Appendix B: Test Results of 5GHz Wi-Fi

Appendix B.1: Test Results of Maximum Conducted output power

U-NII-1: 5150-5250MHz

Test Mode	Test Frequency (MHz)	Measured Conduted Power [dBm]					Limit[dBm]	Verdict
		Ant1	Ant2	Ant3	Ant4	MIMO		
802.11A	5180	17.70	16.95	17.84	16.52	/	30.0	Pass
	5200	17.57	16.67	17.58	16.59	/	30.0	Pass
	5240	17.53	16.13	18.06	17.55	/	30.0	Pass
802.11N20	5180	17.26	15.65	15.53	15.83	22.15	25*	Pass
	5200	18.05	15.77	15.64	15.74	22.45	25*	Pass
	5240	16.90	15.21	15.44	16.24	22.02	25*	Pass
802.11N40	5190	16.26	15.13	16.12	15.37	21.77	25*	Pass
	5230	17.45	17.07	18.07	17.10	23.46	25*	Pass
802.11AC20	5180	16.88	15.10	15.58	15.80	21.91	25*	Pass
	5200	17.04	14.85	15.20	15.20	21.68	25*	Pass
	5240	16.83	15.25	15.37	17.34	23.25	25*	Pass
802.11AC40	5190	16.49	15.04	15.99	15.45	21.80	25*	Pass
	5230	17.54	17.38	18.15	17.60	23.70	25*	Pass
802.11AC80	5210	15.87	14.23	15.69	15.41	21.37	25*	Pass
802.11AX20	5180	16.95	15.22	15.15	15.32	21.75	25*	Pass
	5200	17.57	15.33	15.64	15.99	22.54	25*	Pass
	5240	16.98	15.42	15.88	16.84	22.53	25*	Pass
802.11AX40	5190	16.80	15.27	16.48	15.41	22.06	25*	Pass
	5230	18.25	17.26	18.41	17.36	**23.87**	25*	Pass
802.11AX80	5210	16.35	14.61	16.08	15.46	21.70	25*	Pass

This device is an indoor access point.
*For WLAN 5GHz 802.11n/802.11ac/802.11ax, and the directional gain is 11dBi for MIMO mode, thus the power limit should be reduced to 25.0dBm.

U-NII-2A and U-NII-2C: 5250-5350MHz and 5470-5825MHz

Test Mode	Test Frequency (MHz)	Measured Conduted Power [dBm]					Limit[dBm]	Verdict
		Ant1	Ant2	Ant3	Ant4	MIMO		
11A	5260	18.58	17.57	18.44	17.11	/	24.0	Pass
	5280	18.55	17.40	18.41	16.65	/	24.0	Pass
	5320	17.75	17.35	18.39	17.16	/	24.0	Pass
	5500	17.46	17.41	17.82	16.62	/	24.0	Pass
	5580	18.03	17.71	17.98	17.44	/	24.0	Pass
	5700	18.68	17.50	17.93	17.19	/	24.0	Pass
	5720	18.76	17.67	17.95	16.80	/	24.0	Pass
11N20	5260	10.11	9.32	9.01	9.76	15.59	19*	Pass
	5280	10.33	10.00	8.65	9.23	15.62	19*	Pass
	5320	10.28	9.09	8.84	9.43	15.47	19*	Pass
	5500	9.85	9.91	8.77	9.59	15.57	19*	Pass
	5580	9.60	9.88	8.71	10.00	15.60	19*	Pass
	5700	10.14	9.13	7.96	8.96	15.14	19*	Pass
	5720	10.16	8.86	8.48	8.93	15.18	19*	Pass
11N40	5270	10.09	9.26	8.51	8.99	15.27	19*	Pass
	5310	10.06	9.21	8.97	10.12	15.64	19*	Pass
	5510	10.11	9.94	9.05	8.82	15.54	19*	Pass
	5550	10.02	9.78	8.70	9.58	15.57	19*	Pass
	5670	9.68	8.70	8.36	9.68	15.16	19*	Pass
	5710	10.25	9.62	8.73	9.41	15.56	19*	Pass
11AC20	5260	10.38	9.70	8.64	9.64	15.65	19*	Pass
	5280	10.11	9.03	8.89	8.62	15.22	19*	Pass
	5320	9.97	9.29	8.60	9.87	15.49	19*	Pass
	5500	10.04	10.05	8.60	9.42	15.59	19*	Pass
	5580	9.65	9.92	8.73	9.94	15.61	19*	Pass
	5700	10.22	8.82	7.94	9.41	15.20	19*	Pass
	5720	10.88	8.71	7.90	8.87	15.26	19*	Pass
11AC40	5270	10.23	9.55	8.52	9.49	15.51	19*	Pass
	5310	10.06	9.21	8.96	9.84	15.56	19*	Pass
	5510	10.06	9.56	8.64	9.35	15.45	19*	Pass
	5550	10.21	9.41	8.76	9.03	15.41	19*	Pass
	5670	10.08	8.27	8.49	9.55	15.18	19*	Pass
	5710	10.09	8.98	7.81	8.84	15.03	19*	Pass
11AC80	5290	10.06	9.24	8.93	9.29	15.42	19*	Pass
	5530	9.96	9.13	8.67	10.06	15.51	19*	Pass
	5610	9.98	9.21	9.06	9.12	15.38	19*	Pass
	5690	9.93	8.83	8.06	9.36	15.12	19*	Pass
11AC160	5250	10.31	9.14	8.62	8.96	15.33	19*	Pass
	5570	9.82	10.00	8.82	9.73	15.64	19*	Pass
11AX20	5260	10.19	9.63	8.66	9.69	15.60	19*	Pass
	5280	10.36	9.60	8.82	9.32	15.58	19*	Pass
	5320	10.12	9.05	8.73	9.56	15.42	19*	Pass
	5500	10.08	10.04	8.68	9.64	15.67	19*	Pass
	5580	9.66	10.09	8.60	10.03	15.65	19*	Pass
	5700	10.13	9.08	7.95	9.22	15.18	19*	Pass
	5720	10.12	8.90	7.98	9.04	15.10	19*	Pass
11AX40	5270	10.43	9.25	8.21	9.52	15.44	19*	Pass
	5310	10.23	9.21	8.89	9.49	15.50	19*	Pass
	5510	10.11	9.36	8.43	9.17	15.33	19*	Pass

	5550	10.30	9.03	8.86	8.99	15.36	19*	Pass
	5670	10.46	9.33	8.55	9.14	15.45	19*	Pass
	5710	10.67	9.41	8.46	9.03	15.49	19*	Pass
11AX80	5290	10.13	9.45	9.13	9.25	15.53	19*	Pass
	5530	9.66	9.52	8.41	9.80	15.40	19*	Pass
	5610	9.40	9.92	8.76	9.59	15.46	19*	Pass
	5690	9.80	8.66	7.97	9.24	14.99	19*	Pass
11AX160	5250	10.22	9.44	9.05	9.34	15.56	19*	Pass
	5570	9.72	9.94	8.64	9.60	15.52	19*	Pass

*For the WLAN 5GHz 802.11n/802.11ac/802.11ax, the directional gain is 11dBi for MIMO mode, thus the power limit should be reduced to 19dBm.
The Duty Cycle Factor is compensated in the tables.
A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW(27dBm).

U-NII-3: 5725-5850MHz

Test Mode	Test Frequency (MHz)	Measured Conduted Power [dBm]					Limit[dBm]	Verdict
		Ant1	Ant2	Ant3	Ant4	MIMO		
802.11A	5745	17.41	18.19	17.84	17.32	/	30	Pass
	5785	16.65	17.32	17.42	17.06	/	30	Pass
	5825	15.10	17.33	17.52	15.74	/	30	Pass
802.11N20	5745	17.28	17.76	17.77	16.97	23.48	25*	Pass
	5785	16.56	16.96	17.17	16.73	22.88	25*	Pass
	5825	16.68	16.99	17.26	15.40	22.66	25*	Pass
802.11N40	5755	17.66	17.96	18.14	17.70	23.89	25*	Pass
	5795	17.12	17.34	17.53	16.80	23.23	25*	Pass
802.11AC20	5745	17.37	17.68	17.90	17.25	23.58	25*	Pass
	5785	16.67	17.03	17.17	16.67	22.91	25*	Pass
	5825	16.60	16.90	17.23	15.39	22.60	25*	Pass
802.11AC40	5745	17.64	17.89	18.04	17.72	23.85	25*	Pass
	5785	17.25	17.49	17.70	16.83	23.35	25*	Pass
802.11AC80	5775	17.49	17.90	17.78	17.17	23.61	25*	Pass
802.11AX20	5745	17.92	18.45	18.13	17.71	**24.08**	25*	Pass
	5785	16.95	17.79	17.60	17.23	23.43	25*	Pass
	5825	16.96	17.59	17.67	15.97	23.12	25*	Pass
802.11AX40	5745	17.87	18.22	18.26	17.70	24.04	25*	Pass
	5785	17.24	17.49	17.69	16.92	23.37	25*	Pass
802.11AX80	5775	17.74	17.84	18.13	17.51	23.83	25*	Pass

*For WLAN 5GHz 802.11n/802.11ac/802.11ax, and the directional gain is 11dBi for MIMO mode, thus the power limit should be reduced to 25.0dBm.
The Duty Cycle Factor is compensated in the tables.

