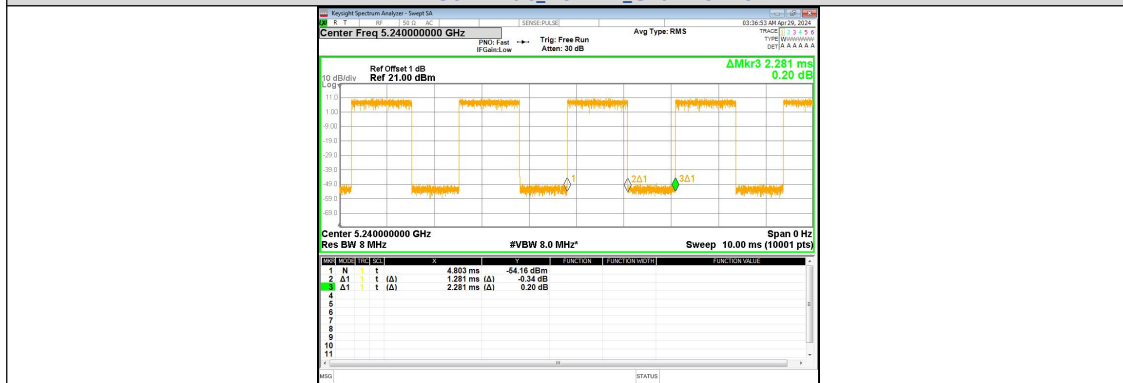




IEEE 802.11ac_20MHz_Channel 36



IEEE 802.11ac_20MHz_Channel 40



IEEE 802.11ac_20MHz_Channel 48



IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



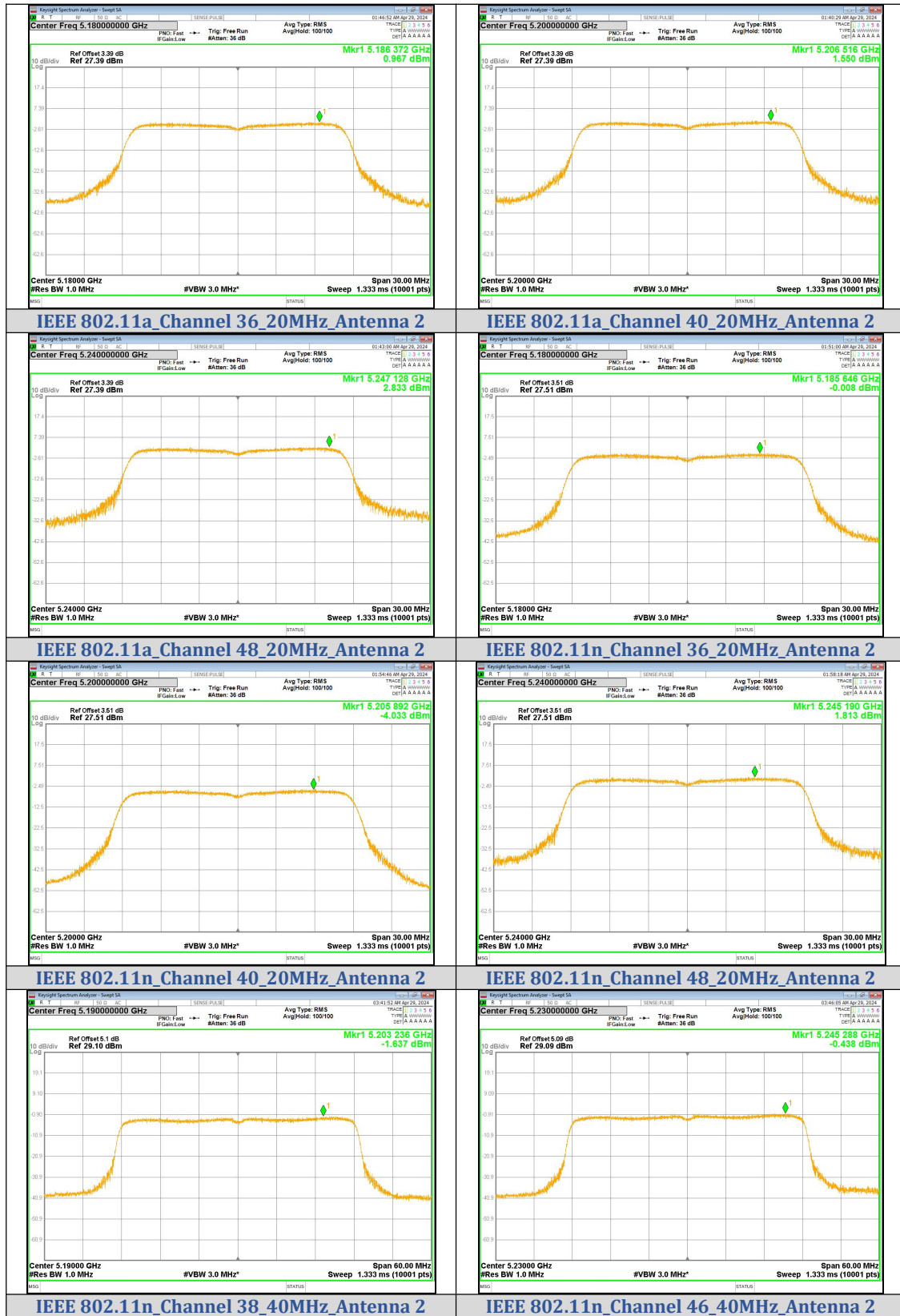
IEEE 802.11ac_80MHz_Channel 42

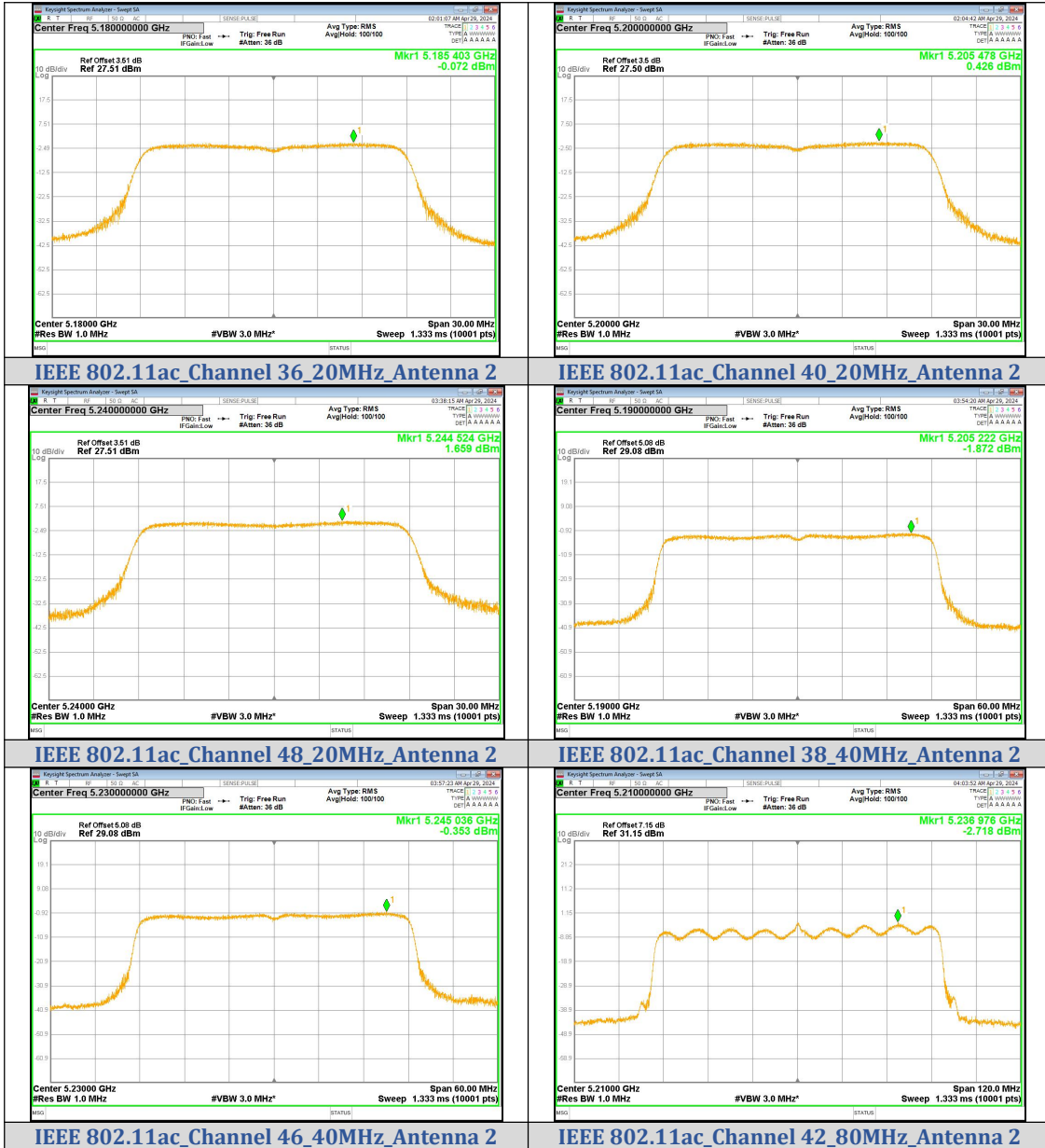
Peak Power Spectral Density

Test Result

Mode	Channel	Ant. 2 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 2 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	-1.419	0.967	11	PASS
	40	-0.835	1.55		PASS
	48	0.446	2.833		PASS
IEEE 802.11n_20	36	-2.520	-0.008		PASS
	40	-6.545	-4.033		PASS
	48	-0.701	1.813		PASS
IEEE 802.11n_40	38	-5.739	-1.637		PASS
	46	-4.533	-0.438		PASS
IEEE 802.11ac_20	36	-2.578	-0.072		PASS
	40	-2.078	0.426		PASS
	48	-0.847	1.659		PASS
IEEE 802.11ac_40	38	-5.955	-1.872		PASS
	46	-4.431	-0.353		PASS
IEEE 802.11ac_80	42	-8.869	-2.718		PASS

Test Graphs







Frequency Stability

Test Result

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
20C 138V	a	5180	5179.96	-40000	-7.72	25	Pass
-20C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
-10C 120V	a	5180	5179.94	-60000	-11.58	25	Pass
