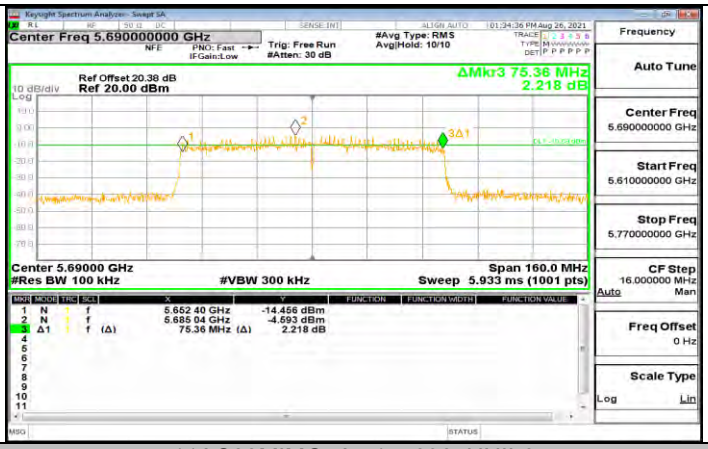
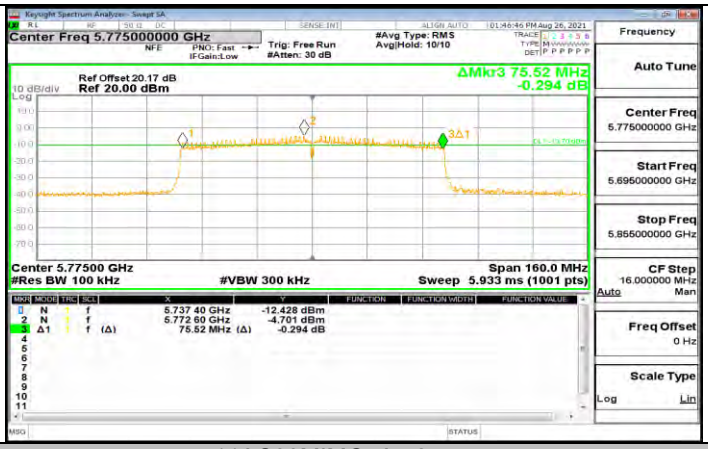


11AC80MIMO_Ant1_5690_UNII-3

11AC80MIMO_Ant2_5690_UNII-3

11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

13.4. Appendix B: Maximum conducted output power

13.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	16.09	<=23.98	PASS
	Ant2	5180	15.16	<=23.98	PASS
	Ant1	5200	16.05	<=23.98	PASS
	Ant2	5200	15.11	<=23.98	PASS
	Ant1	5240	15.98	<=23.98	PASS
	Ant2	5240	15.10	<=23.98	PASS
	Ant1	5260	15.60	<=23.98	PASS
	Ant2	5260	15.28	<=23.95	PASS
	Ant1	5280	15.36	<=23.90	PASS
	Ant2	5280	15.14	<=23.91	PASS
	Ant1	5320	15.26	<=23.91	PASS
	Ant2	5320	15.14	<=23.94	PASS
	Ant1	5500	15.68	<=23.90	PASS
	Ant2	5500	15.47	<=23.97	PASS
	Ant1	5580	16.14	<=23.98	PASS
	Ant2	5580	15.36	<=23.98	PASS
	Ant1	5700	15.59	<=23.98	PASS
	Ant2	5700	15.22	<=23.97	PASS
	Ant1	5720_UNII-2C	14.48	<=22.63	PASS
	Ant2	5720_UNII-2C	14.13	<=22.70	PASS
	Ant1	5720_UNII-3	7.01	<=30	PASS
	Ant2	5720_UNII-3	6.46	<=30	PASS
	Ant1	5745	14.59	<=30	PASS
	Ant2	5745	14.82	<=30	PASS
	Ant1	5785	14.64	<=30	PASS
	Ant2	5785	14.93	<=30	PASS
	Ant1	5825	14.70	<=30	PASS
	Ant2	5825	14.82	<=30	PASS
11N20MIMO	Ant1	5180	15.30	<=23.98	PASS
	Ant2	5180	16.10	<=23.98	PASS
	total	5180	18.73	<=23.98	PASS
	Ant1	5200	15.26	<=23.98	PASS
	Ant2	5200	16.16	<=23.98	PASS
	total	5200	18.74	<=23.98	PASS
	Ant1	5240	15.26	<=23.98	PASS
	Ant2	5240	16.14	<=23.98	PASS
	total	5240	18.73	<=23.98	PASS
	Ant1	5260	15.18	<=23.98	PASS
	Ant2	5260	16.08	<=23.98	PASS
	total	5260	18.66	<=23.98	PASS
	Ant1	5280	14.96	<=23.98	PASS
	Ant2	5280	15.95	<=23.98	PASS
	total	5280	18.49	<=23.98	PASS
	Ant1	5320	15.04	<=23.98	PASS
	Ant2	5320	16.08	<=23.94	PASS
	total	5320	18.60	<=23.94	PASS
	Ant1	5500	16.08	<=23.98	PASS
	Ant2	5500	16.99	<=23.98	PASS
	total	5500	19.57	<=23.98	PASS
	Ant1	5580	15.59	<=23.98	PASS
	Ant2	5580	16.47	<=23.98	PASS
	total	5580	19.06	<=23.98	PASS

	Ant1	5700	14.45	<=23.96	PASS
	Ant2	5700	16.20	<=23.98	PASS
	total	5700	18.42	<=23.98	PASS
	Ant1	5720_UNII-2C	13.45	<=22.70	PASS
	Ant2	5720_UNII-2C	14.69	<=22.62	PASS
	total	5720_UNII-2C	17.12	<=22.62	PASS
	Ant1	5720_UNII-3	7.02	<=30	PASS
	Ant2	5720_UNII-3	8.26	<=30	PASS
	total	5720_UNII-3	10.69	<=30	PASS
	Ant1	5745	14.23	<=30	PASS
	Ant2	5745	15.75	<=30	PASS
	total	5745	18.07	<=30	PASS
	Ant1	5785	14.37	<=30	PASS
	Ant2	5785	15.75	<=30	PASS
	total	5785	18.12	<=30	PASS
	Ant1	5825	14.36	<=30	PASS
	Ant2	5825	15.32	<=30	PASS
	total	5825	17.88	<=30	PASS
11N40MIMO	Ant1	5190	15.11	<=23.98	PASS
	Ant2	5190	16.76	<=23.98	PASS
	total	5190	19.02	<=23.98	PASS
	Ant1	5230	15.59	<=23.98	PASS
	Ant2	5230	16.91	<=23.98	PASS
	total	5230	19.31	<=23.98	PASS
	Ant1	5270	15.03	<=23.98	PASS
	Ant2	5270	16.39	<=23.98	PASS
	total	5270	18.77	<=23.98	PASS
	Ant1	5310	14.96	<=23.98	PASS
	Ant2	5310	16.22	<=23.98	PASS
	total	5310	18.65	<=23.98	PASS
	Ant1	5510	15.55	<=23.98	PASS
	Ant2	5510	15.71	<=23.98	PASS
	total	5510	18.64	<=23.98	PASS
	Ant1	5550	15.60	<=23.98	PASS
	Ant2	5550	16.31	<=23.98	PASS
	total	5550	18.98	<=23.98	PASS
	Ant1	5670	15.38	<=23.98	PASS
	Ant2	5670	16.34	<=23.98	PASS
	total	5670	18.90	<=23.98	PASS
	Ant1	5710_UNII-2C	15.38	<=23.98	PASS
	Ant2	5710_UNII-2C	16.39	<=23.98	PASS
	total	5710_UNII-2C	18.92	<=23.98	PASS
	Ant1	5710_UNII-3	2.93	<=30	PASS
	Ant2	5710_UNII-3	3.97	<=30	PASS
	total	5710_UNII-3	6.49	<=30	PASS
	Ant1	5755	14.92	<=30	PASS
	Ant2	5755	15.83	<=30	PASS
	total	5755	18.41	<=30	PASS
	Ant1	5795	14.88	<=30	PASS
	Ant2	5795	15.87	<=30	PASS
	total	5795	18.41	<=30	PASS
11AC20MIMO	Ant1	5180	16.59	<=23.98	PASS
	Ant2	5180	17.15	<=23.98	PASS
	total	5180	19.89	<=23.98	PASS
	Ant1	5200	16.55	<=23.98	PASS
	Ant2	5200	17.16	<=23.98	PASS
	total	5200	19.88	<=23.98	PASS
	Ant1	5240	16.43	<=23.98	PASS
	Ant2	5240	16.95	<=23.98	PASS
	total	5240	19.71	<=23.98	PASS

