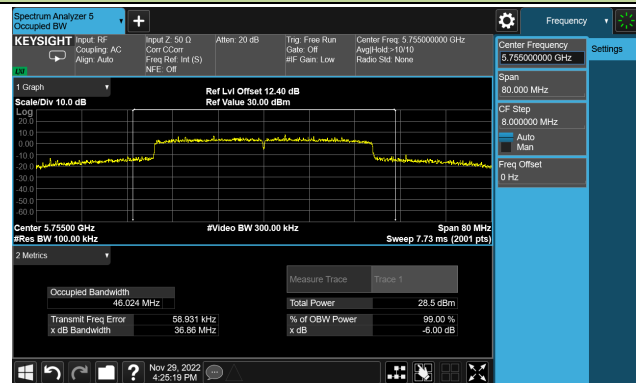


Channel 165 (5825MHz)

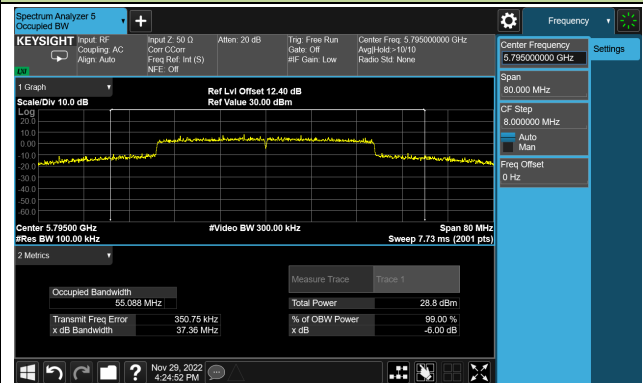


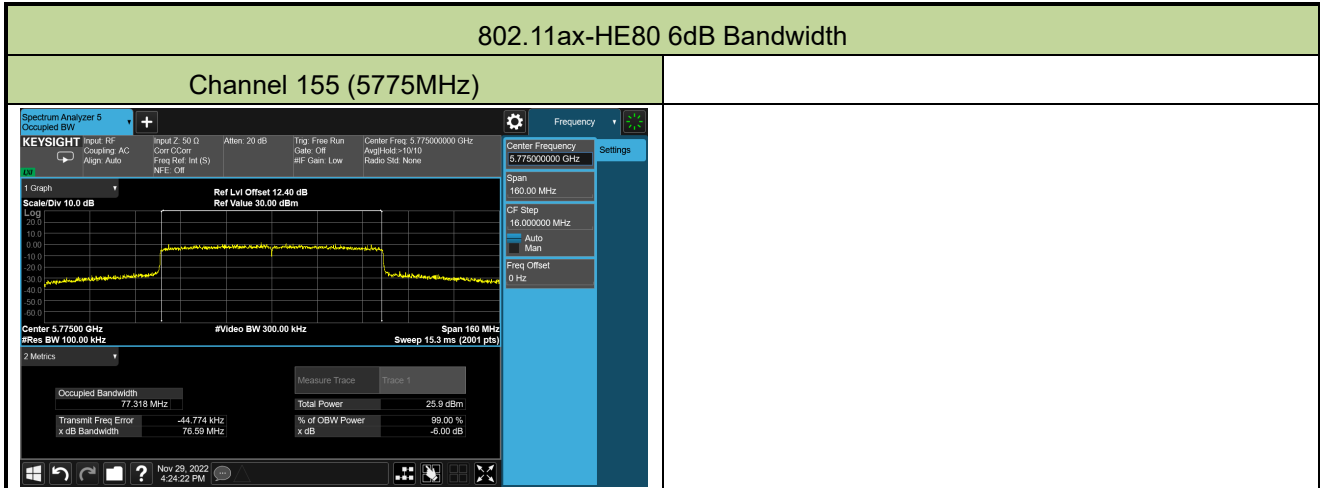
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-23 ~ 2022-12-23		
Test Mode	Access Point Mode		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1	Ant 2	Ant 3		
11a	6Mbps	36	5180	15.11	16.19	15.03	15.63	21.54	≤ 29.00
11a	6Mbps	44	5220	15.85	16.19	14.62	15.49	21.60	≤ 29.00
11a	6Mbps	48	5240	15.87	16.17	14.63	15.50	21.60	≤ 29.00
11ac-VHT20	MCS0	36	5180	15.59	15.79	15.57	15.52	21.64	≤ 29.00
11ac-VHT20	MCS0	44	5220	15.38	15.84	15.11	15.72	21.54	≤ 29.00
11ac-VHT20	MCS0	48	5240	15.32	15.89	15.16	15.74	21.56	≤ 29.00
11ac-VHT40	MCS0	38	5190	11.15	11.29	11.56	11.77	17.47	≤ 29.00
11ac-VHT40	MCS0	46	5230	17.87	18.51	17.54	17.99	24.01	≤ 29.00
11ac-VHT80	MCS0	42	5210	10.46	10.33	10.62	10.72	16.56	≤ 29.00
11ax-HE20	MCS0	36	5180	14.74	15.95	15.02	15.49	21.35	≤ 29.00
11ax-HE20	MCS0	44	5220	15.67	15.97	14.78	15.50	21.52	≤ 29.00
11ax-HE20	MCS0	48	5240	15.62	15.99	14.95	15.52	21.56	≤ 29.00
11ax-HE40	MCS0	38	5190	10.82	11.03	11.29	11.48	17.18	≤ 29.00
11ax-HE40	MCS0	46	5230	18.57	19.15	18.32	18.71	24.72	≤ 29.00
11ax-HE80	MCS0	42	5210	11.28	11.59	11.70	11.51	17.54	≤ 29.00

