11AX20MIMO_Ant2_5720_UNII-3

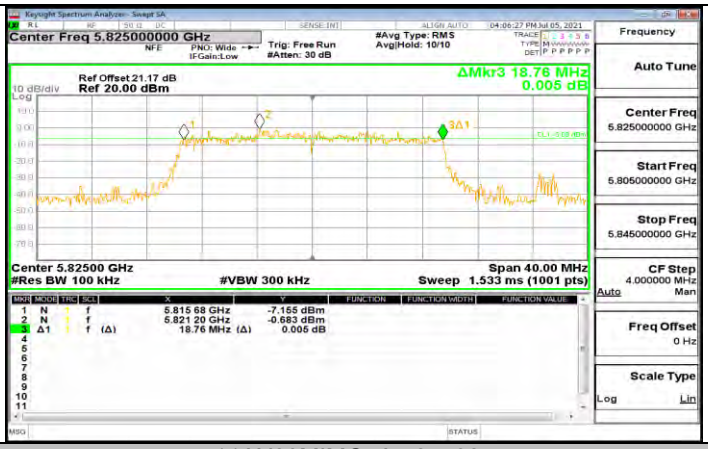
11AX20MIMO_Ant1_5745

11AX20MIMO_Ant2_5745

11AX20MIMO_Ant1_5785

11AX20MIMO_Ant2_5785

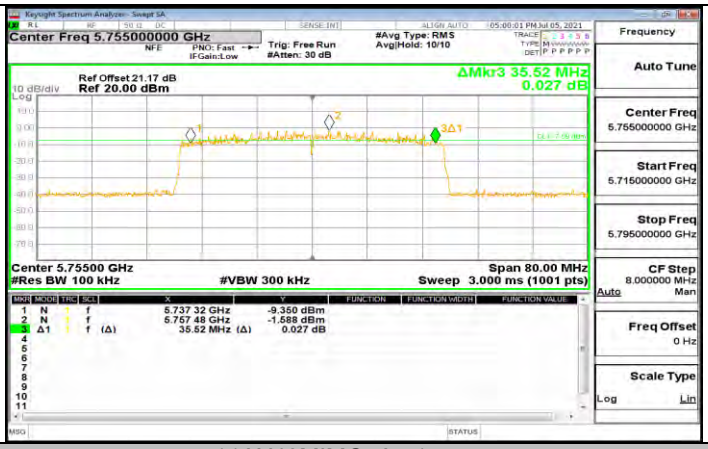
11AX20MIMO_Ant1_5825



11AX20MIMO_Ant2_5825

11AX40MIMO_Ant1_5710_UNII-3

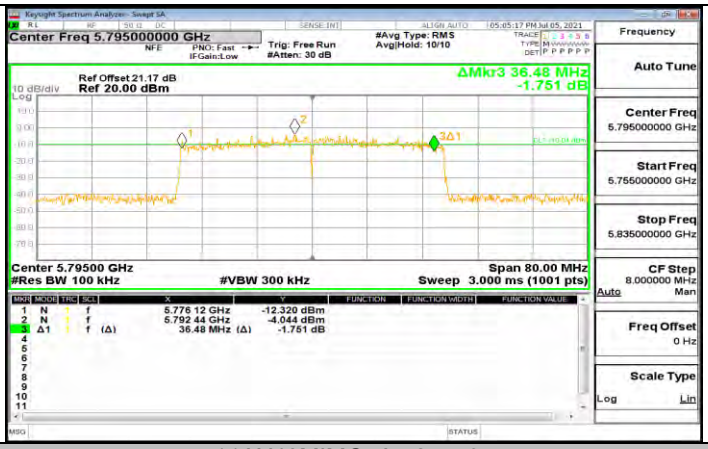
11AX40MIMO_Ant2_5710_UNII-3



11AX40MIMO_Ant1_5755

11AX40MIMO_Ant2_5755

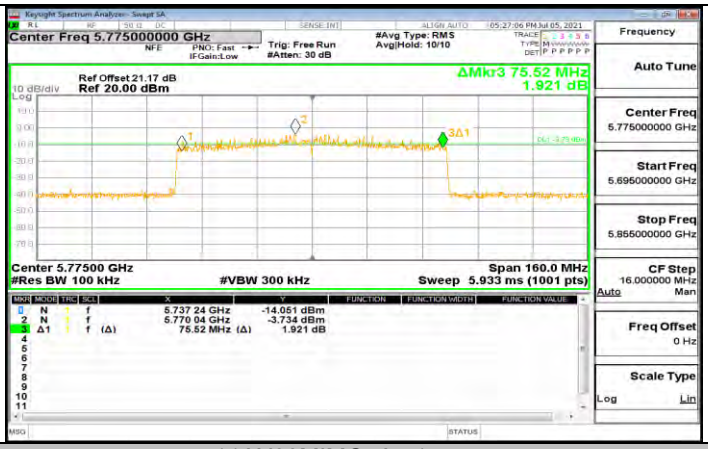
11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795

11AX80MIMO_Ant1_5690_UNII-3

11AX80MIMO_Ant2_5690_UNII-3



11AX80MIMO_Ant1_5775

11AX80MIMO_Ant2_5775

13.4. Appendix B: Maximum AVG conducted output power

13.4.1. Test Result

Test Mode	Channel	AVG Conducted Power (dBm)			FCC Limit (dBm)
		ANT0	ANT1	Total	
11A20	5180	15.48	14.91	/	24
	5200	15.72	15.04	/	24
	5240	16.19	15.52	/	24
	5260	15.80	15.49	/	24
	5280	16.09	15.86	/	24
	5320	16.13	15.89	/	24
	5500	13.51	13.46	/	24
	5580	13.62	12.94	/	24
	5700	12.46	11.94	/	24
	5720-UNII-2C	11.90	11.73	/	24
	5720-UNII-3	5.06	5.05	/	30
	5745	15.72	15.71	/	30
	5785	15.97	15.79	/	30
	5825	16.35	16.01	/	30
11N20MIMO	5180	12.94	12.64	15.80	24
	5200	13.60	13.20	16.41	24
	5240	13.94	14.11	17.04	24
	5260	14.94	14.93	17.95	24
	5280	15.39	15.25	18.33	24
	5320	14.96	15.21	18.10	24
	5500	12.14	11.89	15.03	24
	5580	13.60	12.92	16.28	24
	5700	12.60	12.38	15.50	24
	5720-UNII-2C	12.27	12.03	15.16	24
	5720-UNII-3	5.78	5.95	8.88	30
	5745	15.07	14.85	17.97	30
	5785	15.00	14.94	17.98	30
	5825	15.40	15.06	18.24	30
11N40MIMO	5190	13.20	12.88	16.05	24
	5230	14.72	14.22	17.49	24
	5270	15.46	15.20	18.34	24
	5310	14.55	14.88	17.73	24
	5510	15.46	15.45	18.47	24
	5550	15.75	14.57	18.21	24

	5670	15.86	15.10	18.51	24
	5710-UNII-2C	15.69	16.05	18.88	24
	5710-UNII-3	2.39	2.15	5.28	30
	5755	15.30	14.86	18.10	30
	5795	14.92	14.85	17.90	30
11AC80MIMO	5210	14.54	14.13	17.35	24
	5290	13.86	14.05	16.97	24
	5530	11.24	10.41	13.86	24
	5610	12.37	11.62	15.02	24
	5690-UNII-2C	10.56	10.33	13.46	24
	5690-UNII-3	-5.28	-5.63	-2.44	30
	5775	14.56	14.25	17.42	30
11AX20MIMO	5180	13.41	12.67	16.07	24
	5200	13.37	12.89	16.15	24
	5240	13.53	13.20	16.38	24
	5260	13.47	13.45	16.47	24
	5280	13.76	13.60	16.69	24
	5320	13.56	13.62	16.60	24
	5500	13.40	12.62	16.04	24
	5580	13.33	12.82	16.09	24
	5700	13.40	12.81	16.13	24
	5720-UNII-2C	12.27	12.08	15.19	24
	5720-UNII-3	6.73	6.23	9.50	30
	5745	13.33	12.75	16.06	30
	5785	13.48	12.98	16.25	30
	5825	13.80	13.21	16.53	30
11AX40MIMO	5190	13.35	12.78	16.08	24
	5230	13.52	13.14	16.34	24
	5270	13.52	13.45	16.50	24
	5310	13.22	13.26	16.25	24
	5510	13.46	12.61	16.07	24
	5550	13.67	12.89	16.31	24
	5670	13.46	13.03	16.26	24
	5710-UNII-2C	12.72	12.52	15.63	24
	5710-UNII-3	0.99	0.67	3.84	30
	5755	13.39	12.81	16.12	30
	5795	13.43	12.94	16.20	30
11AX80MIMO	5210	13.27	12.89	16.09	24
	5290	13.57	13.55	16.57	24
	5530	11.66	10.55	14.15	24
	5610	12.63	11.87	15.28	24

	5690-UNII-2C	10.65	10.42	13.55	24
	5690-UNII-3	-4.35	-4.52	-1.42	30
	5775	13.52	12.67	16.13	30

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. Appendix C: Maximum power spectral density

13.5.1. Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A20	Ant0	5180	4.16	<=11	PASS
		5200	5.11	<=11	PASS
		5240	4.97	<=11	PASS
		5260	5.54	<=11	PASS
		5280	5.16	<=11	PASS
		5320	5.46	<=11	PASS
		5500	3.55	<=11	PASS
		5580	3.63	<=11	PASS
		5700	2.63	<=11	PASS
		5720_UNII-2C	2.35	<=11	PASS
	Ant1	5720_UNII-2C	2.22	<=11	PASS
	Ant0	5720_UNII-3	-1.37	<=11	PASS
	Ant1	5720_UNII-3	-1.94	<=11	PASS
	Ant0	5745	3	<=30	PASS
		5785	3.55	<=30	PASS
		5825	3.22	<=30	PASS
11N20MIMO	Ant0	5180	2.2	<=11	PASS
	Ant1	5180	2.14	<=11	PASS
	total	5180	5.18	<=11	PASS
	Ant0	5200	4.06	<=11	PASS
	Ant1	5200	3.59	<=11	PASS
	total	5200	6.84	<=11	PASS
	Ant0	5240	4.27	<=11	PASS
	Ant1	5240	4.24	<=11	PASS
	total	5240	7.27	<=11	PASS
	Ant0	5260	5.45	<=11	PASS
	Ant1	5260	5.57	<=11	PASS
	total	5260	8.52	<=11	PASS
	Ant0	5280	5.21	<=11	PASS
	Ant1	5280	5.11	<=11	PASS
	total	5280	8.17	<=11	PASS
	Ant0	5320	4.6	<=11	PASS
	Ant1	5320	5.56	<=11	PASS
	total	5320	8.12	<=11	PASS
	Ant0	5500	2.76	<=11	PASS
	Ant1	5500	1.87	<=11	PASS
	total	5500	5.35	<=11	PASS
	Ant0	5580	3.81	<=11	PASS
	Ant1	5580	2.72	<=11	PASS
	total	5580	6.31	<=11	PASS
	Ant0	5700	2.74	<=11	PASS
	Ant1	5700	2.55	<=11	PASS
	total	5700	5.66	<=11	PASS
	Ant0	5720_UNII-2C	2.74	<=11	PASS
	Ant1	5720_UNII-2C	2.18	<=11	PASS
	total	5720_UNII-2C	5.48	<=11	PASS
	Ant0	5720_UNII-3	-1.64	<=11	PASS
	Ant1	5720_UNII-3	-2.16	<=11	PASS
	total	5720_UNII-3	1.12	<=11	PASS
	Ant0	5745	2.18	<=30	PASS
	Ant1	5745	1.9	<=30	PASS
	total	5745	5.05	<=30	PASS
	Ant0	5785	2.66	<=30	PASS

	Ant1	5785	2.27	<=30	PASS
	total	5785	5.48	<=30	PASS
	Ant0	5825	2.2	<=30	PASS
	Ant1	5825	2.44	<=30	PASS
	total	5825	5.33	<=30	PASS
11N40MIMO	Ant0	5190	1.29	<=11	PASS
	Ant1	5190	0.73	<=11	PASS
	total	5190	4.03	<=11	PASS
	Ant0	5230	2.28	<=11	PASS
	Ant1	5230	1.29	<=11	PASS
	total	5230	4.82	<=11	PASS
	Ant0	5270	3.87	<=11	PASS
	Ant1	5270	3.75	<=11	PASS
	total	5270	6.82	<=11	PASS
	Ant0	5310	2.41	<=11	PASS
	Ant1	5310	2.52	<=11	PASS
	total	5310	5.48	<=11	PASS
	Ant0	5510	3.46	<=11	PASS
	Ant1	5510	2.65	<=11	PASS
	total	5510	6.08	<=11	PASS
	Ant0	5550	2.99	<=11	PASS
	Ant1	5550	2.6	<=11	PASS
	total	5550	5.81	<=11	PASS
	Ant0	5670	2.88	<=11	PASS
	Ant1	5670	2.79	<=11	PASS
	total	5670	5.85	<=11	PASS
	Ant0	5710_UNII-2C	3.52	<=11	PASS
	Ant1	5710_UNII-2C	3.25	<=11	PASS
	total	5710_UNII-2C	6.40	<=11	PASS
	Ant0	5710_UNII-3	-4.03	<=11	PASS
	Ant1	5710_UNII-3	-3.72	<=11	PASS
	total	5710_UNII-3	-0.86	<=11	PASS
	Ant0	5755	0.23	<=30	PASS
	Ant1	5755	-0.43	<=30	PASS
	total	5755	2.92	<=30	PASS
	Ant0	5795	0.57	<=30	PASS
	Ant1	5795	-0.12	<=30	PASS
	total	5795	3.25	<=30	PASS
11AC80MIMO	Ant0	5210	-0.6	<=11	PASS
	Ant1	5210	-1.35	<=11	PASS
	total	5210	2.05	<=11	PASS
	Ant0	5290	-2.05	<=11	PASS
	Ant1	5290	-2.55	<=11	PASS
	total	5290	0.72	<=11	PASS
	Ant0	5530	-4.13	<=11	PASS
	Ant1	5530	-5.22	<=11	PASS
	total	5530	-1.63	<=11	PASS
	Ant0	5610	-3.19	<=11	PASS
	Ant1	5610	-3.62	<=11	PASS
	total	5610	-0.39	<=11	PASS
	Ant0	5690_UNII-2C	-5	<=11	PASS
	Ant1	5690_UNII-2C	-5.49	<=11	PASS
	total	5690_UNII-2C	-2.23	<=11	PASS
	Ant0	5690_UNII-3	-11.44	<=11	PASS
	Ant1	5690_UNII-3	-11.66	<=11	PASS
	total	5690_UNII-3	-8.54	<=11	PASS
	Ant0	5775	-3.5	<=30	PASS
	Ant1	5775	-3.75	<=30	PASS
	total	5775	-0.61	<=30	PASS
11AX20MIMO	Ant0	5180	2.8	<=11	PASS