	Ant1	5260	15.84	<=23.98	PASS
	Ant2	5260	16.33	<=23.98	PASS
	total	5260	19.10	<=23.98	PASS
	Ant1	5280	15.60	<=23.91	PASS
	Ant2	5280	16.12	<=23.98	PASS
	total	5280	18.88	<=23.98	PASS
	Ant1	5320	15.72	<=23.97	PASS
	Ant2	5320	16.26	<=23.96	PASS
	total	5320	19.01	<=23.96	PASS
	Ant1	5500	16.04	<=23.98	PASS
	Ant2	5500	16.54	<=23.88	PASS
	total	5500	19.31	<=23.88	PASS
	Ant1	5580	16.33	<=23.98	PASS
	Ant2	5580	17.14	<=23.95	PASS
	total	5580	19.76	<=23.95	PASS
	Ant1	5700	15.74	<=23.98	PASS
	Ant2	5700	16.69	<=23.98	PASS
	total	5700	19.25	<=23.98	PASS
	Ant1	5720_UNII-2C	14.53	<=22.64	PASS
	Ant2	5720_UNII-2C	15.45	<=22.61	PASS
	total	5720_UNII-2C	18.02	<=22.61	PASS
	Ant1	5720_UNII-3	8.01	<=30	PASS
	Ant2	5720_UNII-3	9.09	<=30	PASS
	total	5720_UNII-3	11.59	<=30	PASS
	Ant1	5745	14.71	<=30	PASS
	Ant2	5745	15.67	<=30	PASS
	total	5745	18.23	<=30	PASS
	Ant1	5785	14.72	<=30	PASS
	Ant2	5785	15.73	<=30	PASS
	total	5785	18.26	<=30	PASS
	Ant1	5825	14.71	<=30	PASS
	Ant2	5825	15.70	<=30	PASS
	total	5825	18.24	<=30	PASS
11AC40MIMO	Ant1	5190	16.69	<=23.98	PASS
	Ant2	5190	17.33	<=23.98	PASS
	total	5190	20.03	<=23.98	PASS
	Ant1	5230	16.72	<=23.98	PASS
	Ant2	5230	17.31	<=23.98	PASS
	total	5230	20.04	<=23.98	PASS
	Ant1	5270	16.06	<=23.98	PASS
	Ant2	5270	16.58	<=23.98	PASS
	total	5270	19.34	<=23.98	PASS
	Ant1	5310	15.75	<=23.98	PASS
	Ant2	5310	16.34	<=23.98	PASS
	total	5310	19.07	<=23.98	PASS
	Ant1	5510	16.13	<=23.98	PASS
	Ant2	5510	16.81	<=23.98	PASS
	total	5510	19.49	<=23.98	PASS
	Ant1	5550	16.56	<=23.98	PASS
	Ant2	5550	17.33	<=23.98	PASS
	total	5550	19.97	<=23.98	PASS
	Ant1	5670	16.03	<=23.98	PASS
	Ant2	5670	16.95	<=23.98	PASS
	total	5670	19.52	<=23.98	PASS
	Ant1	5710_UNII-2C	15.83	<=23.98	PASS
	Ant2	5710_UNII-2C	16.75	<=23.98	PASS
	total	5710_UNII-2C	19.32	<=23.98	PASS
	Ant1	5710_UNII-3	3.65	<=30	PASS
	Ant2	5710_UNII-3	4.69	<=30	PASS
	total	5710_UNII-3	7.21	<=30	PASS

	Ant1	5755	14.09	<=30	PASS
	Ant2	5755	14.39	<=30	PASS
	total	5755	17.25	<=30	PASS
	Ant1	5795	14.06	<=30	PASS
	Ant2	5795	14.29	<=30	PASS
	total	5795	17.19	<=30	PASS
11AC80MIMO	Ant1	5210	12.71	<=23.98	PASS
	Ant2	5210	12.05	<=23.98	PASS
	total	5210	15.40	<=23.98	PASS
	Ant1	5290	12.44	<=23.98	PASS
	Ant2	5290	11.73	<=23.98	PASS
	total	5290	15.11	<=23.98	PASS
	Ant1	5530	13.39	<=23.98	PASS
	Ant2	5530	13.07	<=23.98	PASS
	total	5530	16.24	<=23.98	PASS
	Ant1	5610	12.89	<=23.98	PASS
	Ant2	5610	12.96	<=23.98	PASS
	total	5610	15.94	<=23.98	PASS
	Ant1	5690_UNII-2C	12.48	<=23.98	PASS
	Ant2	5690_UNII-2C	12.52	<=23.98	PASS
	total	5690_UNII-2C	15.51	<=23.98	PASS
	Ant1	5690_UNII-3	-2.63	<=30	PASS
	Ant2	5690_UNII-3	-2.79	<=30	PASS
	total	5690_UNII-3	0.30	<=30	PASS
	Ant1	5775	11.92	<=30	PASS
	Ant2	5775	11.87	<=30	PASS
	total	5775	14.91	<=30	PASS

Note：The Duty Cycle Factor is compensated in the graph.

13.5. Appendix C: Maximum power spectral density

13.5.1. Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.95	<=11	PASS
	Ant2	5180	4.9	<=11	PASS
	Ant1	5200	5.75	<=11	PASS
	Ant2	5200	5.09	<=11	PASS
	Ant1	5240	6	<=11	PASS
	Ant2	5240	5.2	<=11	PASS
	Ant1	5260	5.61	<=11	PASS
	Ant2	5260	5.25	<=11	PASS
	Ant1	5280	5.44	<=11	PASS
	Ant2	5280	5.03	<=11	PASS
	Ant1	5320	5.3	<=11	PASS
	Ant2	5320	4.99	<=11	PASS
	Ant1	5500	5.7	<=11	PASS
	Ant2	5500	5.19	<=11	PASS
	Ant1	5580	6.1	<=11	PASS
	Ant2	5580	5.39	<=11	PASS
	Ant1	5700	5.32	<=11	PASS
	Ant2	5700	4.99	<=11	PASS
	Ant1	5720_UNII-2C	5.48	<=11	PASS
	Ant2	5720_UNII-2C	4.93	<=11	PASS
	Ant1	5720_UNII-3	0.03	<=11	PASS
	Ant2	5720_UNII-3	0.16	<=11	PASS
	Ant1	5745	1.74	<=30	PASS
	Ant2	5745	2.21	<=30	PASS
	Ant1	5785	1.76	<=30	PASS
	Ant2	5785	2.41	<=30	PASS
	Ant1	5825	1.9	<=30	PASS
	Ant2	5825	2.08	<=30	PASS
11N20MIMO	Ant1	5180	4.95	<=11	PASS
	Ant2	5180	5.86	<=11	PASS
	total	5180	8.44	<=11	PASS
	Ant1	5200	5.03	<=11	PASS
	Ant2	5200	5.97	<=11	PASS
	total	5200	8.54	<=11	PASS
	Ant1	5240	4.88	<=11	PASS
	Ant2	5240	6	<=11	PASS
	total	5240	8.49	<=11	PASS
	Ant1	5260	4.8	<=11	PASS
	Ant2	5260	5.72	<=11	PASS
	total	5260	8.29	<=11	PASS
	Ant1	5280	4.63	<=11	PASS
	Ant2	5280	5.57	<=11	PASS
	total	5280	8.14	<=11	PASS
	Ant1	5320	4.62	<=11	PASS
	Ant2	5320	5.58	<=11	PASS
	total	5320	8.14	<=11	PASS
	Ant1	5500	5.72	<=11	PASS
	Ant2	5500	6.76	<=11	PASS
	total	5500	9.28	<=11	PASS
	Ant1	5580	4.48	<=11	PASS
	Ant2	5580	6.17	<=11	PASS
	total	5580	8.42	<=11	PASS
	Ant1	5700	4.11	<=11	PASS

	Ant2	5700	5.79	<=11	PASS
	total	5700	8.04	<=11	PASS
	Ant1	5720_UNII-2C	4.37	<=11	PASS
	Ant2	5720_UNII-2C	5.41	<=11	PASS
	total	5720_UNII-2C	7.93	<=11	PASS
	Ant1	5720_UNII-3	-0.21	<=11	PASS
	Ant2	5720_UNII-3	1.3	<=11	PASS
	total	5720_UNII-3	3.62	<=11	PASS
	Ant1	5745	1.51	<=30	PASS
	Ant2	5745	2.5	<=30	PASS
	total	5745	5.04	<=30	PASS
	Ant1	5785	1.42	<=30	PASS
	Ant2	5785	2.7	<=30	PASS
	total	5785	5.12	<=30	PASS
	Ant1	5825	0.99	<=30	PASS
	Ant2	5825	2.44	<=30	PASS
	total	5825	4.79	<=30	PASS
11N40MIMO	Ant1	5190	2.08	<=11	PASS
	Ant2	5190	3.62	<=11	PASS
	total	5190	5.93	<=11	PASS
	Ant1	5230	2.62	<=11	PASS
	Ant2	5230	3.64	<=11	PASS
	total	5230	6.17	<=11	PASS
	Ant1	5270	1.72	<=11	PASS
	Ant2	5270	3.5	<=11	PASS
	total	5270	5.71	<=11	PASS
	Ant1	5310	1.8	<=11	PASS
	Ant2	5310	3.08	<=11	PASS
	total	5310	5.50	<=11	PASS
	Ant1	5510	2.47	<=11	PASS
	Ant2	5510	2.4	<=11	PASS
	total	5510	5.45	<=11	PASS
	Ant1	5550	2.26	<=11	PASS
	Ant2	5550	3.1	<=11	PASS
	total	5550	5.71	<=11	PASS
	Ant1	5670	2.21	<=11	PASS
	Ant2	5670	2.86	<=11	PASS
	total	5670	5.56	<=11	PASS
	Ant1	5710_UNII-2C	2.63	<=11	PASS
	Ant2	5710_UNII-2C	3.39	<=11	PASS
	total	5710_UNII-2C	6.04	<=11	PASS
	Ant1	5710_UNII-3	-3.61	<=11	PASS
	Ant2	5710_UNII-3	-2.62	<=11	PASS
	total	5710_UNII-3	-0.08	<=11	PASS
	Ant1	5755	-0.97	<=30	PASS
	Ant2	5755	-0.13	<=30	PASS
	total	5755	2.48	<=30	PASS
	Ant1	5795	-1.27	<=30	PASS
	Ant2	5795	-0.35	<=30	PASS
	total	5795	2.22	<=30	PASS
11AC20MIMO	Ant1	5180	6.42	<=11	PASS
	Ant2	5180	6.87	<=11	PASS
	total	5180	9.66	<=11	PASS
	Ant1	5200	6.13	<=11	PASS
	Ant2	5200	6.72	<=11	PASS
	total	5200	9.45	<=11	PASS
	Ant1	5240	6.25	<=11	PASS
	Ant2	5240	6.82	<=11	PASS
	total	5240	9.55	<=11	PASS
	Ant1	5260	5.64	<=11	PASS