Note: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-23 ~ 2022-12-23		
Test Mode	Client Mode		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1	Ant 2	Ant 3		
11a	6Mbps	36	5180	9.91	10.29	10.55	10.52	16.35	≤ 22.98
11a	6Mbps	44	5220	10.43	10.67	10.48	10.77	16.61	≤ 22.98
11a	6Mbps	48	5240	9.82	10.08	8.94	10.15	15.79	≤ 22.98
11a	6Mbps	52	5260	9.76	10.13	10.03	10.18	16.05	≤ 22.95
11a	6Mbps	60	5300	9.75	10.13	9.86	10.15	16.00	≤ 22.95
11a	6Mbps	64	5320	9.70	10.07	9.77	10.07	15.93	≤ 22.95
11a	6Mbps	100	5500	9.55	9.92	10.24	10.16	16.00	≤ 22.95
11a	6Mbps	116	5580	9.89	9.84	10.14	10.02	15.99	≤ 22.95
11a	6Mbps	140	5700	9.87	10.14	10.75	10.06	16.24	≤ 22.95
11a	6Mbps	144	5720	9.01	9.26	10.19	9.52	15.54	≤ 22.78
11a	6Mbps	149	5745	20.64	20.96	21.41	20.78	26.98	≤ 29.00
11a	6Mbps	157	5785	20.40	20.70	21.24	20.59	26.76	≤ 29.00
11a	6Mbps	165	5825	20.97	20.94	20.74	20.96	26.92	≤ 29.00
11ac-VHT20	MCS0	36	5180	9.73	10.17	10.26	10.35	16.15	≤ 22.98
11ac-VHT20	MCS0	44	5220	9.74	9.85	9.82	10.01	15.88	≤ 22.98
11ac-VHT20	MCS0	48	5240	9.48	9.46	9.88	10.04	15.74	≤ 22.98
11ac-VHT20	MCS0	52	5260	9.59	10.00	9.88	10.02	15.90	≤ 22.98
11ac-VHT20	MCS0	60	5300	9.60	9.94	9.73	9.96	15.83	≤ 22.98
11ac-VHT20	MCS0	64	5320	9.59	9.98	9.61	9.91	15.80	≤ 22.98
11ac-VHT20	MCS0	100	5500	9.43	9.74	10.08	9.98	15.84	≤ 22.98
11ac-VHT20	MCS0	116	5580	9.71	9.75	9.95	9.93	15.86	≤ 22.98
11ac-VHT20	MCS0	140	5700	9.73	10.11	10.66	9.90	16.13	≤ 22.98
11ac-VHT20	MCS0	144	5720	9.29	9.70	10.54	9.74	15.86	≤ 22.90
11ac-VHT20	MCS0	149	5745	20.58	21.07	21.52	20.69	27.00	≤ 29.00
11ac-VHT20	MCS0	157	5785	20.59	20.74	21.32	20.53	26.83	≤ 29.00
11ac-VHT20	MCS0	165	5825	20.91	21.05	20.93	21.03	27.00	≤ 29.00
11ac-VHT40	MCS0	38	5190	11.15	11.29	11.56	11.77	17.47	≤ 22.98
11ac-VHT40	MCS0	46	5230	12.70	12.73	12.95	13.18	18.91	≤ 22.98
11ac-VHT40	MCS0	54	5270	12.60	12.71	12.86	13.16	18.86	≤ 22.98
11ac-VHT40	MCS0	62	5310	12.56	12.83	12.75	12.98	18.80	≤ 22.98
11ac-VHT40	MCS0	102	5510	12.46	12.63	12.58	13.03	18.70	≤ 22.98