	Ant1	5180	2.3	<=11	PASS
	total	5180	5.57	<=11	PASS
	Ant0	5200	2.72	<=11	PASS
	Ant1	5200	2.75	<=11	PASS
	total	5200	5.75	<=11	PASS
	Ant0	5240	3.35	<=11	PASS
	Ant1	5240	2.69	<=11	PASS
	total	5240	6.04	<=11	PASS
	Ant0	5260	3.2	<=11	PASS
	Ant1	5260	2.99	<=11	PASS
	total	5260	6.11	<=11	PASS
	Ant0	5280	3.28	<=11	PASS
	Ant1	5280	3.16	<=11	PASS
	total	5280	6.23	<=11	PASS
	Ant0	5320	2.46	<=11	PASS
	Ant1	5320	2.86	<=11	PASS
	total	5320	5.67	<=11	PASS
	Ant0	5500	2.68	<=11	PASS
	Ant1	5500	2.02	<=11	PASS
	total	5500	5.37	<=11	PASS
	Ant0	5580	3.71	<=11	PASS
	Ant1	5580	2.68	<=11	PASS
	total	5580	6.24	<=11	PASS
	Ant0	5700	2.34	<=11	PASS
	Ant1	5700	2.86	<=11	PASS
	total	5700	5.62	<=11	PASS
	Ant0	5720_UNII-2C	2.85	<=11	PASS
	Ant1	5720_UNII-2C	3.03	<=11	PASS
	total	5720_UNII-2C	5.95	<=11	PASS
	Ant0	5720_UNII-3	-0.56	<=11	PASS
	Ant1	5720_UNII-3	-1.31	<=11	PASS
	total	5720_UNII-3	2.09	<=11	PASS
	Ant0	5745	0.37	<=30	PASS
	Ant1	5745	-1.11	<=30	PASS
	total	5745	2.70	<=30	PASS
	Ant0	5785	0.04	<=30	PASS
	Ant1	5785	-0.4	<=30	PASS
	total	5785	2.84	<=30	PASS
	Ant0	5825	0.01	<=30	PASS
	Ant1	5825	-0.32	<=30	PASS
	total	5825	2.86	<=30	PASS
11AX40MIMO	Ant0	5190	-0.11	<=11	PASS
	Ant1	5190	0.27	<=11	PASS
	total	5190	3.09	<=11	PASS
	Ant0	5230	0.37	<=11	PASS
	Ant1	5230	-0.23	<=11	PASS
	total	5230	3.09	<=11	PASS
	Ant0	5270	0.27	<=11	PASS
	Ant1	5270	0.85	<=11	PASS
	total	5270	3.58	<=11	PASS
	Ant0	5310	0.59	<=11	PASS
	Ant1	5310	-0.05	<=11	PASS
	total	5310	3.29	<=11	PASS
	Ant0	5510	0.43	<=11	PASS
	Ant1	5510	-0.35	<=11	PASS
	total	5510	3.07	<=11	PASS
	Ant0	5550	0.86	<=11	PASS
	Ant1	5550	0.49	<=11	PASS
	total	5550	3.69	<=11	PASS
	Ant0	5670	-0.21	<=11	PASS

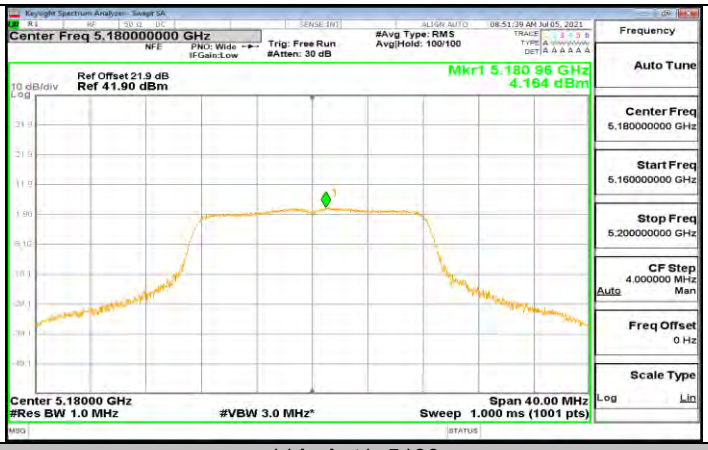
	Ant1	5670	-0.71	<=11	PASS
	total	5670	2.56	<=11	PASS
	Ant0	5710_UNII-2C	-0.03	<=11	PASS
	Ant1	5710_UNII-2C	-0.57	<=11	PASS
	total	5710_UNII-2C	2.72	<=11	PASS
	Ant0	5710_UNII-3	-6.39	<=11	PASS
	Ant1	5710_UNII-3	-6.66	<=11	PASS
	total	5710_UNII-3	-3.51	<=11	PASS
	Ant0	5755	-2.45	<=30	PASS
	Ant1	5755	-3.33	<=30	PASS
	total	5755	0.14	<=30	PASS
	Ant0	5795	-2.65	<=30	PASS
	Ant1	5795	-2.83	<=30	PASS
	total	5795	0.27	<=30	PASS
11AX80MIMO	Ant0	5210	-2.63	<=11	PASS
	Ant1	5210	-3.3	<=11	PASS
	total	5210	0.06	<=11	PASS
	Ant0	5290	-2.54	<=11	PASS
	Ant1	5290	-3.32	<=11	PASS
	total	5290	0.10	<=11	PASS
	Ant0	5530	-3.46	<=11	PASS
	Ant1	5530	-4.02	<=11	PASS
	total	5530	-0.72	<=11	PASS
	Ant0	5610	-2.88	<=11	PASS
	Ant1	5610	-3.06	<=11	PASS
	total	5610	0.04	<=11	PASS
	Ant0	5690_UNII-2C	-4.7	<=11	PASS
	Ant1	5690_UNII-2C	-6.11	<=11	PASS
	total	5690_UNII-2C	-2.34	<=11	PASS
	Ant0	5690_UNII-3	-12.13	<=11	PASS
	Ant1	5690_UNII-3	-13.19	<=11	PASS
	total	5690_UNII-3	-9.62	<=11	PASS
	Ant0	5775	-6.04	<=30	PASS
	Ant1	5775	-5.98	<=30	PASS
	total	5775	-3.00	<=30	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

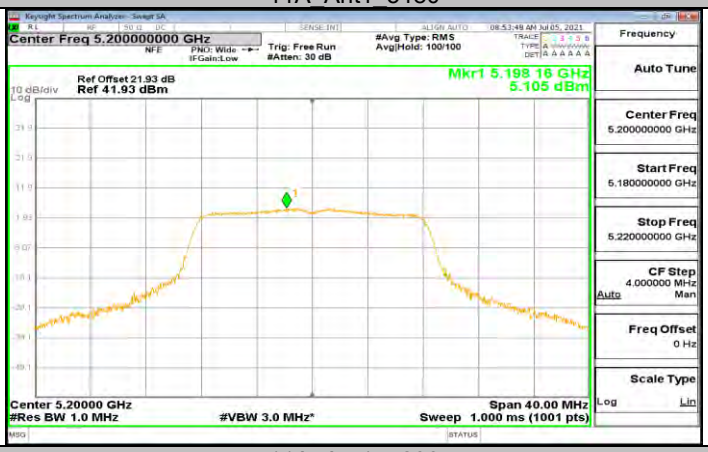
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