Appendix B.2: Test Results of Conducted Power Spectral Density

U-NII-1, U-NII-2A, U-NII-2C and U-NII-3

Test Mode	Antenna	Channel	Results[dBm/MHz for U-NII-1, UNII-2A and U-NII-2C; dBm/500KHz for U-NII-3]	Limit[dBm/MHz for U-NII-1, UNII-2A and U-NII-2C; dBm/500KHz for U-NII-3]	Verdict
11A-CDD	Ant1	5180	8.51	≤17	PASS
	Ant2	5180	7.93	≤17	PASS
	Ant3	5180	8.38	≤17	PASS
	Ant4	5180	7.51	≤17	PASS
	total	5180	----	----	----
	Ant1	5200	8.07	≤17	PASS
	Ant2	5200	7.53	≤17	PASS
	Ant3	5200	8.12	≤17	PASS
	Ant4	5200	7.21	≤17	PASS
	total	5200	----	----	----
	Ant1	5240	8.03	≤17	PASS
	Ant2	5240	7.32	≤17	PASS
	Ant3	5240	8.03	≤17	PASS
	Ant4	5240	7.98	≤17	PASS
	total	5240	----	----	----
	Ant1	5260	8.02	≤11.00	PASS
	Ant2	5260	7.47	≤11.00	PASS
	Ant3	5260	8.07	≤11.00	PASS
	Ant4	5260	6.85	≤11.00	PASS
	total	5260	----	----	----
	Ant1	5280	8.36	≤11.00	PASS
	Ant2	5280	7.7	≤11.00	PASS
	Ant3	5280	7.94	≤11.00	PASS
	Ant4	5280	6.43	≤11.00	PASS
	total	5280	----	----	----
	Ant1	5320	7.6	≤11.00	PASS
	Ant2	5320	7.53	≤11.00	PASS
	Ant3	5320	8.36	≤11.00	PASS
	Ant4	5320	7.2	≤11.00	PASS
	total	5320	----	----	----
	Ant1	5500	7.6	≤11.00	PASS
	Ant2	5500	8.01	≤11.00	PASS
	Ant3	5500	7.86	≤11.00	PASS
	Ant4	5500	6.83	≤11.00	PASS
	total	5500	----	----	----
	Ant1	5580	8.22	≤11.00	PASS
	Ant2	5580	8.4	≤11.00	PASS
	Ant3	5580	7.83	≤11.00	PASS
	Ant4	5580	7.33	≤11.00	PASS
	total	5580	----	----	----
	Ant1	5700	9.12	≤11.00	PASS
	Ant2	5700	8.87	≤11.00	PASS
	Ant3	5700	8.4	≤11.00	PASS
	Ant4	5700	8.15	≤11.00	PASS
	total	5700	----	----	----
	Ant1	5720_UNII-2C	8.99	≤11.00	PASS
	Ant2	5720_UNII-2C	8.02	≤11.00	PASS
	Ant3	5720_UNII-2C	7.76	≤11.00	PASS
	Ant4	5720_UNII-2C	7.71	≤11.00	PASS
	total	5720_UNII-2C	----	----	----
	Ant1	5720_UNII-3	6.64	≤30.00	PASS
	Ant2	5720_UNII-3	5.49	≤30.00	PASS
	Ant3	5720_UNII-3	5.22	≤30.00	PASS
	Ant4	5720_UNII-3	4.46	≤29.98	PASS
	total	5720_UNII-3	----	----	----

	Ant1	5745	7.49	≤30.00	PASS
	Ant2	5745	8.61	≤30.00	PASS
	Ant3	5745	7.71	≤30.00	PASS
	Ant4	5745	6.26	≤30.00	PASS
	total	5745	----	----	----
	Ant1	5785	5.59	≤30.00	PASS
	Ant2	5785	6.68	≤30.00	PASS
	Ant3	5785	6.29	≤30.00	PASS
	Ant4	5785	6.59	≤30.00	PASS
	total	5785	----	----	----
	Ant1	5825	4.19	≤30.00	PASS
	Ant2	5825	6.84	≤30.00	PASS
	Ant3	5825	6.42	≤30.00	PASS
	Ant4	5825	4.43	≤30.00	PASS
	total	5825	----	----	----
11N20MIMO	Ant1	5180	6.89	≤17	PASS
	Ant2	5180	4.97	≤17	PASS
	Ant3	5180	4.52	≤17	PASS
	Ant4	5180	5.3	≤17	PASS
	total	5180	11.54	≤12.00*	PASS
	Ant1	5200	7.17	≤17	PASS
	Ant2	5200	5.24	≤17	PASS
	Ant3	5200	4.45	≤17	PASS
	Ant4	5200	5.05	≤17	PASS
	total	5200	11.63	≤12.00*	PASS
	Ant1	5240	6.15	≤17	PASS
	Ant2	5240	4.58	≤17	PASS
	Ant3	5240	4.15	≤17	PASS
	Ant4	5240	5.55	≤17	PASS
	total	5240	11.20	≤12.00*	PASS
	Ant1	5260	0.04	≤11.00	PASS
	Ant2	5260	-1.24	≤11.00	PASS
	Ant3	5260	-2.15	≤11.00	PASS
	Ant4	5260	-0.94	≤11.00	PASS
	total	5260	5.02	≤6.00*	PASS
	Ant1	5280	-0.31	≤11.00	PASS
	Ant2	5280	-0.91	≤11.00	PASS
	Ant3	5280	-2.34	≤11.00	PASS
	Ant4	5280	-2.07	≤11.00	PASS
	total	5280	4.69	≤6.00*	PASS
	Ant1	5320	-0.48	≤11.00	PASS
	Ant2	5320	-1.26	≤11.00	PASS
	Ant3	5320	-2.16	≤11.00	PASS
	Ant4	5320	-2.52	≤11.00	PASS
	total	5320	4.46	≤6.00*	PASS
	Ant1	5500	-0.3	≤11.00	PASS
	Ant2	5500	-0.43	≤11.00	PASS
	Ant3	5500	-2.09	≤11.00	PASS
	Ant4	5500	-1.08	≤11.00	PASS
	total	5500	5.10	≤6.00*	PASS
	Ant1	5580	-0.5	≤11.00	PASS
	Ant2	5580	-0.36	≤11.00	PASS
	Ant3	5580	-2.05	≤11.00	PASS
	Ant4	5580	-0.96	≤11.00	PASS
	total	5580	5.10	≤6.00*	PASS
	Ant1	5700	0.11	≤11.00	PASS
	Ant2	5700	-0.75	≤11.00	PASS
	Ant3	5700	-2.03	≤11.00	PASS
	Ant4	5700	-0.73	≤11.00	PASS
	total	5700	5.24	≤6.00*	PASS
	Ant1	5720_UNII-2C	0.06	≤11.00	PASS
	Ant2	5720_UNII-2C	-1.82	≤11.00	PASS
	Ant3	5720_UNII-2C	-2.09	≤11.00	PASS

	Ant4	5720_UNII-2C	-0.86	≤11.00	PASS
	total	5720_UNII-2C	4.93	≤6.00*	PASS
	Ant1	5720_UNII-3	-2.75	≤30.00	PASS
	Ant2	5720_UNII-3	-4.61	≤30.00	PASS
	Ant3	5720_UNII-3	-5.06	≤30.00	PASS
	Ant4	5720_UNII-3	-4.25	≤30.00	PASS
	total	5720_UNII-3	1.94	≤25.00*	PASS
	Ant1	5745	7.46	≤30.00	PASS
	Ant2	5745	8.11	≤30.00	PASS
	Ant3	5745	7.56	≤30.00	PASS
	Ant4	5745	6.27	≤30.00	PASS
	total	5745	13.42	≤25.00*	PASS
	Ant1	5785	5.46	≤30.00	PASS
	Ant2	5785	6.26	≤30.00	PASS
	Ant3	5785	5.82	≤30.00	PASS
	Ant4	5785	6.08	≤30.00	PASS
	total	5785	11.94	≤25.00*	PASS
	Ant1	5825	5.57	≤30.00	PASS
	Ant2	5825	5.93	≤30.00	PASS
	Ant3	5825	6.14	≤30.00	PASS
	Ant4	5825	4.08	≤30.00	PASS
	total	5825	11.52	≤25.00*	PASS
11N40MIMO	Ant1	5190	2.81	≤17	PASS
	Ant2	5190	1.37	≤17	PASS
	Ant3	5190	2.42	≤17	PASS
	Ant4	5190	1.73	≤17	PASS
	total	5190	8.14	≤17.00	PASS
	Ant1	5230	5	≤17	PASS
	Ant2	5230	4.76	≤17	PASS
	Ant3	5230	5.42	≤17	PASS
	Ant4	5230	4.87	≤17	PASS
	total	5230	11.04	≤17.00	PASS
	Ant1	5270	-3.88	≤11.00	PASS
	Ant2	5270	-4.79	≤11.00	PASS
	Ant3	5270	-5.46	≤11.00	PASS
	Ant4	5270	-5.05	≤11.00	PASS
	total	5270	1.27	≤11.00	PASS
	Ant1	5310	-3.59	≤11.00	PASS
	Ant2	5310	-4.97	≤11.00	PASS
	Ant3	5310	-5.42	≤11.00	PASS
	Ant4	5310	-4.26	≤11.00	PASS
	total	5310	1.52	≤11.00	PASS
	Ant1	5510	-2.97	≤11.00	PASS
	Ant2	5510	-3.44	≤11.00	PASS
	Ant3	5510	-4.7	≤11.00	PASS
	Ant4	5510	-3.66	≤11.00	PASS
	total	5510	2.37	≤11.00	PASS
	Ant1	5550	-3.63	≤11.00	PASS
	Ant2	5550	-4.29	≤11.00	PASS
	Ant3	5550	-5.48	≤11.00	PASS
	Ant4	5550	-3.72	≤11.00	PASS
	total	5550	1.80	≤11.00	PASS
	Ant1	5670	-3.19	≤11.00	PASS
	Ant2	5670	-4.53	≤11.00	PASS
	Ant3	5670	-4.95	≤11.00	PASS
	Ant4	5670	-3.82	≤11.00	PASS
	total	5670	1.95	≤11.00	PASS
	Ant1	5710_UNII-2C	-1.5	≤11.00	PASS
	Ant2	5710_UNII-2C	-3.27	≤11.00	PASS
	Ant3	5710_UNII-2C	-4.41	≤11.00	PASS
	Ant4	5710_UNII-2C	-2.2	≤11.00	PASS
	total	5710_UNII-2C	3.31	≤11.00	PASS
	Ant1	5710_UNII-3	-5.9	≤30.00	PASS