11ac-VHT40	MCS0	110	5550	12.57	12.59	12.49	12.94	18.67	≤ 22.98
11ac-VHT40	MCS0	134	5670	12.51	12.62	12.66	12.70	18.64	≤ 22.98
11ac-VHT40	MCS0	142	5710	12.51	12.97	13.32	12.93	18.96	≤ 22.98
11ac-VHT40	MCS0	151	5755	21.25	21.38	21.90	21.09	27.44	≤ 29.00
11ac-VHT40	MCS0	159	5795	20.87	21.25	21.81	21.21	27.32	≤ 29.00
11ac-VHT80	MCS0	42	5210	10.46	10.33	10.62	10.72	16.56	≤ 22.98
11ac-VHT80	MCS0	58	5290	9.66	9.63	9.73	10.14	15.82	≤ 22.98
11ac-VHT80	MCS0	106	5530	13.44	13.33	13.47	13.15	19.37	≤ 22.98
11ac-VHT80	MCS0	122	5610	15.52	15.95	15.47	15.66	21.67	≤ 22.98
11ac-VHT80	MCS0	138	5690	15.47	15.72	16.29	15.39	21.75	≤ 22.98
11ac-VHT80	MCS0	155	5775	18.57	18.99	19.67	19.01	25.10	≤ 29.00
11ac-VHT160	MCS0	50	5250	9.81	9.59	9.78	9.83	15.77	≤ 22.98
11ac-VHT160	MCS0	114	5570	12.54	13.21	13.15	12.88	18.97	≤ 22.98
11ax-HE20	MCS0	36	5180	10.21	10.40	10.67	11.00	16.60	≤ 22.98
11ax-HE20	MCS0	44	5220	10.75	10.99	10.64	11.14	16.91	≤ 22.98
11ax-HE20	MCS0	48	5240	10.14	10.48	10.44	10.33	16.37	≤ 22.98
11ax-HE20	MCS0	52	5260	10.09	10.13	10.19	10.33	16.21	≤ 22.98
11ax-HE20	MCS0	60	5300	10.10	10.10	10.28	10.37	16.23	≤ 22.98
11ax-HE20	MCS0	64	5320	9.99	10.40	10.30	10.55	16.34	≤ 22.98
11ax-HE20	MCS0	100	5500	9.80	10.19	10.68	10.48	16.32	≤ 22.98
11ax-HE20	MCS0	116	5580	10.12	10.21	10.55	10.30	16.32	≤ 22.98
11ax-HE20	MCS0	140	5700	10.16	10.46	11.04	10.27	16.52	≤ 22.98
11ax-HE20	MCS0	144	5720	9.56	10.14	10.99	10.14	16.26	≤ 22.98
11ax-HE20	MCS0	149	5745	20.93	21.29	21.88	21.01	27.31	≤ 29.00
11ax-HE20	MCS0	157	5785	20.69	20.88	21.55	20.47	26.94	≤ 29.00
11ax-HE20	MCS0	165	5825	21.23	21.30	20.99	21.07	27.17	≤ 29.00
11ax-HE40	MCS0	38	5190	10.82	11.03	11.29	11.48	17.18	≤ 22.98
11ax-HE40	MCS0	46	5230	13.27	13.30	13.30	13.72	19.42	≤ 22.98
11ax-HE40	MCS0	54	5270	13.14	13.18	13.33	13.66	19.35	≤ 22.98
11ax-HE40	MCS0	62	5310	11.08	11.23	11.33	11.48	17.30	≤ 22.98
11ax-HE40	MCS0	102	5510	13.02	12.95	13.26	13.33	19.16	≤ 22.98
11ax-HE40	MCS0	110	5550	12.85	13.01	13.28	13.36	19.15	≤ 22.98
11ax-HE40	MCS0	134	5670	12.53	12.61	13.08	13.03	18.84	≤ 22.98
11ax-HE40	MCS0	142	5710	12.92	13.45	13.71	13.25	19.36	≤ 22.98
11ax-HE40	MCS0	151	5755	20.70	20.86	21.72	20.96	27.10	≤ 29.00
11ax-HE40	MCS0	159	5795	20.89	21.19	21.83	21.05	27.28	≤ 29.00
11ax-HE80	MCS0	42	5210	11.28	11.59	11.70	11.51	17.54	≤ 22.98
11ax-HE80	MCS0	58	5290	10.45	11.16	10.97	10.92	16.90	≤ 22.98

11ax-HE80	MCS0	106	5530	13.41	13.60	13.48	13.54	19.53	≤ 22.98
11ax-HE80	MCS0	122	5610	15.74	15.87	15.85	15.93	21.87	≤ 22.98
11ax-HE80	MCS0	138	5690	15.56	15.88	16.44	15.56	21.90	≤ 22.98
11ax-HE80	MCS0	155	5775	17.31	17.46	17.94	17.41	23.56	≤ 29.00
11ax-HE160	MCS0	50	5250	9.50	9.35	9.69	9.63	15.57	≤ 22.98
11ax-HE160	MCS0	114	5570	14.04	14.81	14.76	13.92	20.42	≤ 22.98

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$.