3. Note: All the modes, channels and antennas had been tested, but only the worst data was recorded in the report.

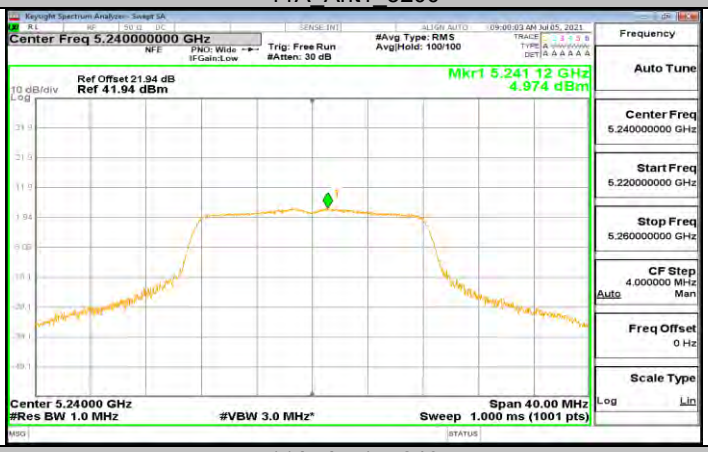
13.5.2. Test Graphs



11A_Ant1_5180

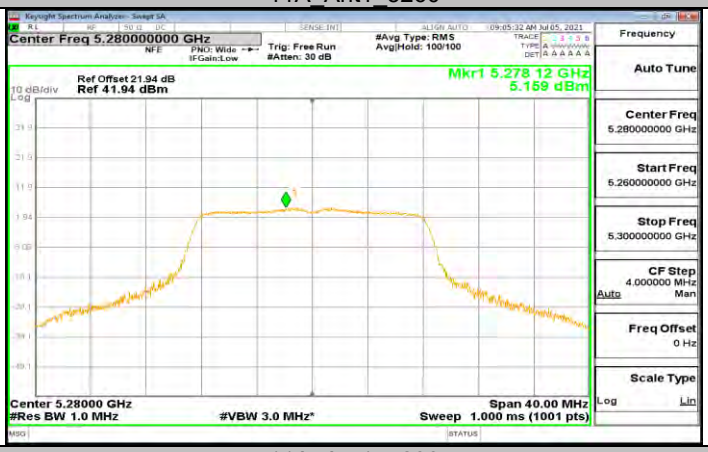


11A_Ant1_5200

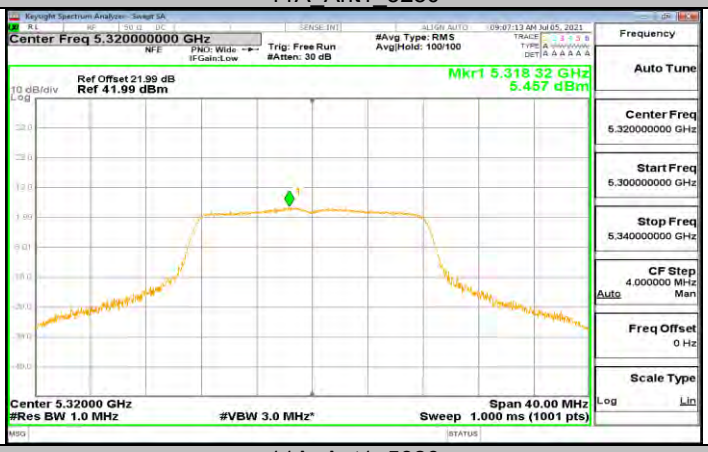


11A_Ant1_5240

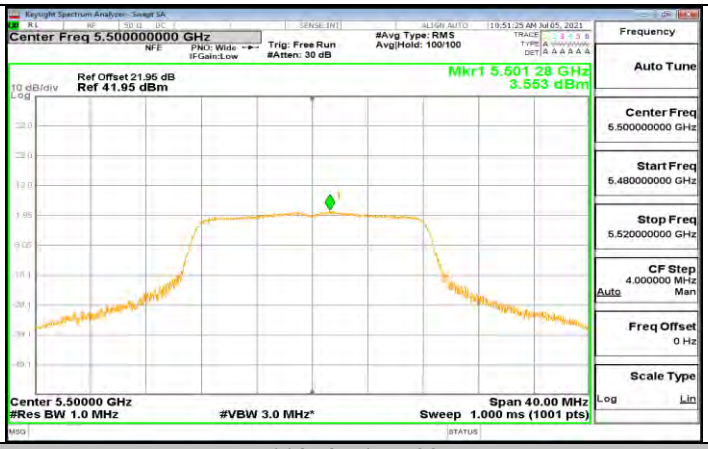
11A_Ant1_5260



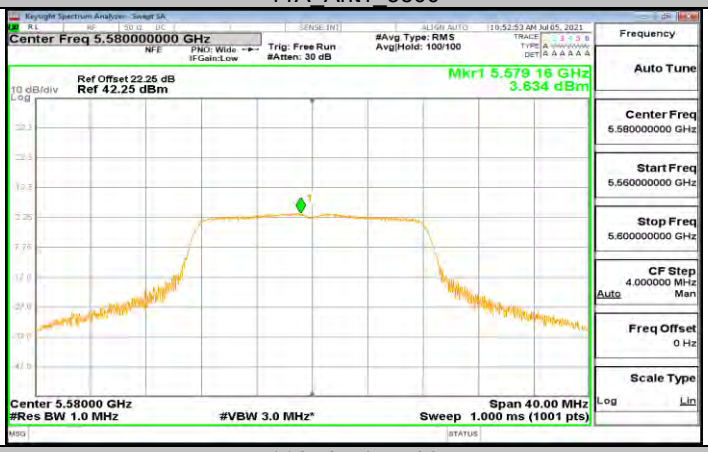
11A_Ant1_5280



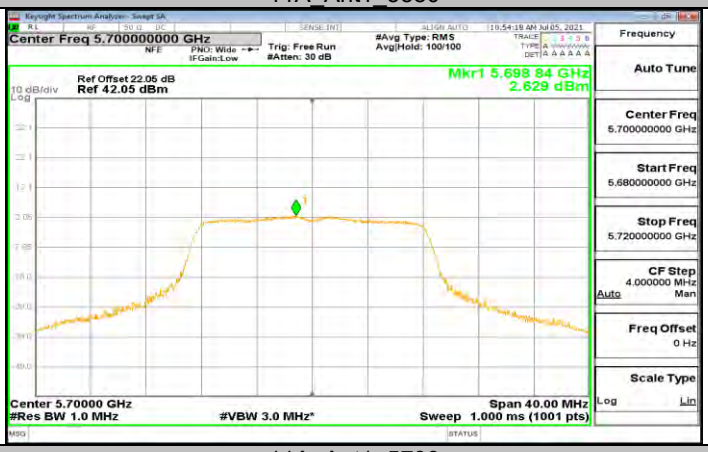
11A_Ant1_5320



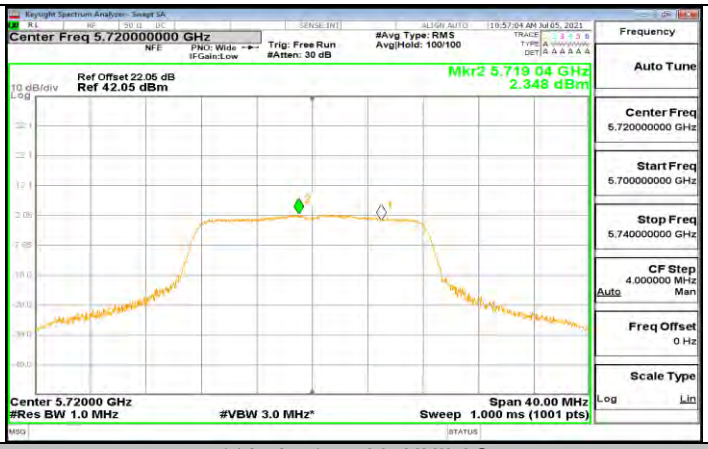
11A_Ant1_5500



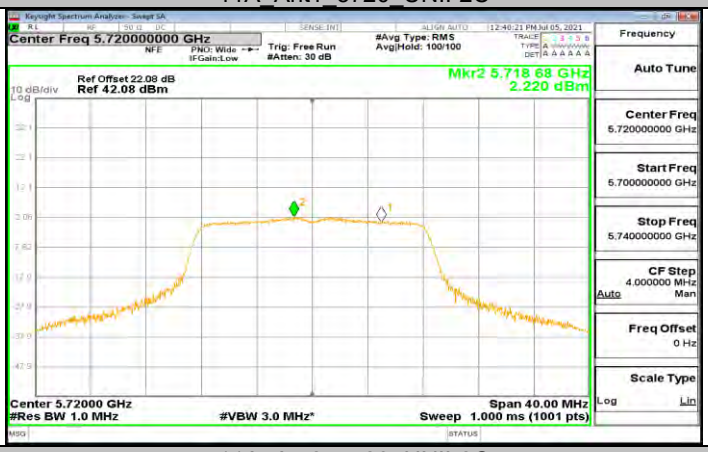
11A_Ant1_5580



11A_Ant1_5700



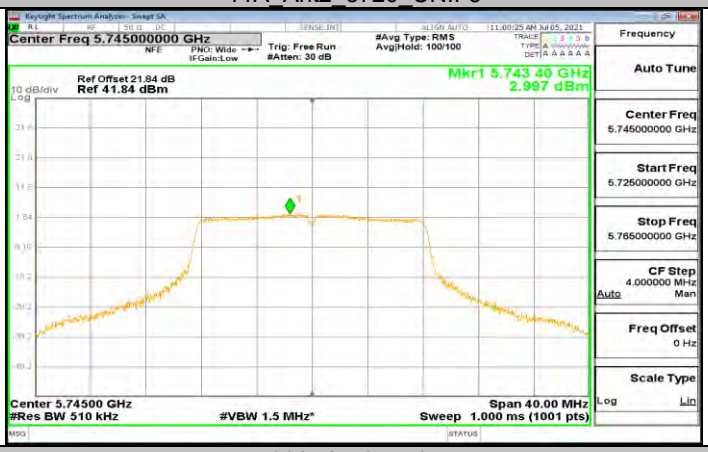
11A_Ant1_5720_UNII-2C



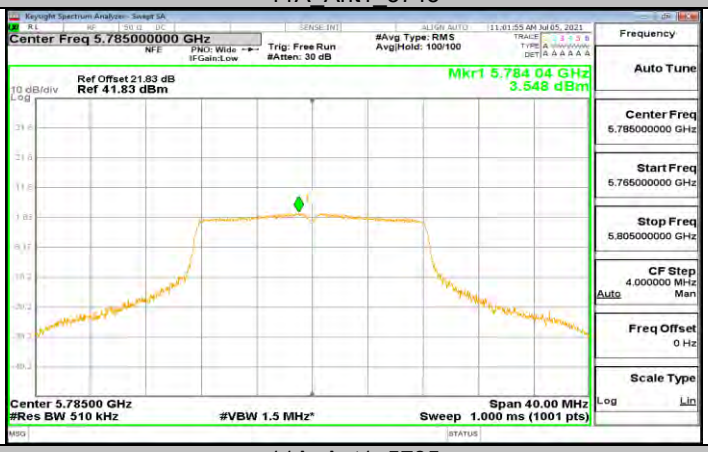
11A_Ant2_5720_UNII-2C

11A_Ant1_5720_UNII-3

11A_Ant2_5720_UNII-3

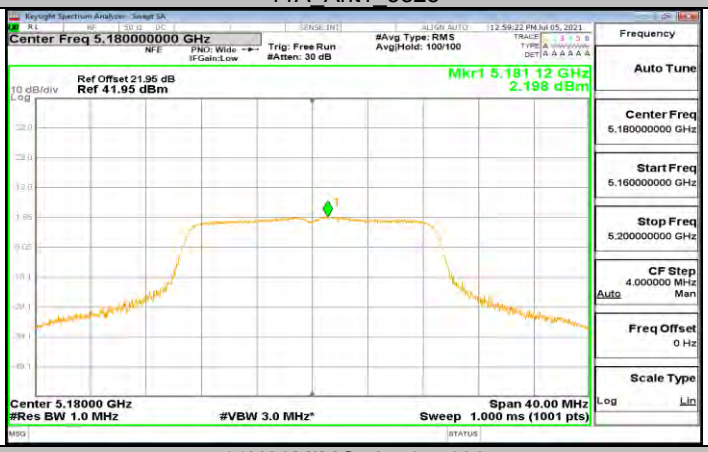


11A_Ant1_5745

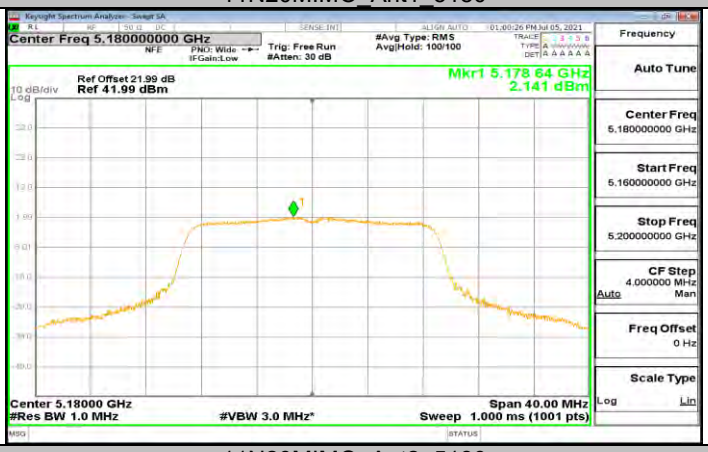


11A_Ant1_5785

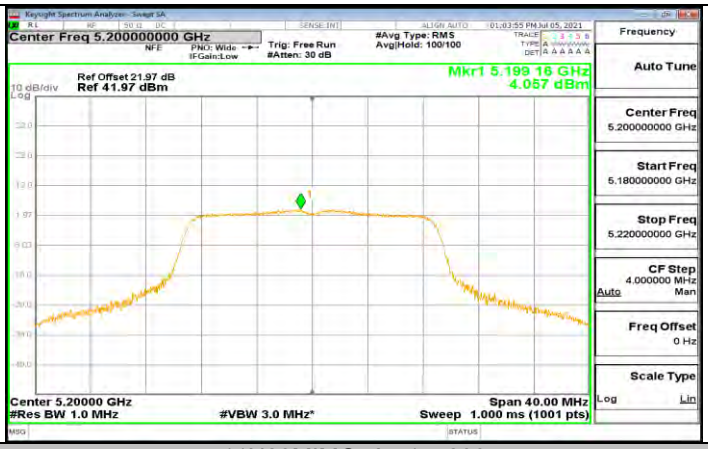
11A_Ant1_5825



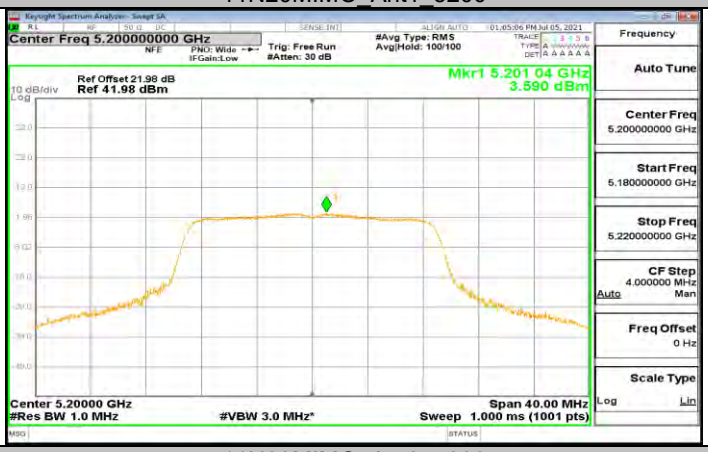
11N20MIMO_Ant1_5180



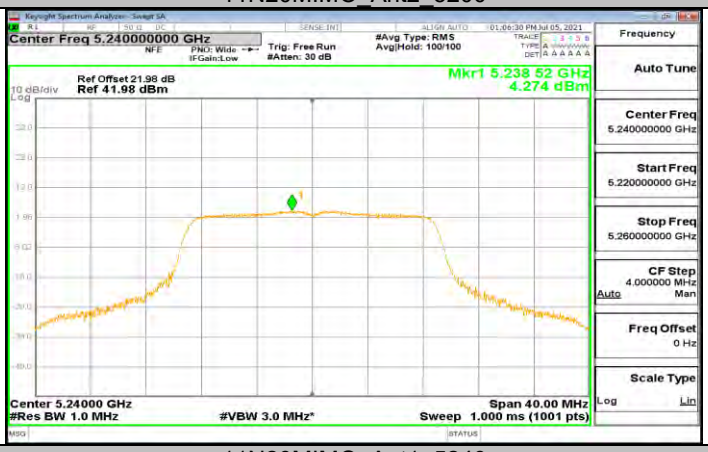
11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200