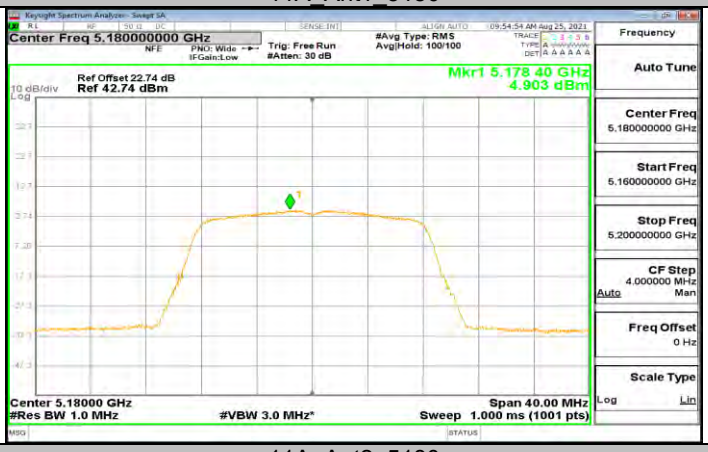
	Ant2	5260	5.98	<=11	PASS
	total	5260	8.82	<=11	PASS
	Ant1	5280	5.61	<=11	PASS
	Ant2	5280	5.99	<=11	PASS
	total	5280	8.81	<=11	PASS
	Ant1	5320	5.48	<=11	PASS
	Ant2	5320	6.08	<=11	PASS
	total	5320	8.80	<=11	PASS
	Ant1	5500	5.65	<=11	PASS
	Ant2	5500	6.27	<=11	PASS
	total	5500	8.98	<=11	PASS
	Ant1	5580	6.23	<=11	PASS
	Ant2	5580	7.19	<=11	PASS
	total	5580	9.75	<=11	PASS
	Ant1	5700	5.29	<=11	PASS
	Ant2	5700	6.31	<=11	PASS
	total	5700	8.84	<=11	PASS
	Ant1	5720_UNII-2C	5.19	<=11	PASS
	Ant2	5720_UNII-2C	6.35	<=11	PASS
	total	5720_UNII-2C	8.82	<=11	PASS
	Ant1	5720_UNII-3	0.55	<=11	PASS
	Ant2	5720_UNII-3	1.53	<=11	PASS
	total	5720_UNII-3	4.08	<=11	PASS
	Ant1	5745	1.71	<=30	PASS
	Ant2	5745	2.41	<=30	PASS
	total	5745	5.08	<=30	PASS
	Ant1	5785	1.87	<=30	PASS
	Ant2	5785	2.81	<=30	PASS
	total	5785	5.38	<=30	PASS
	Ant1	5825	1.88	<=30	PASS
	Ant2	5825	2.75	<=30	PASS
	total	5825	5.35	<=30	PASS
11AC40MIMO	Ant1	5190	3.41	<=11	PASS
	Ant2	5190	4.12	<=11	PASS
	total	5190	6.79	<=11	PASS
	Ant1	5230	3.8	<=11	PASS
	Ant2	5230	4.08	<=11	PASS
	total	5230	6.95	<=11	PASS
	Ant1	5270	2.96	<=11	PASS
	Ant2	5270	3.28	<=11	PASS
	total	5270	6.13	<=11	PASS
	Ant1	5310	2.65	<=11	PASS
	Ant2	5310	3.33	<=11	PASS
	total	5310	6.01	<=11	PASS
	Ant1	5510	2.87	<=11	PASS
	Ant2	5510	3.55	<=11	PASS
	total	5510	6.23	<=11	PASS
	Ant1	5550	3.47	<=11	PASS
	Ant2	5550	3.96	<=11	PASS
	total	5550	6.73	<=11	PASS
	Ant1	5670	2.58	<=11	PASS
	Ant2	5670	3.85	<=11	PASS
	total	5670	6.27	<=11	PASS
	Ant1	5710_UNII-2C	2.99	<=11	PASS
	Ant2	5710_UNII-2C	3.75	<=11	PASS
	total	5710_UNII-2C	6.40	<=11	PASS
	Ant1	5710_UNII-3	-3.13	<=11	PASS
	Ant2	5710_UNII-3	-1.84	<=11	PASS
	total	5710_UNII-3	0.57	<=11	PASS
	Ant1	5755	-1.95	<=30	PASS

	Ant2	5755	-1.58	<=30	PASS
	total	5755	1.25	<=30	PASS
	Ant1	5795	-2.06	<=30	PASS
	Ant2	5795	-1.64	<=30	PASS
	total	5795	1.17	<=30	PASS
11AC80MIMO	Ant1	5210	-2.98	<=11	PASS
	Ant2	5210	-4.14	<=11	PASS
	total	5210	-0.51	<=11	PASS
	Ant1	5290	-3.57	<=11	PASS
	Ant2	5290	-4.82	<=11	PASS
	total	5290	-1.14	<=11	PASS
	Ant1	5530	-2.6	<=11	PASS
	Ant2	5530	-3.14	<=11	PASS
	total	5530	0.15	<=11	PASS
	Ant1	5610	-3.28	<=11	PASS
	Ant2	5610	-3.49	<=11	PASS
	total	5610	-0.37	<=11	PASS
	Ant1	5690_UNII-2C	-4.03	<=11	PASS
	Ant2	5690_UNII-2C	-3.6	<=11	PASS
	total	5690_UNII-2C	-0.80	<=11	PASS
	Ant1	5690_UNII-3	-10.29	<=11	PASS
	Ant2	5690_UNII-3	-9.61	<=11	PASS
	total	5690_UNII-3	-6.93	<=11	PASS
	Ant1	5775	-7.08	<=30	PASS
	Ant2	5775	-6.89	<=30	PASS
	total	5775	-3.97	<=30	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