Note 2: Max Conducted Output Power Limit Calculation as below:

For 5250-5350MHz, 5470-5725MHz

802.11a: $11 + 10 \log_{10} (19.74\text{MHz}) - 1 = \mathbf{22.95dBm} < 23.98 - 1\text{dBm}$

802.11ac-VHT20: $11 + 10 \log_{10} (20.89\text{MHz}) - 1 = \mathbf{23.20dBm} > 23.98 - 1\text{dBm}$

802.11ax-HE20: $11 + 10 \log_{10} (21.14\text{MHz}) - 1 = \mathbf{23.25dBm} > 23.98 - 1\text{dBm}$

802.11ac-VHT40/ax-HE40/ac-VHT80/ax-HE80/ac-VHT160/ax-HE160: $11 + 10 \log_{10} B - 1 > \mathbf{23.98}$

-1dBm

Note 3: For 5720MHz, Average Power Limit = $11 + 10 \cdot \log(5 + 26\text{dBc}/2)$.

A.5 Power Spectral Density Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-22~2022-12-12		
Test Item	Power Spectral Density (UNII-Band 1)		
Test Mode	Access Point Mode		

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			
11a	6Mbps	36	5180	3.244	4.311	3.356	3.681	96.81	9.83	≤ 9.98
11a	6Mbps	44	5220	4.048	4.014	2.827	3.264	96.81	9.73	≤ 9.98
11a	6Mbps	48	5240	4.025	4.293	2.727	3.320	96.81	9.80	≤ 9.98
11ac-VHT20	MCS0	36	5180	3.049	3.370	2.942	3.119	89.38	9.63	≤ 9.98
11ac-VHT20	MCS0	44	5220	2.658	3.220	2.516	3.182	89.38	9.41	≤ 9.98
11ac-VHT20	MCS0	48	5240	2.755	3.316	2.776	3.133	89.38	9.51	≤ 9.98
11ac-VHT40	MCS0	38	5190	-4.586	-4.154	-3.960	-3.972	81.86	2.73	≤ 9.98
11ac-VHT40	MCS0	46	5230	2.543	3.324	2.110	2.690	81.86	9.58	≤ 9.98
11ac-VHT80	MCS0	42	5210	-7.662	-7.451	-7.475	-7.472	90.48	-1.06	≤ 9.98
11ax-HE20	MCS0	36	5180	2.388	3.583	2.747	3.318	92.82	9.38	≤ 9.98
11ax-HE20	MCS0	44	5220	3.221	3.545	2.428	3.222	92.82	9.47	≤ 9.98
11ax-HE20	MCS0	48	5240	3.229	3.626	2.459	3.184	92.82	9.49	≤ 9.98
11ax-HE40	MCS0	38	5190	-4.025	-3.395	-3.453	-3.352	94.03	2.74	≤ 9.98
11ax-HE40	MCS0	46	5230	3.092	3.731	3.134	3.288	94.03	9.61	≤ 9.98
11ax-HE80	MCS0	42	5210	-7.260	-6.670	-6.946	-6.810	91.88	-0.53	≤ 9.98

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

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-22~2022-11-29		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		
Test Mode	Client Mode		

