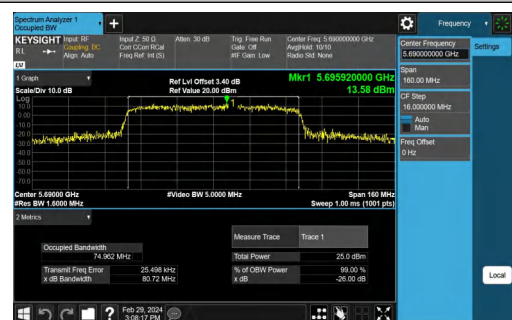
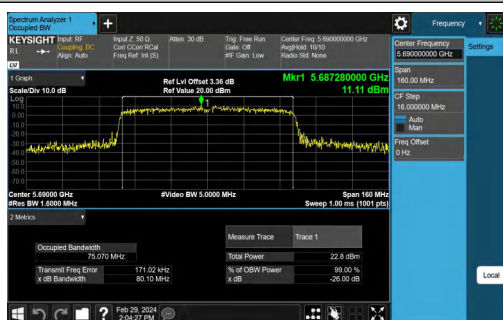
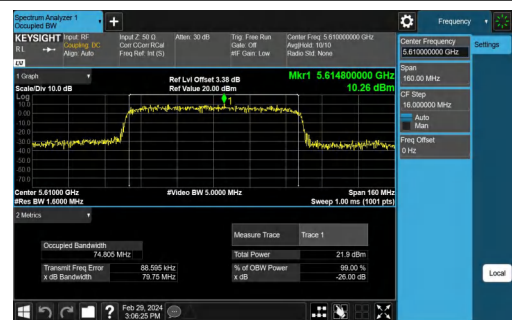
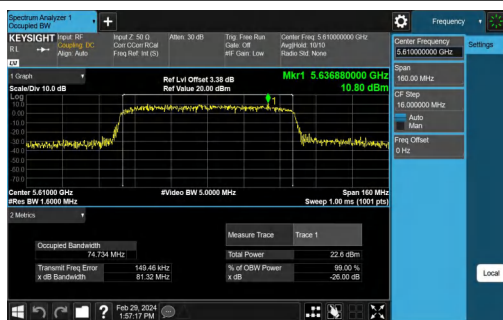
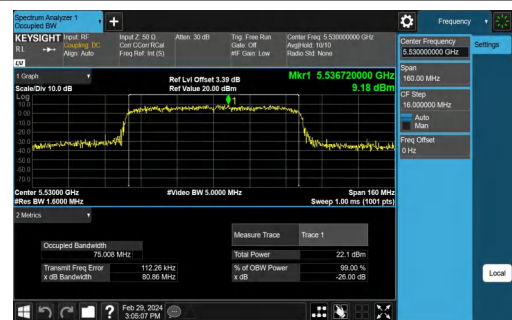
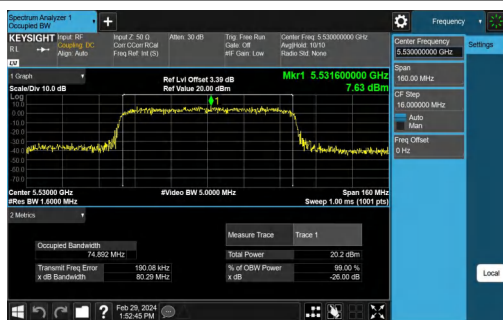
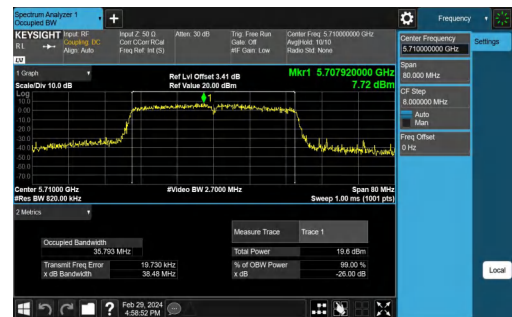
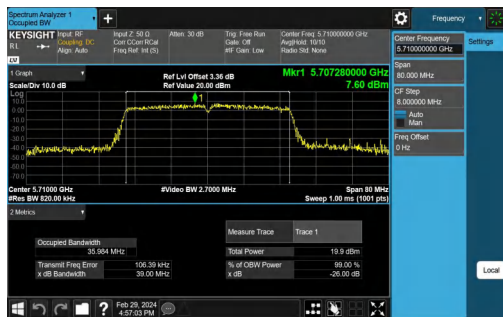
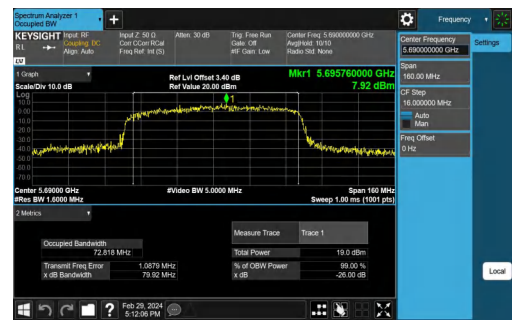
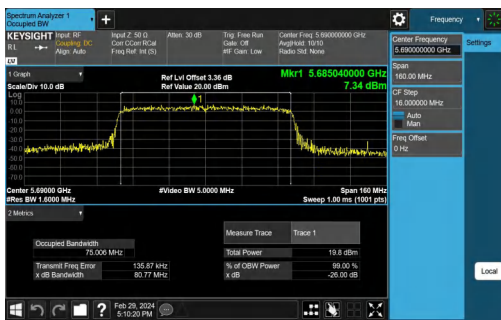
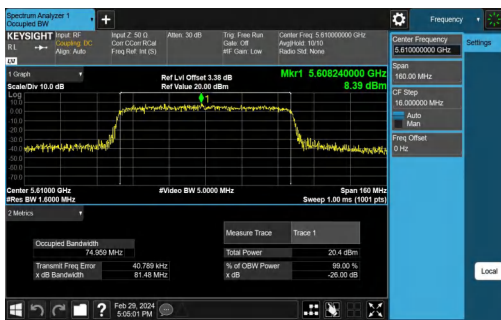
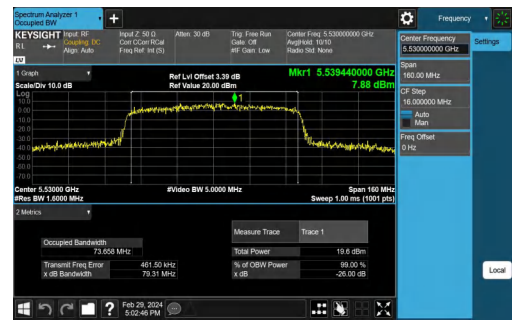
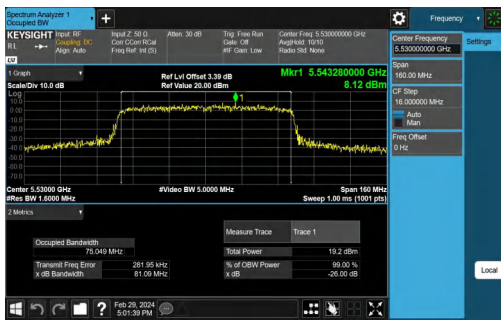
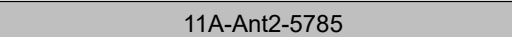
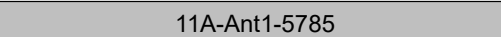
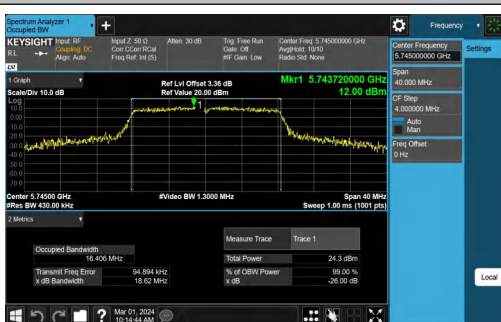
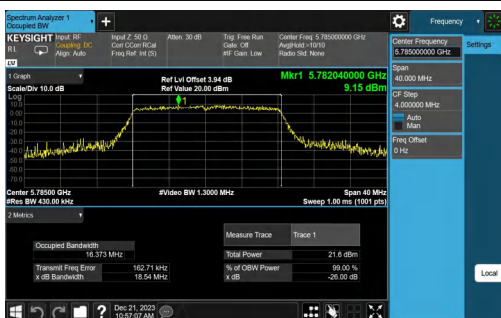
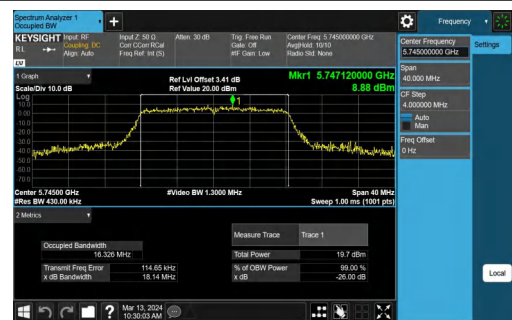
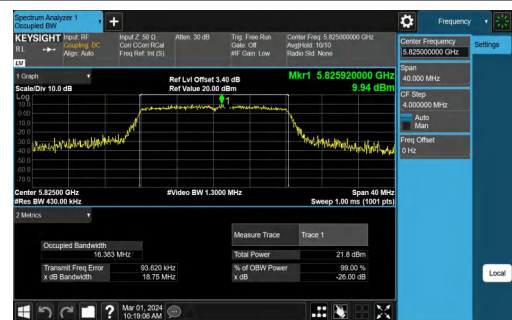
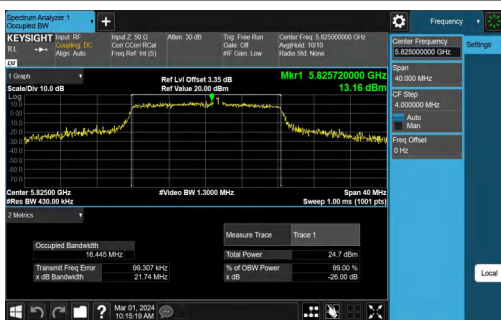
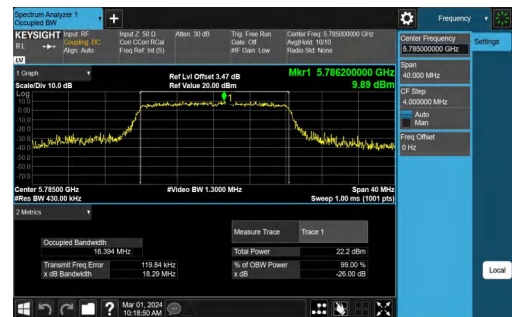
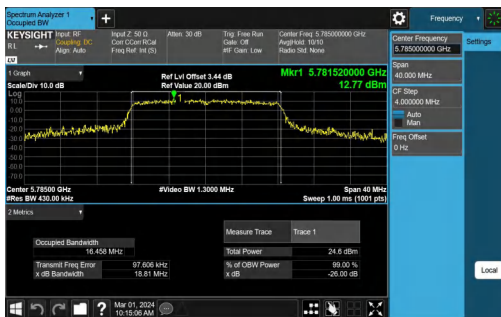