13.5.1. Test Graphs

11A_Ant1_5180



11A_Ant2_5180

11A_Ant1_5200

11A_Ant2_5200

11A_Ant1_5240

11A_Ant2_5240

11A_Ant1_5260

11A_Ant2_5260

11A_Ant1_5280

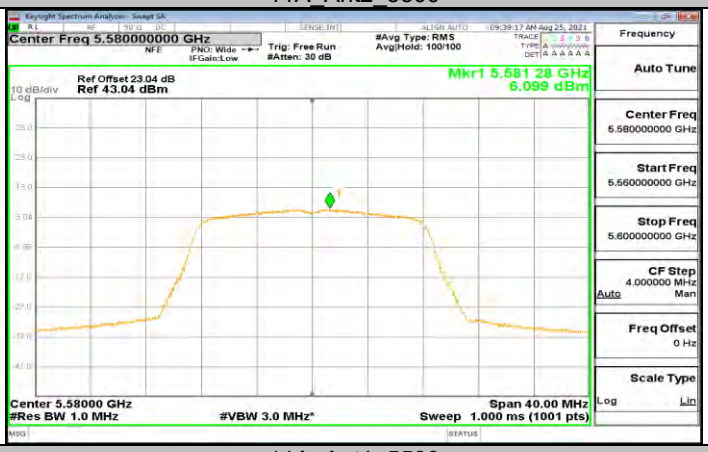
11A_Ant2_5280

11A_Ant1_5320

11A_Ant2_5320

11A_Ant1_5500

11A_Ant2_5500



11A_Ant1_5580

11A_Ant2_5580

11A_Ant1_5700

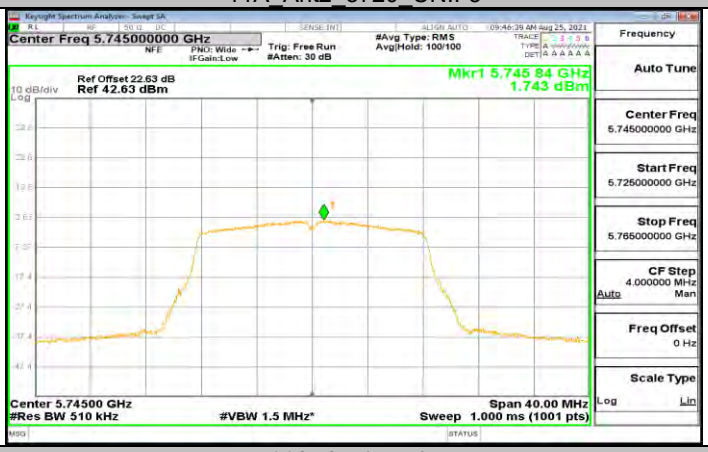
11A_Ant2_5700

11A_Ant1_5720_UNII-2C

11A_Ant2_5720_UNII-2C

11A_Ant1_5720_UNII-3

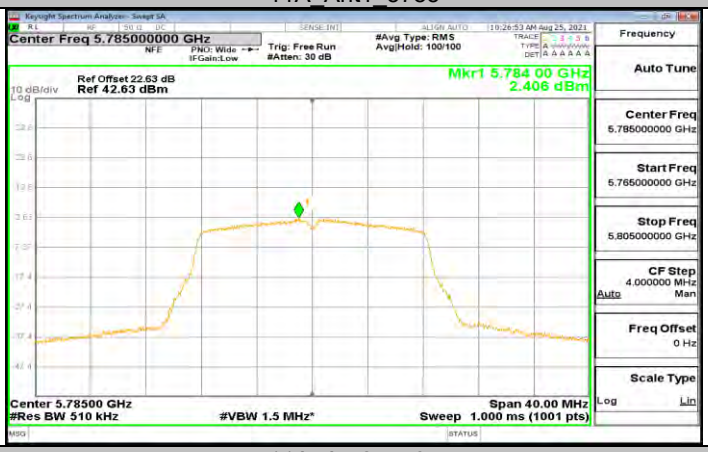
11A_Ant2_5720_UNII-3



11A_Ant1_5745

11A_Ant2_5745

11A_Ant1_5785



11A_Ant2_5785

11A_Ant1_5825

11A_Ant2_5825

11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180

11N20MIMO_Ant1_5200

11N20MIMO_Ant2_5200

11N20MIMO_Ant1_5240

11N20MIMO_Ant2_5240

11N20MIMO_Ant1_5260

11N20MIMO_Ant2_5260

11N20MIMO_Ant1_5280

11N20MIMO_Ant2_5280

11N20MIMO_Ant1_5320

11N20MIMO_Ant2_5320

11N20MIMO_Ant1_5500

11N20MIMO_Ant2_5500

11N20MIMO_Ant1_5580

11N20MIMO_Ant2_5580

11N20MIMO_Ant1_5700

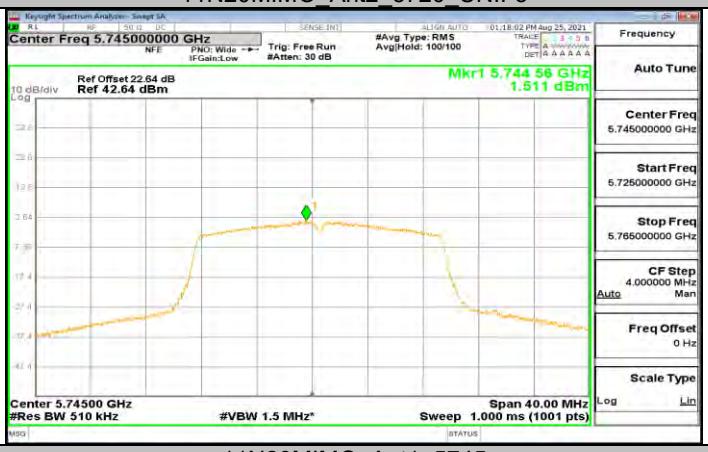
11N20MIMO_Ant2_5700

11N20MIMO_Ant1_5720_UNII-2C

11N20MIMO_Ant2_5720_UNII-2C

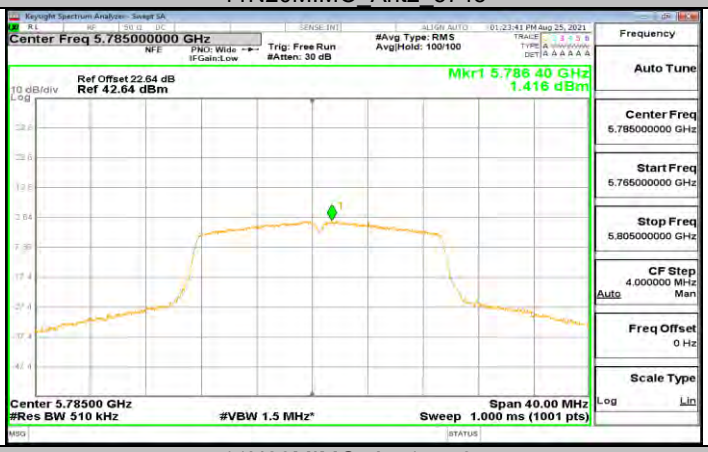
11N20MIMO_Ant1_5720_UNII-3

11N20MIMO_Ant2_5720_UNII-3



11N20MIMO_Ant1_5745

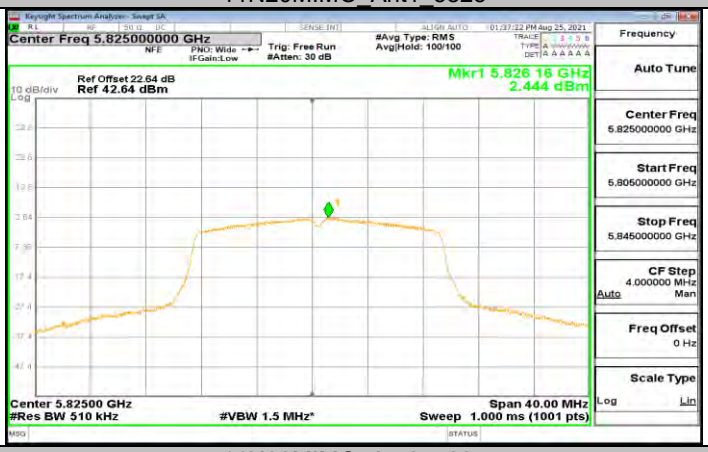
11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785