	Ant2	5710_UNII-3	-7.78	≤30.00	PASS
	Ant3	5710_UNII-3	-8.94	≤30.00	PASS
	Ant4	5710_UNII-3	-7.27	≤30.00	PASS
	total	5710_UNII-3	-1.31	≤11.00	PASS
	Ant1	5755	4.58	≤30.00	PASS
	Ant2	5755	5	≤30.00	PASS
	Ant3	5755	4.49	≤30.00	PASS
	Ant4	5755	3.59	≤30.00	PASS
	total	5755	10.47	≤30.00	PASS
	Ant1	5795	2.53	≤30.00	PASS
	Ant2	5795	2.89	≤30.00	PASS
	Ant3	5795	2.84	≤30.00	PASS
	Ant4	5795	3.27	≤30.00	PASS
	total	5795	8.91	≤30.00	PASS
11AC20MIMO	Ant1	5180	6.65	≤17	PASS
	Ant2	5180	4.37	≤17	PASS
	Ant3	5180	4.64	≤17	PASS
	Ant4	5180	5.61	≤17	PASS
	total	5180	11.43	≤12.00*	PASS
	Ant1	5200	6.28	≤17	PASS
	Ant2	5200	4.15	≤17	PASS
	Ant3	5200	4.01	≤17	PASS
	Ant4	5200	4.62	≤17	PASS
	total	5200	10.89	≤12.00*	PASS
	Ant1	5240	6.41	≤17	PASS
	Ant2	5240	4.3	≤17	PASS
	Ant3	5240	3.86	≤17	PASS
	Ant4	5240	5.65	≤17	PASS
	total	5240	11.20	≤12.00*	PASS
	Ant1	5260	-0.56	≤11.00	PASS
	Ant2	5260	-1.3	≤11.00	PASS
	Ant3	5260	-2.8	≤11.00	PASS
	Ant4	5260	-1.75	≤11.00	PASS
	total	5260	4.49	≤6.00*	PASS
	Ant1	5280	-0.01	≤11.00	PASS
	Ant2	5280	-1.44	≤11.00	PASS
	Ant3	5280	-2.6	≤11.00	PASS
	Ant4	5280	-1.7	≤11.00	PASS
	total	5280	4.69	≤6.00*	PASS
	Ant1	5320	-44.05	≤11.00	PASS
	Ant2	5320	-1.26	≤11.00	PASS
	Ant3	5320	-2.1	≤11.00	PASS
	Ant4	5320	-1.27	≤11.00	PASS
	total	5320	4.78	≤6.00*	PASS
	Ant1	5500	-0.09	≤11.00	PASS
	Ant2	5500	-0.23	≤11.00	PASS
	Ant3	5500	-2.31	≤11.00	PASS
	Ant4	5500	-0.98	≤11.00	PASS
	total	5500	5.20	≤6.00*	PASS
	Ant1	5580	-0.65	≤11.00	PASS
	Ant2	5580	-0.85	≤11.00	PASS
	Ant3	5580	-2.1	≤11.00	PASS
	Ant4	5580	-1.01	≤11.00	PASS
	total	5580	4.90	≤6.00*	PASS
	Ant1	5700	0.04	≤11.00	PASS
	Ant2	5700	-1.22	≤11.00	PASS
	Ant3	5700	-1.99	≤11.00	PASS
	Ant4	5700	-0.42	≤11.00	PASS
	total	5700	5.19	≤6.00*	PASS
	Ant1	5720_UNII-2C	0.97	≤11.00	PASS
	Ant2	5720_UNII-2C	-1.63	≤11.00	PASS
	Ant3	5720_UNII-2C	-2.57	≤11.00	PASS
	Ant4	5720_UNII-2C	-0.93	≤11.00	PASS

	total	5720_UNII-2C	5.18	≤6.00*	PASS
	Ant1	5720_UNII-3	-2.15	≤30.00	PASS
	Ant2	5720_UNII-3	-4.75	≤30.00	PASS
	Ant3	5720_UNII-3	-5.47	≤30.00	PASS
	Ant4	5720_UNII-3	-3.93	≤30.00	PASS
	total	5720_UNII-3	2.13	≤25.00*	PASS
	Ant1	5745	7.09	≤30.00	PASS
	Ant2	5745	8.08	≤30.00	PASS
	Ant3	5745	7.65	≤30.00	PASS
	Ant4	5745	6.18	≤30.00	PASS
	total	5745	13.33	≤25.00*	PASS
	Ant1	5785	4.92	≤30.00	PASS
	Ant2	5785	6.38	≤30.00	PASS
	Ant3	5785	5.82	≤30.00	PASS
	Ant4	5785	6.16	≤30.00	PASS
	total	5785	11.88	≤25.00*	PASS
	Ant1	5825	5.44	≤30.00	PASS
	Ant2	5825	6.26	≤30.00	PASS
	Ant3	5825	6.18	≤30.00	PASS
	Ant4	5825	3.7	≤30.00	PASS
	total	5825	11.53	≤25.00*	PASS
11AC40MIMO	Ant1	5190	2.41	≤17	PASS
	Ant2	5190	1.22	≤17	PASS
	Ant3	5190	2.24	≤17	PASS
	Ant4	5190	1.81	≤17	PASS
	total	5190	7.96	≤12.00*	PASS
	Ant1	5230	5.16	≤17	PASS
	Ant2	5230	5.25	≤17	PASS
	Ant3	5230	5.6	≤17	PASS
	Ant4	5230	5.1	≤17	PASS
	total	5230	11.30	≤12.00*	PASS
	Ant1	5270	-4.24	≤11.00	PASS
	Ant2	5270	-4.89	≤11.00	PASS
	Ant3	5270	-5.94	≤11.00	PASS
	Ant4	5270	-5.02	≤11.00	PASS
	total	5270	1.04	≤6.00*	PASS
	Ant1	5310	-3.79	≤11.00	PASS
	Ant2	5310	-5.17	≤11.00	PASS
	Ant3	5310	-5.19	≤11.00	PASS
	Ant4	5310	-3.9	≤11.00	PASS
	total	5310	1.56	≤6.00*	PASS
	Ant1	5510	-3.2	≤11.00	PASS
	Ant2	5510	-4.03	≤11.00	PASS
	Ant3	5510	-5.39	≤11.00	PASS
	Ant4	5510	-3.92	≤11.00	PASS
	total	5510	1.96	≤6.00*	PASS
	Ant1	5550	-4.44	≤11.00	PASS
	Ant2	5550	-4.31	≤11.00	PASS
	Ant3	5550	-5.66	≤11.00	PASS
	Ant4	5550	-3.76	≤11.00	PASS
	total	5550	1.53	≤6.00*	PASS
	Ant1	5670	-3.28	≤11.00	PASS
	Ant2	5670	-4.59	≤11.00	PASS
	Ant3	5670	-4.96	≤11.00	PASS
	Ant4	5670	-3.9	≤11.00	PASS
	total	5670	1.89	≤6.00*	PASS
	Ant1	5710_UNII-2C	-2.87	≤11.00	PASS
	Ant2	5710_UNII-2C	-4.64	≤11.00	PASS
	Ant3	5710_UNII-2C	-5.55	≤11.00	PASS
	Ant4	5710_UNII-2C	-3.61	≤11.00	PASS
	total	5710_UNII-2C	1.97	≤6.00*	PASS
	Ant1	5710_UNII-3	-6.97	≤30.00	PASS
	Ant2	5710_UNII-3	-8.43	≤30.00	PASS