0C 120V	a	5180	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
30C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
40C 120V	a	5180	5179.94	-60000	-11.58	25	Pass
50C 120V	a	5180	5179.96	-40000	-7.72	25	Pass
20C 102V	a	5200	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	5199.94	-60000	-11.54	25	Pass
-20C 120V	a	5200	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	5200	5199.96	-40000	-7.69	25	Pass
0C 120V	a	5200	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	5199.94	-60000	-11.54	25	Pass
30C 120V	a	5200	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5200	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	5239.94	-60000	-11.45	25	Pass
20C 138V	a	5240	5239.92	-80000	-15.27	25	Pass
-20C 120V	a	5240	5239.92	-80000	-15.27	25	Pass
-10C 120V	a	5240	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	5239.94	-60000	-11.45	25	Pass
10C 120V	a	5240	5239.94	-60000	-11.45	25	Pass
30C 120V	a	5240	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	5239.92	-80000	-15.27	25	Pass
50C 120V	a	5240	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5180	5179.96	-40000	-7.72	25	Pass
20C 120V	n20	5180	5179.94	-60000	-11.58	25	Pass
20C 138V	n20	5180	5179.94	-60000	-11.58	25	Pass
-20C 120V	n20	5180	5179.96	-40000	-7.72	25	Pass
-10C 120V	n20	5180	5179.96	-40000	-7.72	25	Pass
0C 120V	n20	5180	5179.92	-80000	-15.44	25	Pass
10C 120V	n20	5180	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	5179.94	-60000	-11.58	25	Pass
20C 102V	n20	5200	5199.94	-60000	-11.54	25	Pass
20C 120V	n20	5200	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	5200	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	5200	5199.96	-40000	-7.69	25	Pass
-10C 120V	n20	5200	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	5199.94	-60000	-11.54	25	Pass
10C 120V	n20	5200	5199.96	-40000	-7.69	25	Pass
30C 120V	n20	5200	5199.94	-60000	-11.54	25	Pass
40C 120V	n20	5200	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	5240	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	5239.94	-60000	-11.45	25	Pass
20C 138V	n20	5240	5239.94	-60000	-11.45	25	Pass
-20C 120V	n20	5240	5239.96	-40000	-7.63	25	Pass
-10C 120V	n20	5240	5239.96	-40000	-7.63	25	Pass
0C 120V	n20	5240	5239.94	-60000	-11.45	25	Pass
10C 120V	n20	5240	5239.94	-60000	-11.45	25	Pass