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			
11a	6Mbps	36	5180	-2.863	-2.299	-2.231	-2.381	96.81	3.72	≤ 3.98
11a	6Mbps	44	5220	-2.357	-2.428	-2.537	-2.503	96.81	3.71	≤ 3.98
11a	6Mbps	48	5240	-2.911	-2.646	-2.751	-2.206	96.81	3.54	≤ 3.98
11a	6Mbps	52	5260	-2.672	-2.048	-2.436	-2.537	96.81	3.74	≤ 3.98
11a	6Mbps	60	5300	-2.692	-2.359	-2.741	-2.232	96.81	3.66	≤ 3.98
11a	6Mbps	64	5320	-2.639	-2.502	-2.647	-2.483	96.81	3.59	≤ 3.98
11a	6Mbps	100	5500	-3.029	-2.708	-2.125	-2.603	96.81	3.56	≤ 3.98
11a	6Mbps	116	5580	-2.556	-2.848	-2.070	-2.649	96.81	3.64	≤ 3.98
11a	6Mbps	140	5700	-2.714	-2.221	-1.751	-2.750	96.81	3.82	≤ 3.98
11a	6Mbps	144	5720	-3.006	-3.256	-2.203	-2.771	96.81	3.37	≤ 3.98
11ac-VHT20	MCS0	36	5180	-3.543	-3.105	-2.887	-2.702	89.38	3.46	≤ 3.98
11ac-VHT20	MCS0	44	5220	-3.464	-3.256	-3.207	-3.057	89.38	3.26	≤ 3.98
11ac-VHT20	MCS0	48	5240	-3.246	-3.149	-3.224	-3.122	89.38	3.32	≤ 3.98
11ac-VHT20	MCS0	52	5260	-3.375	-2.761	-3.117	-3.083	89.38	3.43	≤ 3.98
11ac-VHT20	MCS0	60	5300	-3.377	-3.227	-3.388	-2.790	89.38	3.32	≤ 3.98
11ac-VHT20	MCS0	64	5320	-3.397	-2.917	-3.341	-3.186	89.38	3.30	≤ 3.98
11ac-VHT20	MCS0	100	5500	-3.768	-3.298	-2.967	-2.892	89.38	3.29	≤ 3.98
11ac-VHT20	MCS0	116	5580	-3.442	-3.350	-2.937	-3.184	89.38	3.28	≤ 3.98
11ac-VHT20	MCS0	140	5700	-3.181	-3.006	-2.351	-3.295	89.38	3.57	≤ 3.98
11ac-VHT20	MCS0	144	5720	-3.478	-3.121	-2.451	-2.993	89.38	3.51	≤ 3.98
11ac-VHT40	MCS0	38	5190	-4.586	-4.154	-3.960	-3.972	81.86	2.73	≤ 3.98
11ac-VHT40	MCS0	46	5230	-3.347	-3.660	-2.528	-3.064	81.86	3.76	≤ 3.98
11ac-VHT40	MCS0	54	5270	-3.425	-3.408	-3.331	-2.894	81.86	3.63	≤ 3.98
11ac-VHT40	MCS0	62	5310	-3.331	-3.224	-3.362	-3.023	81.86	3.66	≤ 3.98
11ac-VHT40	MCS0	102	5510	-3.537	-3.402	-3.500	-3.153	81.86	3.49	≤ 3.98
11ac-VHT40	MCS0	110	5550	-3.237	-3.566	-3.375	-3.228	81.86	3.54	≤ 3.98
11ac-VHT40	MCS0	134	5670	-3.772	-3.580	-3.608	-3.529	81.86	3.27	≤ 3.98
11ac-VHT40	MCS0	142	5710	-3.509	-2.982	-2.808	-3.249	81.86	3.76	≤ 3.98