	Ant3	5710_UNII-3	-10.06	≤30.00	PASS
	Ant4	5710_UNII-3	-8.9	≤30.00	PASS
	total	5710_UNII-3	-2.43	≤25.00*	PASS
	Ant1	5755	4.41	≤30.00	PASS
	Ant2	5755	4.76	≤30.00	PASS
	Ant3	5755	4.74	≤30.00	PASS
	Ant4	5755	3.86	≤30.00	PASS
	total	5755	10.48	≤25.00*	PASS
	Ant1	5795	3.25	≤30.00	PASS
	Ant2	5795	3.63	≤30.00	PASS
	Ant3	5795	3.33	≤30.00	PASS
	Ant4	5795	3.14	≤30.00	PASS
	total	5795	9.36	≤25.00*	PASS
11AC80MIMO	Ant1	5210	-1.3	≤17	PASS
	Ant2	5210	-3.07	≤17	PASS
	Ant3	5210	-1.4	≤17	PASS
	Ant4	5210	-1.8	≤17	PASS
	total	5210	4.18	≤12.00*	PASS
	Ant1	5290	-7.04	≤11.00	PASS
	Ant2	5290	-7.26	≤11.00	PASS
	Ant3	5290	-8.41	≤11.00	PASS
	Ant4	5290	-8.3	≤11.00	PASS
	total	5290	-1.69	≤6.00*	PASS
	Ant1	5530	-5.72	≤11.00	PASS
	Ant2	5530	-6.72	≤11.00	PASS
	Ant3	5530	-7.77	≤11.00	PASS
	Ant4	5530	-6.55	≤11.00	PASS
	total	5530	-0.61	≤6.00*	PASS
	Ant1	5610	-7.45	≤11.00	PASS
	Ant2	5610	-6.7	≤11.00	PASS
	Ant3	5610	-8.92	≤11.00	PASS
	Ant4	5610	-7.51	≤11.00	PASS
	total	5610	-1.55	≤6.00*	PASS
	Ant1	5690_UNII-2C	-6.22	≤11.00	PASS
	Ant2	5690_UNII-2C	-7.74	≤11.00	PASS
	Ant3	5690_UNII-2C	-8.54	≤11.00	PASS
	Ant4	5690_UNII-2C	-7.33	≤11.00	PASS
	total	5690_UNII-2C	-1.36	≤6.00*	PASS
	Ant1	5690_UNII-3	-11.24	≤30.00	PASS
	Ant2	5690_UNII-3	-13.1	≤30.00	PASS
	Ant3	5690_UNII-3	-14.43	≤30.00	PASS
	Ant4	5690_UNII-3	-12.96	≤30.00	PASS
	total	5690_UNII-3	-6.76	≤25.00*	PASS
	Ant1	5775	0.21	≤30.00	PASS
	Ant2	5775	0.83	≤30.00	PASS
	Ant3	5775	0.23	≤30.00	PASS
	Ant4	5775	0.41	≤30.00	PASS
	total	5775	6.45	≤25.00*	PASS
11AC160MIMO	Ant1	5250	-9.18	≤11.00	PASS
	Ant2	5250	-10.69	≤11.00	PASS
	Ant3	5250	-11.63	≤11.00	PASS
	Ant4	5250	-11.2	≤11.00	PASS
	total	5250	-4.55	≤6.00*	PASS
	Ant1	5570	-9.25	≤11.00	PASS
	Ant2	5570	-8.79	≤11.00	PASS
	Ant3	5570	-10.35	≤11.00	PASS
	Ant4	5570	-9.06	≤11.00	PASS
	total	5570	-3.30	≤6.00*	PASS
11AX20MIMO	Ant1	5180	6.6	≤17	PASS
	Ant2	5180	4.7	≤17	PASS
	Ant3	5180	4.17	≤17	PASS
	Ant4	5180	4.81	≤17	PASS
	total	5180	11.19	≤12.00*	PASS

	Ant1	5200	6.66	≤17	PASS
	Ant2	5200	4.65	≤17	PASS
	Ant3	5200	4.32	≤17	PASS
	Ant4	5200	4.86	≤17	PASS
	total	5200	11.24	≤12.00*	PASS
	Ant1	5240	6.38	≤17	PASS
	Ant2	5240	4.35	≤17	PASS
	Ant3	5240	3.9	≤17	PASS
	Ant4	5240	5.45	≤17	PASS
	total	5240	11.15	≤12.00*	PASS
	Ant1	5260	-0.81	≤11.00	PASS
	Ant2	5260	-1.28	≤11.00	PASS
	Ant3	5260	-2.86	≤11.00	PASS
	Ant4	5260	-1.49	≤11.00	PASS
	total	5260	4.47	≤6.00*	PASS
	Ant1	5280	-0.65	≤11.00	PASS
	Ant2	5280	-1.2	≤11.00	PASS
	Ant3	5280	-2.72	≤11.00	PASS
	Ant4	5280	-1.77	≤11.00	PASS
	total	5280	4.50	≤6.00*	PASS
	Ant1	5320	-0.75	≤11.00	PASS
	Ant2	5320	-1.38	≤11.00	PASS
	Ant3	5320	-2.5	≤11.00	PASS
	Ant4	5320	-1.21	≤11.00	PASS
	total	5320	4.61	≤6.00*	PASS
	Ant1	5500	0.02	≤11.00	PASS
	Ant2	5500	-0.01	≤11.00	PASS
	Ant3	5500	-2.36	≤11.00	PASS
	Ant4	5500	-1.1	≤11.00	PASS
	total	5500	5.26	≤6.00*	PASS
	Ant1	5580	-0.8	≤11.00	PASS
	Ant2	5580	-0.76	≤11.00	PASS
	Ant3	5580	-2.12	≤11.00	PASS
	Ant4	5580	-0.75	≤11.00	PASS
	total	5580	4.95	≤6.00*	PASS
	Ant1	5700	0.08	≤11.00	PASS
	Ant2	5700	-1.04	≤11.00	PASS
	Ant3	5700	-1.93	≤11.00	PASS
	Ant4	5700	-0.56	≤11.00	PASS
	total	5700	5.22	≤6.00*	PASS
	Ant1	5720_UNII-2C	0.62	≤11.00	PASS
	Ant2	5720_UNII-2C	-1.5	≤11.00	PASS
	Ant3	5720_UNII-2C	-2.75	≤11.00	PASS
	Ant4	5720_UNII-2C	-0.68	≤11.00	PASS
	total	5720_UNII-2C	5.12	≤6.00*	PASS
	Ant1	5720_UNII-3	-2.41	≤30.00	PASS
	Ant2	5720_UNII-3	-3.91	≤30.00	PASS
	Ant3	5720_UNII-3	-5.58	≤30.00	PASS
	Ant4	5720_UNII-3	-3.85	≤30.00	PASS
	total	5720_UNII-3	2.23	≤25.00*	PASS
	Ant1	5745	7.5	≤30.00	PASS
	Ant2	5745	8.6	≤30.00	PASS
	Ant3	5745	8.18	≤30.00	PASS
	Ant4	5745	6.75	≤30.00	PASS
	total	5745	13.83	≤25.00*	PASS
	Ant1	5785	5.6	≤30.00	PASS
	Ant2	5785	6.83	≤30.00	PASS
	Ant3	5785	5.79	≤30.00	PASS
	Ant4	5785	6.36	≤30.00	PASS
	total	5785	12.19	≤25.00*	PASS
	Ant1	5825	5.33	≤30.00	PASS
	Ant2	5825	6.65	≤30.00	PASS
	Ant3	5825	5.96	≤30.00	PASS

	Ant4	5825	4.05	≤30.00	PASS
	total	5825	11.62	≤25.00*	PASS
11AX40MIMO	Ant1	5190	3.09	≤17	PASS
	Ant2	5190	1.56	≤17	PASS
	Ant3	5190	2.74	≤17	PASS
	Ant4	5190	1.75	≤17	PASS
	total	5190	8.35	≤12.00*	PASS
	Ant1	5230	4.32	≤17	PASS
	Ant2	5230	3.77	≤17	PASS
	Ant3	5230	4.24	≤17	PASS
	Ant4	5230	3.43	≤17	PASS
	total	5230	9.98	≤12.00*	PASS
	Ant1	5270	-4.1	≤11.00	PASS
	Ant2	5270	-4.44	≤11.00	PASS
	Ant3	5270	-5.63	≤11.00	PASS
	Ant4	5270	-5.26	≤11.00	PASS
	total	5270	1.21	≤6.00*	PASS
	Ant1	5310	-4.28	≤11.00	PASS
	Ant2	5310	-5.39	≤11.00	PASS
	Ant3	5310	-5.89	≤11.00	PASS
	Ant4	5310	-4.75	≤11.00	PASS
	total	5310	0.99	≤6.00*	PASS
	Ant1	5510	-3.22	≤11.00	PASS
	Ant2	5510	-3.68	≤11.00	PASS
	Ant3	5510	-5.16	≤11.00	PASS
	Ant4	5510	-4.08	≤11.00	PASS
	total	5510	2.04	≤6.00*	PASS
	Ant1	5550	-5.21	≤11.00	PASS
	Ant2	5550	-5.01	≤11.00	PASS
	Ant3	5550	-6.85	≤11.00	PASS
	Ant4	5550	-5	≤11.00	PASS
	total	5550	0.57	≤6.00*	PASS
	Ant1	5670	-4.72	≤11.00	PASS
	Ant2	5670	-5.5	≤11.00	PASS
	Ant3	5670	-6.11	≤11.00	PASS
	Ant4	5670	-4.63	≤11.00	PASS
	total	5670	0.82	≤6.00*	PASS
	Ant1	5710_UNII-2C	-2.67	≤11.00	PASS
	Ant2	5710_UNII-2C	-4.11	≤11.00	PASS
	Ant3	5710_UNII-2C	-5.06	≤11.00	PASS
	Ant4	5710_UNII-2C	-3.65	≤11.00	PASS
	total	5710_UNII-2C	2.23	≤6.00*	PASS
	Ant1	5710_UNII-3	-6.75	≤30.00	PASS
	Ant2	5710_UNII-3	-8.4	≤30.00	PASS
	Ant3	5710_UNII-3	-9.3	≤30.00	PASS
	Ant4	5710_UNII-3	-8.36	≤30.00	PASS
	total	5710_UNII-3	-2.08	≤25.00*	PASS
	Ant1	5755	4.35	≤30.00	PASS
	Ant2	5755	4.99	≤30.00	PASS
	Ant3	5755	4.51	≤30.00	PASS
	Ant4	5755	3.28	≤30.00	PASS
	total	5755	10.35	≤25.00*	PASS
	Ant1	5795	2.73	≤30.00	PASS
	Ant2	5795	3.44	≤30.00	PASS
	Ant3	5795	3.42	≤30.00	PASS
	Ant4	5795	3.3	≤30.00	PASS
	total	5795	9.25	≤25.00*	PASS
11AX80MIMO	Ant1	5210	-0.65	≤17	PASS
	Ant2	5210	-2.71	≤17	PASS
	Ant3	5210	-1.42	≤17	PASS
	Ant4	5210	-1.37	≤17	PASS
	total	5210	4.54	≤12.00*	PASS
	Ant1	5290	-7.03	≤11.00	PASS