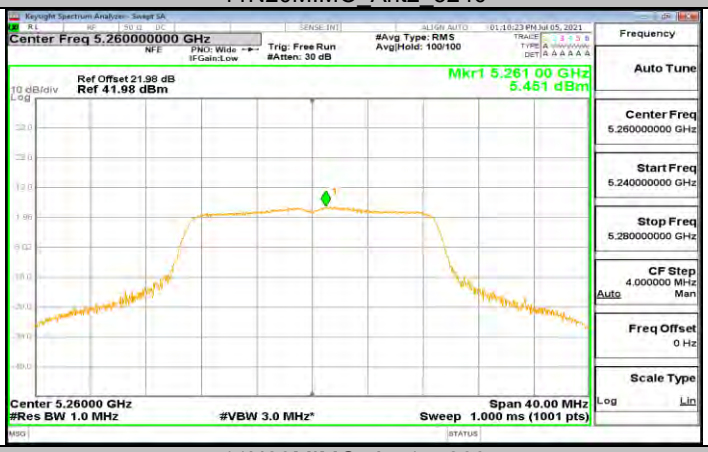


11N20MIMO_Ant2_5200

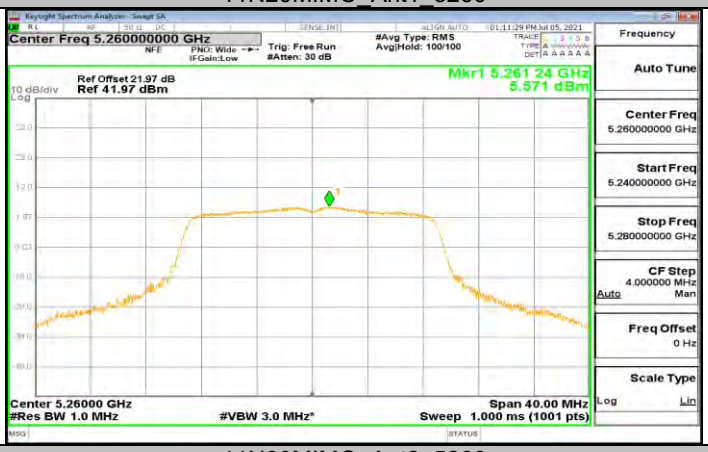


11N20MIMO_Ant1_5240

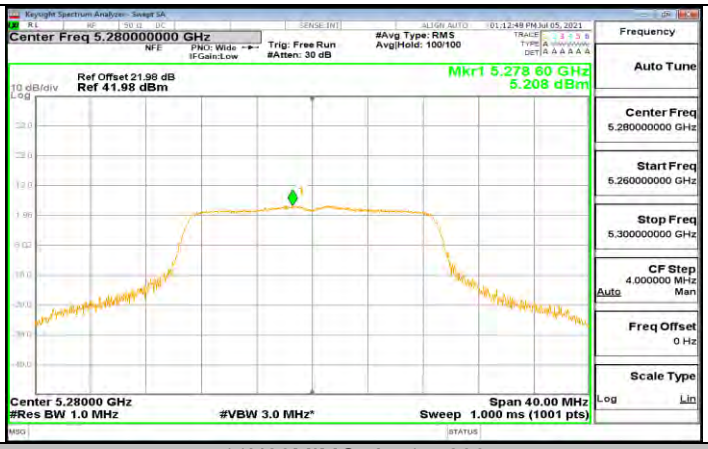
11N20MIMO_Ant2_5240



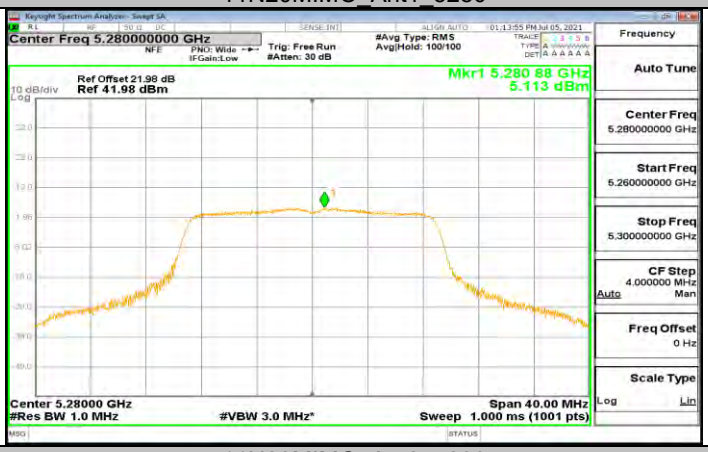
11N20MIMO_Ant1_5260



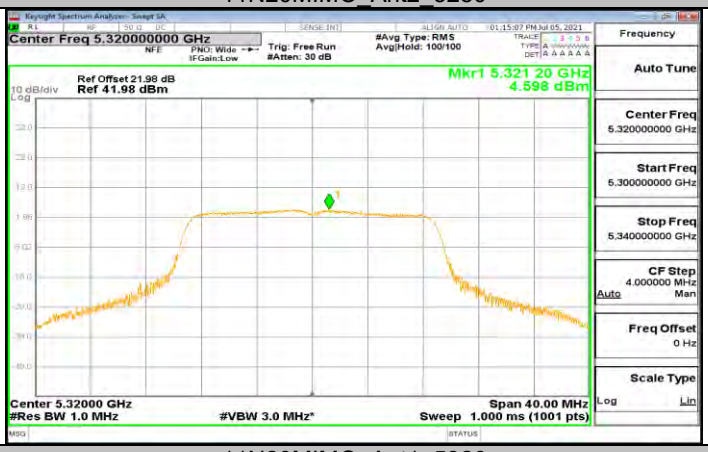
11N20MIMO_Ant2_5260



11N20MIMO_Ant1_5280

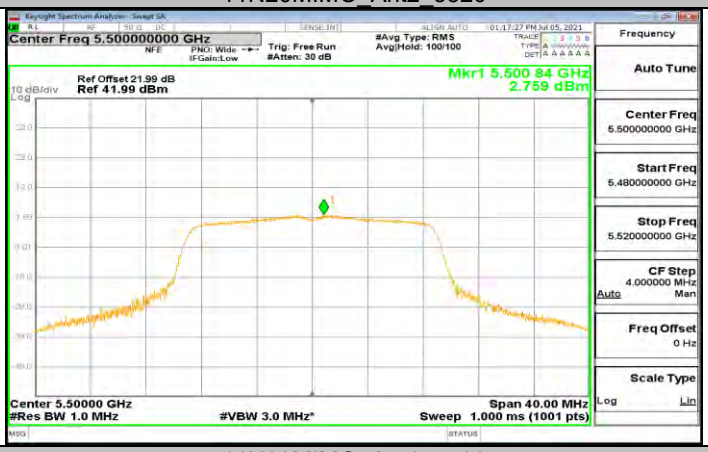


11N20MIMO_Ant2_5280

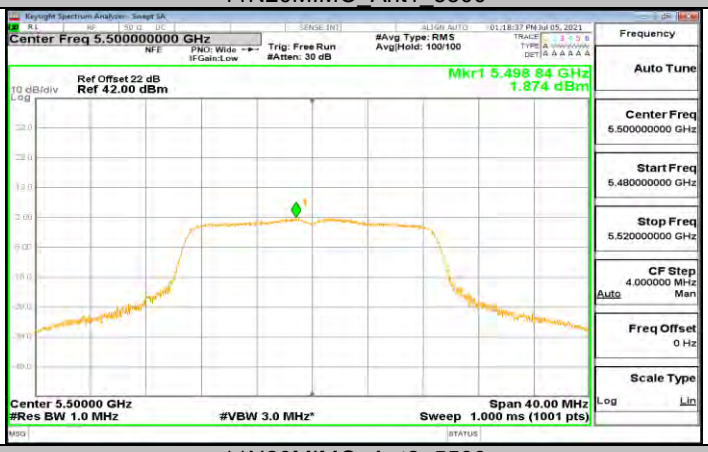


11N20MIMO_Ant1_5320

11N20MIMO_Ant2_5320

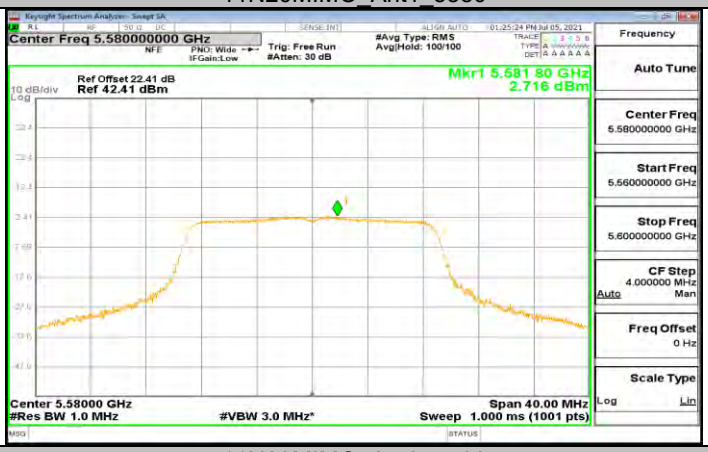


11N20MIMO_Ant1_5500

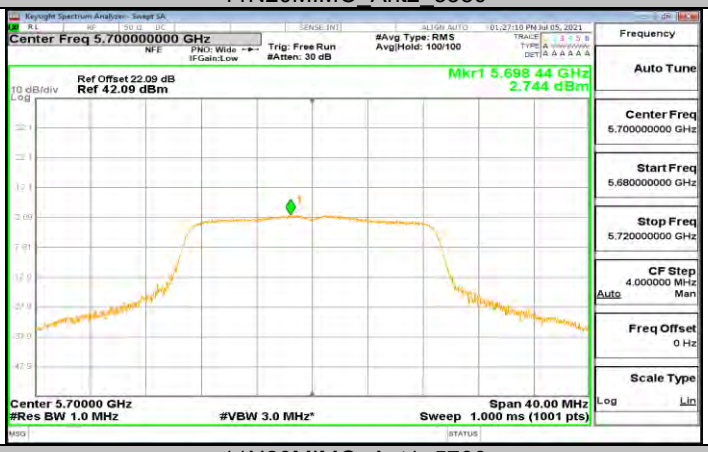


11N20MIMO_Ant2_5500

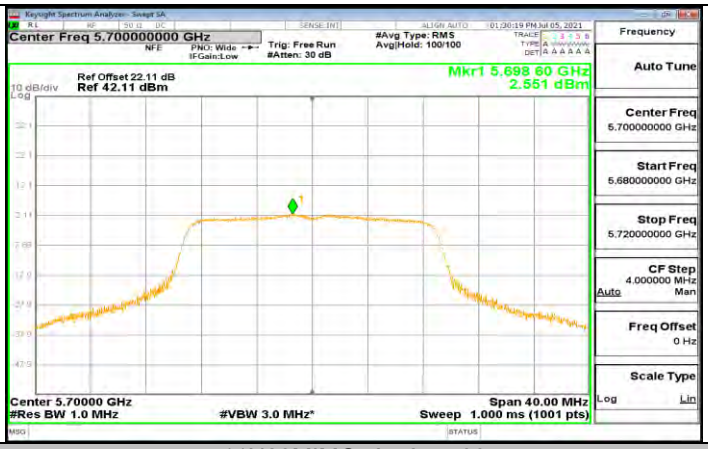
11N20MIMO_Ant1_5580



11N20MIMO_Ant2_5580

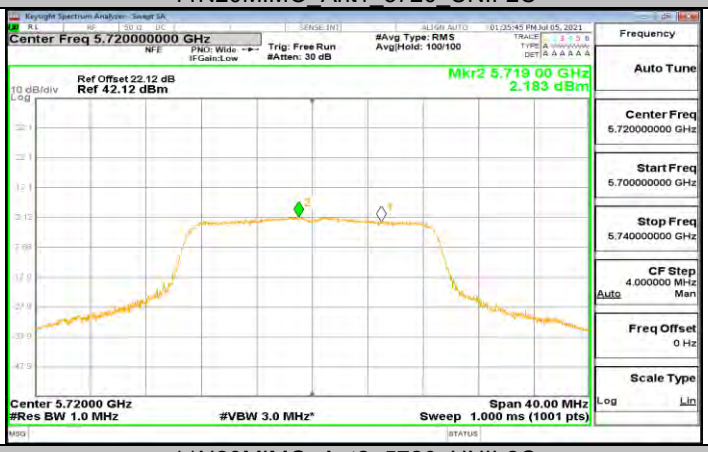


11N20MIMO_Ant1_5700

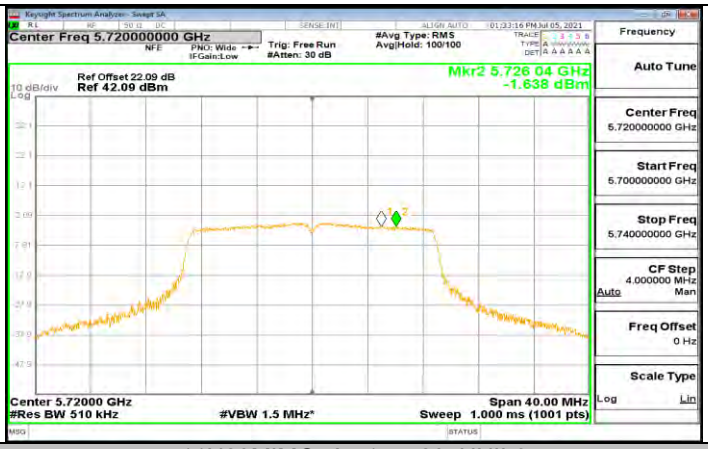


11N20MIMO_Ant2_5700

11N20MIMO_Ant1_5720_UNII-2C

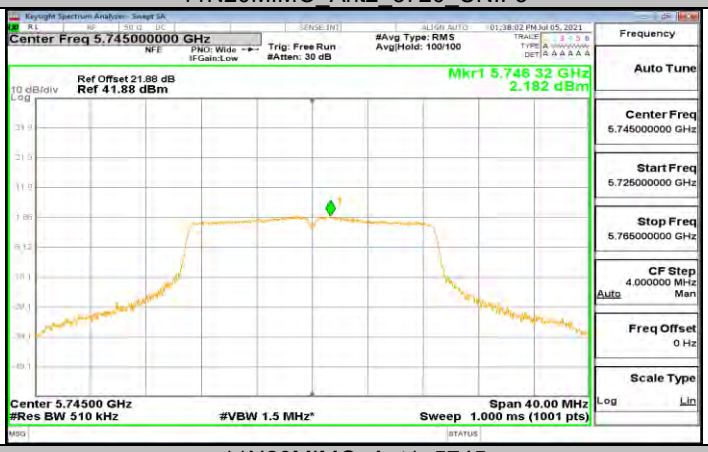


11N20MIMO_Ant2_5720_UNII-2C

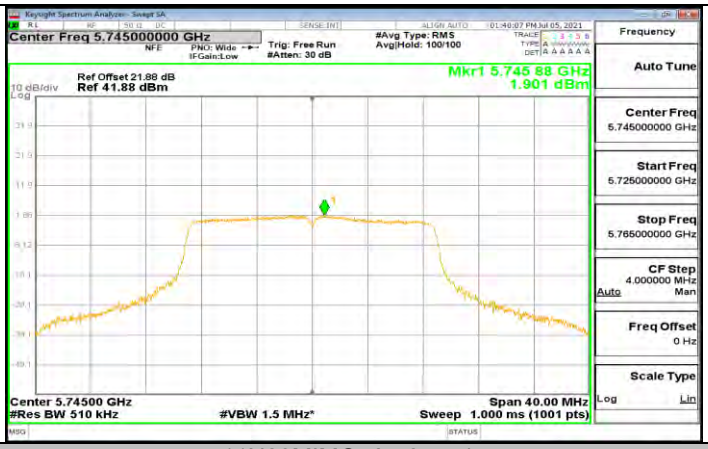


11N20MIMO_Ant1_5720_UNII-3

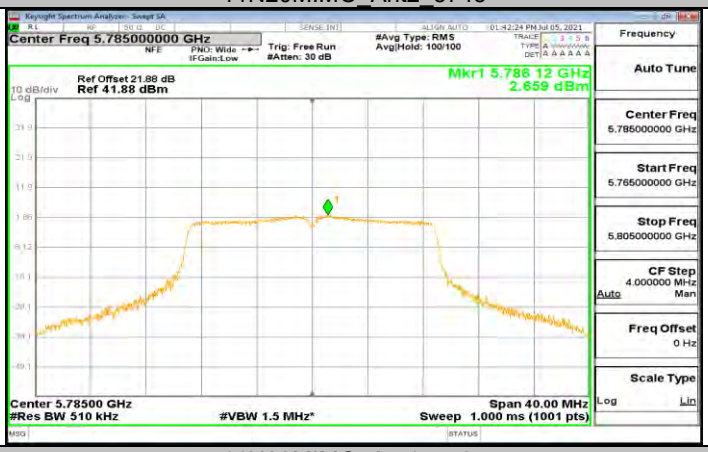
11N20MIMO_Ant2_5720_UNII-3



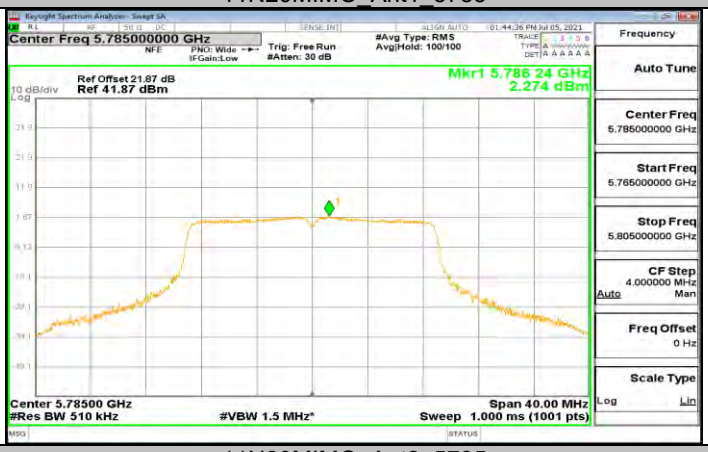
11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745