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/M Hz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11ac-VHT80	MCS0	42	5210	-7.662	-7.451	-7.475	-7.472	90.48	-1.06	≤ 3.98
11ac-VHT80	MCS0	58	5290	-8.006	-7.346	-7.525	-7.616	90.48	-1.16	≤ 3.98
11ac-VHT80	MCS0	106	5530	-4.259	-3.976	-4.841	-4.775	90.48	2.01	≤ 3.98
11ac-VHT80	MCS0	122	5610	-3.284	-2.997	-3.042	-3.220	90.48	3.32	≤ 3.98
11ac-VHT80	MCS0	138	5690	-2.989	-2.642	-2.011	-3.091	90.48	3.79	≤ 3.98
11ac-VHT160	MCS0	50	5250	-11.565	-11.183	-11.322	-11.455	88.26	-4.82	≤ 3.98
11ac-VHT160	MCS0	114	5570	-5.005	-4.614	-4.675	-5.044	88.26	1.73	≤ 3.98
11ax-HE20	MCS0	36	5180	-3.633	-3.166	-2.548	-2.634	92.82	3.37	≤ 3.98
11ax-HE20	MCS0	44	5220	-2.952	-2.773	-2.487	-2.403	92.82	3.70	≤ 3.98
11ax-HE20	MCS0	48	5240	-3.173	-2.850	-2.719	-2.524	92.82	3.53	≤ 3.98
11ax-HE20	MCS0	52	5260	-3.043	-2.687	-2.547	-2.396	92.82	3.68	≤ 3.98
11ax-HE20	MCS0	60	5300	-2.862	-2.583	-2.732	-2.452	92.82	3.69	≤ 3.98
11ax-HE20	MCS0	64	5320	-2.898	-2.855	-2.832	-2.421	92.82	3.60	≤ 3.98
11ax-HE20	MCS0	100	5500	-3.445	-3.080	-2.511	-2.740	92.82	3.41	≤ 3.98
11ax-HE20	MCS0	116	5580	-3.009	-3.048	-2.672	-2.797	92.82	3.47	≤ 3.98
11ax-HE20	MCS0	140	5700	-2.952	-2.766	-2.013	-2.707	92.82	3.75	≤ 3.98
11ax-HE20	MCS0	144	5720	-3.083	-2.899	-1.811	-2.702	92.82	3.75	≤ 3.98
11ax-HE40	MCS0	38	5190	-4.025	-3.395	-3.453	-3.352	94.03	2.74	≤ 3.98
11ax-HE40	MCS0	46	5230	-3.111	-3.013	-2.877	-2.445	94.03	3.43	≤ 3.98
11ax-HE40	MCS0	54	5270	-2.782	-2.669	-2.490	-2.021	94.03	3.81	≤ 3.98
11ax-HE40	MCS0	62	5310	-3.507	-2.985	-3.143	-3.194	94.03	3.08	≤ 3.98
11ax-HE40	MCS0	102	5510	-3.177	-3.077	-2.736	-2.678	94.03	3.38	≤ 3.98
11ax-HE40	MCS0	110	5550	-3.000	-3.121	-2.842	-2.765	94.03	3.36	≤ 3.98
11ax-HE40	MCS0	134	5670	-3.221	-3.138	-2.880	-3.015	94.03	3.23	≤ 3.98
11ax-HE40	MCS0	142	5710	-2.925	-2.486	-2.002	-2.639	94.03	3.79	≤ 3.98
11ax-HE80	MCS0	42	5210	-7.260	-6.670	-6.946	-6.810	91.88	-0.53	≤ 3.98
11ax-HE80	MCS0	58	5290	-7.590	-6.951	-7.090	-7.263	91.88	-0.83	≤ 3.98
11ax-HE80	MCS0	106	5530	-5.012	-4.603	-4.862	-4.819	91.88	1.57	≤ 3.98
11ax-HE80	MCS0	122	5610	-3.241	-2.850	-3.021	-3.123	91.88	3.33	≤ 3.98
11ax-HE80	MCS0	138	5690	-3.339	-3.141	-2.374	-3.500	91.88	3.32	≤ 3.98
11ax-HE160	MCS0	50	5250	-11.510	-11.660	-11.296	-11.154	92.60	-5.05	≤ 3.98
11ax-HE160	MCS0	114	5570	-5.817	-5.403	-5.373	-5.612	92.60	0.81	≤ 3.98

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

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

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-24~2022-11-25		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510KHz)				Duty Cycle (%)	Total PSD (dBm/ 510KHz)	PSD Limit (dBm/ 500KHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11a	6Mbps	149	5745	5.964	6.472	7.019	5.516	96.81	12.44	≤ 22.98
11a	6Mbps	157	5785	5.865	6.512	6.917	5.656	96.81	12.43	≤ 22.98
11a	6Mbps	165	5825	6.223	6.580	6.417	6.030	96.81	12.48	≤ 22.98
11ac-VHT20	MCS0	149	5745	5.083	5.890	6.251	5.176	89.38	12.14	≤ 22.98
11ac-VHT20	MCS0	157	5785	5.338	5.666	5.802	4.939	89.38	12.00	≤ 22.98
11ac-VHT20	MCS0	165	5825	5.508	5.918	5.563	5.524	89.38	11.09	≤ 22.98
11ac-VHT40	MCS0	151	5755	2.223	2.918	3.286	2.191	81.86	9.57	≤ 22.98
11ac-VHT40	MCS0	159	5795	2.150	2.904	3.193	2.327	81.86	9.55	≤ 22.98
11ac-VHT80	MCS0	155	5775	-1.257	-1.060	-0.681	-1.539	90.48	5.33	≤ 22.98
11ax-HE20	MCS0	149	5745	4.889	5.527	6.027	5.083	92.82	11.75	≤ 22.98
11ax-HE20	MCS0	157	5785	5.016	5.514	5.735	5.126	92.82	11.70	≤ 22.98
11ax-HE20	MCS0	165	5825	5.270	5.864	5.352	5.150	92.82	11.76	≤ 22.98
11ax-HE40	MCS0	151	5755	2.291	3.046	3.009	2.261	94.03	8.96	≤ 22.98
11ax-HE40	MCS0	159	5795	2.367	3.105	3.302	2.359	94.03	9.09	≤ 22.98
11ax-HE80	MCS0	155	5775	-2.895	-2.220	-1.923	-3.099	91.88	3.88	≤ 22.98