	Ant2	5290	-7.4	≤11.00	PASS
	Ant3	5290	-8.08	≤11.00	PASS
	Ant4	5290	-8.01	≤11.00	PASS
	total	5290	-1.59	≤6.00*	PASS
	Ant1	5530	-6.03	≤11.00	PASS
	Ant2	5530	-6.81	≤11.00	PASS
	Ant3	5530	-8.21	≤11.00	PASS
	Ant4	5530	-6.2	≤11.00	PASS
	total	5530	-0.71	≤6.00*	PASS
	Ant1	5610	-7.01	≤11.00	PASS
	Ant2	5610	-7.03	≤11.00	PASS
	Ant3	5610	-8.24	≤11.00	PASS
	Ant4	5610	-7.12	≤11.00	PASS
	total	5610	-1.30	≤6.00*	PASS
	Ant1	5690_UNII-2C	-6	≤11.00	PASS
	Ant2	5690_UNII-2C	-7.29	≤11.00	PASS
	Ant3	5690_UNII-2C	-8.44	≤11.00	PASS
	Ant4	5690_UNII-2C	-7.05	≤11.00	PASS
	total	5690_UNII-2C	-1.09	≤6.00*	PASS
	Ant1	5690_UNII-3	-10.87	≤30.00	PASS
	Ant2	5690_UNII-3	-13.21	≤30.00	PASS
	Ant3	5690_UNII-3	-14.27	≤30.00	PASS
	Ant4	5690_UNII-3	-12.68	≤30.00	PASS
	total	5690_UNII-3	-6.56	≤25.00*	PASS
	Ant1	5775	0.38	≤30.00	PASS
	Ant2	5775	0.9	≤30.00	PASS
	Ant3	5775	0.62	≤30.00	PASS
	Ant4	5775	0.72	≤30.00	PASS
	total	5775	6.68	≤25.00*	PASS
11AX160MIMO	Ant1	5250	-9.3	≤11.00	PASS
	Ant2	5250	-10.52	≤11.00	PASS
	Ant3	5250	-11.3	≤11.00	PASS
	Ant4	5250	-10.88	≤11.00	PASS
	total	5250	-4.41	≤6.00*	PASS
	Ant1	5570	-9.73	≤11.00	PASS
	Ant2	5570	-9.8	≤11.00	PASS
	Ant3	5570	-11.1	≤11.00	PASS
	Ant4	5570	-10.01	≤11.00	PASS
	total	5570	-4.11	≤6.00*	PASS

Note：
1. *For WLAN 5GHz 802.11n/802.11ac/802.11ax, and the directional gain is 11dBi for MIMO mode, thus the PSD limits should be reduced by 5dB accordingly.
2. The Results already converted to dBm/500 kHz in the band 5.725–5.85 GHz, with factor10 log (500 kHz/RBW), i.e.2.22dB;
3. The Duty Cycle Factor and RBW Factor is compensated in the graph.