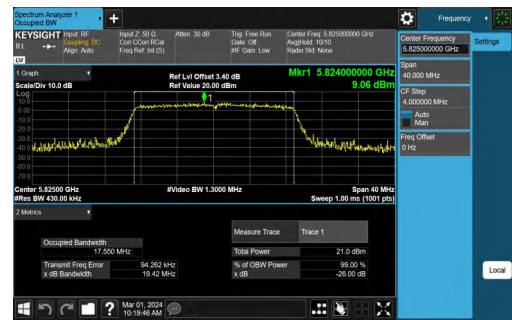
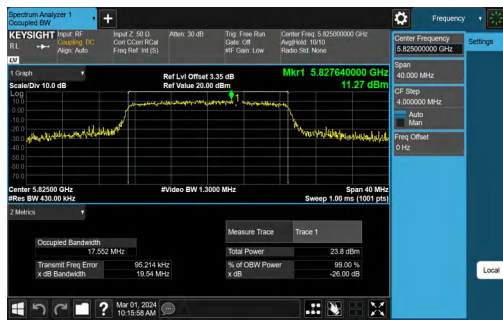
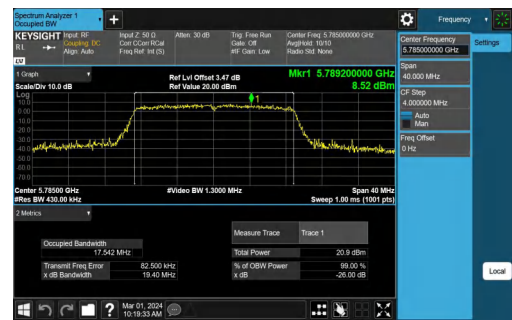
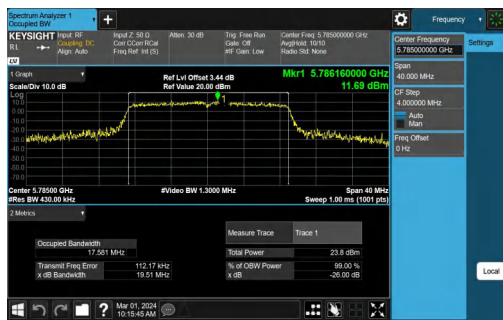
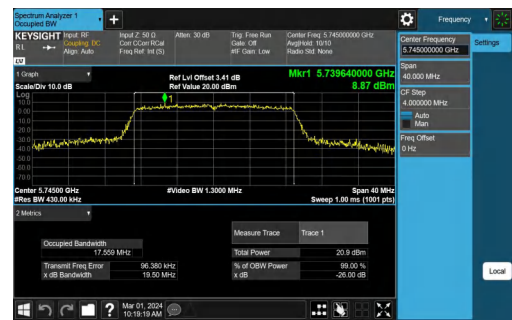
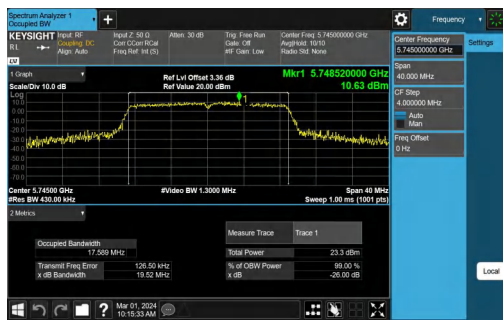
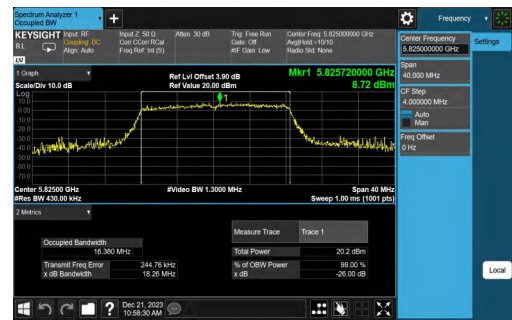
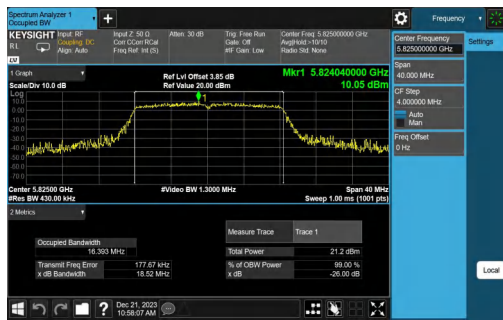


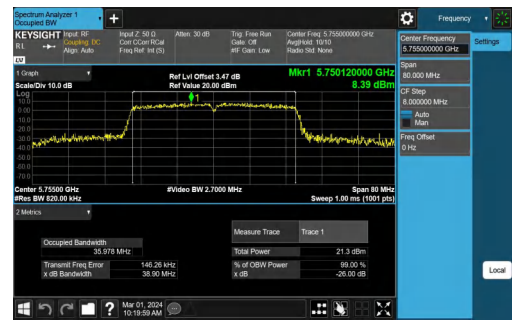
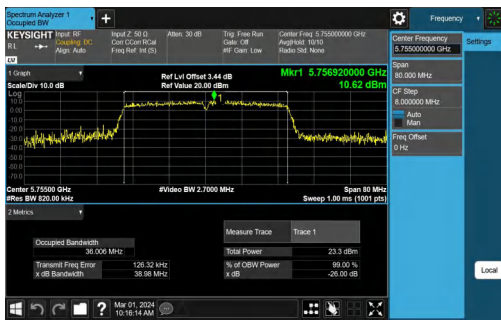
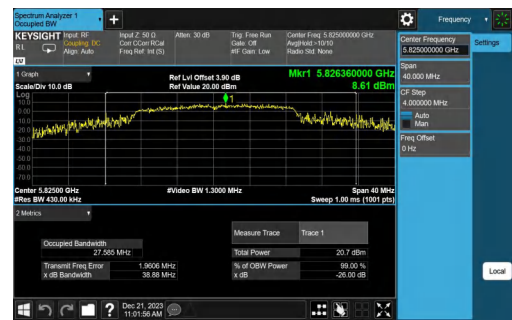
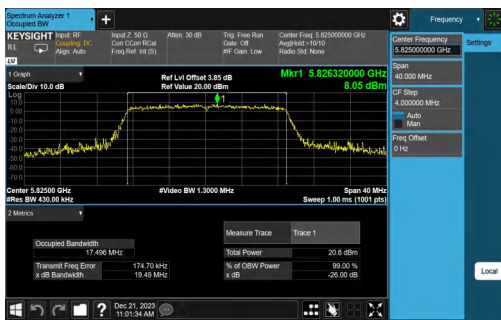
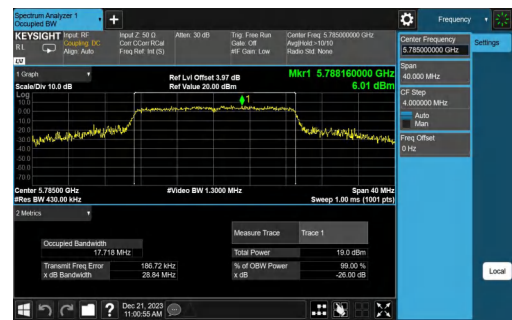
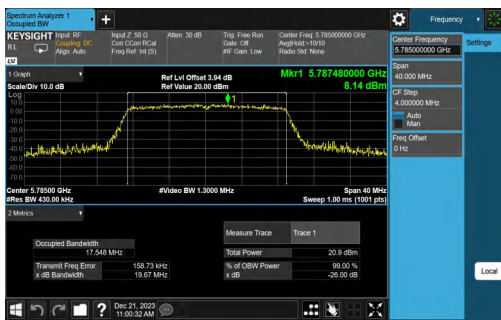
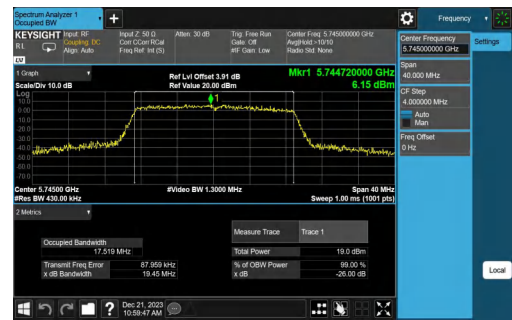
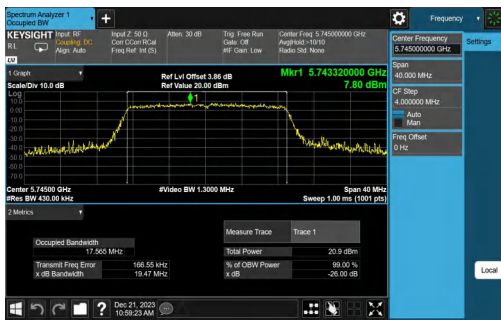