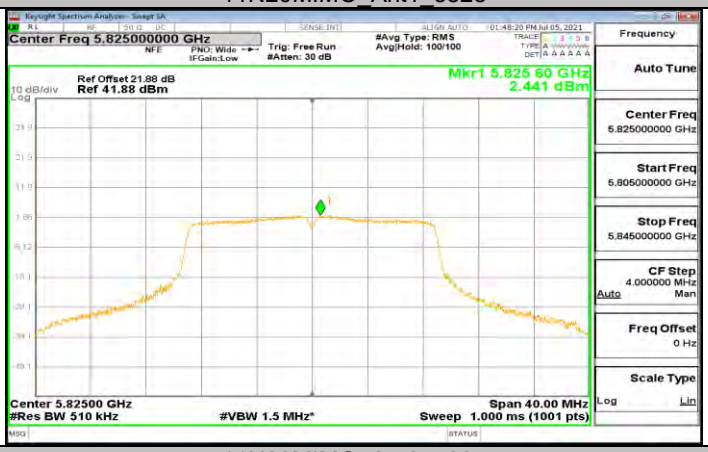


11N20MIMO_Ant1_5785

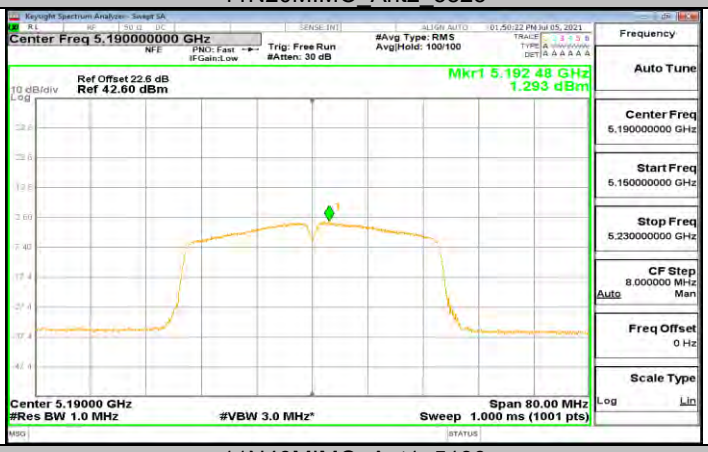


11N20MIMO_Ant2_5785

11N20MIMO_Ant1_5825

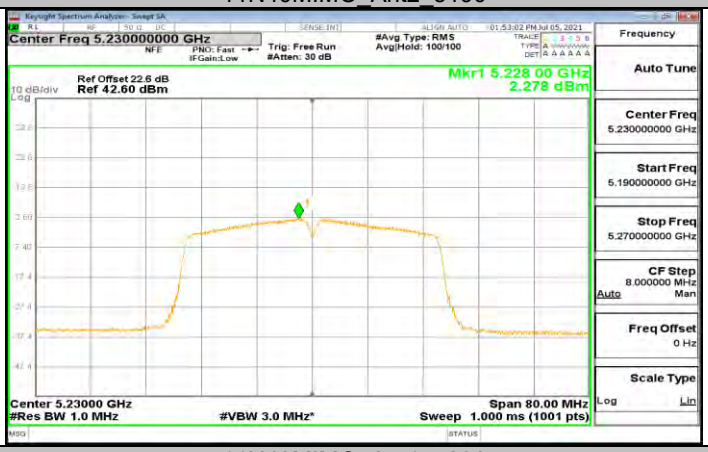


11N20MIMO_Ant2_5825

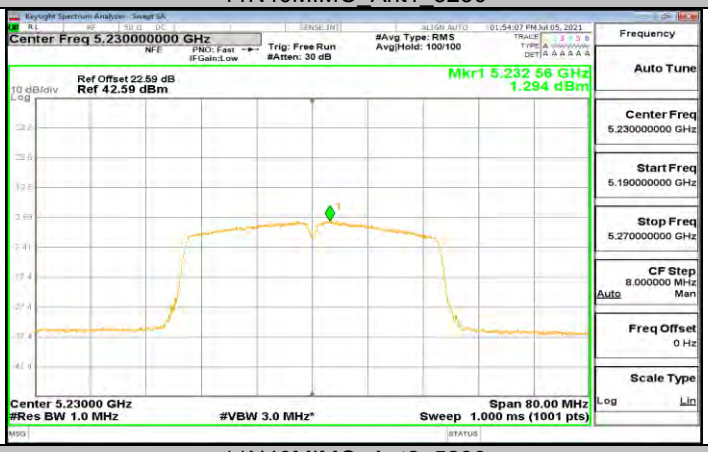


11N40MIMO_Ant1_5190

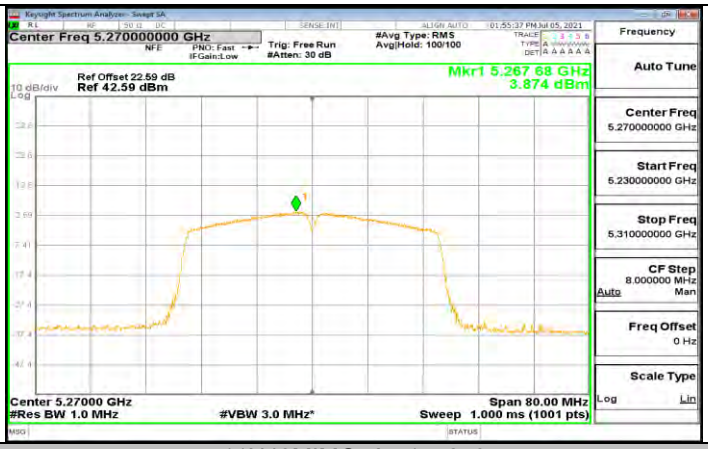
11N40MIMO_Ant2_5190



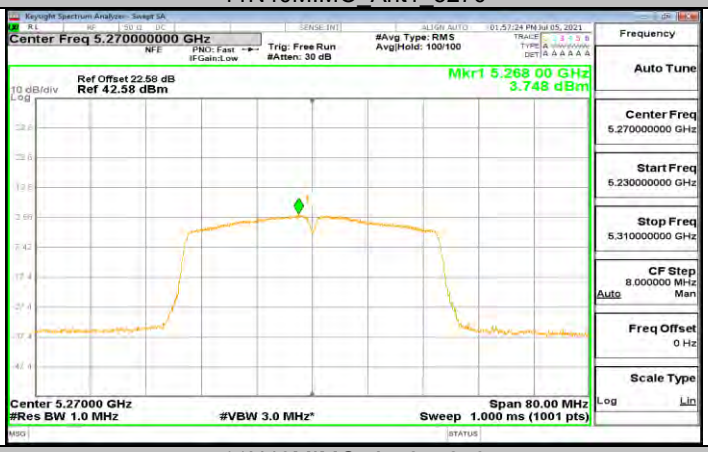
11N40MIMO_Ant1_5230



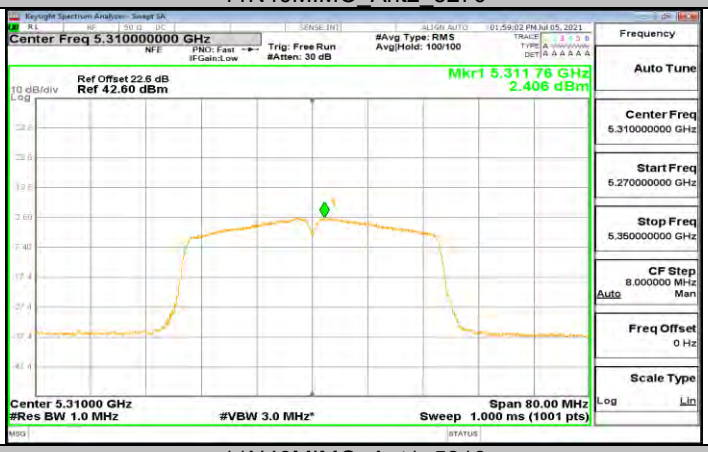
11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5270

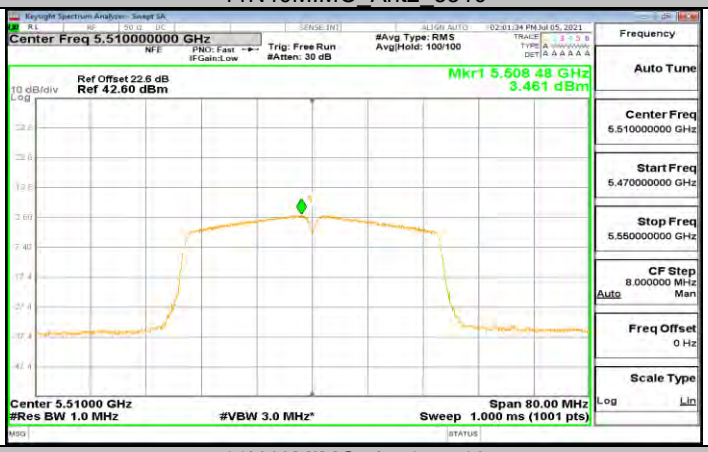


11N40MIMO_Ant2_5270

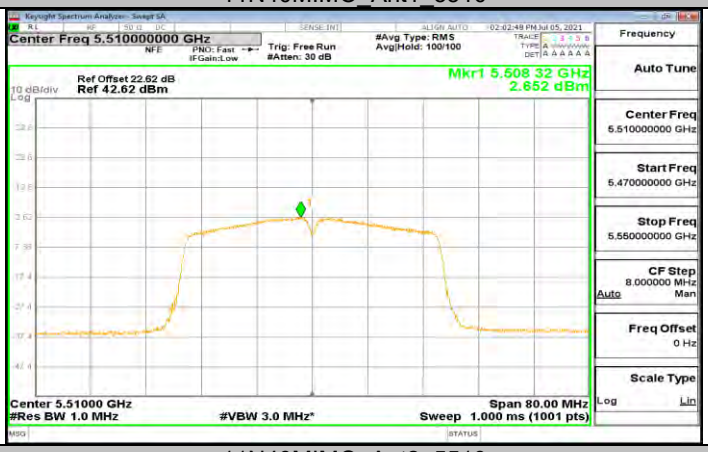


11N40MIMO_Ant1_5310

11N40MIMO_Ant2_5310

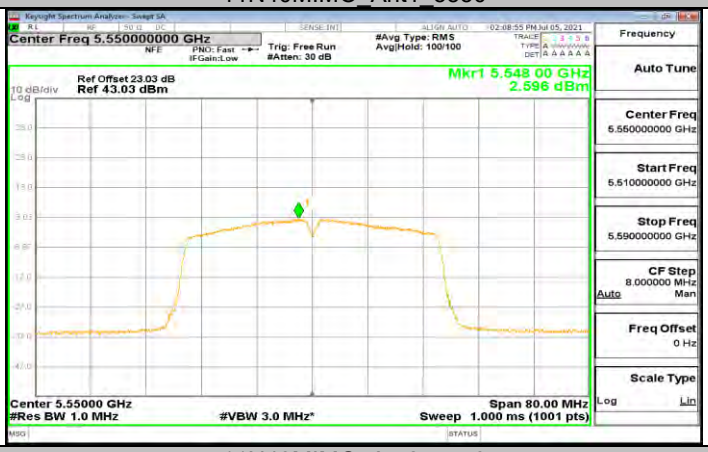


11N40MIMO_Ant1_5510

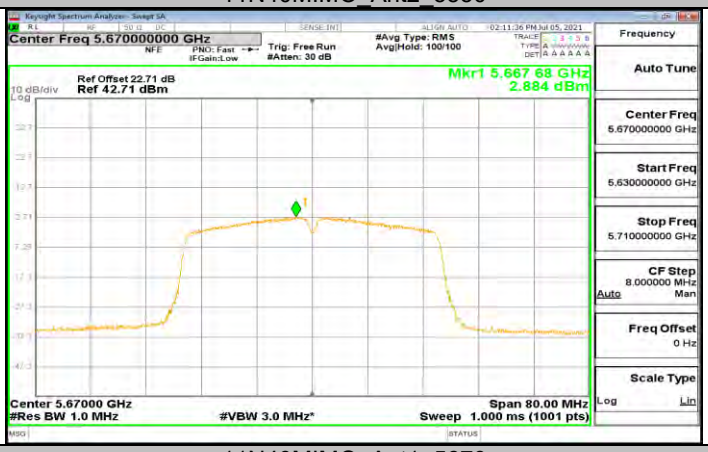


11N40MIMO_Ant2_5510

11N40MIMO_Ant1_5550

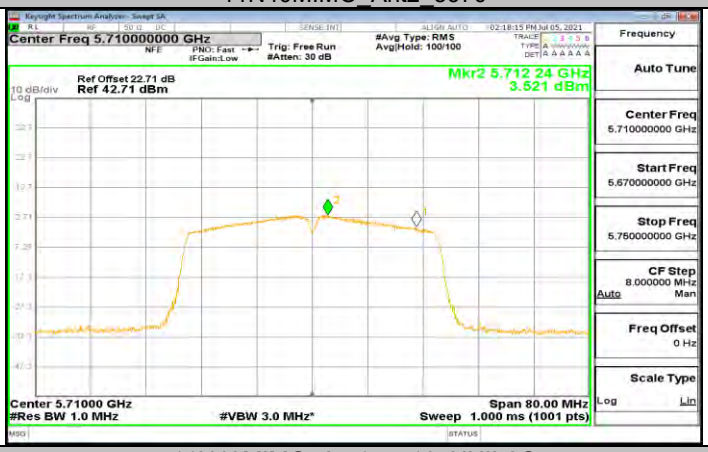


11N40MIMO_Ant2_5550



11N40MIMO_Ant1_5670

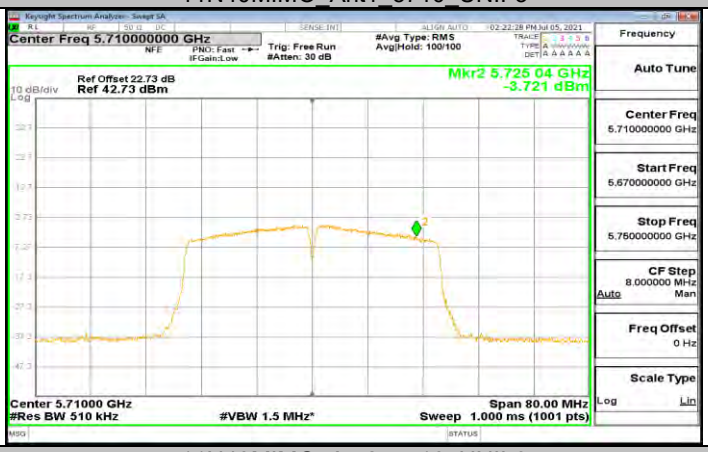
11N40MIMO_Ant2_5670



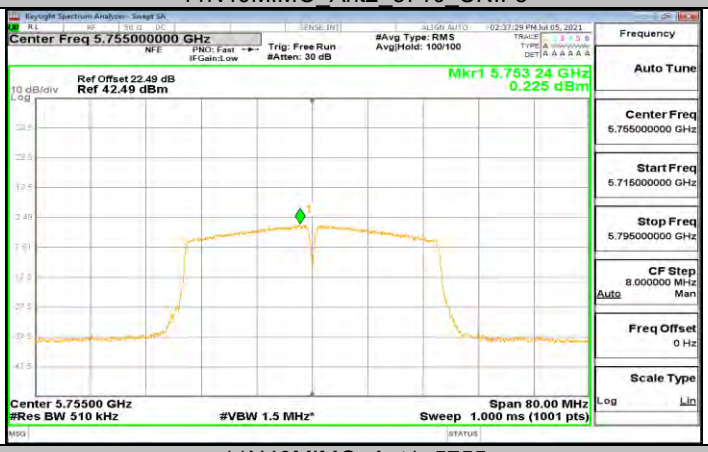
11N40MIMO_Ant1_5710_UNII-2C

11N40MIMO_Ant2_5710_UNII-2C

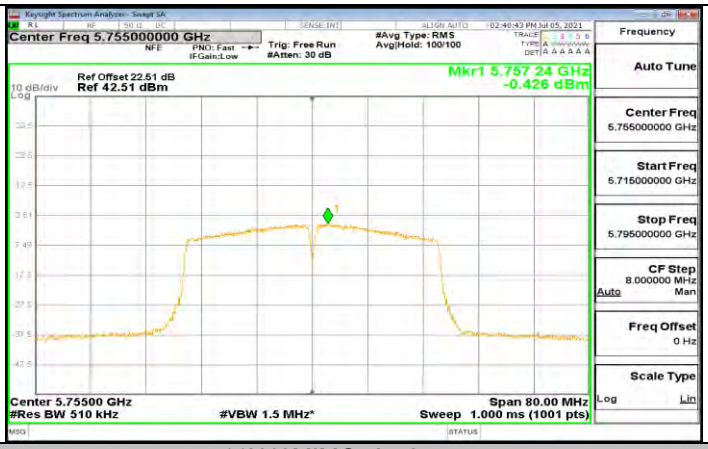
11N40MIMO_Ant1_5710_UNII-3



11N40MIMO_Ant2_5710_UNII-3

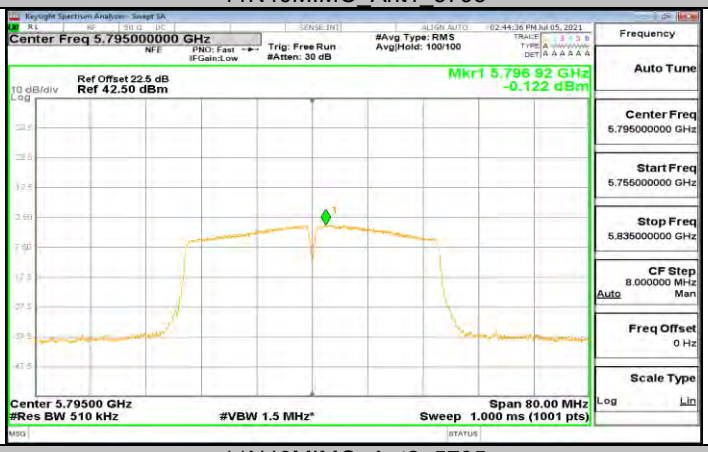


11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755

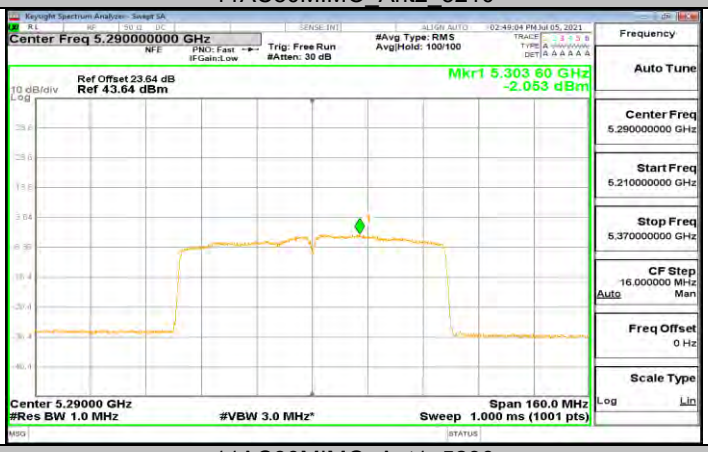
11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795