11A-CDD_Ant1_5180

11A-CDD_Ant2_5180

11A-CDD_Ant3_5180

11A-CDD_Ant4_5180

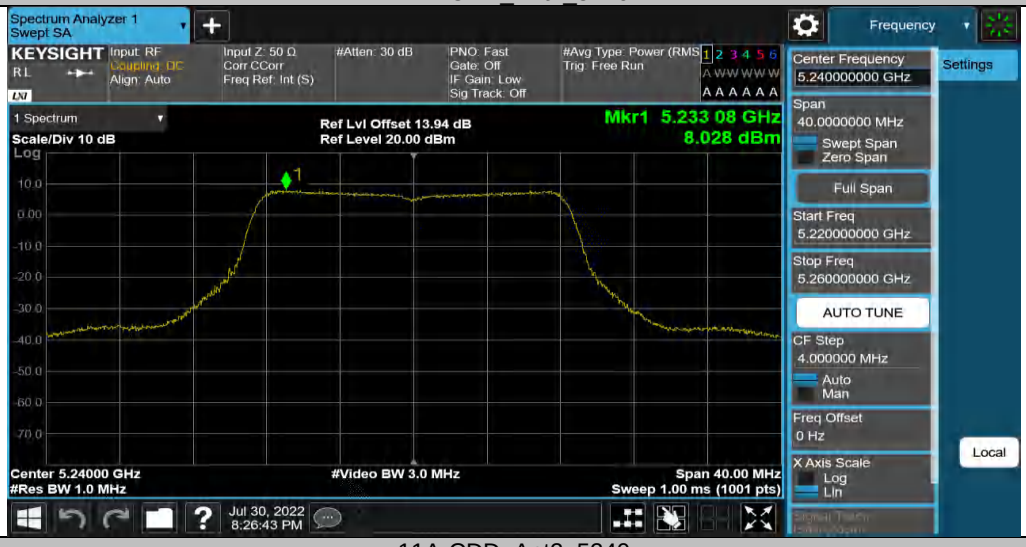
11A-CDD_Ant1_5200

11A-CDD_Ant2_5200

11A-CDD_Ant3_5200

11A-CDD_Ant4_5200

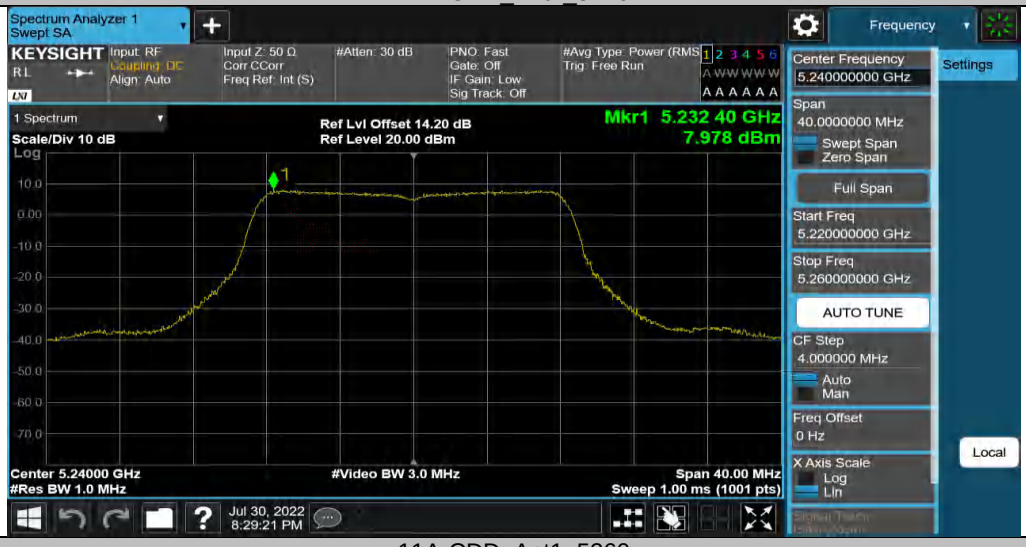
11A-CDD_Ant1_5240



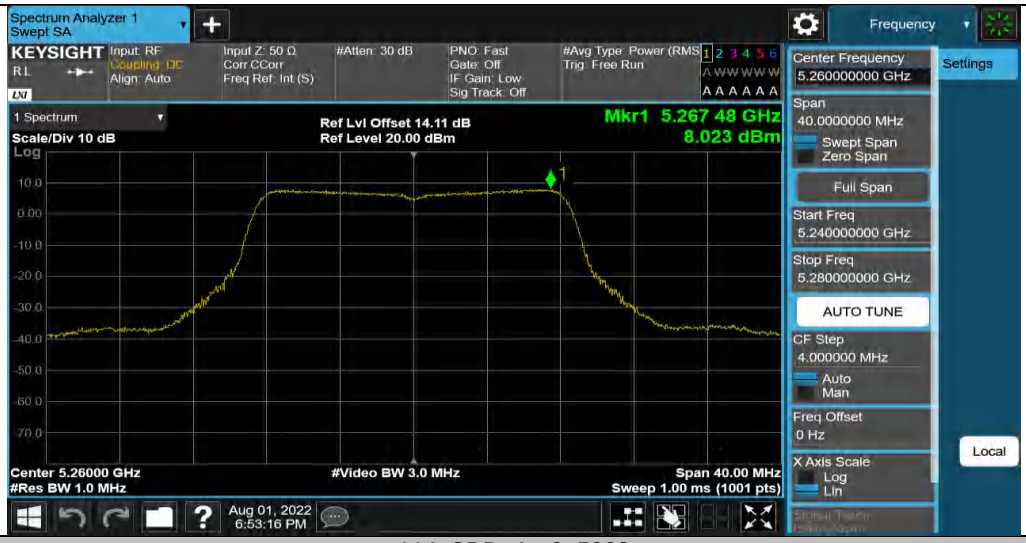
11A-CDD_Ant2_5240

11A-CDD_Ant3_5240

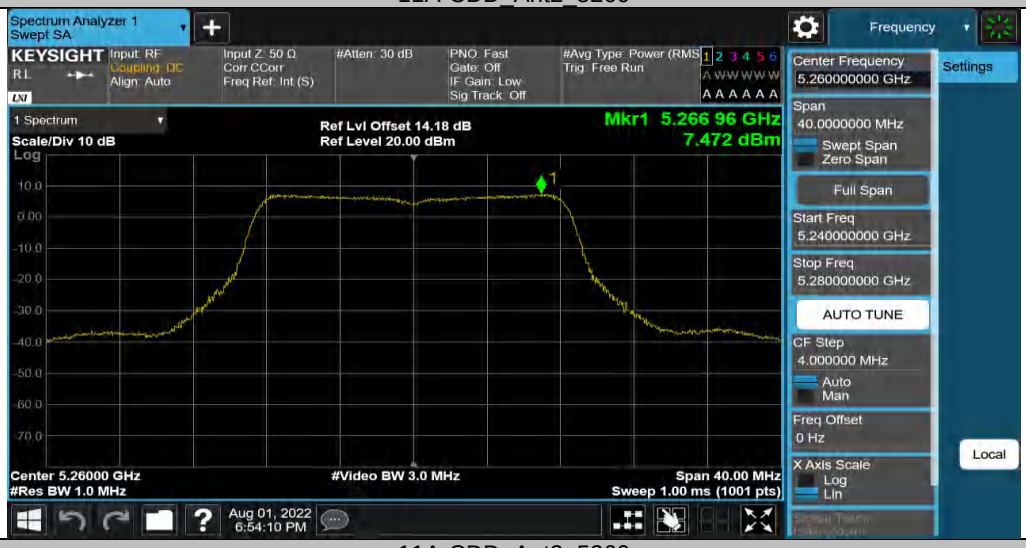
11A-CDD_Ant4_5240



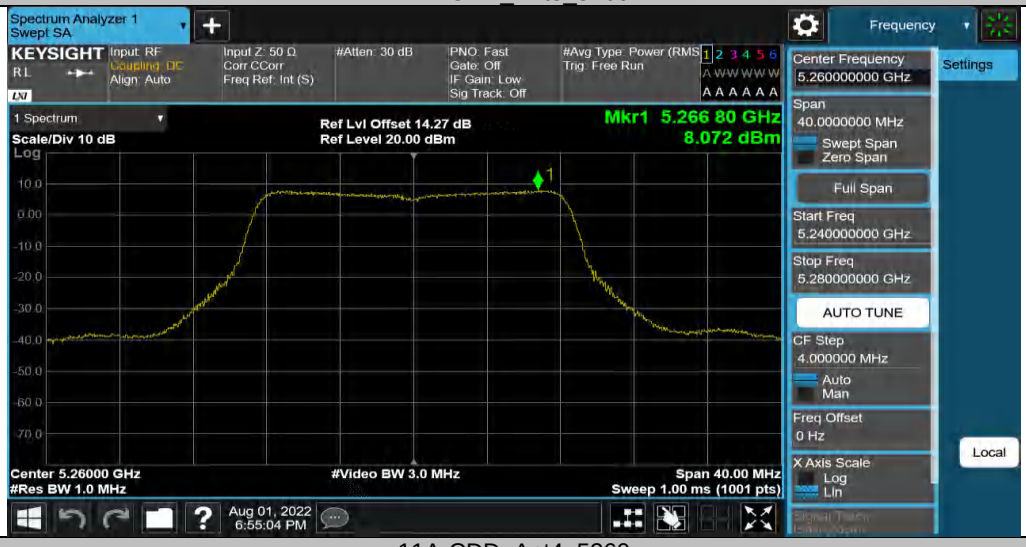
11A-CDD_Ant1_5260



11A-CDD_Ant2_5260



11A-CDD_Ant3_5260



11A-CDD_Ant4_5260

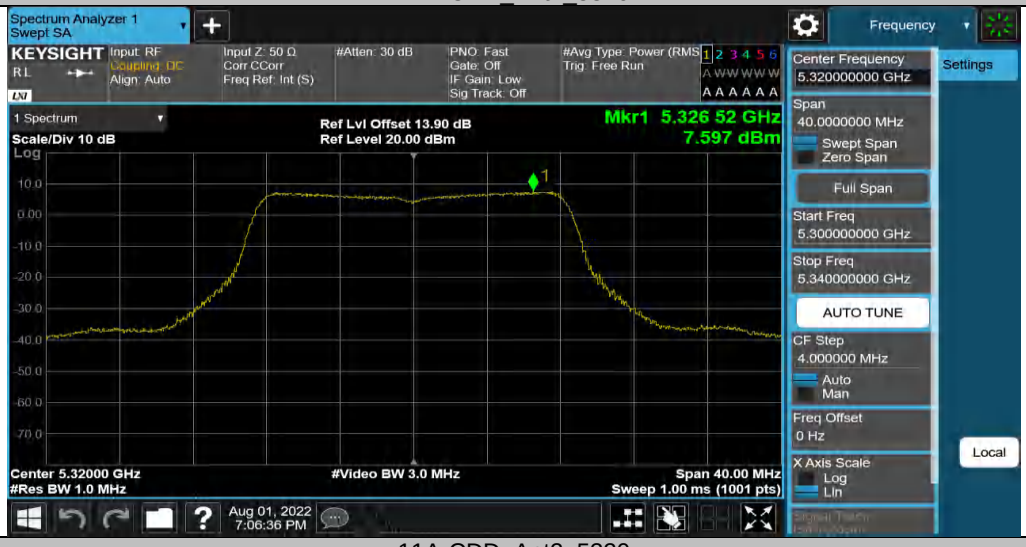
11A-CDD_Ant1_5280

11A-CDD_Ant2_5280

11A-CDD_Ant3_5280

11A-CDD_Ant4_5280

11A-CDD_Ant1_5320



11A-CDD_Ant2_5320

11A-CDD_Ant3_5320

11A-CDD_Ant4_5320

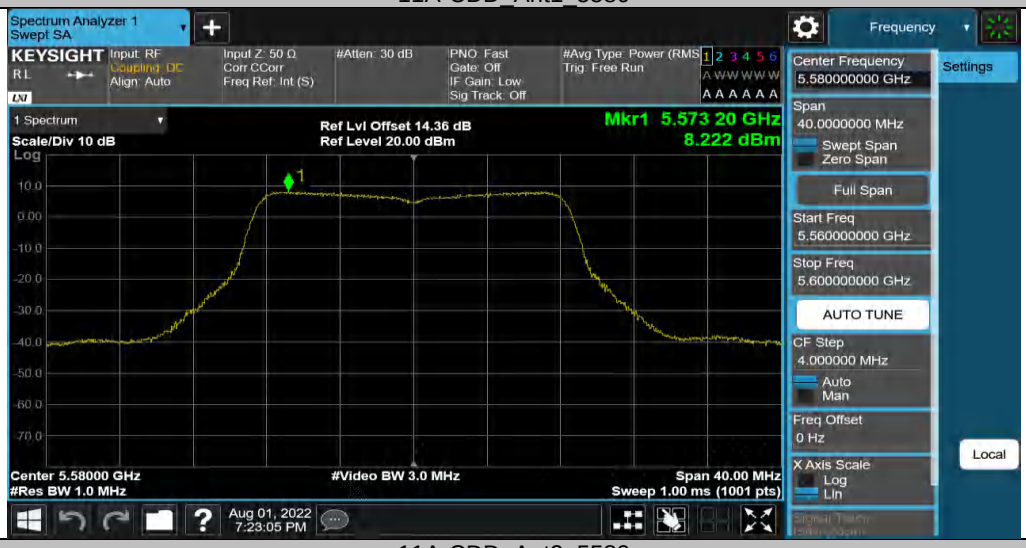
11A-CDD_Ant1_5500

11A-CDD_Ant2_5500

11A-CDD_Ant3_5500

11A-CDD_Ant4_5500

11A-CDD_Ant1_5580



11A-CDD_Ant2_5580

11A-CDD_Ant3_5580

11A-CDD_Ant4_5580

11A-CDD_Ant1_5700

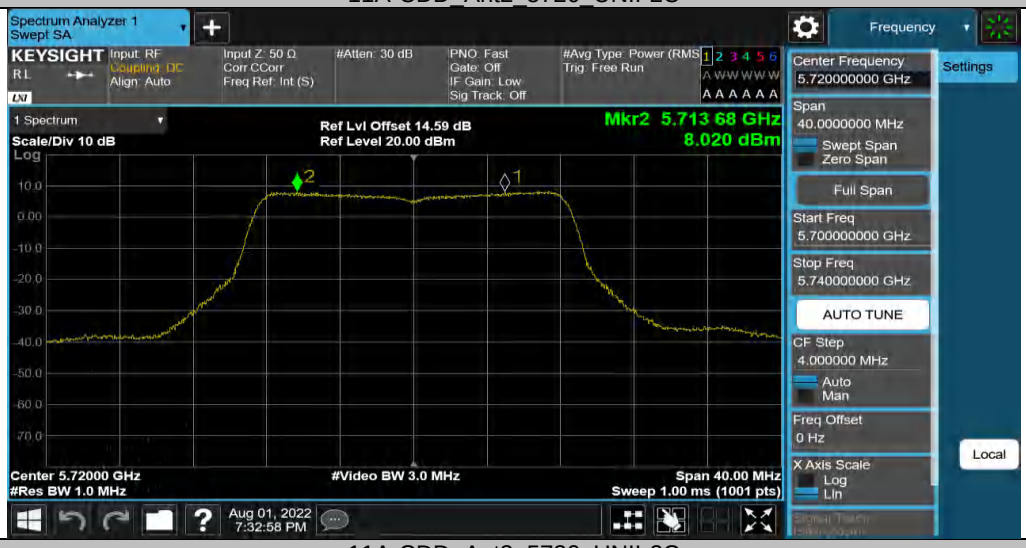
11A-CDD_Ant2_5700

11A-CDD_Ant3_5700

11A-CDD_Ant4_5700

11A-CDD_Ant1_5720_UNII-2C

11A-CDD_Ant2_5720_UNII-2C