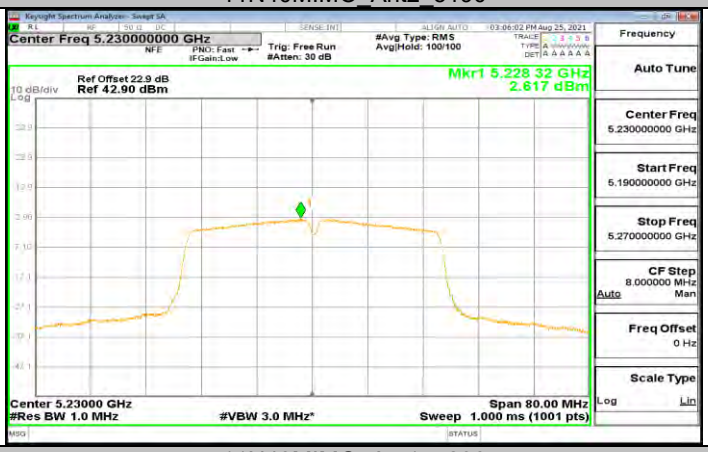
11N20MIMO_Ant1_5825



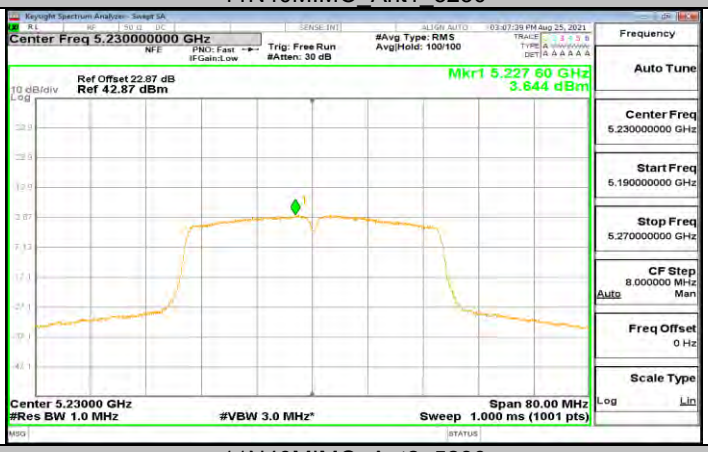
11N20MIMO_Ant2_5825

11N40MIMO_Ant1_5190

11N40MIMO_Ant2_5190

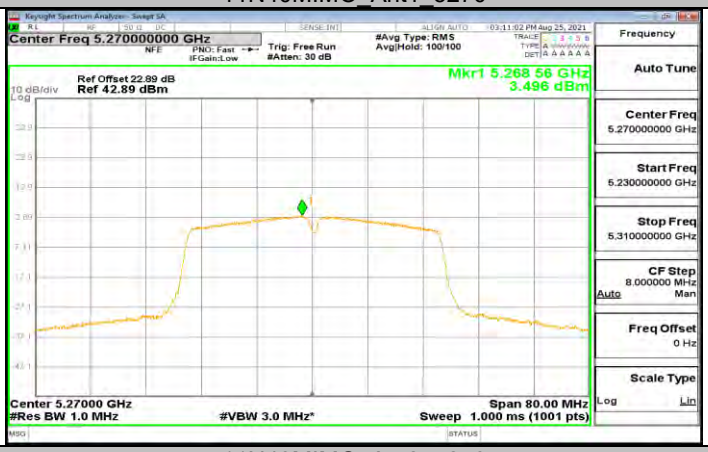


11N40MIMO_Ant1_5230

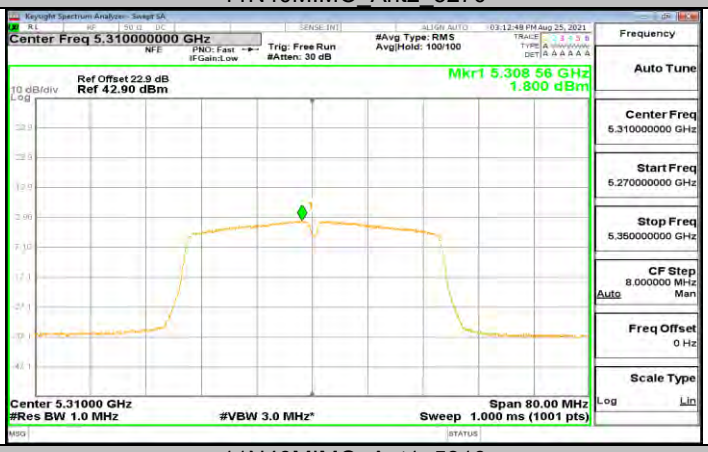


11N40MIMO_Ant2_5230

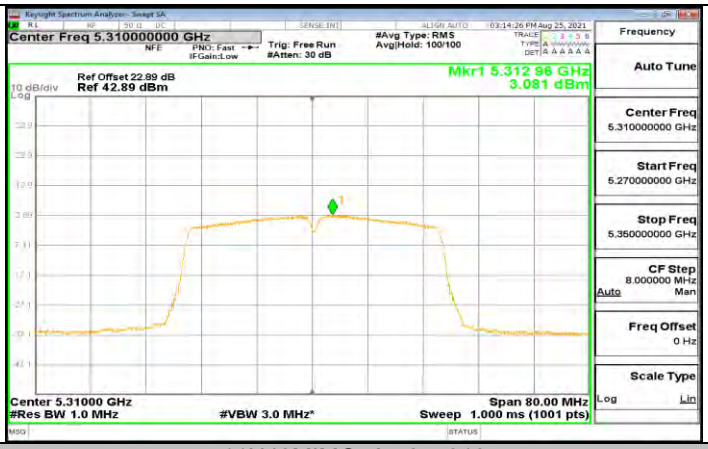
11N40MIMO_Ant1_5270



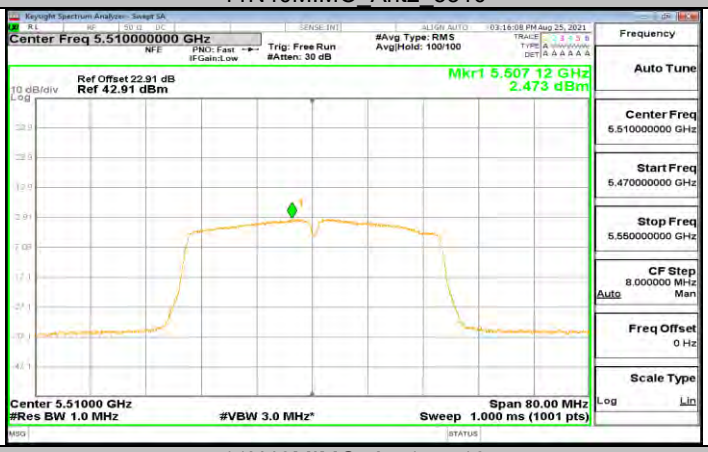
11N40MIMO_Ant2_5270



11N40MIMO_Ant1_5310



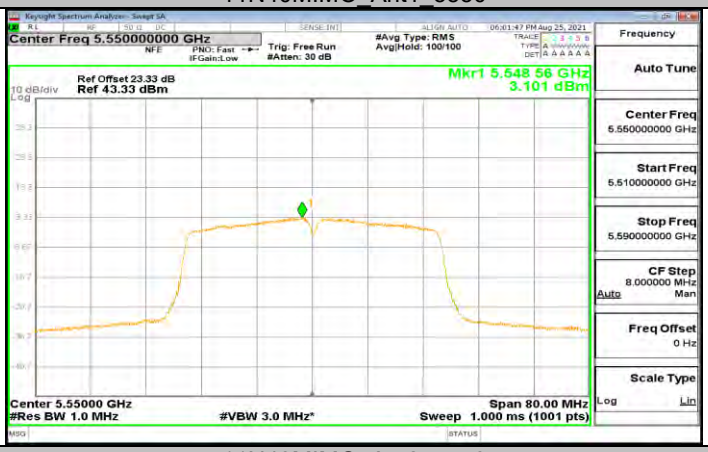
11N40MIMO_Ant2_5310



11N40MIMO_Ant1_5510

11N40MIMO_Ant2_5510

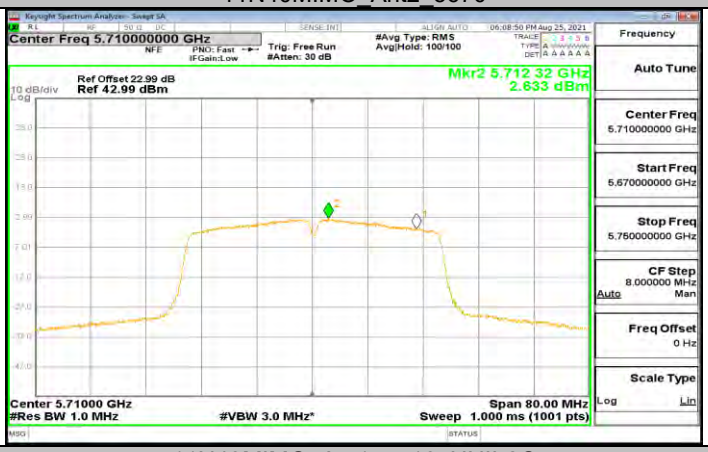
11N40MIMO_Ant1_5550



11N40MIMO_Ant2_5550

11N40MIMO_Ant1_5670

11N40MIMO_Ant2_5670



11N40MIMO_Ant1_5710_UNII-2C

11N40MIMO_Ant2_5710_UNII-2C

11N40MIMO_Ant1_5710_UNII-3

11N40MIMO_Ant2_5710_UNII-3

11N40MIMO_Ant1_5755

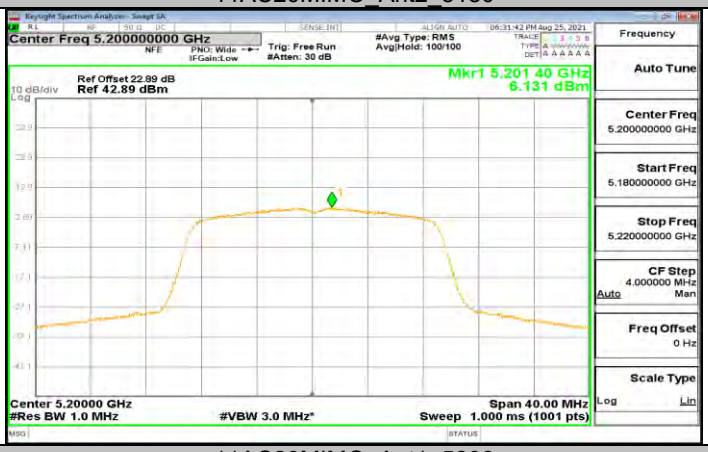
11N40MIMO_Ant2_5755

11N40MIMO_Ant1_5795

11N40MIMO_Ant2_5795

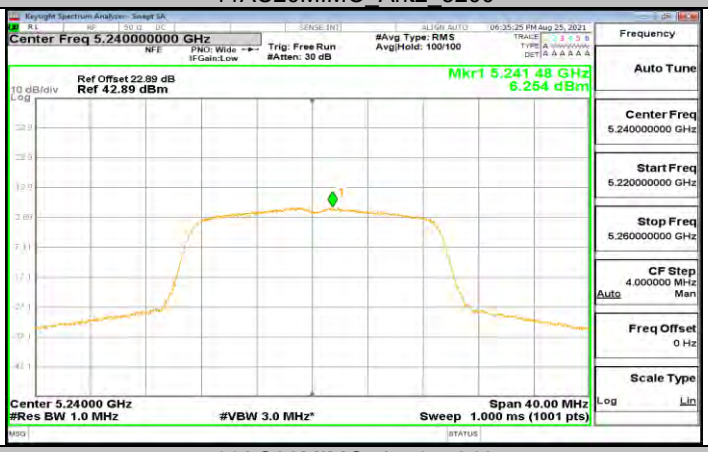
11AC20MIMO_Ant1_5180

11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200

11AC20MIMO_Ant2_5200

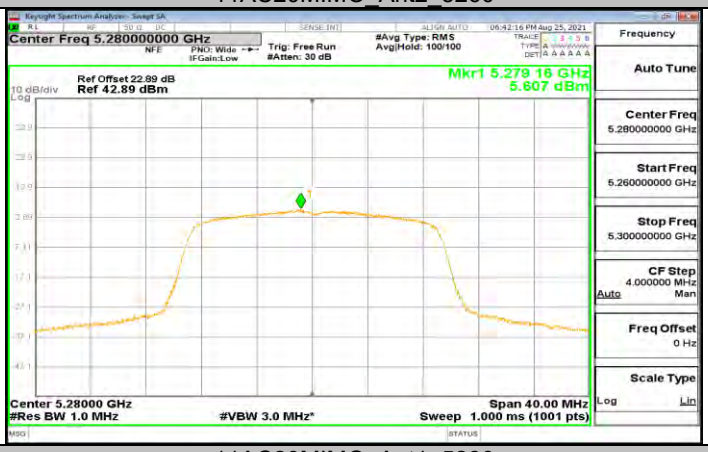


11AC20MIMO_Ant1_5240

11AC20MIMO_Ant2_5240

11AC20MIMO_Ant1_5260

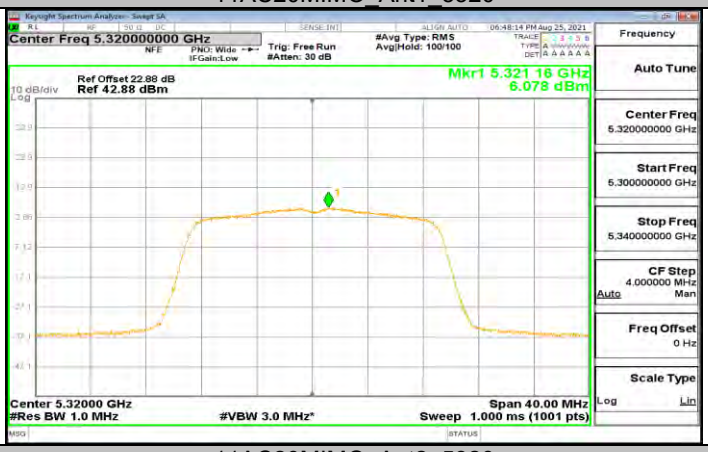
11AC20MIMO_Ant2_5260



11AC20MIMO_Ant1_5280

11AC20MIMO_Ant2_5280