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

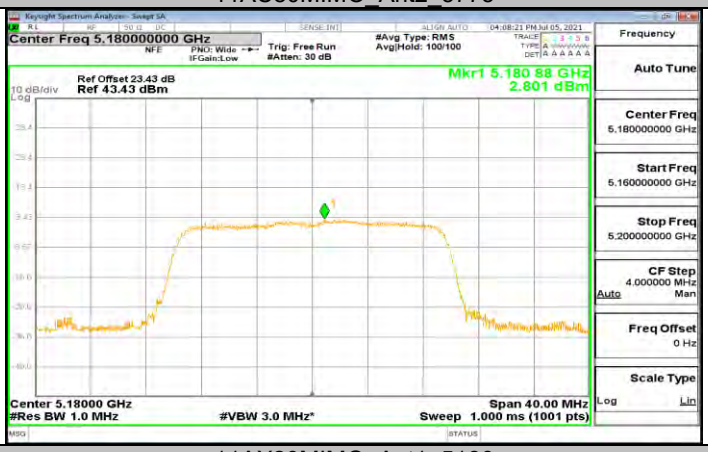
11AC80MIMO_Ant2_5690_UNII-2C

11AC80MIMO_Ant1_5690_UNII-3

11AC80MIMO_Ant2_5690_UNII-3

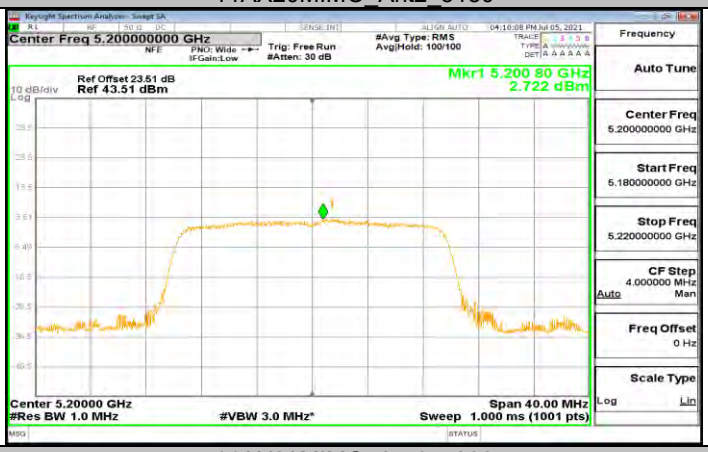
11AC80MIMO_Ant1_5775

11AC80MIMO_Ant2_5775

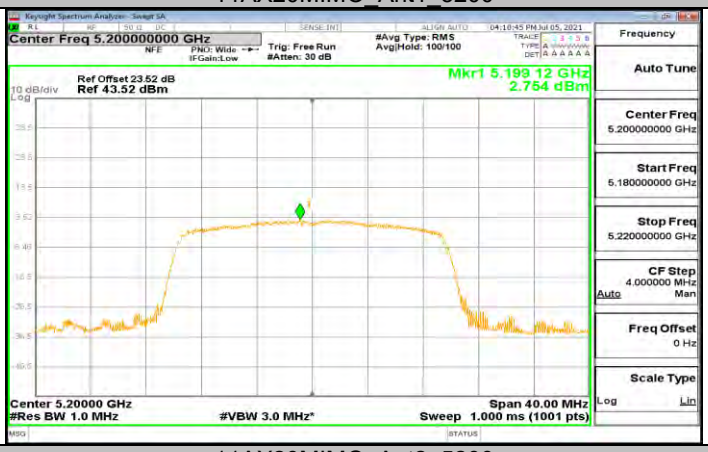


11AX20MIMO_Ant1_5180

11AX20MIMO_Ant2_5180

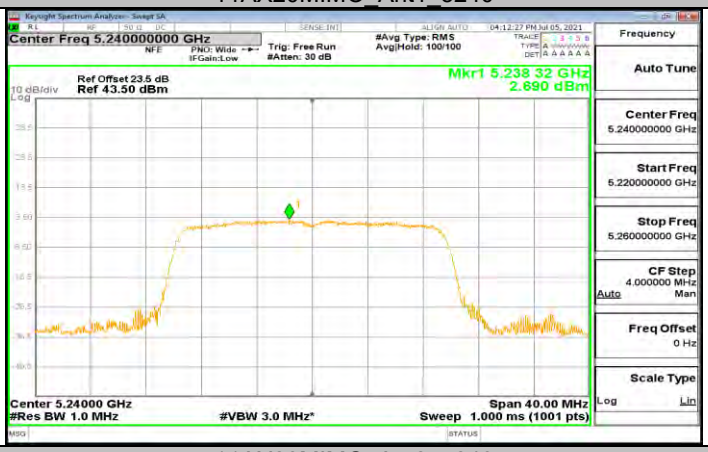


11AX20MIMO_Ant1_5200

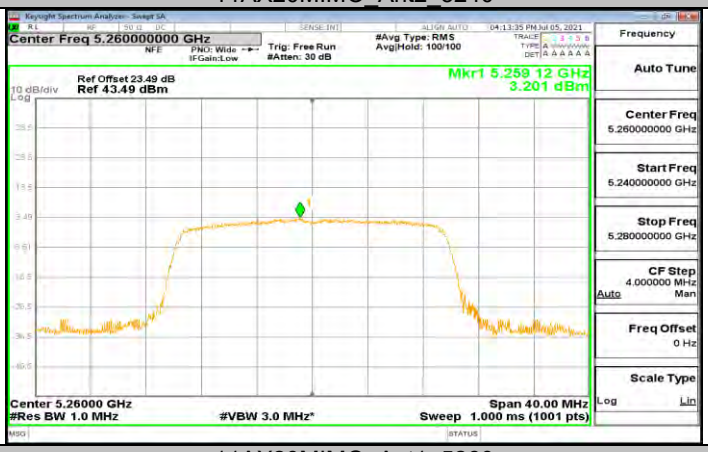


11AX20MIMO_Ant2_5200

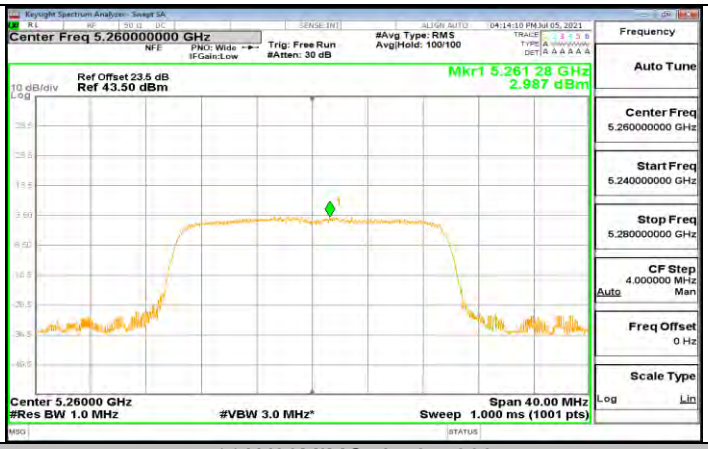
11AX20MIMO_Ant1_5240



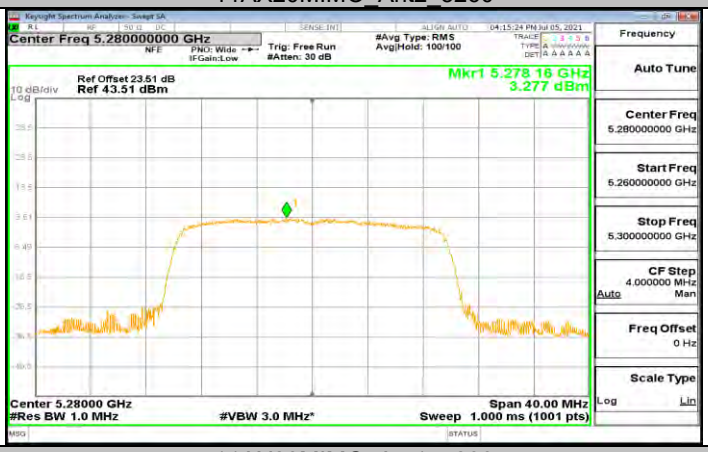
11AX20MIMO_Ant2_5240



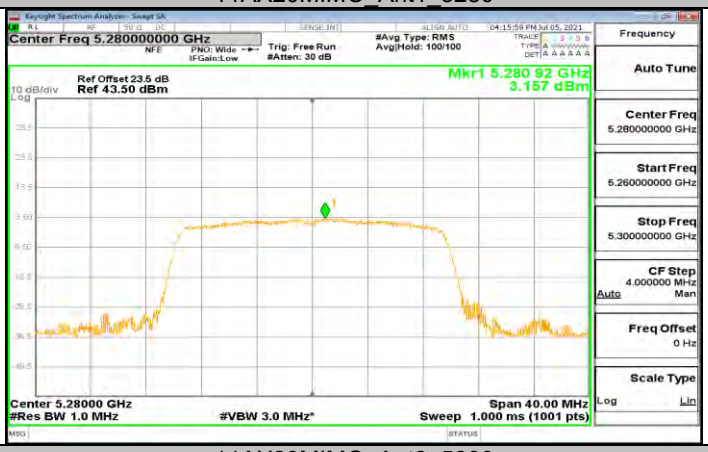
11AX20MIMO_Ant1_5260



11AX20MIMO_Ant2_5260

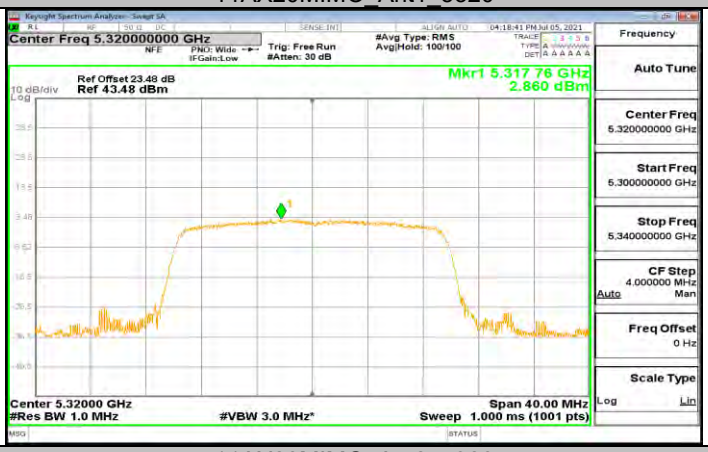


11AX20MIMO_Ant1_5280

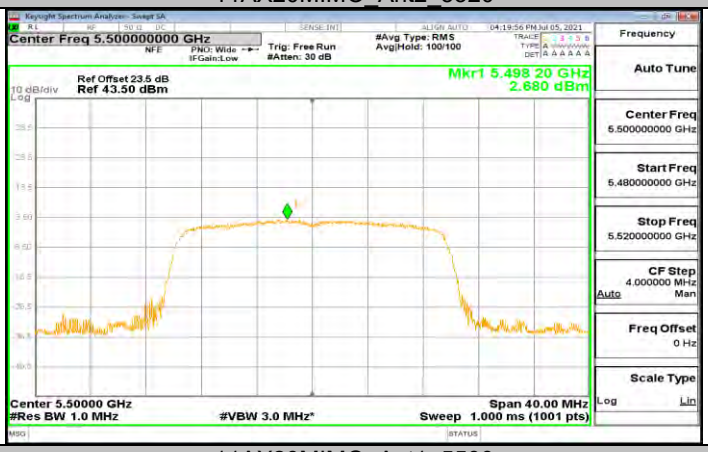


11AX20MIMO_Ant2_5280

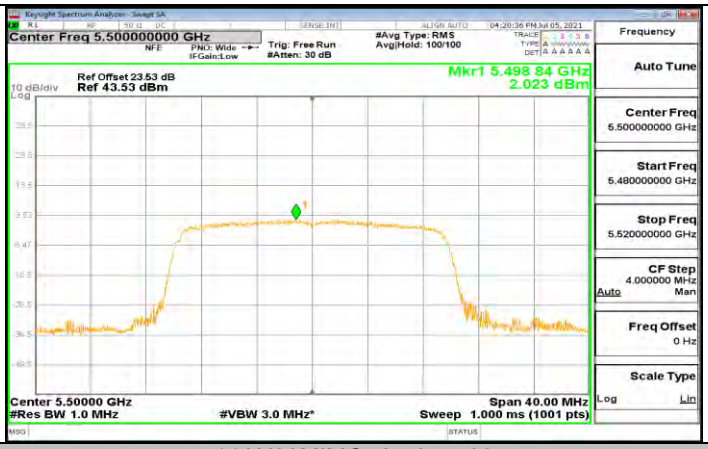
11AX20MIMO_Ant1_5320



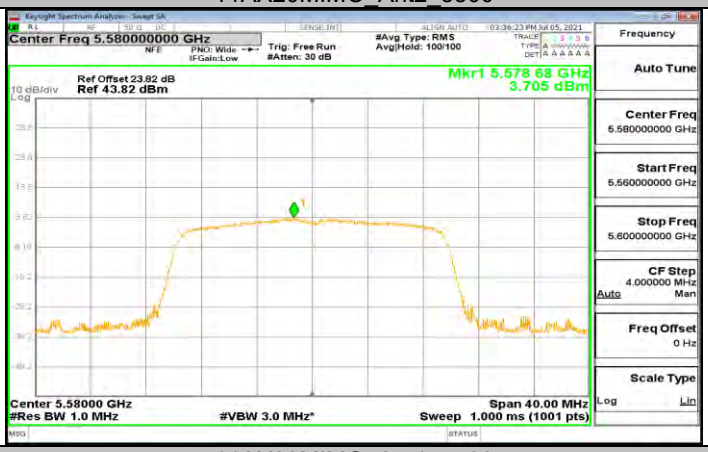
11AX20MIMO_Ant2_5320



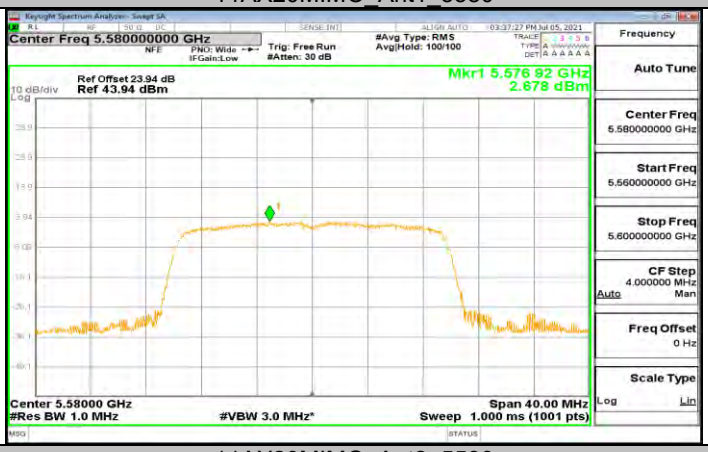
11AX20MIMO_Ant1_5500



11AX20MIMO_Ant2_5500

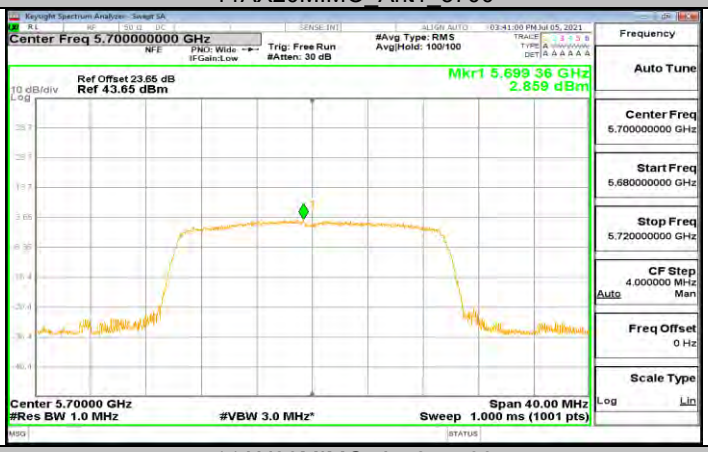


11AX20MIMO_Ant1_5580

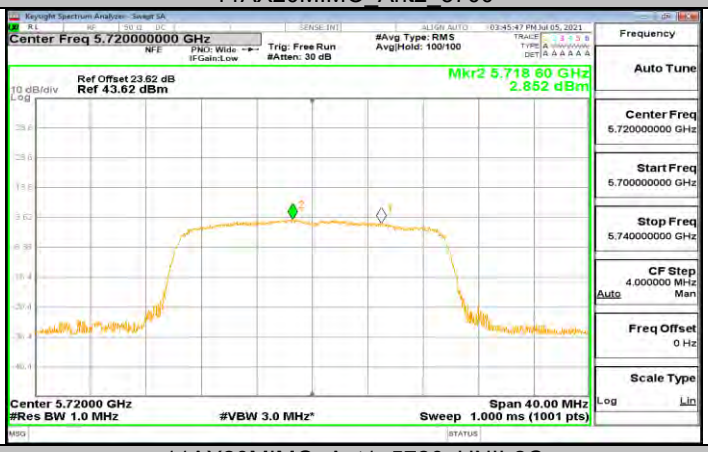


11AX20MIMO_Ant2_5580

11AX20MIMO_Ant1_5700



11AX20MIMO_Ant2_5700

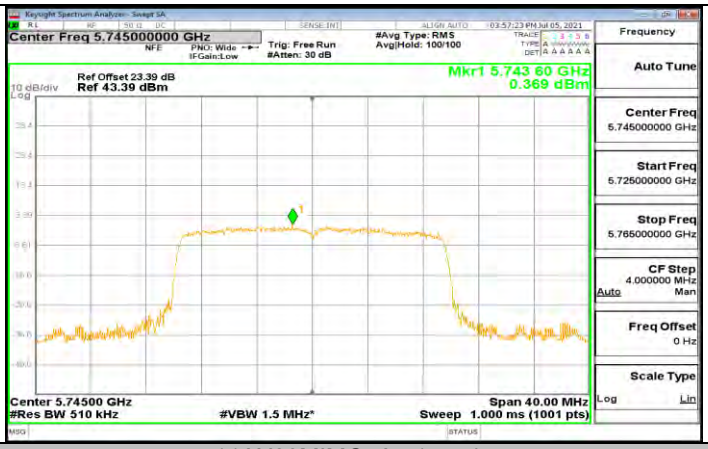


11AX20MIMO_Ant1_5720_UNII-2C

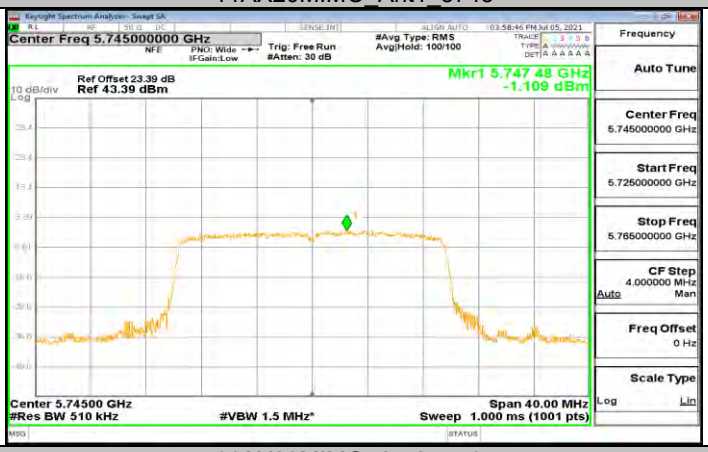
11AX20MIMO_Ant2_5720_UNII-2C

11AX20MIMO_Ant1_5720_UNII-3

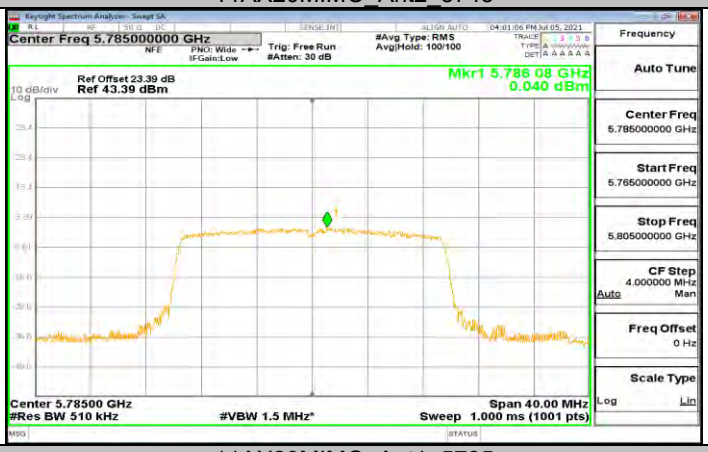
11AX20MIMO_Ant2_5720_UNII-3



11AX20MIMO_Ant1_5745

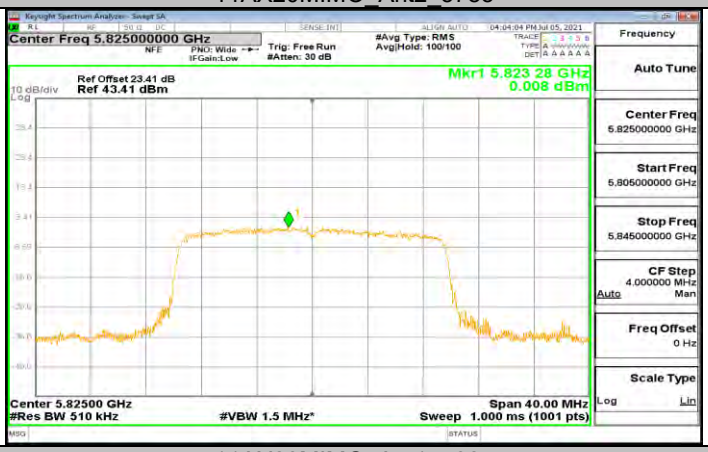


11AX20MIMO_Ant2_5745

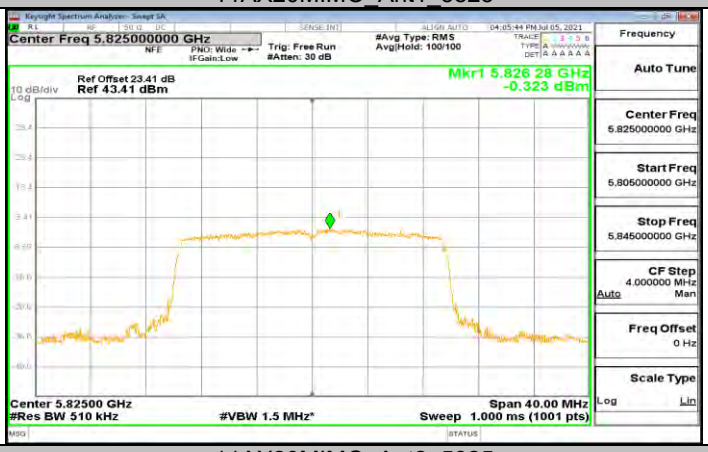


11AX20MIMO_Ant1_5785

11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



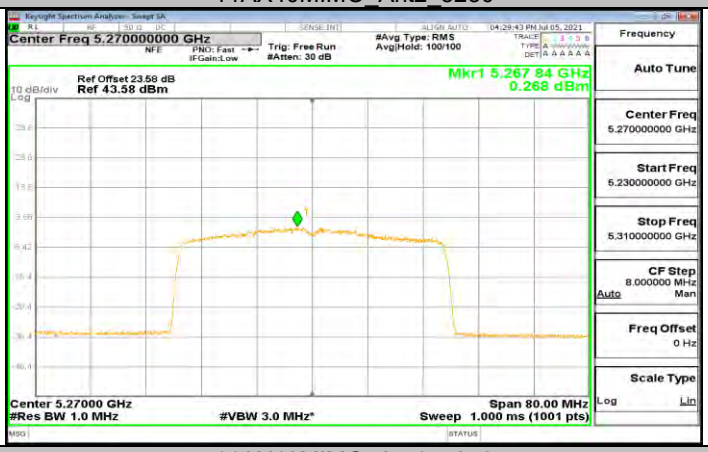
11AX20MIMO_Ant2_5825

11AX40MIMO_Ant1_5190

11AX40MIMO_Ant2_5190

11AX40MIMO_Ant1_5230

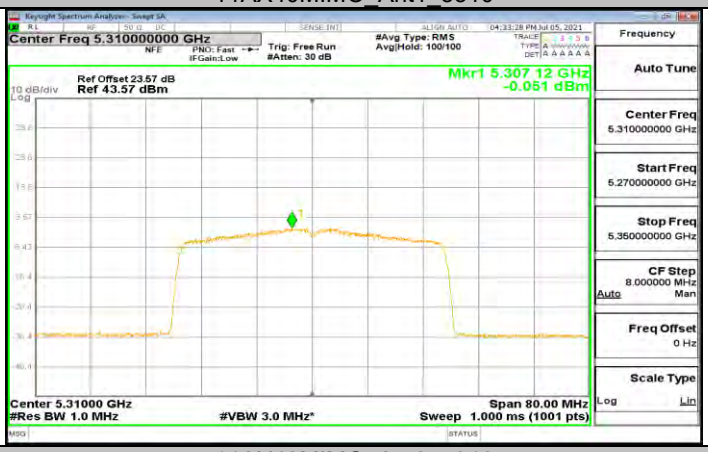
11AX40MIMO_Ant2_5230



11AX40MIMO_Ant1_5270

11AX40MIMO_Ant2_5270

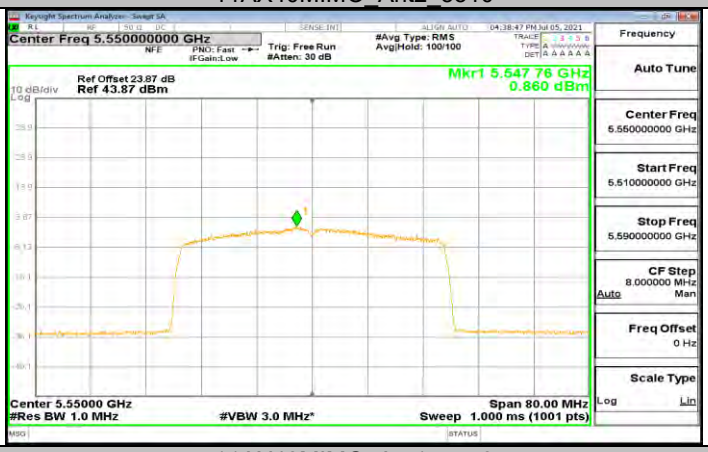
11AX40MIMO_Ant1_5310