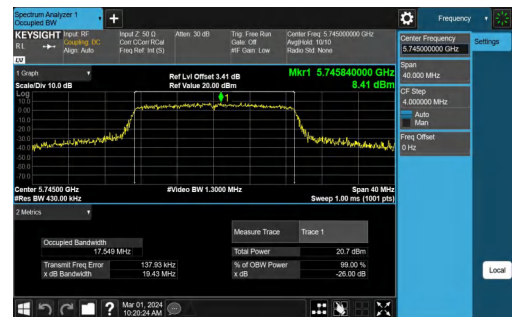
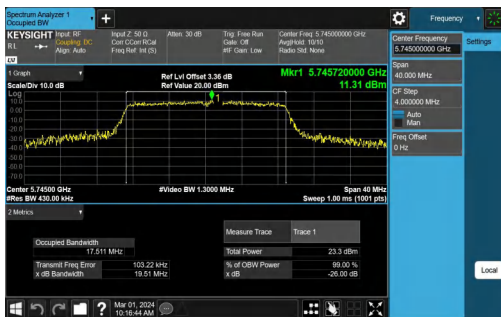
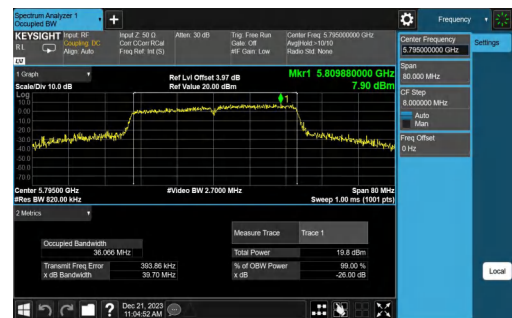
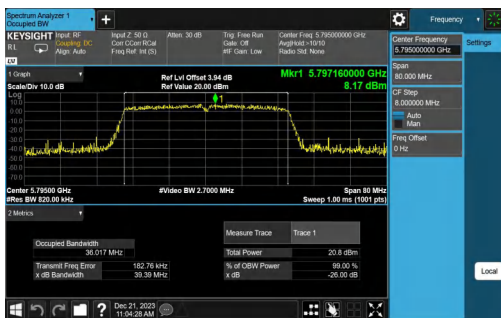
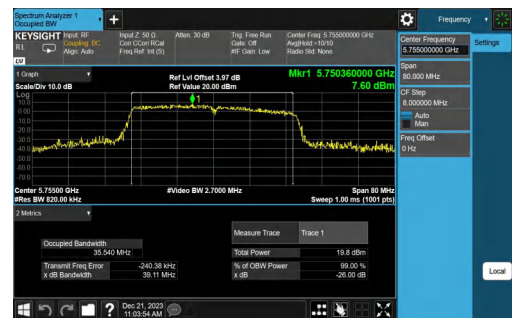
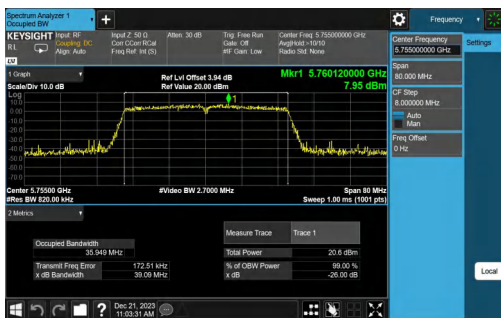
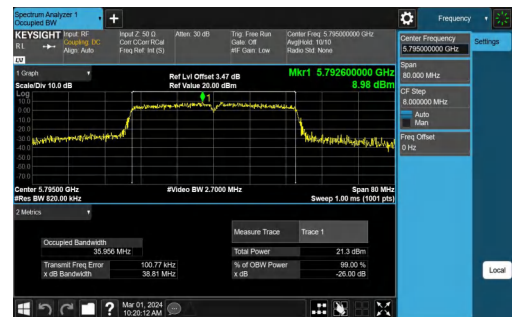
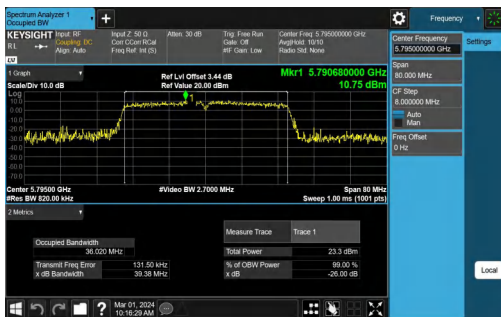
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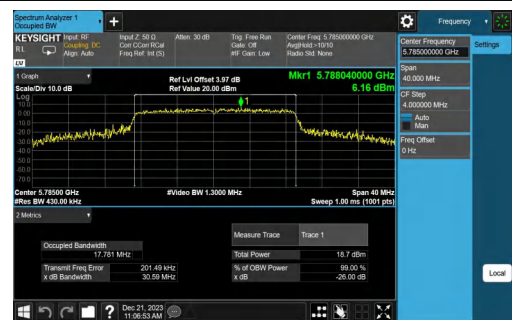
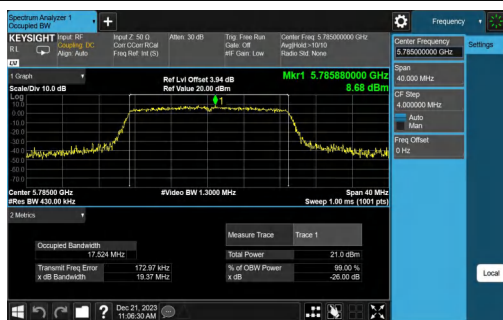
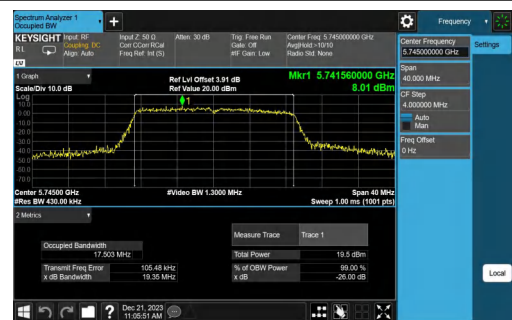
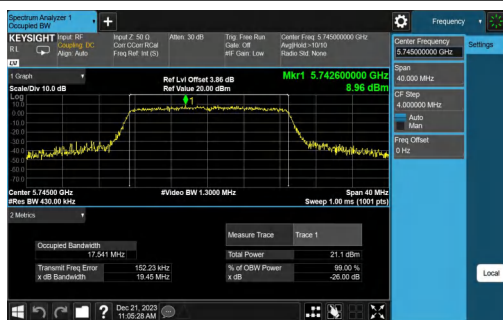
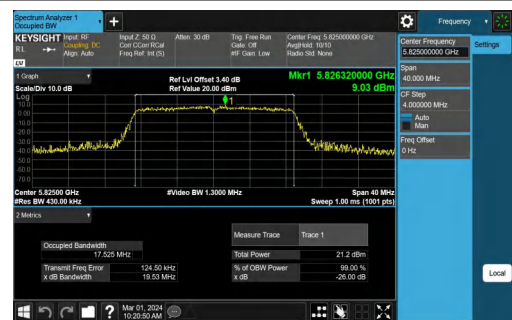
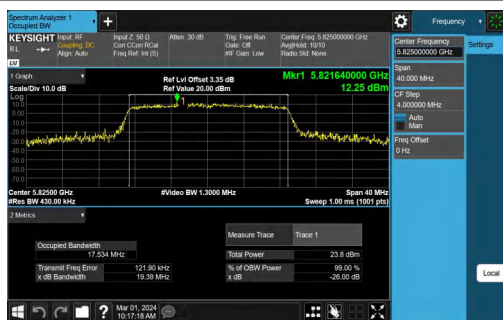
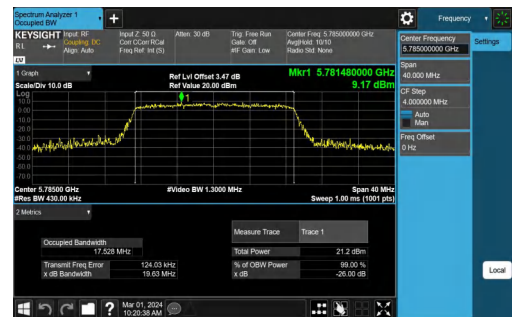
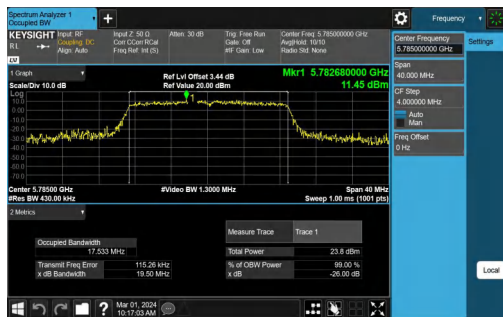


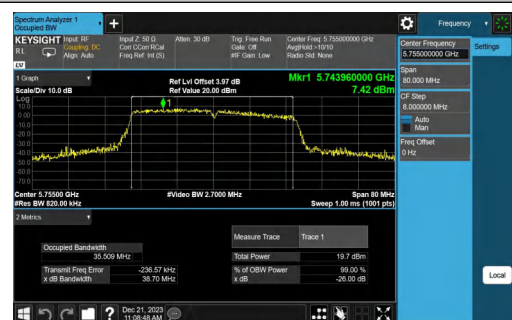
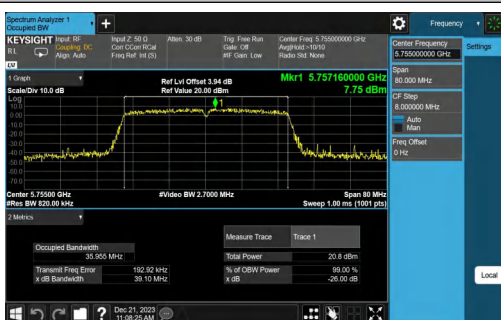
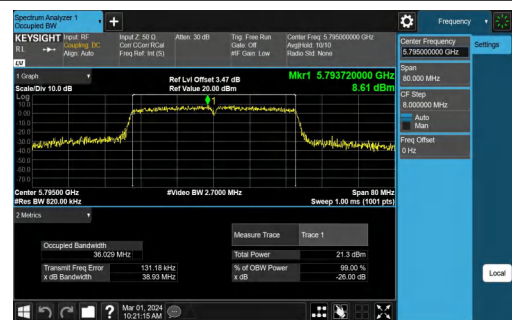
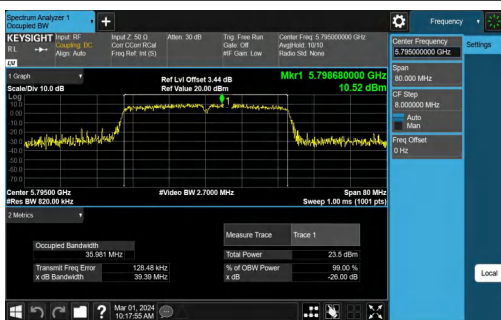
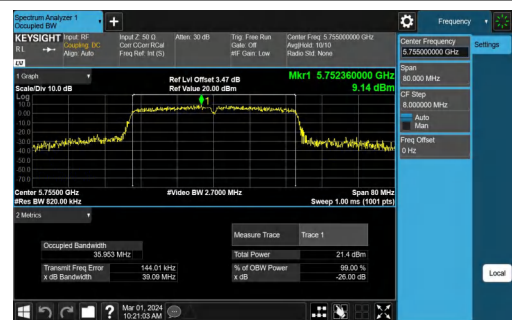
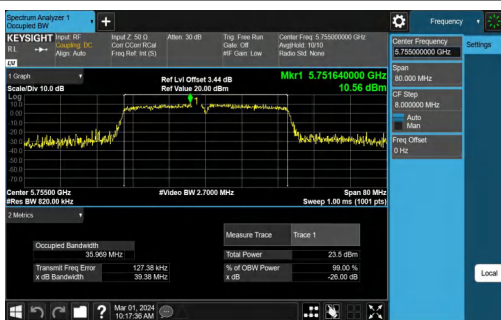
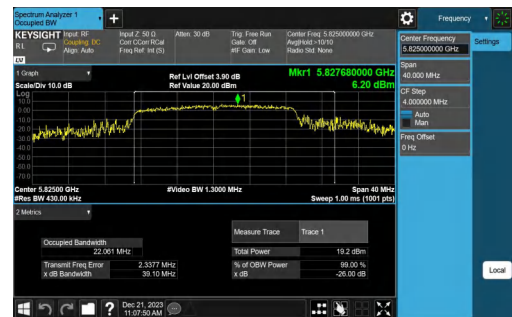
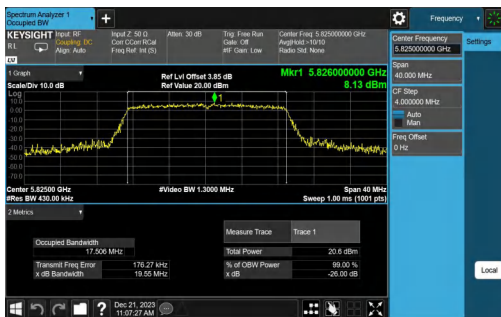


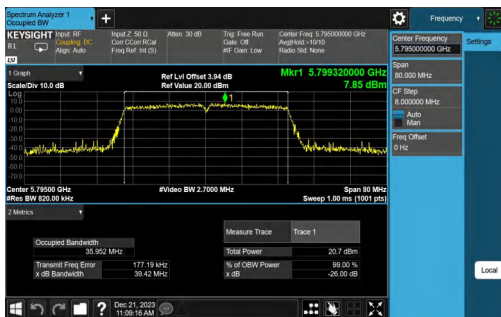




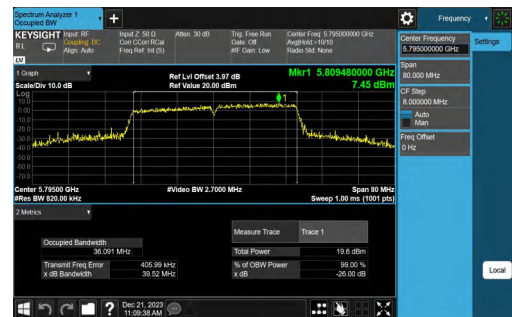




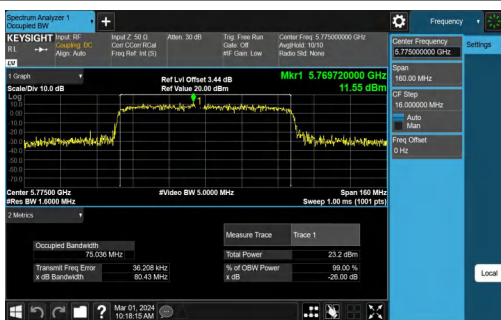




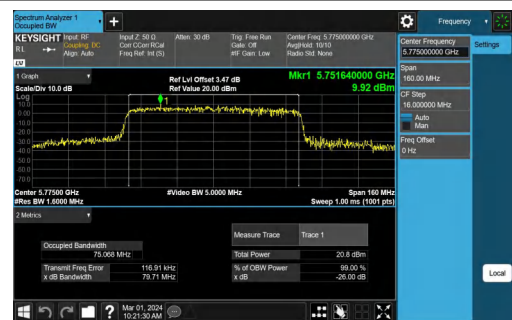
11AC80ISO-Ant1-5775



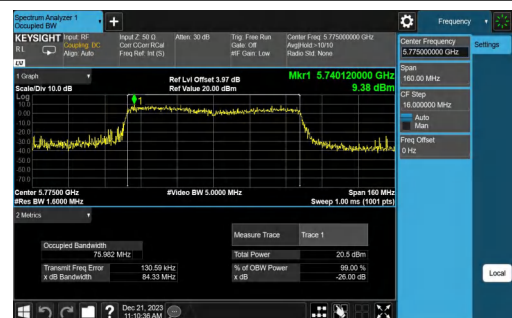
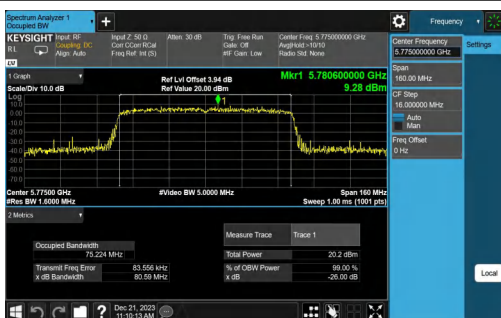
11AC80ISO-Ant2-5775