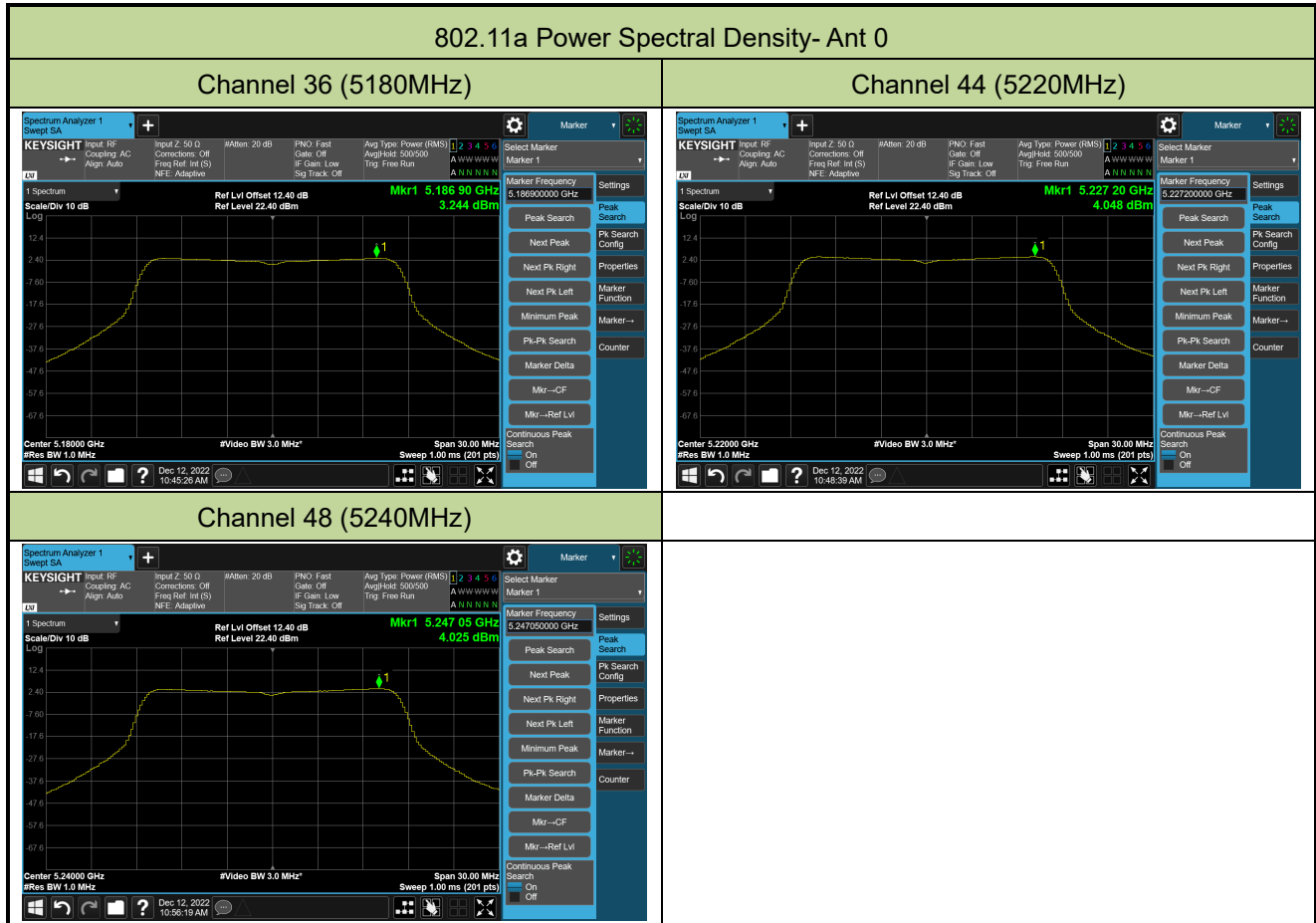
Note 1:

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)}\}$.

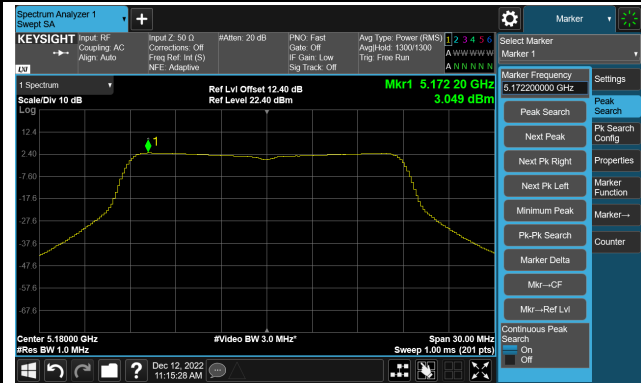
Note 2: PSD Limit (dBm/500KHz) = 30 - (13.02 - 6) = 22.98dBm/MHz.