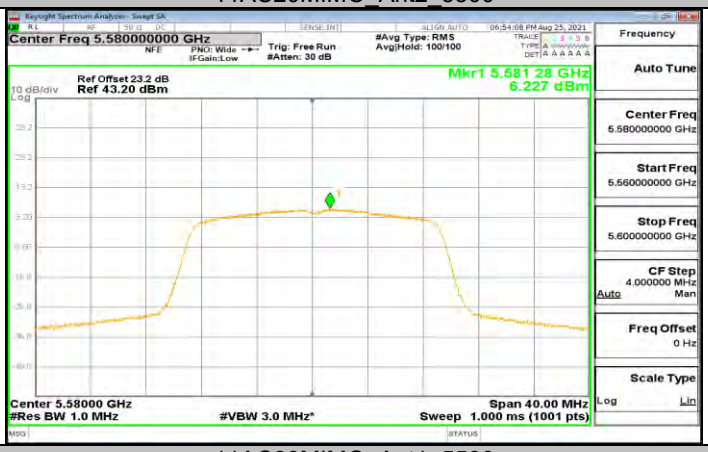
11AC20MIMO_Ant1_5320



11AC20MIMO_Ant2_5320

11AC20MIMO_Ant1_5500

11AC20MIMO_Ant2_5500



11AC20MIMO_Ant1_5580

11AC20MIMO_Ant2_5580

11AC20MIMO_Ant1_5700

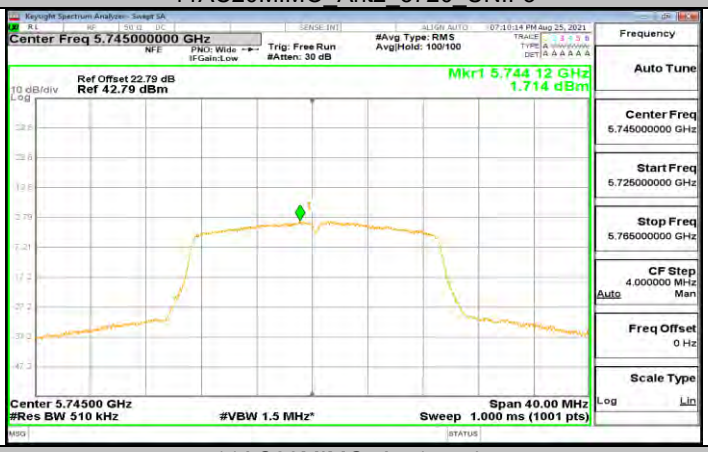
11AC20MIMO_Ant2_5700

11AC20MIMO_Ant1_5720_UNII-2C

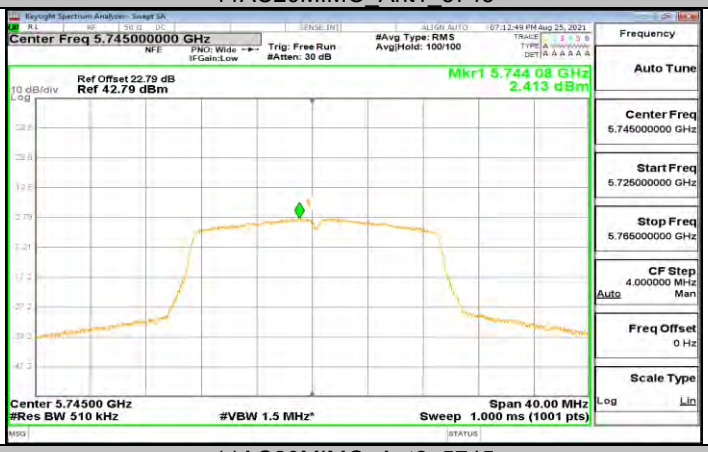
11AC20MIMO_Ant2_5720_UNII-2C

11AC20MIMO_Ant1_5720_UNII-3

11AC20MIMO_Ant2_5720_UNII-3

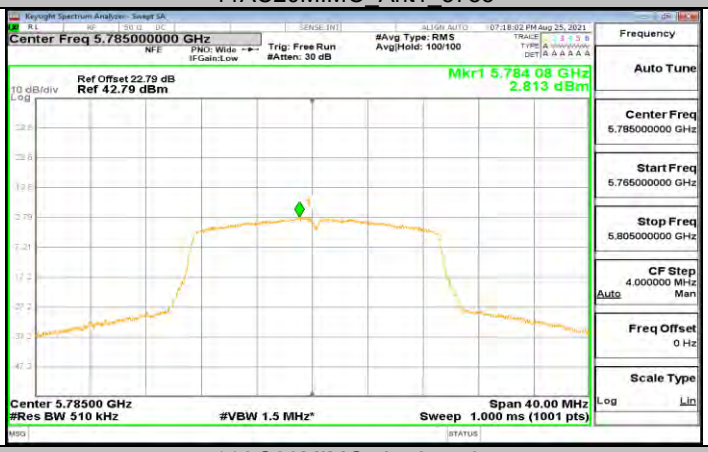


11AC20MIMO_Ant1_5745

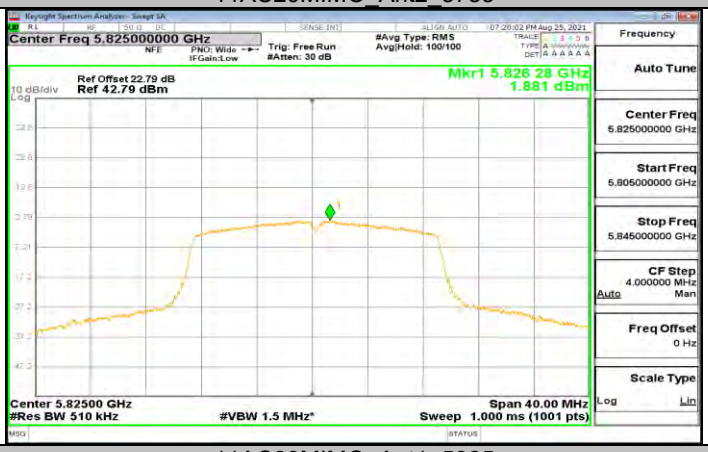


11AC20MIMO_Ant2_5745

11AC20MIMO_Ant1_5785

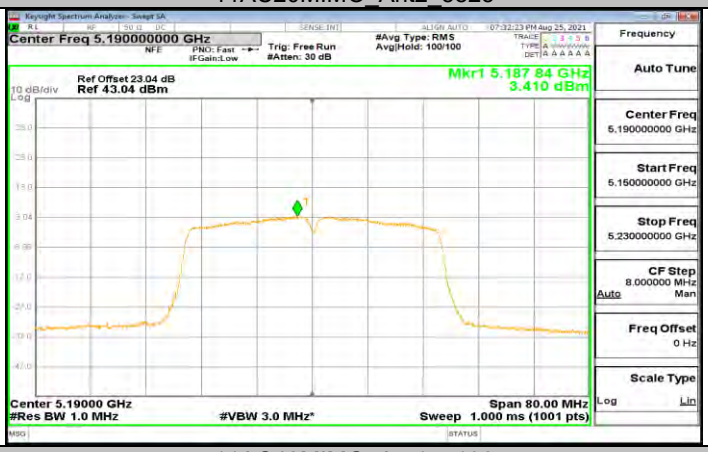


11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825

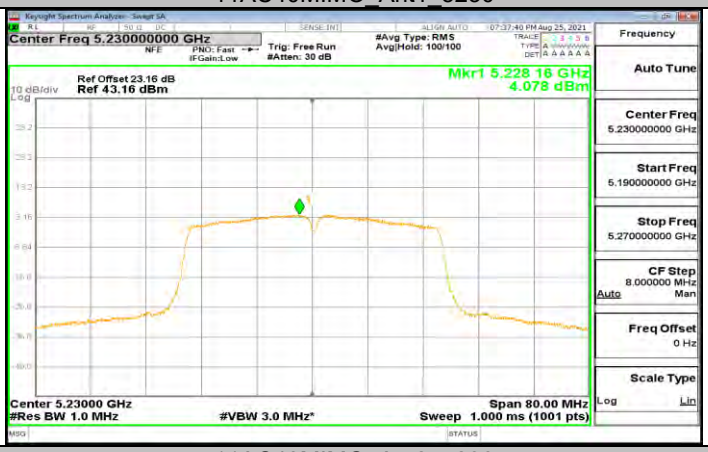
11AC20MIMO_Ant2_5825



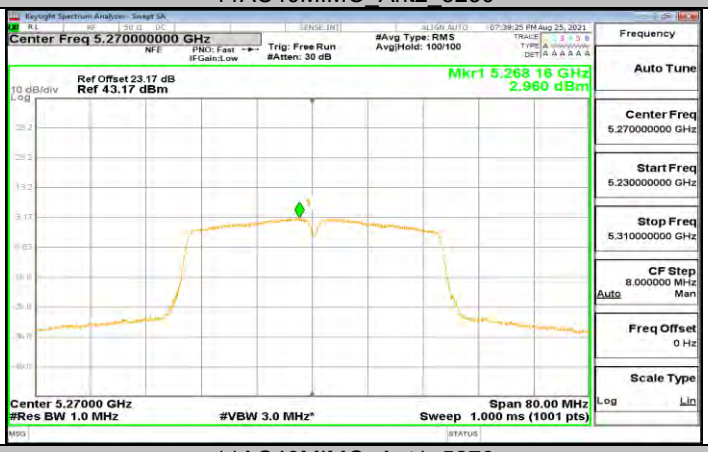
11AC40MIMO_Ant1_5190

11AC40MIMO_Ant2_5190

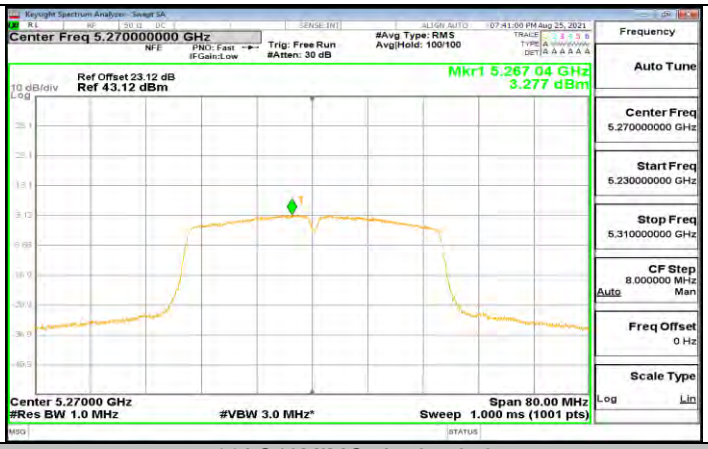
11AC40MIMO_Ant1_5230



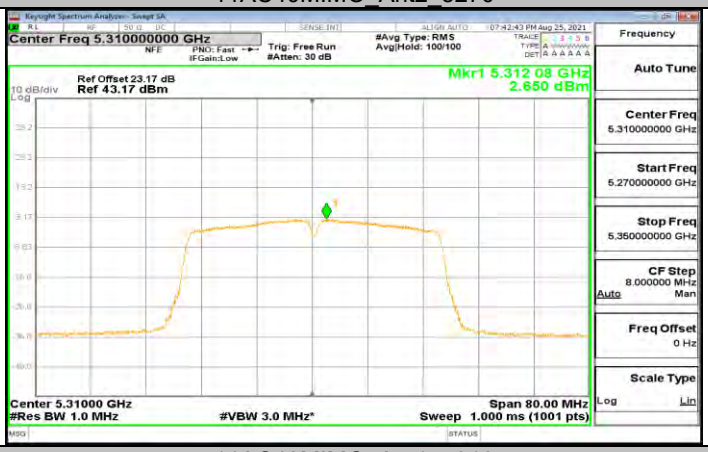
11AC40MIMO_Ant2_5230



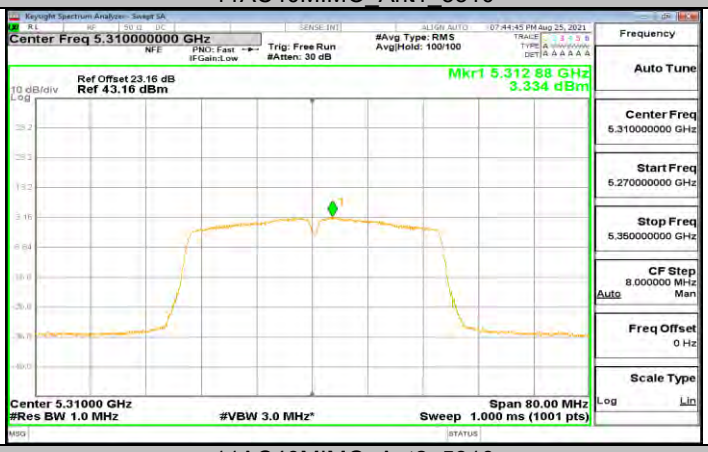
11AC40MIMO_Ant1_5270



11AC40MIMO_Ant2_5270

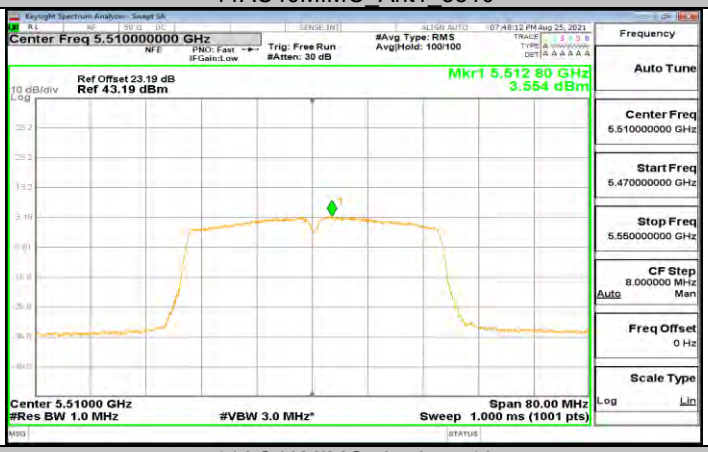


11AC40MIMO_Ant1_5310

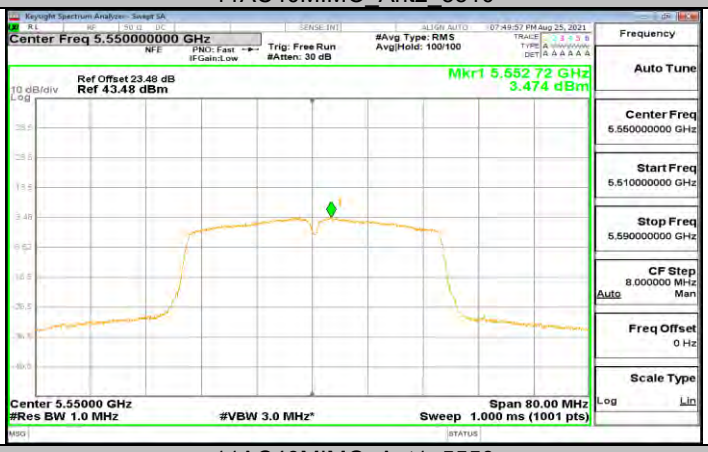


11AC40MIMO_Ant2_5310

11AC40MIMO_Ant1_5510

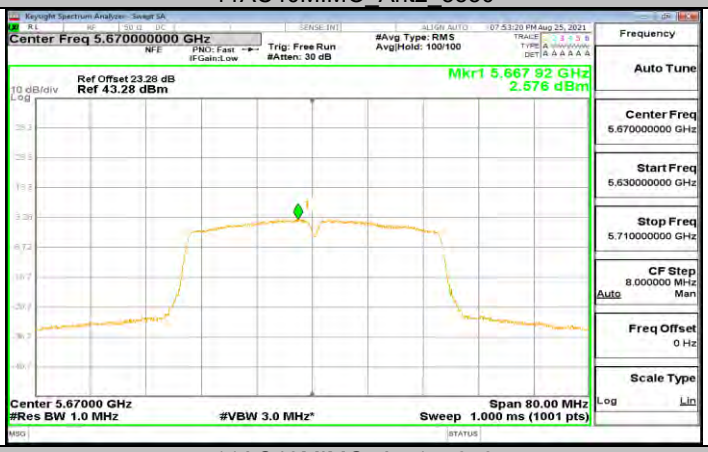


11AC40MIMO_Ant2_5510