11AC80MIMO-Ant1-5775



11AC80MIMO-Ant2-5775



A.2 Maximum Conducted Output Power Measurement

Test Result

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Test Mode	Antenna	Frequency[MHz]	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	17.25	80.16	0.96	18.21	≤30.00	PASS
11A	Ant2	5180	NA	17.26	79.84	0.98	18.24	≤30.00	PASS
11A	Ant1	5220	NA	16.85	79.84	0.98	17.83	≤30.00	PASS
11A	Ant2	5220	NA	17.29	79.84	0.98	18.27	≤30.00	PASS
11A	Ant1	5240	NA	17.37	80.56	0.94	18.31	≤30.00	PASS
11A	Ant2	5240	NA	17.70	79.84	0.98	18.68	≤30.00	PASS
11A-CDD	Ant1	5180	NA	13.92	80.24	0.96	14.88	≤30.00	PASS
11A-CDD	Ant2	5180	NA	14.19	80.24	0.96	15.15	≤30.00	PASS
11A-CDD	total	5180	NA	---	---	---	18.03	≤30.00	PASS
11A-CDD	Ant1	5220	NA	13.93	79.84	0.98	14.91	≤30.00	PASS
11A-CDD	Ant2	5220	NA	14.07	79.84	0.98	15.05	≤30.00	PASS
11A-CDD	total	5220	NA	---	---	---	17.99	≤30.00	PASS
11A-CDD	Ant1	5240	NA	13.71	80.24	0.96	14.67	≤30.00	PASS
11A-CDD	Ant2	5240	NA	14.69	80.56	0.94	15.63	≤30.00	PASS
11A-CDD	total	5240	NA	---	---	---	18.19	≤30.00	PASS
11N20SISO	Ant1	5180	NA	16.18	78.99	1.02	17.20	≤30.00	PASS
11N20SISO	Ant2	5180	NA	15.98	78.99	1.02	17.00	≤30.00	PASS
11N20SISO	Ant1	5220	NA	15.76	79.08	1.02	16.78	≤30.00	PASS
11N20SISO	Ant2	5220	NA	16.27	79.08	1.02	17.29	≤30.00	PASS
11N20SISO	Ant1	5240	NA	16.03	78.66	1.04	17.07	≤30.00	PASS
11N20SISO	Ant2	5240	NA	16.03	78.66	1.04	17.07	≤30.00	PASS
11N20MIMO	Ant1	5180	NA	12.75	79.08	1.02	13.77	≤30.00	PASS
11N20MIMO	Ant2	5180	NA	12.86	78.75	1.04	13.90	≤30.00	PASS
11N20MIMO	total	5180	NA	---	---	---	16.85	≤30.00	PASS
11N20MIMO	Ant1	5220	NA	12.97	79.08	1.02	13.99	≤30.00	PASS
11N20MIMO	Ant2	5220	NA	13.30	78.66	1.04	14.34	≤30.00	PASS
11N20MIMO	total	5220	NA	---	---	---	17.18	≤30.00	PASS
11N20MIMO	Ant1	5240	NA	13.16	78.66	1.04	14.20	≤30.00	PASS
11N20MIMO	Ant2	5240	NA	13.65	78.75	1.04	14.69	≤30.00	PASS
11N20MIMO	total	5240	NA	---	---	---	17.46	≤30.00	PASS
11N40SISO	Ant1	5190	NA	15.89	65.03	1.87	17.76	≤30.00	PASS
11N40SISO	Ant2	5190	NA	15.93	65.03	1.87	17.80	≤30.00	PASS

11N40SISO	Ant1	5230	NA	16.06	65.03	1.87	17.93	≤30.00	PASS
11N40SISO	Ant2	5230	NA	15.83	65.03	1.87	17.70	≤30.00	PASS
11N40MIMO	Ant1	5190	NA	12.94	65.03	1.87	14.81	≤30.00	PASS
11N40MIMO	Ant2	5190	NA	12.86	64.34	1.92	14.78	≤30.00	PASS
11N40MIMO	total	5190	NA	---	---	---	17.81	≤30.00	PASS
11N40MIMO	Ant1	5230	NA	12.60	65.03	1.87	14.47	≤30.00	PASS
11N40MIMO	Ant2	5230	NA	13.10	65.03	1.87	14.97	≤30.00	PASS
11N40MIMO	total	5230	NA	---	---	---	17.74	≤30.00	PASS
11AC20SISO	Ant1	5180	NA	16.31	79.50	1.00	17.31	≤30.00	PASS
11AC20SISO	Ant2	5180	NA	16.78	78.75	1.04	17.82	≤30.00	PASS
11AC20SISO	Ant1	5220	NA	16.66	79.50	1.00	17.66	≤30.00	PASS
11AC20SISO	Ant2	5220	NA	16.62	79.08	1.02	17.64	≤30.00	PASS
11AC20SISO	Ant1	5240	NA	16.89	79.08	1.02	17.91	≤30.00	PASS
11AC20SISO	Ant2	5240	NA	16.75	79.50	1.00	17.75	≤30.00	PASS
11AC20MIMO	Ant1	5180	NA	13.60	79.08	1.02	14.62	≤30.00	PASS
11AC20MIMO	Ant2	5180	NA	13.86	79.17	1.01	14.87	≤30.00	PASS
11AC20MIMO	total	5180	NA	---	---	---	17.76	≤30.00	PASS
11AC20MIMO	Ant1	5220	NA	13.47	78.75	1.04	14.51	≤30.00	PASS
11AC20MIMO	Ant2	5220	NA	13.87	79.08	1.02	14.89	≤30.00	PASS
11AC20MIMO	total	5220	NA	---	---	---	17.71	≤30.00	PASS
11AC20MIMO	Ant1	5240	NA	13.46	79.17	1.01	14.47	≤30.00	PASS
11AC20MIMO	Ant2	5240	NA	14.52	79.08	1.02	15.54	≤30.00	PASS
11AC20MIMO	total	5240	NA	---	---	---	18.05	≤30.00	PASS
11AC40SISO	Ant1	5190	NA	15.38	65.03	1.87	17.25	≤30.00	PASS
11AC40SISO	Ant2	5190	NA	14.81	64.58	1.90	16.71	≤30.00	PASS
11AC40SISO	Ant1	5230	NA	15.69	65.03	1.87	17.56	≤30.00	PASS
11AC40SISO	Ant2	5230	NA	15.31	64.58	1.90	17.21	≤30.00	PASS
11AC40MIMO	Ant1	5190	NA	12.92	64.58	1.90	14.82	≤30.00	PASS
11AC40MIMO	Ant2	5190	NA	12.40	64.58	1.90	14.30	≤30.00	PASS
11AC40MIMO	total	5190	NA	---	---	---	17.58	≤30.00	PASS
11AC40MIMO	Ant1	5230	NA	12.34	65.03	1.87	14.21	≤30.00	PASS
11AC40MIMO	Ant2	5230	NA	13.04	65.03	1.87	14.91	≤30.00	PASS
11AC40MIMO	total	5230	NA	---	---	---	17.58	≤30.00	PASS
11AC80SISO	Ant1	5210	NA	13.01	47.37	3.24	16.25	≤30.00	PASS
11AC80SISO	Ant2	5210	NA	13.71	47.92	3.19	16.90	≤30.00	PASS
11AC80MIMO	Ant1	5210	NA	9.65	46.88	3.29	12.94	≤30.00	PASS
11AC80MIMO	Ant2	5210	NA	12.15	47.37	3.24	15.39	≤30.00	PASS
11AC80MIMO	total	5210	NA	---	---	---	17.35	≤30.00	PASS

Note1:Average power with duty factor=Average power+DC Factor

Note2: The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

Note3: The manufacturer declared the transmitter output signals is CDD mode. And $N_{ss}=1$. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$, For power measurements on IEEE 802.11 devices.

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5\log(N_{ANT}/N_{ss})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT} + \text{Array Gain} = 0.40 + 0 = 0.40 < 6\text{dBi}$. So the power limit is 30dBm.

U-NII-2A

Test Mode	Antenna	Frequency[MHz]	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	TPC_H	17.36	80.16	0.96	18.32	≤ 23.98	PASS
11A	Ant1	5260	TPC_L	11.17	80.16	0.96	12.13	≤ 23.98	PASS
11A	Ant2	5260	TPC_H	17.35	80.16	0.96	18.31	≤ 23.61	PASS
11A	Ant2	5260	TPC_L	10.19	80.16	0.96	11.15	≤ 23.61	PASS
11A	Ant1	5300	TPC_H	17.45	79.84	0.98	18.43	≤ 23.61	PASS
11A	Ant1	5300	TPC_L	10.69	79.84	0.98	11.67	≤ 23.61	PASS
11A	Ant2	5300	TPC_H	17.40	79.84	0.98	18.38	≤ 23.63	PASS
11A	Ant2	5300	TPC_L	10.86	79.84	0.98	11.84	≤ 23.63	PASS
11A	Ant1	5320	TPC_H	17.06	80.24	0.96	18.02	≤ 23.57	PASS
11A	Ant2	5320	TPC_H	17.02	79.84	0.98	18.00	≤ 23.54	PASS
11A	Ant1	5320	TPC_L	10.92	80.24	0.96	11.88	≤ 23.57	PASS
11A	Ant2	5320	TPC_L	10.17	79.84	0.98	11.15	≤ 23.54	PASS
11A-CDD	Ant1	5260	TPC_H	14.35	80.16	0.96	15.31	≤ 23.58	PASS
11A-CDD	Ant2	5260	TPC_H	14.26	80.16	0.96	15.22	≤ 23.54	PASS
11A-CDD	total	5260	TPC_H	---	---	---	18.28	≤ 23.98	PASS
11A-CDD	Ant1	5260	TPC_L	8.19	80.16	0.96	9.15	≤ 23.58	PASS
11A-CDD	Ant2	5260	TPC_L	8.03	80.16	0.96	8.99	≤ 23.54	PASS
11A-CDD	total	5260	TPC_L	---	---	---	12.08	≤ 23.98	PASS
11A-CDD	Ant1	5300	TPC_H	14.58	80.16	0.96	15.54	≤ 23.59	PASS
11A-CDD	Ant2	5300	TPC_H	13.95	80.56	0.94	14.89	≤ 23.56	PASS
11A-CDD	total	5300	TPC_H	---	---	---	18.24	≤ 23.98	PASS
11A-CDD	Ant1	5300	TPC_L	8.38	80.16	0.96	9.34	≤ 23.59	PASS
11A-CDD	Ant2	5300	TPC_L	7.47	80.56	0.94	8.41	≤ 23.56	PASS
11A-CDD	total	5300	TPC_L	---	---	---	11.91	≤ 23.98	PASS
11A-CDD	Ant1	5320	TPC_H	14.32	79.08	1.02	15.34	≤ 23.77	PASS