11AX40MIMO_Ant2_5310

11AX40MIMO_Ant1_5510

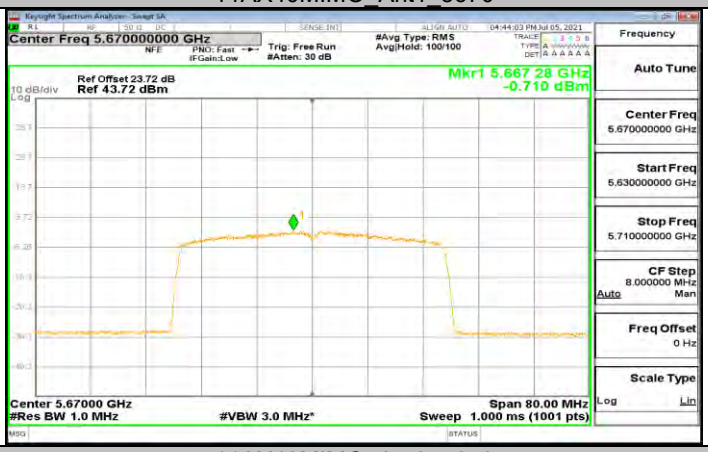
11AX40MIMO_Ant2_5510



11AX40MIMO_Ant1_5550

11AX40MIMO_Ant2_5550

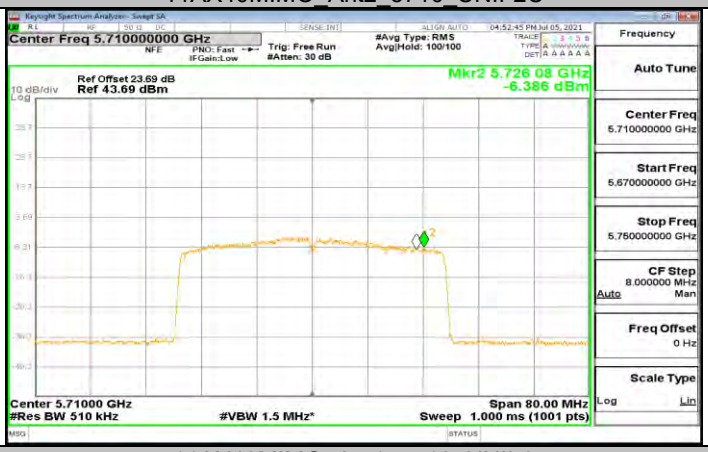
11AX40MIMO_Ant1_5670



11AX40MIMO_Ant2_5670

11AX40MIMO_Ant1_5710_UNII-2C

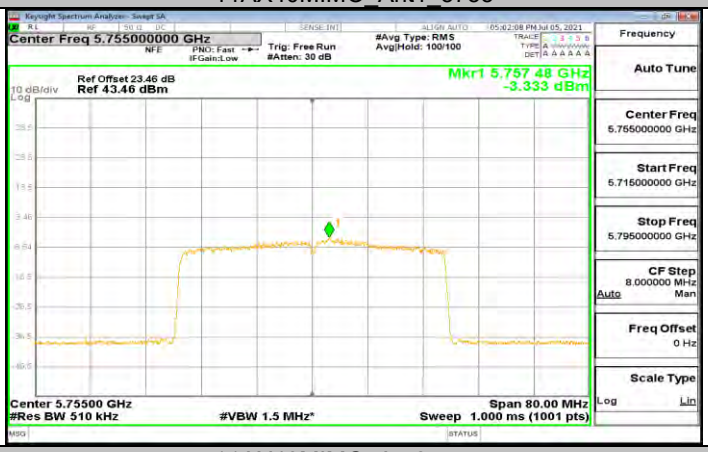
11AX40MIMO_Ant2_5710_UNII-2C



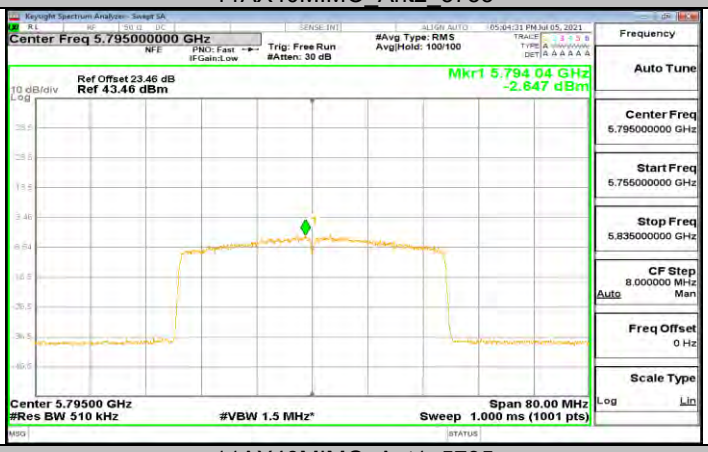
11AX40MIMO_Ant1_5710_UNII-3

11AX40MIMO_Ant2_5710_UNII-3

11AX40MIMO_Ant1_5755



11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795

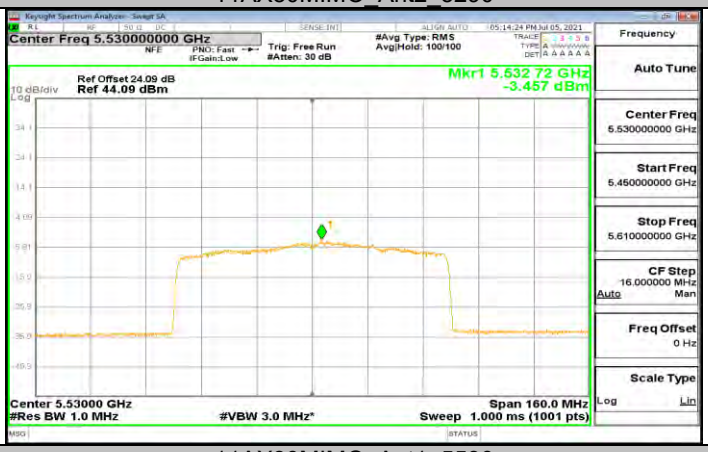
11AX40MIMO_Ant2_5795

11AX80MIMO_Ant1_5210

11AX80MIMO_Ant2_5210

11AX80MIMO_Ant1_5290

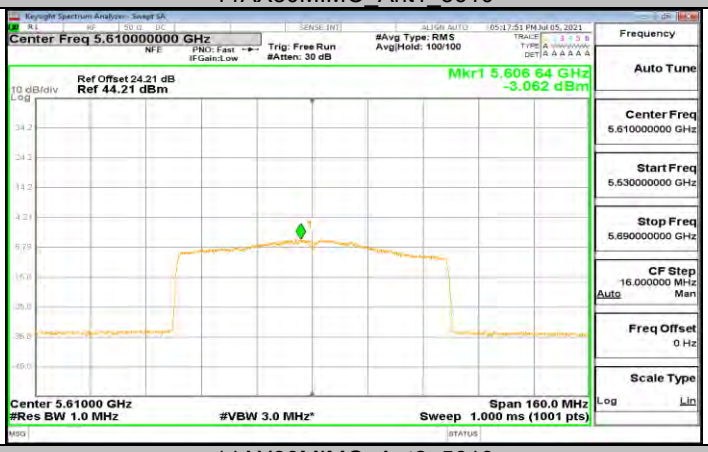
11AX80MIMO_Ant2_5290



11AX80MIMO_Ant1_5530

11AX80MIMO_Ant2_5530

11AX80MIMO_Ant1_5610

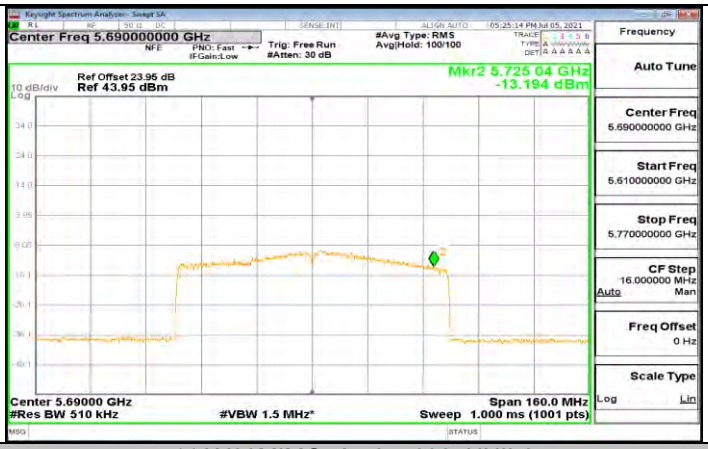


11AX80MIMO_Ant2_5610

11AX80MIMO_Ant1_5690_UNII-2C

11AX80MIMO_Ant2_5690_UNII-2C

11AX80MIMO_Ant1_5690_UNII-3



11AX80MIMO_Ant2_5690_UNII-3

11AX80MIMO_Ant1_5775

11AX80MIMO_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)
11A20	1.40	1.62	0.8642	86.42	0.63	0.71	1
11N20MIMO	1.30	1.52	0.8553	85.53	0.68	0.77	1
11N40MIMO	0.64	0.87	0.7356	73.56	1.33	1.56	2
11AX20MIMO	0.31	0.51	0.6078	60.78	2.16	3.23	4
11AX40MIMO	0.31	0.52	0.5962	59.62	2.25	3.23	4
11AX80MIMO	0.30	0.52	0.5769	57.69	2.39	3.33	4

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

11AX20MIMO_Ant1_5180

11AX40MIMO_Ant1_5190

11AX80MIMO_Ant1_5210

13.7. Appendix E: Frequency Stability

13.7.1. Test Result

Frequency Error vs. Voltage									
802.11a20:5200MHz									
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	5200.0232	4.46	5200.0066	1.26	5199.9789	-4.06	5200.0001	0.03
TN	VN	5199.9900	-1.93	5200.0241	4.64	5200.0215	4.13	5200.0157	3.01
TN	VH	5200.0071	1.37	5199.9954	-0.88	5199.9999	-0.01	5200.0068	1.30
Frequency Error vs. Temperature									
802.11a20:5200MHz									
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)