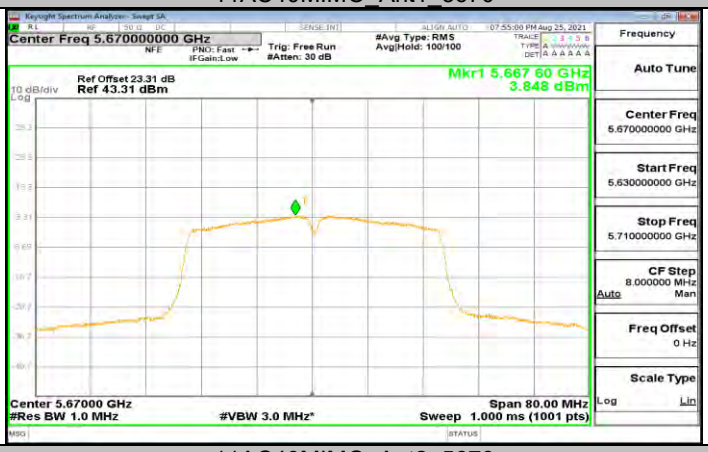


11AC40MIMO_Ant1_5550

11AC40MIMO_Ant2_5550



11AC40MIMO_Ant1_5670



11AC40MIMO_Ant2_5670

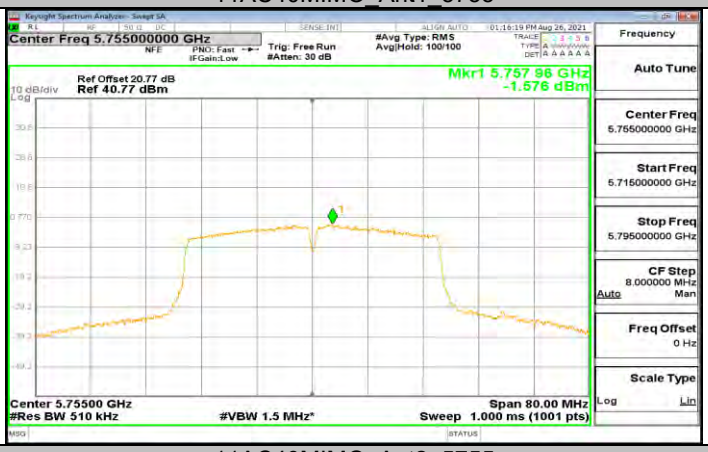
11AC40MIMO_Ant1_5710_UNII-2C

11AC40MIMO_Ant2_5710_UNII-2C

11AC40MIMO_Ant1_5710_UNII-3

11AC40MIMO_Ant2_5710_UNII-3

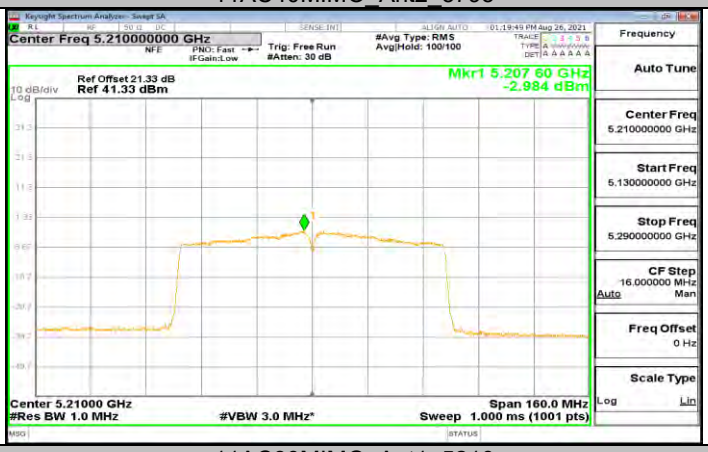
11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755

11AC40MIMO_Ant1_5795

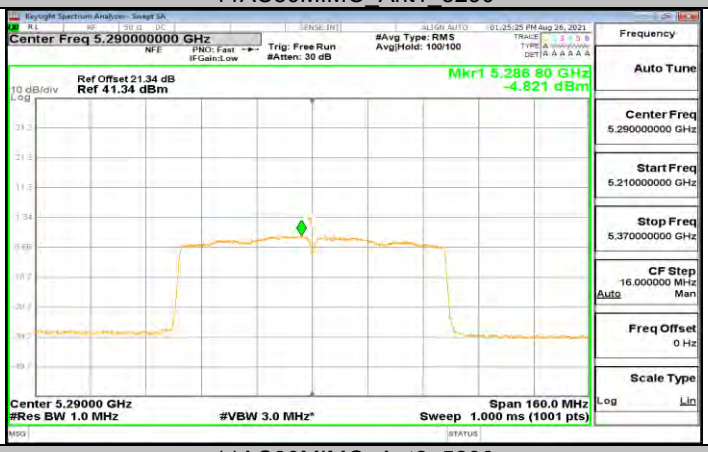
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210

11AC80MIMO_Ant2_5210

11AC80MIMO_Ant1_5290



11AC80MIMO_Ant2_5290

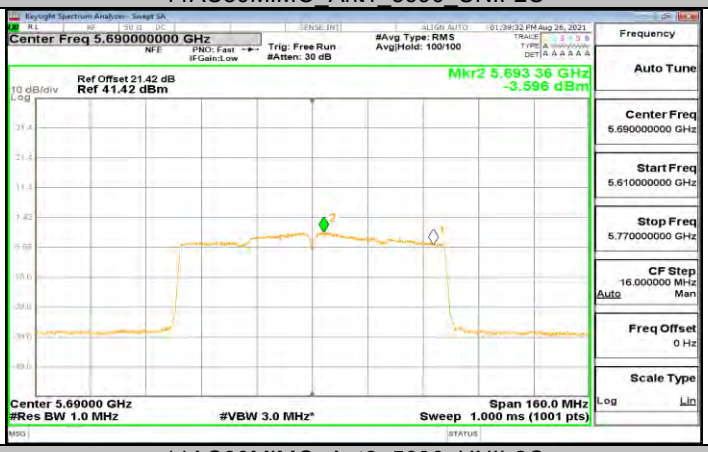
11AC80MIMO_Ant1_5530

11AC80MIMO_Ant2_5530

11AC80MIMO_Ant1_5610

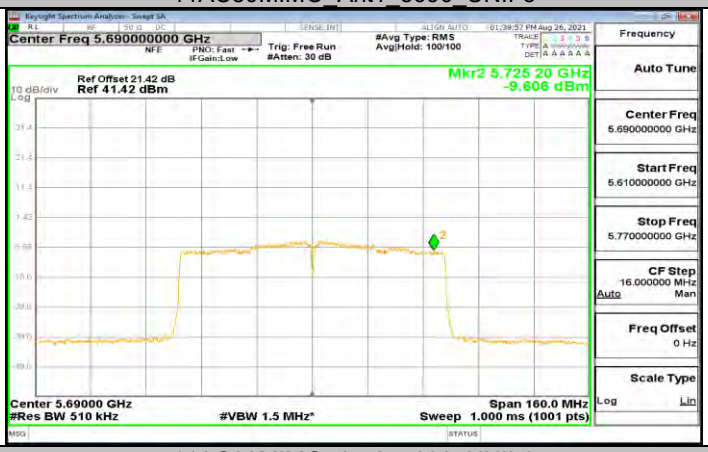
11AC80MIMO_Ant2_5610

11AC80MIMO_Ant1_5690_UNII-2C



11AC80MIMO_Ant2_5690_UNII-2C

11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant2_5690_UNII-3

11AC80MIMO_Ant1_5775

11AC80MIMO_Ant2_5775

13.6. Appendix D: Duty Cycle

13.6.1. Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.39	1.44	0.9653	96.53	0.15	0.72	1
11N20MIMO	1.30	1.34	0.9701	97.01	0.13	0.77	1
11N40MIMO	0.64	0.69	0.9275	92.75	0.33	1.56	1
11AC20MIMO	0.68	0.72	0.9444	94.44	0.25	1.47	2
11AC40MIMO	0.35	0.39	0.8974	89.74	0.47	2.86	3
11AC80MIMO	0.18	0.23	0.7826	78.26	1.06	5.56	6