11A-CDD	Ant2	5320	TPC_H	14.26	78.75	1.04	15.30	≤23.78	PASS
11A-CDD	total	5320	TPC_H	---	---	---	18.33	≤23.98	PASS
11A-CDD	Ant1	5320	TPC_L	7.53	79.08	1.02	8.55	≤23.77	PASS
11A-CDD	Ant2	5320	TPC_L	6.46	78.75	1.04	7.50	≤23.78	PASS
11A-CDD	total	5320	TPC_L	---	---	---	11.07	≤23.98	PASS
11N20SISO	Ant1	5260	TPC_H	16.13	78.66	1.04	17.17	≤23.81	PASS
11N20SISO	Ant2	5260	TPC_H	15.99	79.08	1.02	17.01	≤23.81	PASS
11N20SISO	Ant1	5260	TPC_L	9.02	78.66	1.04	10.06	≤23.81	PASS
11N20SISO	Ant2	5260	TPC_L	9.32	79.08	1.02	10.34	≤23.81	PASS
11N20SISO	Ant1	5300	TPC_H	16.18	78.75	1.04	17.22	≤23.77	PASS
11N20SISO	Ant2	5300	TPC_H	16.51	79.08	1.02	17.53	≤23.81	PASS
11N20SISO	Ant1	5300	TPC_L	8.86	78.75	1.04	9.90	≤23.77	PASS
11N20SISO	Ant2	5300	TPC_L	9.64	79.08	1.02	10.66	≤23.81	PASS
11N20SISO	Ant1	5320	TPC_H	16.14	79.08	1.02	17.16	≤23.78	PASS
11N20SISO	Ant2	5320	TPC_H	16.12	79.08	1.02	17.14	≤23.84	PASS
11N20SISO	Ant1	5320	TPC_L	9.28	79.08	1.02	10.30	≤23.78	PASS
11N20SISO	Ant2	5320	TPC_L	9.24	79.08	1.02	10.26	≤23.84	PASS
11N20MIMO	Ant1	5260	TPC_H	13.68	78.99	1.02	14.70	≤23.81	PASS
11N20MIMO	Ant2	5260	TPC_H	12.92	78.99	1.02	13.94	≤23.78	PASS
11N20MIMO	total	5260	TPC_H	---	---	---	17.35	≤23.98	PASS
11N20MIMO	Ant1	5260	TPC_L	6.75	78.99	1.02	7.77	≤23.81	PASS
11N20MIMO	Ant2	5260	TPC_L	6.33	78.99	1.02	7.35	≤23.78	PASS
11N20MIMO	total	5260	TPC_L	---	---	---	10.58	≤23.98	PASS
11N20MIMO	Ant1	5300	TPC_H	13.74	78.99	1.02	14.76	≤23.77	PASS
11N20MIMO	Ant2	5300	TPC_H	12.88	78.99	1.02	13.90	≤23.75	PASS
11N20MIMO	total	5300	TPC_H	---	---	---	17.36	≤23.98	PASS
11N20MIMO	Ant1	5300	TPC_L	7.39	78.99	1.02	8.41	≤23.77	PASS
11N20MIMO	Ant2	5300	TPC_L	6.36	78.99	1.02	7.38	≤23.75	PASS
11N20MIMO	total	5300	TPC_L	---	---	---	10.94	≤23.98	PASS
11N20MIMO	Ant1	5320	TPC_H	13.42	79.08	1.02	14.44	≤23.81	PASS
11N20MIMO	Ant2	5320	TPC_H	12.99	79.08	1.02	14.01	≤23.79	PASS
11N20MIMO	total	5320	TPC_H	---	---	---	17.24	≤23.98	PASS
11N20MIMO	Ant1	5320	TPC_L	7.12	79.08	1.02	8.14	≤23.81	PASS
11N20MIMO	Ant2	5320	TPC_L	6.18	79.08	1.02	7.20	≤23.79	PASS
11N20MIMO	total	5320	TPC_L	---	---	---	10.71	≤23.98	PASS
11N40SISO	Ant1	5270	TPC_H	15.72	64.79	1.88	17.60	≤23.98	PASS
11N40SISO	Ant2	5270	TPC_H	15.74	65.03	1.87	17.61	≤23.98	PASS
11N40SISO	Ant1	5270	TPC_L	8.59	64.79	1.88	10.47	≤23.98	PASS
11N40SISO	Ant2	5270	TPC_L	8.87	65.03	1.87	10.74	≤23.98	PASS

11N40SISO	Ant1	5310	TPC_H	15.82	65.03	1.87	17.69	≤23.98	PASS
11N40SISO	Ant2	5310	TPC_H	15.75	64.79	1.88	17.63	≤23.98	PASS
11N40SISO	Ant1	5310	TPC_L	9.31	65.03	1.87	11.18	≤23.98	PASS
11N40SISO	Ant2	5310	TPC_L	9.45	64.79	1.88	11.33	≤23.98	PASS
11N40MIMO	Ant1	5270	TPC_H	13.13	65.03	1.87	15.00	≤23.98	PASS
11N40MIMO	Ant2	5270	TPC_H	13.02	64.34	1.92	14.94	≤23.98	PASS
11N40MIMO	total	5270	TPC_H	---	---	---	17.98	≤23.98	PASS
11N40MIMO	Ant1	5270	TPC_L	6.25	65.03	1.87	8.12	≤23.98	PASS
11N40MIMO	Ant2	5270	TPC_L	5.41	64.34	1.92	7.33	≤23.98	PASS
11N40MIMO	total	5270	TPC_L	---	---	---	10.75	≤23.98	PASS
11N40MIMO	Ant1	5310	TPC_H	13.20	65.03	1.87	15.07	≤23.98	PASS
11N40MIMO	Ant2	5310	TPC_H	12.93	64.34	1.92	14.85	≤23.98	PASS
11N40MIMO	total	5310	TPC_H	---	---	---	17.97	≤23.98	PASS
11N40MIMO	Ant1	5310	TPC_L	6.57	65.03	1.87	8.44	≤23.98	PASS
11N40MIMO	Ant2	5310	TPC_L	5.86	64.34	1.92	7.78	≤23.98	PASS
11N40MIMO	total	5310	TPC_L	---	---	---	11.13	≤23.98	PASS
11AC20SISO	Ant1	5260	TPC_H	16.99	79.08	1.02	18.01	≤23.80	PASS
11AC20SISO	Ant2	5260	TPC_H	16.69	79.08	1.02	17.71	≤23.88	PASS
11AC20SISO	Ant1	5260	TPC_L	10.25	79.08	1.02	11.27	≤23.80	PASS
11AC20SISO	Ant2	5260	TPC_L	10.02	79.08	1.02	11.04	≤23.88	PASS
11AC20SISO	Ant1	5300	TPC_H	16.76	79.08	1.02	17.78	≤23.82	PASS
11AC20SISO	Ant2	5300	TPC_H	16.70	78.75	1.04	17.74	≤23.84	PASS
11AC20SISO	Ant1	5300	TPC_L	10.15	79.08	1.02	11.17	≤23.82	PASS
11AC20SISO	Ant2	5300	TPC_L	10.17	78.75	1.04	11.21	≤23.84	PASS
11AC20SISO	Ant1	5320	TPC_H	16.96	78.75	1.04	18.00	≤23.84	PASS
11AC20SISO	Ant2	5320	TPC_H	16.69	79.08	1.02	17.71	≤23.80	PASS
11AC20SISO	Ant1	5320	TPC_L	10.43	78.75	1.04	11.47	≤23.84	PASS
11AC20SISO	Ant2	5320	TPC_L	10.00	79.08	1.02	11.02	≤23.80	PASS
11AC20MIMO	Ant1	5260	TPC_H	13.52	78.75	1.04	14.56	≤23.84	PASS
11AC20MIMO	Ant2	5260	TPC_H	13.82	79.08	1.02	14.84	≤23.81	PASS
11AC20MIMO	total	5260	TPC_H	---	---	---	17.71	≤23.98	PASS
11AC20MIMO	Ant1	5260	TPC_L	6.34	78.75	1.04	7.38	≤23.84	PASS
11AC20MIMO	Ant2	5260	TPC_L	6.56	79.08	1.02	7.58	≤23.81	PASS
11AC20MIMO	total	5260	TPC_L	---	---	---	10.49	≤23.98	PASS
11AC20MIMO	Ant1	5300	TPC_H	14.38	78.75	1.04	15.42	≤23.81	PASS
11AC20MIMO	Ant2	5300	TPC_H	12.51	79.08	1.02	13.53	≤23.79	PASS
11AC20MIMO	total	5300	TPC_H	---	---	---	17.59	≤23.98	PASS
11AC20MIMO	Ant1	5300	TPC_L	7.36	78.75	1.04	8.40	≤23.81	PASS
11AC20MIMO	Ant2	5300	TPC_L	7.04	79.08	1.02	8.06	≤23.79	PASS

11AC20MIMO	total	5300	TPC_L	---	---	---	11.24	≤23.98	PASS
11AC20MIMO	Ant1	5320	TPC_H	14.32	79.08	1.02	15.34	≤23.79	PASS
11AC20MIMO	Ant2	5320	TPC_H	13.20	79.50	1.00	14.20	≤23.79	PASS
11AC20MIMO	total	5320	TPC_H	---	---	---	17.82	≤23.98	PASS
11AC20MIMO	Ant1	5320	TPC_L	7.52	79.08	1.02	8.54	≤23.79	PASS
11AC20MIMO	Ant2	5320	TPC_L	6.55	79.50	1.00	7.55	≤23.79	PASS
11AC20MIMO	total	5320	TPC_L	---	---	---	11.08	≤23.98	PASS
11AC40SISO	Ant1	5270	TPC_H	15.41	64.58	1.90	17.31	≤23.98	PASS
11AC40SISO	Ant2	5270	TPC_H	15.33	64.58	1.90	17.23	≤23.98	PASS
11AC40SISO	Ant1	5270	TPC_L	7.91	64.58	1.90	9.81	≤23.98	PASS
11AC40SISO	Ant2	5270	TPC_L	8.59	64.58	1.90	10.49	≤23.98	PASS
11AC40SISO	Ant1	5310	TPC_H	15.46	64.58	1.90	17.36	≤23.98	PASS
11AC40SISO	Ant2	5310	TPC_H	15.42	65.03	1.87	17.29	≤23.98	PASS
11AC40SISO	Ant1	5310	TPC_L	8.27	64.58	1.90	10.17	≤23.98	PASS
11AC40SISO	Ant2	5310	TPC_L	9.06	65.03	1.87	10.93	≤23.98	PASS
11AC40MIMO	Ant1	5270	TPC_H	12.41	65.03	1.87	14.28	≤23.98	PASS
11AC40MIMO	Ant2	5270	TPC_H	12.61	65.03	1.87	14.48	≤23.98	PASS
11AC40MIMO	total	5270	TPC_H	---	---	---	17.39	≤23.98	PASS
11AC40MIMO	Ant1	5270	TPC_L	5.19	65.03	1.87	7.06	≤23.98	PASS
11AC40MIMO	Ant2	5270	TPC_L	4.98	65.03	1.87	6.85	≤23.98	PASS
11AC40MIMO	total	5270	TPC_L	---	---	---	9.97	≤23.98	PASS
11AC40MIMO	Ant1	5310	TPC_H	12.75	65.03	1.87	14.62	≤23.98	PASS
11AC40MIMO	Ant2	5310	TPC_H	12.38	65.03	1.87	14.25	≤23.98	PASS
11AC40MIMO	total	5310	TPC_H	---	---	---	17.45	≤23.98	PASS
11AC40MIMO	Ant1	5310	TPC_L	6.12	65.03	1.87	7.99	≤23.98	PASS
11AC40MIMO	Ant2	5310	TPC_L	5.46	65.03	1.87	7.33	≤23.98	PASS
11AC40MIMO	total	5310	TPC_L	---	---	---	10.68	≤23.98	PASS
11AC80SISO	Ant1	5290	TPC_H	14.01	47.92	3.19	17.20	≤23.98	PASS
11AC80SISO	Ant2	5290	TPC_H	13.83	47.37	3.24	17.07	≤23.98	PASS
11AC80SISO	Ant2	5290	TPC_L	6.90	47.37	3.24	10.14	≤23.98	PASS
11AC80SISO	Ant1	5290	TPC_L	6.70	47.92	3.19	9.89	≤23.98	PASS
11AC80MIMO	Ant1	5290	TPC_H	11.02	46.88	3.29	14.31	≤23.98	PASS
11AC80MIMO	Ant2	5290	TPC_H	11.01	47.37	3.24	14.25	≤23.98	PASS
11AC80MIMO	total	5290	TPC_H	---	---	---	17.29	≤23.98	PASS
11AC80MIMO	Ant1	5290	TPC_L	4.35	46.88	3.29	7.64	≤23.98	PASS
11AC80MIMO	Ant2	5290	TPC_L	5.16	47.37	3.24	8.40	≤23.98	PASS
11AC80MIMO	total	5290	TPC_L	---	---	---	11.05	≤23.98	PASS

Note1: Average power with duty factor=Average power+DC Factor.