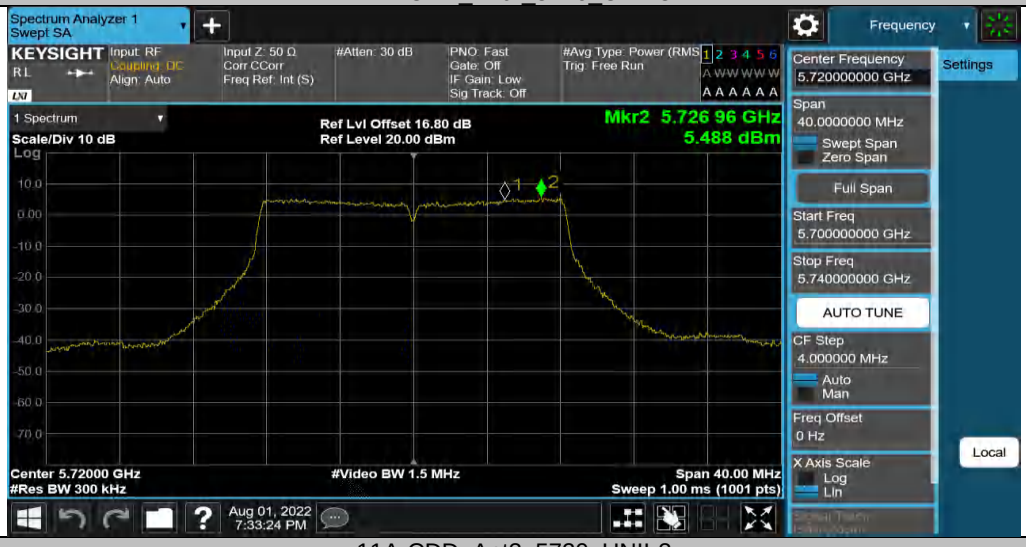


11A-CDD_Ant3_5720_UNII-2C

11A-CDD_Ant4_5720_UNII-2C

11A-CDD_Ant1_5720_UNII-3

11A-CDD_Ant2_5720_UNII-3



11A-CDD_Ant3_5720_UNII-3

11A-CDD_Ant4_5720_UNII-3

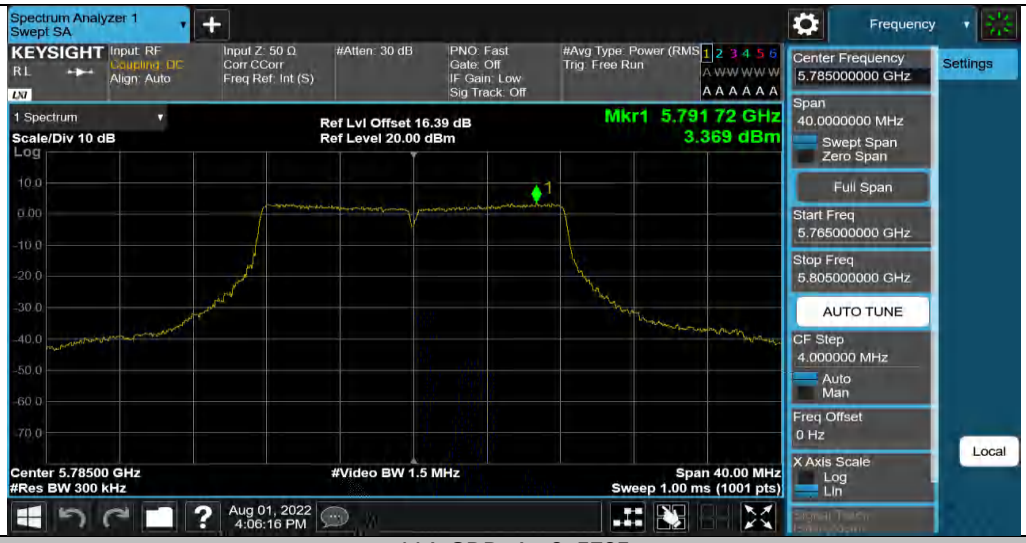
11A-CDD_Ant1_5745

11A-CDD_Ant2_5745

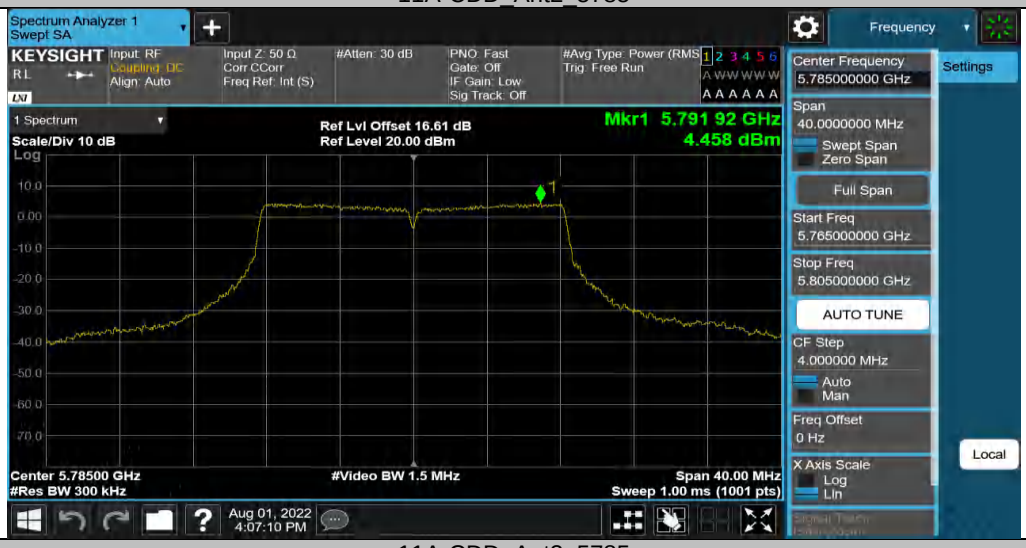
11A-CDD_Ant3_5745

11A-CDD_Ant4_5745

11A-CDD_Ant1_5785



11A-CDD_Ant2_5785



11A-CDD_Ant3_5785

11A-CDD_Ant4_5785

11A-CDD_Ant1_5825

11A-CDD_Ant2_5825

11A-CDD_Ant3_5825

11A-CDD_Ant4_5825

11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180

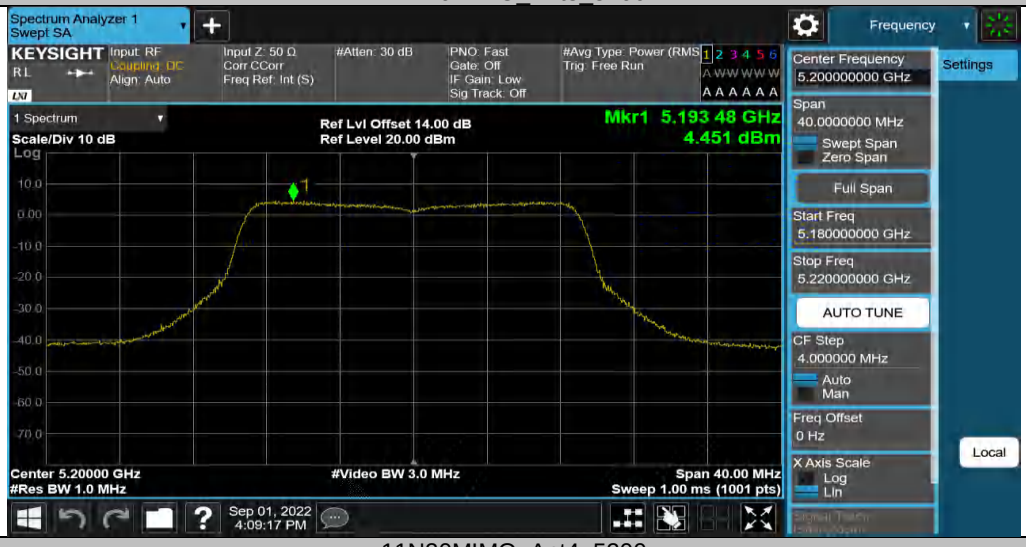
11N20MIMO_Ant3_5180

11N20MIMO_Ant4_5180

11N20MIMO_Ant1_5200

11N20MIMO_Ant2_5200

11N20MIMO_Ant3_5200



11N20MIMO_Ant4_5200

11N20MIMO_Ant1_5240

11N20MIMO_Ant2_5240

11N20MIMO_Ant3_5240

11N20MIMO_Ant4_5240

11N20MIMO_Ant1_5260

11N20MIMO_Ant2_5260

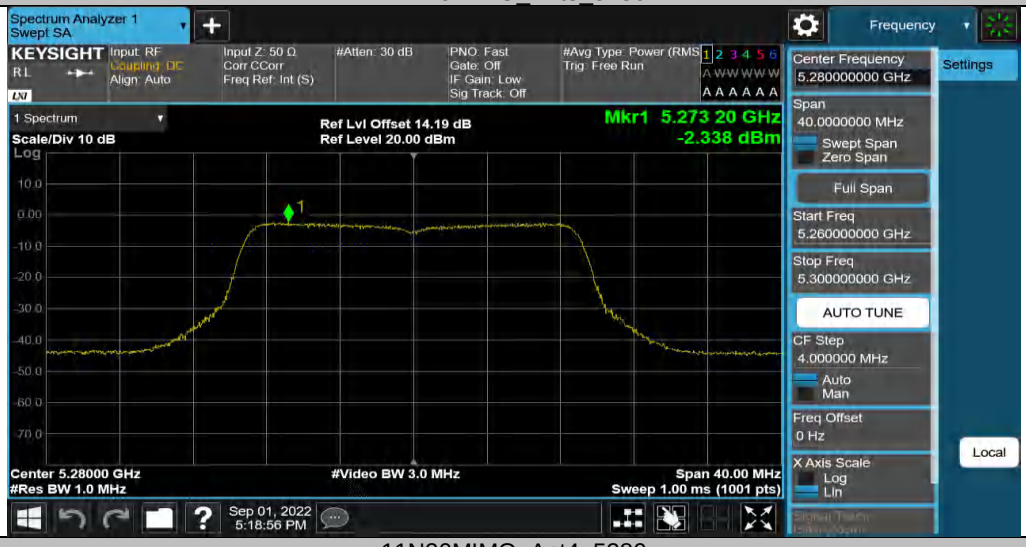
11N20MIMO_Ant3_5260

11N20MIMO_Ant4_5260

11N20MIMO_Ant1_5280

11N20MIMO_Ant2_5280

11N20MIMO_Ant3_5280



11N20MIMO_Ant4_5280

11N20MIMO_Ant1_5320

11N20MIMO_Ant2_5320