30C 120V	n20	5240	5239.96	-40000	-7.63	25	Pass
40C 120V	n20	5240	5239.94	-60000	-11.45	25	Pass
50C 120V	n20	5240	5239.96	-40000	-7.63	25	Pass
20C 102V	n40	5190	5189.96	-40000	-7.71	25	Pass
20C 120V	n40	5190	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	5189.92	-80000	-15.41	25	Pass
-20C 120V	n40	5190	5189.92	-80000	-15.41	25	Pass
-10C 120V	n40	5190	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	5189.92	-80000	-15.41	25	Pass
30C 120V	n40	5190	5190	0	0	25	Pass
40C 120V	n40	5190	5189.96	-40000	-7.71	25	Pass
50C 120V	n40	5190	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	5229.96	-40000	-7.65	25	Pass
20C 120V	n40	5230	5229.96	-40000	-7.65	25	Pass
20C 138V	n40	5230	5229.96	-40000	-7.65	25	Pass
-20C 120V	n40	5230	5230	0	0	25	Pass
-10C 120V	n40	5230	5229.92	-80000	-15.3	25	Pass
0C 120V	n40	5230	5229.96	-40000	-7.65	25	Pass
10C 120V	n40	5230	5229.96	-40000	-7.65	25	Pass
30C 120V	n40	5230	5230	0	0	25	Pass
40C 120V	n40	5230	5229.96	-40000	-7.65	25	Pass
50C 120V	n40	5230	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	5179.96	-40000	-7.72	25	Pass
20C 138V	ac20	5180	5179.96	-40000	-7.72	25	Pass
-20C 120V	ac20	5180	5179.98	-20000	-3.86	25	Pass
-10C 120V	ac20	5180	5179.96	-40000	-7.72	25	Pass
0C 120V	ac20	5180	5179.96	-40000	-7.72	25	Pass
10C 120V	ac20	5180	5179.96	-40000	-7.72	25	Pass
30C 120V	ac20	5180	5179.94	-60000	-11.58	25	Pass
40C 120V	ac20	5180	5179.96	-40000	-7.72	25	Pass
50C 120V	ac20	5180	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	5199.96	-40000	-7.69	25	Pass
20C 120V	ac20	5200	5199.92	-80000	-15.38	25	Pass
20C 138V	ac20	5200	5199.94	-60000	-11.54	25	Pass
-20C 120V	ac20	5200	5199.94	-60000	-11.54	25	Pass
-10C 120V	ac20	5200	5199.94	-60000	-11.54	25	Pass
0C 120V	ac20	5200	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	5200	5199.94	-60000	-11.54	25	Pass
30C 120V	ac20	5200	5199.94	-60000	-11.54	25	Pass
40C 120V	ac20	5200	5199.96	-40000	-7.69	25	Pass
50C 120V	ac20	5200	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	5239.92	-80000	-15.27	25	Pass
20C 120V	ac20	5240	5239.96	-40000	-7.63	25	Pass
20C 138V	ac20	5240	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	5240	5239.94	-60000	-11.45	25	Pass
-10C 120V	ac20	5240	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	5240	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	5239.96	-40000	-7.63	25	Pass
30C 120V	ac20	5240	5239.96	-40000	-7.63	25	Pass
40C 120V	ac20	5240	5239.94	-60000	-11.45	25	Pass
50C 120V	ac20	5240	5239.94	-60000	-11.45	25	Pass
20C 102V	ac40	5190	5189.92	-80000	-15.41	25	Pass
20C 120V	ac40	5190	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	5189.96	-40000	-7.71	25	Pass
-20C 120V	ac40	5190	5190	0	0	25	Pass
-10C 120V	ac40	5190	5190	0	0	25	Pass
0C 120V	ac40	5190	5190	0	0	25	Pass
10C 120V	ac40	5190	5189.92	-80000	-15.41	25	Pass
30C 120V	ac40	5190	5189.96	-40000	-7.71	25	Pass
40C 120V	ac40	5190	5190	0	0	25	Pass
50C 120V	ac40	5190	5189.92	-80000	-15.41	25	Pass
20C 102V	ac40	5230	5229.96	-40000	-7.65	25	Pass



20C 120V	ac40	5230	5229.92	-80000	-15.3	25	Pass
20C 138V	ac40	5230	5230	0	0	25	Pass
-20C 120V	ac40	5230	5229.92	-80000	-15.3	25	Pass
-10C 120V	ac40	5230	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	5230	5229.92	-80000	-15.3	25	Pass
10C 120V	ac40	5230	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	5230	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	5229.96	-40000	-7.65	25	Pass
20C 102V	ac80	5210	5210	0	0	25	Pass
20C 120V	ac80	5210	5209.92	-80000	-15.36	25	Pass
20C 138V	ac80	5210	5210	0	0	25	Pass
-20C 120V	ac80	5210	5210.16	160000	30.71	25	Pass
-10C 120V	ac80	5210	5209.68	-320000	-61.42	25	Pass
0C 120V	ac80	5210	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	5210	0	0	25	Pass
30C 120V	ac80	5210	5210	0	0	25	Pass
40C 120V	ac80	5210	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	5210	0	0	25	Pass