Note2: The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

Note3: The manufacturer declared the transmitter output signals is CDD mode. And $N_{SS}=1$. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F2) f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$, For power measurements on IEEE 802.11 devices.

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT} + \text{Array Gain} = 0.40 + 0 = 0.40 < 6$ dBi.

U-NII-2C

Test Mode	Antenna	Frequency[MHz]	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	TPC_H	17.12	79.84	0.98	18.10	≤ 23.64	PASS
11A	Ant2	5500	TPC_H	17.43	80.56	0.94	18.37	≤ 23.55	PASS
11A	Ant1	5500	TPC_L	10.97	79.84	0.98	11.95	≤ 23.64	PASS
11A	Ant2	5500	TPC_L	10.67	80.56	0.94	11.61	≤ 23.55	PASS
11A	Ant1	5580	TPC_H	17.54	80.24	0.96	18.50	≤ 23.58	PASS
11A	Ant2	5580	TPC_H	17.44	80.16	0.96	18.40	≤ 23.53	PASS
11A	Ant1	5580	TPC_L	10.44	80.24	0.96	11.40	≤ 23.58	PASS
11A	Ant2	5580	TPC_L	11.00	80.16	0.96	11.96	≤ 23.53	PASS
11A	Ant1	5700	TPC_H	17.38	80.16	0.96	18.34	≤ 23.57	PASS
11A	Ant2	5700	TPC_H	17.53	80.24	0.96	18.49	≤ 23.62	PASS
11A	Ant1	5700	TPC_L	10.91	80.16	0.96	11.87	≤ 23.57	PASS
11A	Ant2	5700	TPC_L	10.91	80.24	0.96	11.87	≤ 23.62	PASS
11A	Ant1	5720_UNII-2C	TPC_H	17.34	79.84	0.98	18.32	≤ 22.44	PASS
11A	Ant2	5720_UNII-2C	TPC_H	17.28	80.24	0.96	18.24	≤ 22.39	PASS
11A	Ant1	5720_UNII-2C	TPC_L	10.81	79.84	0.98	11.79	≤ 22.44	PASS
11A	Ant2	5720_UNII-2C	TPC_L	10.88	80.24	0.96	11.84	≤ 22.39	PASS
11A	Ant1	5720_UNII-3	TPC_H	9.19	79.84	0.98	10.17	≤ 30.00	PASS
11A	Ant2	5720_UNII-3	TPC_H	9.22	80.24	0.96	10.18	≤ 30.00	PASS
11A	Ant1	5720_UNII-3	TPC_L	2.75	79.84	0.98	3.73	≤ 30.00	PASS
11A	Ant2	5720_UNII-3	TPC_L	2.91	80.24	0.96	3.87	≤ 30.00	PASS
11A-CDD	Ant1	5500	TPC_H	14.93	79.84	0.98	15.91	≤ 23.63	PASS
11A-CDD	Ant2	5500	TPC_H	14.19	80.16	0.96	15.15	≤ 23.61	PASS
11A-CDD	total	5500	TPC_H	---	---	---	18.56	≤ 23.98	PASS
11A-CDD	Ant1	5500	TPC_L	8.64	79.84	0.98	9.62	≤ 23.63	PASS
11A-CDD	Ant2	5500	TPC_L	6.99	80.16	0.96	7.95	≤ 23.61	PASS
11A-CDD	total	5500	TPC_L	---	---	---	11.88	≤ 23.98	PASS
11A-CDD	Ant1	5580	TPC_H	14.32	80.56	0.94	15.26	≤ 23.60	PASS

11A-CDD	Ant2	5580	TPC_H	14.93	79.84	0.98	15.91	≤23.54	PASS
11A-CDD	total	5580	TPC_H	---	---	---	18.61	≤23.98	PASS
11A-CDD	Ant1	5580	TPC_L	8.14	80.56	0.94	9.08	≤23.60	PASS
11A-CDD	Ant2	5580	TPC_L	8.47	79.84	0.98	9.45	≤23.54	PASS
11A-CDD	total	5580	TPC_L	---	---	---	12.28	≤23.98	PASS
11A-CDD	Ant1	5700	TPC_H	15.17	79.84	0.98	16.15	≤23.60	PASS
11A-CDD	Ant2	5700	TPC_H	14.47	80.16	0.96	15.43	≤23.51	PASS
11A-CDD	total	5700	TPC_H	---	---	---	18.82	≤23.98	PASS
11A-CDD	Ant1	5700	TPC_L	8.78	79.84	0.98	9.76	≤23.60	PASS
11A-CDD	Ant2	5700	TPC_L	8.33	80.16	0.96	9.29	≤23.51	PASS
11A-CDD	total	5700	TPC_L	---	---	---	12.54	≤23.98	PASS
11A-CDD	Ant1	5720_UNII-2C	TPC_H	14.95	80.24	0.96	15.91	≤22.39	PASS
11A-CDD	Ant2	5720_UNII-2C	TPC_H	14.64	80.16	0.96	15.60	≤22.45	PASS
11A-CDD	total	5720_UNII-2C	TPC_H	---	---	---	18.77	≤23.98	PASS
11A-CDD	Ant1	5720_UNII-2C	TPC_L	7.93	80.24	0.96	8.89	≤22.39	PASS
11A-CDD	Ant2	5720_UNII-2C	TPC_L	7.86	80.16	0.96	8.82	≤22.45	PASS
11A-CDD	total	5720_UNII-2C	TPC_L	---	---	---	11.87	≤23.98	PASS
11A-CDD	Ant1	5720_UNII-3	TPC_H	6.97	80.24	0.96	7.93	≤30.00	PASS
11A-CDD	Ant2	5720_UNII-3	TPC_H	5.77	80.16	0.96	6.73	≤30.00	PASS
11A-CDD	total	5720_UNII-3	TPC_H	---	---	---	10.38	≤30.00	PASS
11A-CDD	Ant1	5720_UNII-3	TPC_L	0.00	80.24	0.96	0.96	≤30.00	PASS
11A-CDD	Ant2	5720_UNII-3	TPC_L	-0.95	80.16	0.96	0.01	≤30.00	PASS
11A-CDD	total	5720_UNII-3	TPC_L	---	---	---	3.52	≤30.00	PASS
11N20SISO	Ant1	5500	TPC_H	16.36	79.08	1.02	17.38	≤23.82	PASS
11N20SISO	Ant2	5500	TPC_H	16.22	79.08	1.02	17.24	≤23.80	PASS
11N20SISO	Ant1	5500	TPC_L	9.49	79.08	1.02	10.51	≤23.82	PASS
11N20SISO	Ant2	5500	TPC_L	9.80	79.08	1.02	10.82	≤23.80	PASS
11N20SISO	Ant1	5580	TPC_H	16.33	78.75	1.04	17.37	≤23.76	PASS
11N20SISO	Ant2	5580	TPC_H	16.20	78.75	1.04	17.24	≤23.84	PASS
11N20SISO	Ant1	5580	TPC_L	9.48	78.75	1.04	10.52	≤23.76	PASS
11N20SISO	Ant2	5580	TPC_L	9.82	78.75	1.04	10.86	≤23.84	PASS
11N20SISO	Ant1	5700	TPC_H	16.07	78.66	1.04	17.11	≤23.85	PASS
11N20SISO	Ant2	5700	TPC_H	16.36	79.08	1.02	17.38	≤23.83	PASS
11N20SISO	Ant1	5700	TPC_L	9.48	78.66	1.04	10.52	≤23.85	PASS
11N20SISO	Ant2	5700	TPC_L	9.65	79.08	1.02	10.67	≤23.83	PASS
11N20SISO	Ant1	5720_UNII-2C	TPC_H	16.32	79.08	1.02	17.34	≤22.61	PASS
11N20SISO	Ant2	5720_UNII-2C	TPC_H	16.29	78.66	1.04	17.33	≤22.60	PASS
11N20SISO	Ant1	5720_UNII-2C	TPC_L	9.48	79.08	1.02	10.50	≤22.61	PASS
11N20SISO	Ant2	5720_UNII-2C	TPC_L	9.78	78.66	1.04	10.82	≤22.60	PASS