11N20MIMO_Ant3_5320

11N20MIMO_Ant4_5320

11N20MIMO_Ant1_5500

11N20MIMO_Ant2_5500

11N20MIMO_Ant3_5500

11N20MIMO_Ant4_5500

11N20MIMO_Ant1_5580

11N20MIMO_Ant2_5580

11N20MIMO_Ant3_5580

11N20MIMO_Ant4_5580

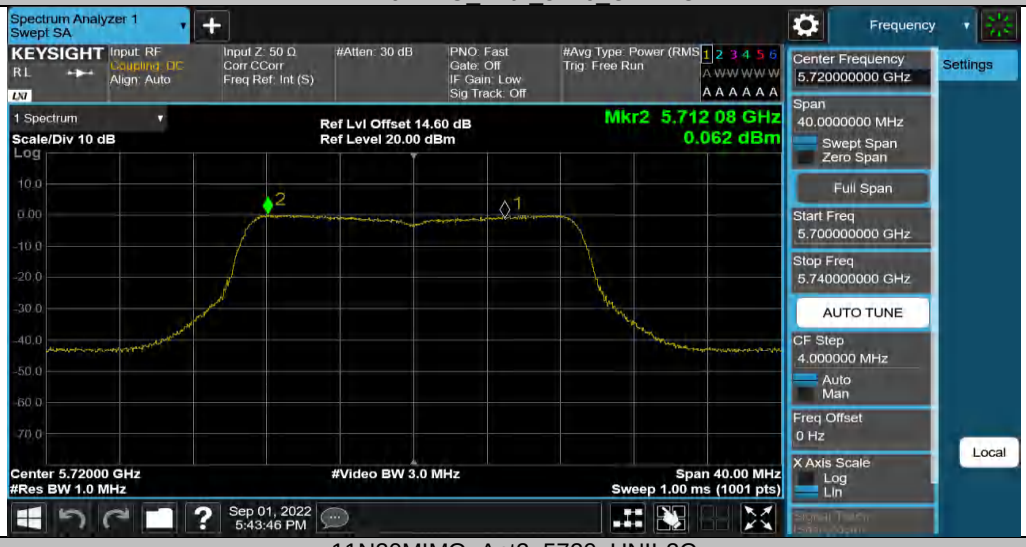
11N20MIMO_Ant1_5700

11N20MIMO_Ant2_5700

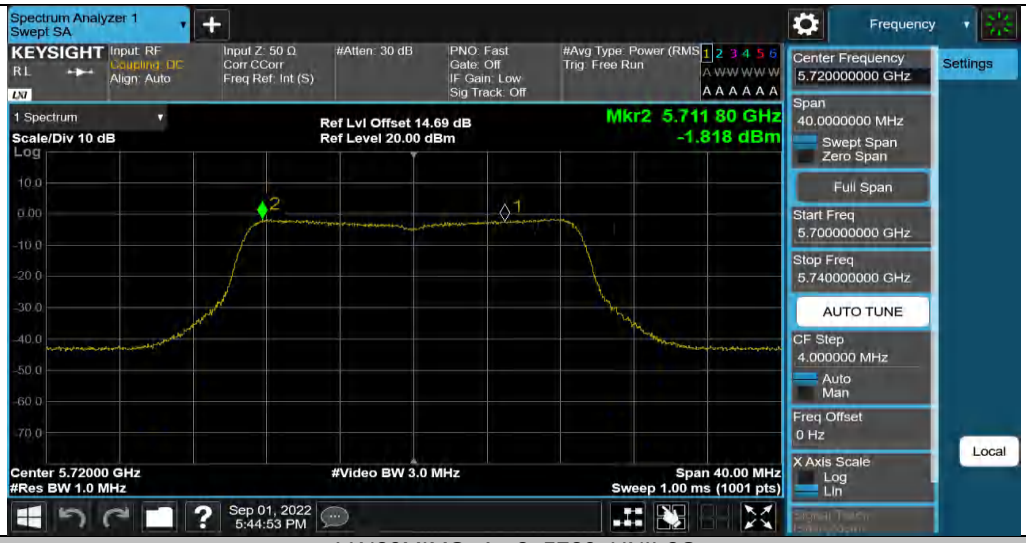
11N20MIMO_Ant3_5700

11N20MIMO_Ant4_5700

11N20MIMO_Ant1_5720_UNII-2C

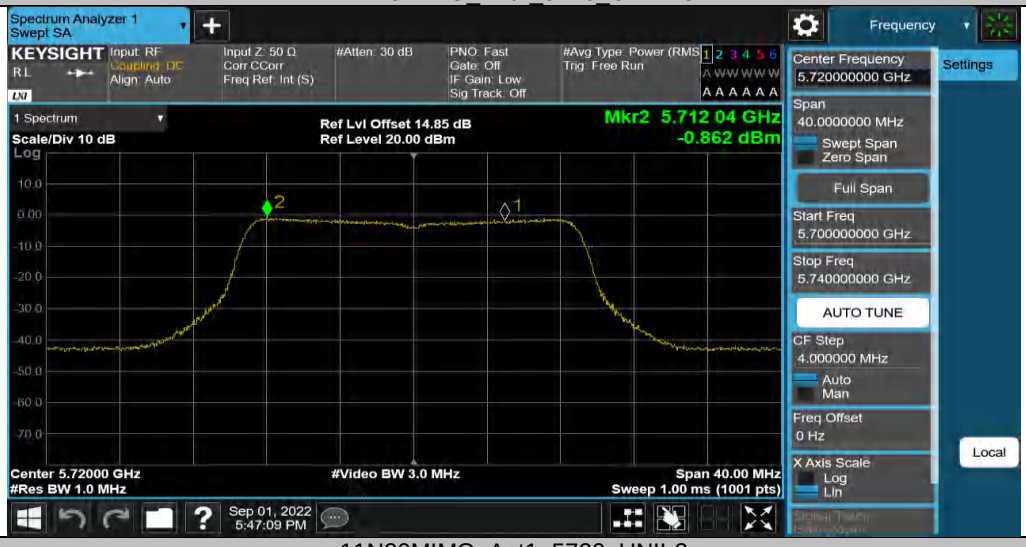


11N20MIMO_Ant2_5720_UNII-2C

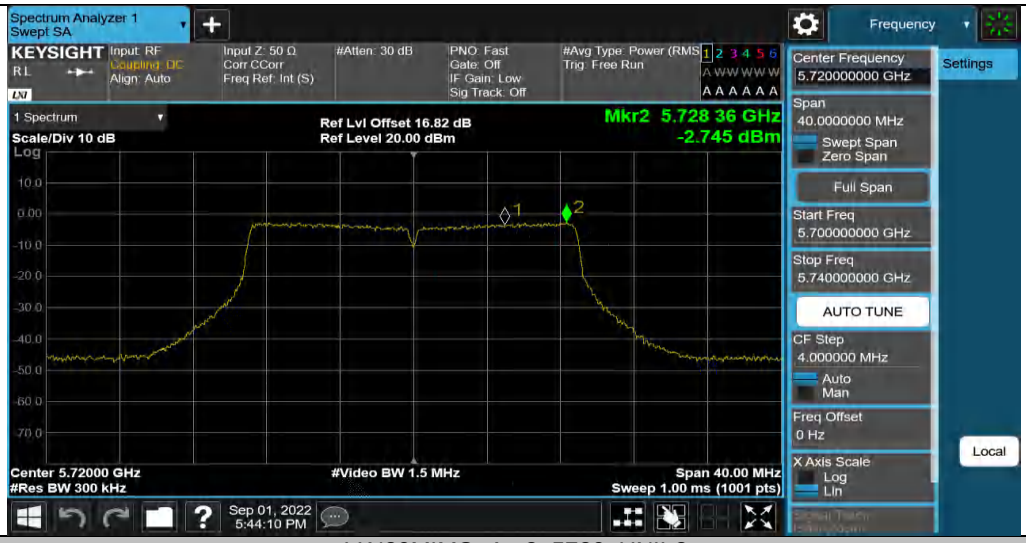


11N20MIMO_Ant3_5720_UNII-2C

11N20MIMO_Ant4_5720_UNII-2C



11N20MIMO_Ant1_5720_UNII-3



11N20MIMO_Ant2_5720_UNII-3

11N20MIMO_Ant3_5720_UNII-3

11N20MIMO_Ant4_5720_UNII-3

11N20MIMO_Ant1_5745

11N20MIMO_Ant2_5745

11N20MIMO_Ant3_5745

11N20MIMO_Ant4_5745

11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785

11N20MIMO_Ant3_5785

11N20MIMO_Ant4_5785

11N20MIMO_Ant1_5825

11N20MIMO_Ant2_5825

11N20MIMO_Ant3_5825

11N20MIMO_Ant4_5825

11N40MIMO_Ant1_5190

11N40MIMO_Ant2_5190

11N40MIMO_Ant3_5190

11N40MIMO_Ant4_5190

11N40MIMO_Ant1_5230

11N40MIMO_Ant2_5230