70	VN	5199.9849	-2.90	5199.9993	-0.13	5200.0173	3.33	5199.9810	-3.65
60	VN	5200.0003	0.05	5200.0173	3.33	5200.0085	1.63	5199.9928	-1.38
50	VN	5199.9907	-1.78	5200.0040	0.77	5199.9835	-3.16	5200.0220	4.24
40	VN	5200.0111	2.14	5200.0136	2.62	5200.0044	0.85	5200.0185	3.55
30	VN	5199.9849	-2.90	5199.9993	-0.13	5200.0173	3.33	5199.9810	-3.65
20	VN	5200.0010	0.20	5199.9905	-1.82	5199.9862	-2.66	5199.9771	-4.41
10	VN	5199.9999	-0.03	5200.0133	2.56	5199.9784	-4.16	5200.0225	4.32
0	VN	5200.0018	0.34	5200.0168	3.22	5200.0005	0.09	5200.0060	1.15

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	5824.9908	-1.57	5824.9937	-1.08	5825.0201	3.45	5824.9778	-3.81
TN	VN	5824.9775	-3.86	5824.9857	-2.46	5825.0215	3.69	5824.9937	-1.08
TN	VH	5825.0021	0.36	5824.9798	-3.46	5825.0034	0.58	5825.0169	2.91

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)
70	VN	5825.0140	2.41	5824.9896	-1.78	5825.0141	2.43	5824.9841	-2.74
60	VN	5825.0037	0.63	5824.9954	-0.80	5825.0070	1.21	5824.9780	-3.78
50	VN	5824.9947	-0.92	5824.9908	-1.57	5824.9892	-1.85	5825.0040	0.69
40	VN	5824.9814	-3.20	5824.9996	-0.06	5824.9795	-3.52	5825.0016	0.28
30	VN	5824.9992	-0.13	5824.9908	-1.59	5825.0014	0.24	5825.0144	2.48
20	VN	5825.0140	2.41	5824.9896	-1.78	5825.0141	2.43	5824.9841	-2.74
10	VN	5824.9877	-2.11	5825.0000	0.00	5825.0172	2.96	5824.9792	-3.57
0	VN	5824.9885	-1.97	5824.9934	-1.14	5824.9895	-1.81	5825.0191	3.28

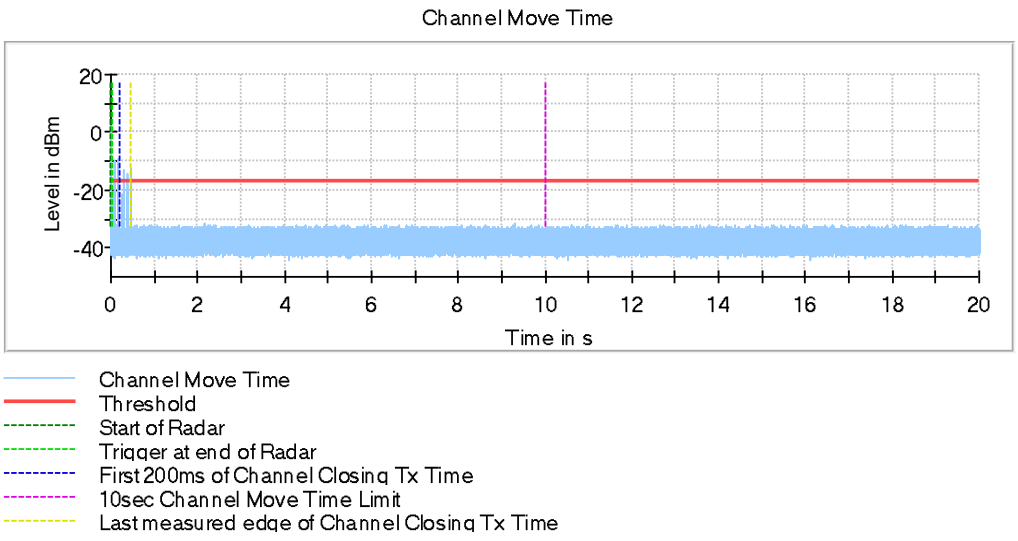
Note: All antennas and test modes have been tested, only the worst data record in the report.

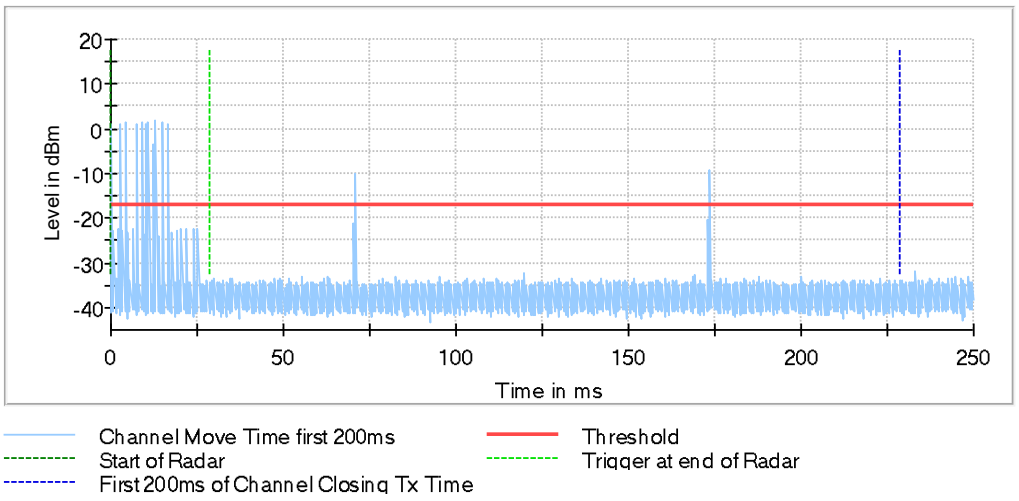
13.8. Appendix F：DYNAMIC FREQUENCY SELECTION

802.11ac VHT80 Mode

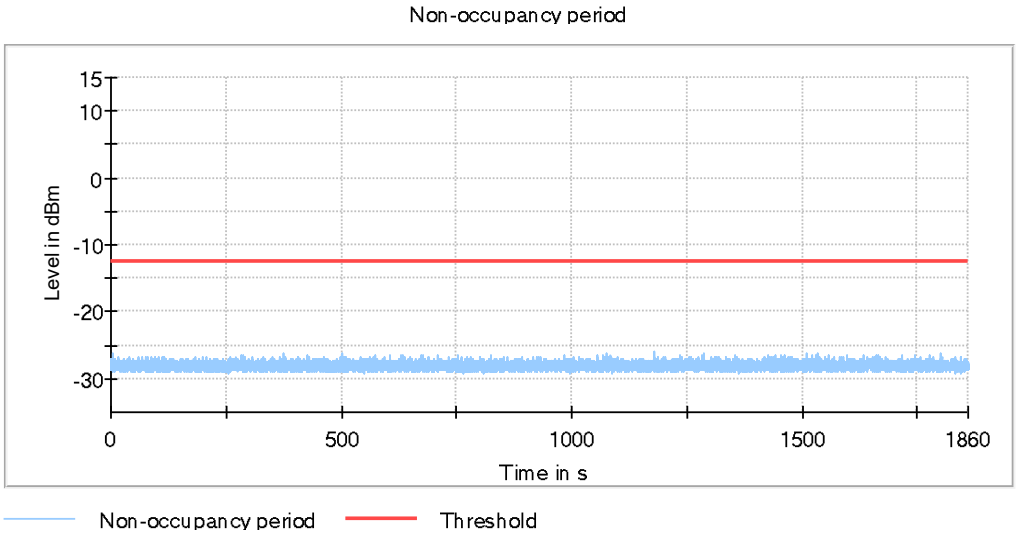
BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5530MHz	Channel Move Time	0.452S	＜10 s	pass
	Channel Closing Transmission Time	0.024S	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.	pass
	Non-Occupancy Period	Nothing appears	If the client moves with the master, 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