11N20SISO	Ant1	5720_UNII-3	TPC_H	8.69	79.08	1.02	9.71	≤30.00	PASS
11N20SISO	Ant2	5720_UNII-3	TPC_H	8.64	78.66	1.04	9.68	≤30.00	PASS
11N20SISO	Ant1	5720_UNII-3	TPC_L	1.88	79.08	1.02	2.90	≤30.00	PASS
11N20SISO	Ant2	5720_UNII-3	TPC_L	2.11	78.66	1.04	3.15	≤30.00	PASS
11N20MIMO	Ant1	5500	TPC_H	13.44	78.66	1.04	14.48	≤23.81	PASS
11N20MIMO	Ant2	5500	TPC_H	12.50	79.08	1.02	13.52	≤23.80	PASS
11N20MIMO	total	5500	TPC_H	---	---	---	17.04	≤23.98	PASS
11N20MIMO	Ant1	5500	TPC_L	6.65	78.66	1.04	7.69	≤23.81	PASS
11N20MIMO	Ant2	5500	TPC_L	6.75	79.08	1.02	7.77	≤23.80	PASS
11N20MIMO	total	5500	TPC_L	---	---	---	10.74	≤23.98	PASS
11N20MIMO	Ant1	5580	TPC_H	13.56	78.99	1.02	14.58	≤23.78	PASS
11N20MIMO	Ant2	5580	TPC_H	13.49	78.66	1.04	14.53	≤23.76	PASS
11N20MIMO	total	5580	TPC_H	---	---	---	17.57	≤23.98	PASS
11N20MIMO	Ant1	5580	TPC_L	6.29	78.99	1.02	7.31	≤23.78	PASS
11N20MIMO	Ant2	5580	TPC_L	6.92	78.66	1.04	7.96	≤23.76	PASS
11N20MIMO	total	5580	TPC_L	---	---	---	10.66	≤23.98	PASS
11N20MIMO	Ant1	5700	TPC_H	13.43	78.66	1.04	14.47	≤23.82	PASS
11N20MIMO	Ant2	5700	TPC_H	13.46	79.08	1.02	14.48	≤23.82	PASS
11N20MIMO	total	5700	TPC_H	---	---	---	17.49	≤23.98	PASS
11N20MIMO	Ant1	5700	TPC_L	6.40	78.66	1.04	7.44	≤23.82	PASS
11N20MIMO	Ant2	5700	TPC_L	6.38	79.08	1.02	7.40	≤23.82	PASS
11N20MIMO	total	5700	TPC_L	---	---	---	10.43	≤23.98	PASS
11N20MIMO	Ant1	5720_UNII-2C	TPC_H	13.32	78.99	1.02	14.34	≤22.67	PASS
11N20MIMO	Ant2	5720_UNII-2C	TPC_H	13.26	78.99	1.02	14.28	≤22.58	PASS
11N20MIMO	total	5720_UNII-2C	TPC_H	---	---	---	17.32	≤23.98	PASS
11N20MIMO	Ant1	5720_UNII-2C	TPC_L	6.86	78.99	1.02	7.88	≤22.67	PASS
11N20MIMO	Ant2	5720_UNII-2C	TPC_L	6.44	78.99	1.02	7.46	≤22.58	PASS
11N20MIMO	total	5720_UNII-2C	TPC_L	---	---	---	10.69	≤23.98	PASS
11N20MIMO	Ant1	5720_UNII-3	TPC_H	5.82	78.99	1.02	6.84	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	TPC_H	4.92	78.99	1.02	5.94	≤30.00	PASS
11N20MIMO	total	5720_UNII-3	TPC_H	---	---	---	9.42	≤30.00	PASS
11N20MIMO	Ant1	5720_UNII-3	TPC_L	-0.70	78.99	1.02	0.32	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	TPC_L	-1.90	78.99	1.02	-0.88	≤30.00	PASS
11N20MIMO	total	5720_UNII-3	TPC_L	---	---	---	2.77	≤30.00	PASS
11N40SISO	Ant1	5510	TPC_H	15.87	65.03	1.87	17.74	≤23.98	PASS
11N40SISO	Ant2	5510	TPC_H	15.95	65.03	1.87	17.82	≤23.98	PASS
11N40SISO	Ant1	5510	TPC_L	9.44	65.03	1.87	11.31	≤23.98	PASS
11N40SISO	Ant2	5510	TPC_L	9.42	65.03	1.87	11.29	≤23.98	PASS
11N40SISO	Ant1	5550	TPC_H	15.88	64.34	1.92	17.80	≤23.98	PASS

11N40SISO	Ant2	5550	TPC_H	15.73	64.34	1.92	17.65	≤23.98	PASS
11N40SISO	Ant1	5550	TPC_L	9.06	64.34	1.92	10.98	≤23.98	PASS
11N40SISO	Ant2	5550	TPC_L	9.43	64.34	1.92	11.35	≤23.98	PASS
11N40SISO	Ant1	5670	TPC_H	15.87	64.34	1.92	17.79	≤23.98	PASS
11N40SISO	Ant2	5670	TPC_H	15.76	65.03	1.87	17.63	≤23.98	PASS
11N40SISO	Ant1	5670	TPC_L	9.60	64.34	1.92	11.52	≤23.98	PASS
11N40SISO	Ant2	5670	TPC_L	9.36	65.03	1.87	11.23	≤23.98	PASS
11N40SISO	Ant1	5710_UNII-2C	TPC_H	16.04	64.34	1.92	17.96	≤23.98	PASS
11N40SISO	Ant2	5710_UNII-2C	TPC_H	16.06	64.34	1.92	17.98	≤23.98	PASS
11N40SISO	Ant1	5710_UNII-2C	TPC_L	9.34	64.34	1.92	11.26	≤23.98	PASS
11N40SISO	Ant2	5710_UNII-2C	TPC_L	9.24	64.34	1.92	11.16	≤23.98	PASS
11N40SISO	Ant1	5710_UNII-3	TPC_H	2.38	64.34	1.92	4.30	≤30.00	PASS
11N40SISO	Ant2	5710_UNII-3	TPC_H	2.44	64.34	1.92	4.36	≤30.00	PASS
11N40SISO	Ant1	5710_UNII-3	TPC_L	-4.18	64.34	1.92	-2.26	≤30.00	PASS
11N40SISO	Ant2	5710_UNII-3	TPC_L	-4.45	64.34	1.92	-2.53	≤30.00	PASS
11N40MIMO	Ant1	5510	TPC_H	13.18	65.03	1.87	15.05	≤23.98	PASS
11N40MIMO	Ant2	5510	TPC_H	12.49	65.03	1.87	14.36	≤23.98	PASS
11N40MIMO	total	5510	TPC_H	---	---	---	17.73	≤23.98	PASS
11N40MIMO	Ant1	5510	TPC_L	6.47	65.03	1.87	8.34	≤23.98	PASS
11N40MIMO	Ant2	5510	TPC_L	6.64	65.03	1.87	8.51	≤23.98	PASS
11N40MIMO	total	5510	TPC_L	---	---	---	11.44	≤23.98	PASS
11N40MIMO	Ant1	5550	TPC_H	12.77	65.03	1.87	14.64	≤23.98	PASS
11N40MIMO	Ant2	5550	TPC_H	12.98	65.03	1.87	14.85	≤23.98	PASS
11N40MIMO	total	5550	TPC_H	---	---	---	17.76	≤23.98	PASS
11N40MIMO	Ant1	5550	TPC_L	6.46	65.03	1.87	8.33	≤23.98	PASS
11N40MIMO	Ant2	5550	TPC_L	6.56	65.03	1.87	8.43	≤23.98	PASS
11N40MIMO	total	5550	TPC_L	---	---	---	11.39	≤23.98	PASS
11N40MIMO	Ant1	5670	TPC_H	12.83	64.34	1.92	14.75	≤23.98	PASS
11N40MIMO	Ant2	5670	TPC_H	12.65	65.03	1.87	14.52	≤23.98	PASS
11N40MIMO	total	5670	TPC_H	---	---	---	17.65	≤23.98	PASS
11N40MIMO	Ant1	5670	TPC_L	6.74	64.34	1.92	8.66	≤23.98	PASS
11N40MIMO	Ant2	5670	TPC_L	5.99	65.03	1.87	7.86	≤23.98	PASS
11N40MIMO	total	5670	TPC_L	---	---	---	11.29	≤23.98	PASS
11N40MIMO	Ant1	5710_UNII-2C	TPC_H	12.70	65.03	1.87	14.57	≤23.98	PASS
11N40MIMO	Ant2	5710_UNII-2C	TPC_H	12.59	64.79	1.88	14.47	≤23.98	PASS
11N40MIMO	total	5710_UNII-2C	TPC_H	---	---	---	17.53	≤23.98	PASS
11N40MIMO	Ant1	5710_UNII-2C	TPC_L	6.35	65.03	1.87	8.22	≤23.98	PASS
11N40MIMO	Ant2	5710_UNII-2C	TPC_L	5.96	64.79	1.88	7.84	≤23.98	PASS
11N40MIMO	total	5710_UNII-2C	TPC_L	---	---	---	11.04	≤23.98	PASS

11N40MIMO	Ant1	5710_UNII-3	TPC_H	-0.73	65.03	1.87	1.14	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	TPC_H	-2.13	64.79	1.88	-0.25	≤30.00	PASS
11N40MIMO	total	5710_UNII-3	TPC_H	---	---	---	3.51	≤30.00	PASS
11N40MIMO	Ant1	5710_UNII-3	TPC_L	-7.16	65.03	1.87	-5.29	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	TPC_L	-8.91	64.79	1.88	-7.03	≤30.00	PASS
11N40MIMO	total	5710_UNII-3	TPC_L	---	---	---	-3.06	≤30.00	PASS
11AC20SISO	Ant1	5500	TPC_H	16.66	78.75	1.04	17.70	≤23.80	PASS
11AC20SISO	Ant2	5500	TPC_H	16.53	79.08	1.02	17.55	≤23.82	PASS
11AC20SISO	Ant1	5500	TPC_L	9.92	78.75	1.04	10.96	≤23.80	PASS
11AC20SISO	Ant2	5500	TPC_L	10.05	79.08	1.02	11.07	≤23.82	PASS
11AC20SISO	Ant1	5580	TPC_H	16.45	78.75	1.04	17.49	≤23.82	PASS
11AC20SISO	Ant2	5580	TPC_H	16.75	79.08	1.02	17.77	≤23.81	PASS
11AC20SISO	Ant1	5580	TPC_L	10.37	78.75	1.04	11.41	≤23.82	PASS
11AC20SISO	Ant2	5580	TPC_L	10.07	79.08	1.02	11.09	≤23.81	PASS
11AC20SISO	Ant1	5700	TPC_H	16.83	79.08	1.02	17.85	≤23.90	PASS
11AC20SISO	Ant2	5700	TPC_H	16.44	79.08	1.02	17.46	≤23.79	PASS
11AC20SISO	Ant1	5700	TPC_L	10.49	79.08	1.02	11.51	≤23.90	PASS
11AC20SISO	Ant2	5700	TPC_L	10.53	79.08	1.02	11.55	≤23.79	PASS
11AC20SISO	Ant1	5720_UNII-2C	TPC_H	16.76	79.08	1.02	17.78	≤22.66	PASS
11AC20SISO	Ant2	5720_UNII-2C	TPC_H	16.58	79.50	1.00	17.58	≤22.57	PASS
11AC20SISO	Ant1	5720_UNII-2C	TPC_L	9.81	79.08	1.02	10.83	≤22.66	PASS
11AC20SISO	Ant2	5720_UNII-2C	TPC_L	10.43	79.50	1.00	11.43	≤22.57	PASS
11AC20SISO	Ant1	5720_UNII-3	TPC_H	9.21	79.08	1.02	10.23	≤30.00	PASS
11AC20SISO	Ant2	5720_UNII-3	TPC_H	9.12	79.50	1.00	10.12	≤30.00	PASS
11AC20SISO	Ant1	5720_UNII-3	TPC_L	2.19	79.08	1.02	3.21	≤30.00	PASS
11AC20SISO	Ant2	5720_UNII-3	TPC_L	2.96	79.50	1.00	3.96	≤30.00	PASS
11AC20MIMO	Ant1	5500	TPC_H	14.30	79.50	1.00	15.30	≤23.86	PASS
11AC20MIMO	Ant2	5500	TPC_H	12.74	78.75	1.04	13.78	≤23.81	PASS
11AC20MIMO	total	5500	TPC_H	---	---	---	17.62	≤23.98	PASS
11AC20MIMO	Ant1	5500	TPC_L	7.91	79.50	1.00	8.91	≤23.86	PASS
11AC20MIMO	Ant2	5500	TPC_L	7.40	78.75	1.04	8.44	≤23.81	PASS
11AC20MIMO	total	5500	TPC_L	---	---	---	11.69	≤23.98	PASS
11AC20MIMO	Ant1	5580	TPC_H	13.16	79.17	1.01	14.17	≤23.79	PASS
11AC20MIMO	Ant2	5580	TPC_H	14.56	79.17	1.01	15.57	≤23.80	PASS
11AC20MIMO	total	5580	TPC_H	---	---	---	17.94	≤23.98	PASS
11AC20MIMO	Ant1	5580	TPC_L	7.91	79.17	1.01	8.92	≤23.79	PASS
11AC20MIMO	Ant2	5580	TPC_L	8.30	79.17	1.01	9.31	≤23.80	PASS
11AC20MIMO	total	5580	TPC_L	---	---	---	12.13	≤23.98	PASS
11AC20MIMO	Ant1	5700	TPC_H	14.07	78.75	1.04	15.11	≤23.81	PASS