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

13.6.2. Test Graphs

11A_Ant1_5180

11N20MIMO_Ant1_5180

11N40MIMO_Ant1_5190

11AC20MIMO_Ant1_5180

11AC40MIMO_Ant1_5190

11AC80MIMO_Ant1_5210

13.7. Appendix E: Frequency Stability

13.7.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9905	-1.83	5199.9774	-4.34	5199.9942	-1.11	5200.0242	4.65
TN	VN	5200.0195	3.75	5199.9904	-1.85	5200.0032	0.62	5199.9945	-1.06
TN	VH	5200.0198	3.81	5199.9877	-2.37	5200.0087	1.67	5199.9840	-3.08
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5200.0213	4.09	5199.9853	-2.82	5200.0139	2.67	5199.9850	-2.89
30	VN	5199.9926	-1.42	5199.9864	-2.61	5200.0139	2.67	5199.9821	-3.44
20	VN	5199.9864	-2.62	5200.0142	2.73	5200.0004	0.08	5200.0194	3.74
10	VN	5199.9787	-4.09	5200.0161	3.10	5200.0063	1.22	5199.9851	-2.87
0	VN	5199.9840	-3.08	5199.9983	-0.33	5199.9791	-4.01	5200.0202	3.88

Frequency Error vs. Voltage									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5824.9783	-3.72	5825.0093	1.60	5824.9773	-3.89	5825.0144	2.47
TN	VN	5824.9849	-2.59	5824.9990	-0.17	5825.0130	2.24	5824.9840	-2.75
TN	VH	5825.0214	3.67	5824.9775	-3.87	5825.0098	1.68	5825.0088	1.51
Frequency Error vs. Temperature									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5824.9918	-1.41	5825.0086	1.47	5824.9940	-1.04	5825.0033	0.57
30	VN	5825.0193	3.32	5824.9753	-4.23	5825.0198	3.40	5825.0165	2.83
20	VN	5825.0194	3.33	5824.9980	-0.35	5825.0032	0.54	5825.0033	0.56
10	VN	5824.9928	-1.24	5825.0051	0.88	5824.9830	-2.92	5825.0236	4.05
0	VN	5825.0069	1.19	5825.0027	0.46	5825.0064	1.09	5825.0034	0.58

Note: All antennas and test modes have been tested, only the worst data record in the report.

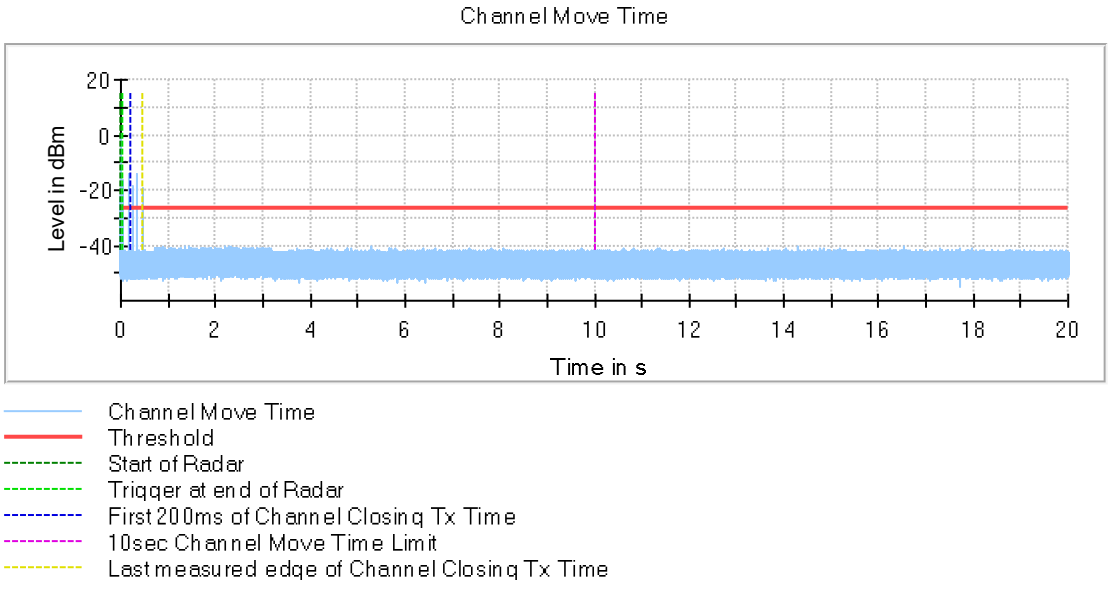
13.8. Appendix F：DYNAMIC FREQUENCY SELECTION

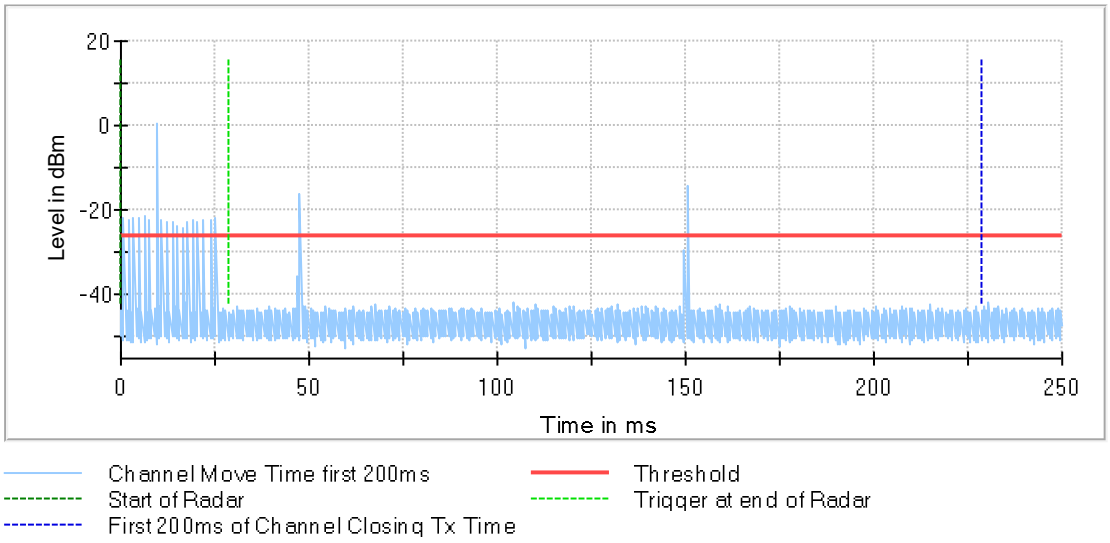
13.8.1. Test Result

802.11ac VHT80 Mode

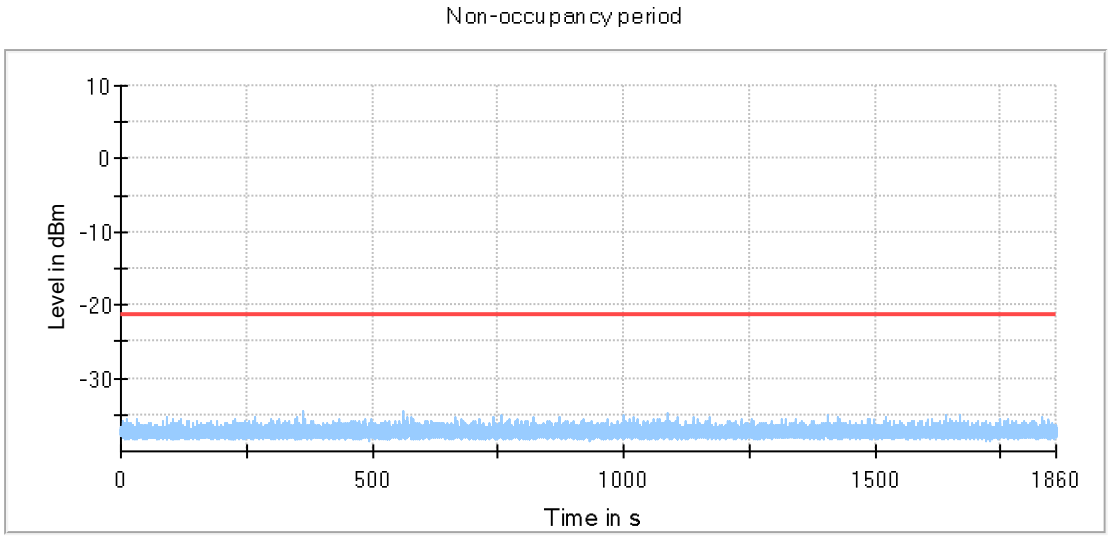
BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5530MHz	Channel Move Time	0.492	＜10 s	pass
	Channel Closing Transmission Time	0.044	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.	pass
	Non-Occupancy Period	Nothing appears	If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.	pass

Channel Move Time & Channel Closing Transmission Time





Non-Occupancy Period



END OF REPORT