Access Point Mode



802.11ac-VHT20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)

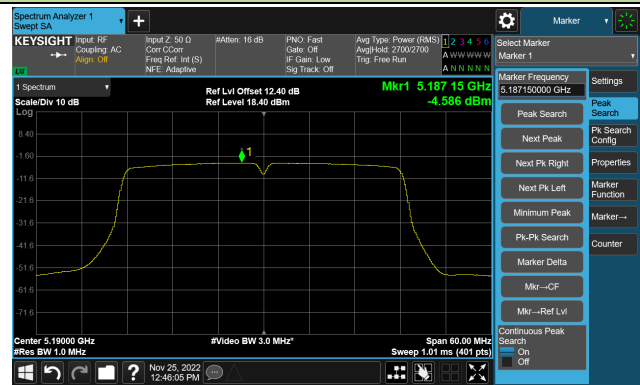


Channel 48 (5240MHz)



802.11ac-VHT40 Power Spectral Density- Ant 0

Channel 38 (5190MHz)

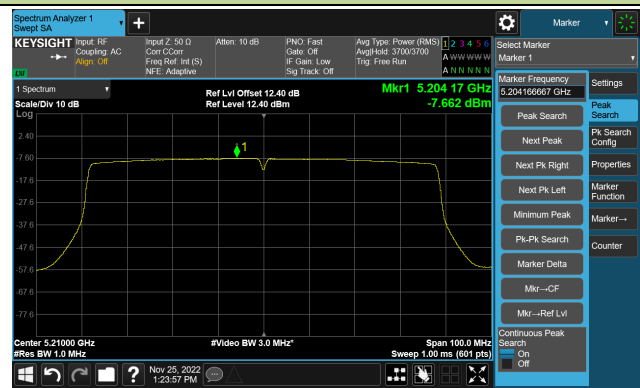


Channel 46 (5230MHz)



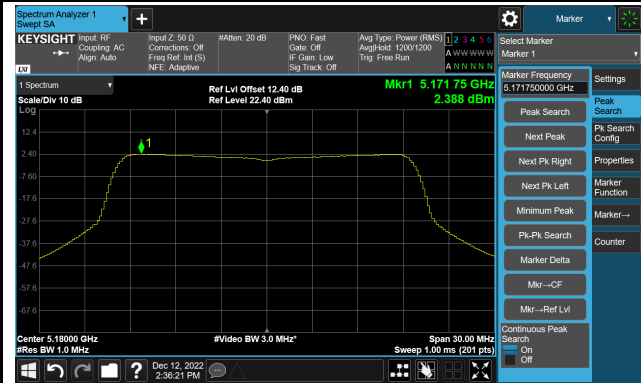
802.11ac-VHT80 Power Spectral Density- Ant 0

Channel 42 (5210MHz)



802.11ax-HE20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)

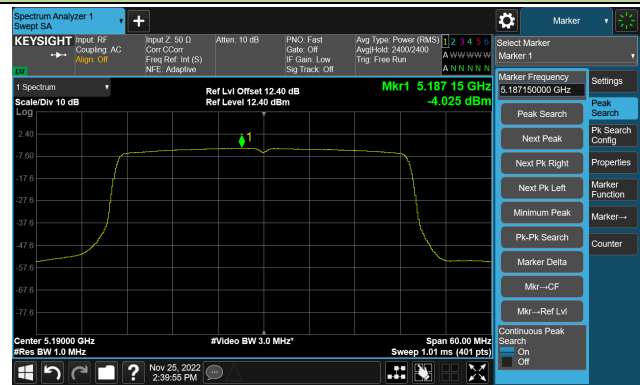


Channel 48 (5240MHz)



802.11ax-HE40 Power Spectral Density- Ant 0

Channel 38 (5190MHz)



Channel 46 (5230MHz)



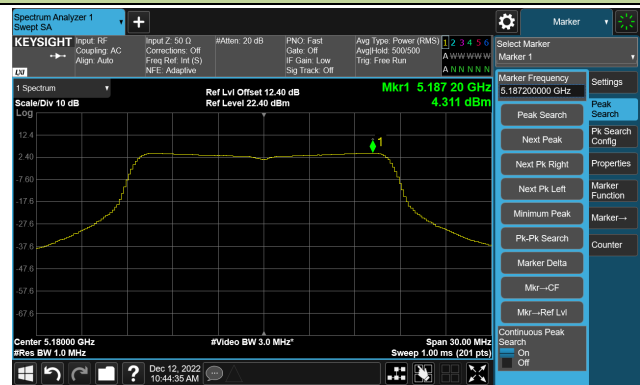
802.11ax-HE80 Power Spectral Density- Ant 0

Channel 42 (5210MHz)



802.11a Power Spectral Density- Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



802.11ac-VHT20 Power Spectral Density- Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)