11AC20MIMO	Ant2	5700	TPC_H	13.65	79.08	1.02	14.67	≤23.79	PASS
11AC20MIMO	total	5700	TPC_H	---	---	---	17.91	≤23.98	PASS
11AC20MIMO	Ant1	5700	TPC_L	8.03	78.75	1.04	9.07	≤23.81	PASS
11AC20MIMO	Ant2	5700	TPC_L	8.11	79.08	1.02	9.13	≤23.79	PASS
11AC20MIMO	total	5700	TPC_L	---	---	---	12.11	≤23.98	PASS
11AC20MIMO	Ant1	5720_UNII-2C	TPC_H	13.32	79.08	1.02	14.34	≤22.64	PASS
11AC20MIMO	Ant2	5720_UNII-2C	TPC_H	13.18	78.75	1.04	14.22	≤22.60	PASS
11AC20MIMO	total	5720_UNII-2C	TPC_H	---	---	---	17.29	≤23.98	PASS
11AC20MIMO	Ant1	5720_UNII-2C	TPC_L	8.17	79.08	1.02	9.19	≤22.64	PASS
11AC20MIMO	Ant2	5720_UNII-2C	TPC_L	8.40	78.75	1.04	9.44	≤22.60	PASS
11AC20MIMO	total	5720_UNII-2C	TPC_L	---	---	---	12.33	≤23.98	PASS
11AC20MIMO	Ant1	5720_UNII-3	TPC_H	5.87	79.08	1.02	6.89	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	TPC_H	4.77	78.75	1.04	5.81	≤30.00	PASS
11AC20MIMO	total	5720_UNII-3	TPC_H	---	---	---	9.39	≤30.00	PASS
11AC20MIMO	Ant1	5720_UNII-3	TPC_L	0.65	79.08	1.02	1.67	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	TPC_L	0.09	78.75	1.04	1.13	≤30.00	PASS
11AC20MIMO	total	5720_UNII-3	TPC_L	---	---	---	4.42	≤30.00	PASS
11AC40SISO	Ant1	5510	TPC_H	15.24	65.03	1.87	17.11	≤23.98	PASS
11AC40SISO	Ant2	5510	TPC_H	15.48	65.03	1.87	17.35	≤23.98	PASS
11AC40SISO	Ant1	5510	TPC_L	9.06	65.03	1.87	10.93	≤23.98	PASS
11AC40SISO	Ant2	5510	TPC_L	9.15	65.03	1.87	11.02	≤23.98	PASS
11AC40SISO	Ant1	5550	TPC_H	15.36	65.28	1.85	17.21	≤23.98	PASS
11AC40SISO	Ant2	5550	TPC_H	15.66	65.03	1.87	17.53	≤23.98	PASS
11AC40SISO	Ant1	5550	TPC_L	9.00	65.28	1.85	10.85	≤23.98	PASS
11AC40SISO	Ant2	5550	TPC_L	8.86	65.03	1.87	10.73	≤23.98	PASS
11AC40SISO	Ant1	5670	TPC_H	15.40	65.03	1.87	17.27	≤23.98	PASS
11AC40SISO	Ant2	5670	TPC_H	15.33	65.03	1.87	17.20	≤23.98	PASS
11AC40SISO	Ant1	5670	TPC_L	9.01	65.03	1.87	10.88	≤23.98	PASS
11AC40SISO	Ant2	5670	TPC_L	8.88	65.03	1.87	10.75	≤23.98	PASS
11AC40SISO	Ant1	5710_UNII-2C	TPC_H	15.14	65.03	1.87	17.01	≤23.98	PASS
11AC40SISO	Ant2	5710_UNII-2C	TPC_H	15.37	64.58	1.90	17.27	≤23.98	PASS
11AC40SISO	Ant1	5710_UNII-2C	TPC_L	9.15	65.03	1.87	11.02	≤23.98	PASS
11AC40SISO	Ant2	5710_UNII-2C	TPC_L	8.71	64.58	1.90	10.61	≤23.98	PASS
11AC40SISO	Ant1	5710_UNII-3	TPC_H	1.59	65.03	1.87	3.46	≤30.00	PASS
11AC40SISO	Ant2	5710_UNII-3	TPC_H	1.64	64.58	1.90	3.54	≤30.00	PASS
11AC40SISO	Ant1	5710_UNII-3	TPC_L	-4.29	65.03	1.87	-2.42	≤30.00	PASS
11AC40SISO	Ant2	5710_UNII-3	TPC_L	-4.94	64.58	1.90	-3.04	≤30.00	PASS
11AC40MIMO	Ant1	5510	TPC_H	12.78	65.03	1.87	14.65	≤23.98	PASS
11AC40MIMO	Ant2	5510	TPC_H	12.49	65.03	1.87	14.36	≤23.98	PASS

11AC40MIMO	total	5510	TPC_H	---	---	---	17.52	≤23.98	PASS
11AC40MIMO	Ant1	5510	TPC_L	5.75	65.03	1.87	7.62	≤23.98	PASS
11AC40MIMO	Ant2	5510	TPC_L	5.97	65.03	1.87	7.84	≤23.98	PASS
11AC40MIMO	total	5510	TPC_L	---	---	---	10.74	≤23.98	PASS
11AC40MIMO	Ant1	5550	TPC_H	12.23	64.58	1.90	14.13	≤23.98	PASS
11AC40MIMO	Ant2	5550	TPC_H	13.05	64.58	1.90	14.95	≤23.98	PASS
11AC40MIMO	total	5550	TPC_H	---	---	---	17.57	≤23.98	PASS
11AC40MIMO	Ant1	5550	TPC_L	5.81	64.58	1.90	7.71	≤23.98	PASS
11AC40MIMO	Ant2	5550	TPC_L	5.75	64.58	1.90	7.65	≤23.98	PASS
11AC40MIMO	total	5550	TPC_L	---	---	---	10.69	≤23.98	PASS
11AC40MIMO	Ant1	5670	TPC_H	12.54	65.03	1.87	14.41	≤23.98	PASS
11AC40MIMO	Ant2	5670	TPC_H	12.39	64.58	1.90	14.29	≤23.98	PASS
11AC40MIMO	total	5670	TPC_H	---	---	---	17.36	≤23.98	PASS
11AC40MIMO	Ant1	5670	TPC_L	5.99	65.03	1.87	7.86	≤23.98	PASS
11AC40MIMO	Ant2	5670	TPC_L	5.75	64.58	1.90	7.65	≤23.98	PASS
11AC40MIMO	total	5670	TPC_L	---	---	---	10.77	≤23.98	PASS
11AC40MIMO	Ant1	5710_UNII-2C	TPC_H	12.35	65.28	1.85	14.20	≤23.98	PASS
11AC40MIMO	Ant2	5710_UNII-2C	TPC_H	12.28	65.03	1.87	14.15	≤23.98	PASS
11AC40MIMO	total	5710_UNII-2C	TPC_H	---	---	---	17.19	≤23.98	PASS
11AC40MIMO	Ant1	5710_UNII-2C	TPC_L	6.16	65.28	1.85	8.01	≤23.98	PASS
11AC40MIMO	Ant2	5710_UNII-2C	TPC_L	5.94	65.03	1.87	7.81	≤23.98	PASS
11AC40MIMO	total	5710_UNII-2C	TPC_L	---	---	---	10.92	≤23.98	PASS
11AC40MIMO	Ant1	5710_UNII-3	TPC_H	-1.07	65.28	1.85	0.78	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	TPC_H	-2.71	65.03	1.87	-0.84	≤30.00	PASS
11AC40MIMO	total	5710_UNII-3	TPC_H	---	---	---	3.06	≤30.00	PASS
11AC40MIMO	Ant1	5710_UNII-3	TPC_L	-7.29	65.28	1.85	-5.44	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	TPC_L	-9.02	65.03	1.87	-7.15	≤30.00	PASS
11AC40MIMO	total	5710_UNII-3	TPC_L	---	---	---	-3.20	≤30.00	PASS
11AC80SISO	Ant1	5530	TPC_H	13.96	47.92	3.19	17.15	≤23.98	PASS
11AC80SISO	Ant2	5530	TPC_H	13.69	47.37	3.24	16.93	≤23.98	PASS
11AC80SISO	Ant1	5530	TPC_L	7.75	47.92	3.19	10.94	≤23.98	PASS
11AC80SISO	Ant2	5530	TPC_L	6.81	47.37	3.24	10.05	≤23.98	PASS
11AC80SISO	Ant1	5610	TPC_H	13.74	47.37	3.24	16.98	≤23.98	PASS
11AC80SISO	Ant2	5610	TPC_H	13.94	46.88	3.29	17.23	≤23.98	PASS
11AC80SISO	Ant1	5610	TPC_L	7.10	47.37	3.24	10.34	≤23.98	PASS
11AC80SISO	Ant2	5610	TPC_L	6.83	46.88	3.29	10.12	≤23.98	PASS
11AC80SISO	Ant1	5690_UNII-2C	TPC_H	13.76	47.37	3.24	17.00	≤23.98	PASS
11AC80SISO	Ant2	5690_UNII-2C	TPC_H	14.51	47.37	3.24	17.75	≤23.98	PASS
11AC80SISO	Ant1	5690_UNII-2C	TPC_L	7.69	47.37	3.24	10.93	≤23.98	PASS

11AC80SISO	Ant2	5690_UNII-2C	TPC_L	6.98	47.37	3.24	10.22	≤23.98	PASS
11AC80SISO	Ant1	5690_UNII-3	TPC_H	-5.63	47.37	3.24	-2.39	≤30.00	PASS
11AC80SISO	Ant2	5690_UNII-3	TPC_H	-5.40	47.37	3.24	-2.16	≤30.00	PASS
11AC80SISO	Ant1	5690_UNII-3	TPC_L	-12.38	47.37	3.24	-9.14	≤30.00	PASS
11AC80SISO	Ant2	5690_UNII-3	TPC_L	-12.51	47.37	3.24	-9.27	≤30.00	PASS
11AC80MIMO	Ant1	5530	TPC_H	10.87	47.92	3.19	14.06	≤23.98	PASS
11AC80MIMO	Ant2	5530	TPC_H	11.05	46.88	3.29	14.34	≤23.98	PASS
11AC80MIMO	total	5530	TPC_H	---	---	---	17.21	≤23.98	PASS
11AC80MIMO	Ant1	5530	TPC_L	4.45	47.92	3.19	7.64	≤23.98	PASS
11AC80MIMO	Ant2	5530	TPC_L	4.84	46.88	3.29	8.13	≤23.98	PASS
11AC80MIMO	total	5530	TPC_L	---	---	---	10.90	≤23.98	PASS
11AC80MIMO	Ant1	5610	TPC_H	11.05	47.92	3.19	14.24	≤23.98	PASS
11AC80MIMO	Ant2	5610	TPC_H	11.33	47.92	3.19	14.52	≤23.98	PASS
11AC80MIMO	total	5610	TPC_H	---	---	---	17.39	≤23.98	PASS
11AC80MIMO	Ant1	5610	TPC_L	4.63	47.92	3.19	7.82	≤23.98	PASS
11AC80MIMO	Ant2	5610	TPC_L	5.03	47.92	3.19	8.22	≤23.98	PASS
11AC80MIMO	total	5610	TPC_L	---	---	---	11.03	≤23.98	PASS
11AC80MIMO	Ant1	5690_UNII-2C	TPC_H	10.93	47.37	3.24	14.17	≤23.98	PASS
11AC80MIMO	Ant2	5690_UNII-2C	TPC_H	10.66	47.37	3.24	13.90	≤23.98	PASS
11AC80MIMO	total	5690_UNII-2C	TPC_H	---	---	---	17.05	≤23.98	PASS
11AC80MIMO	Ant1	5690_UNII-2C	TPC_L	4.60	47.37	3.24	7.84	≤23.98	PASS
11AC80MIMO	Ant2	5690_UNII-2C	TPC_L	3.75	47.37	3.24	6.99	≤23.98	PASS
11AC80MIMO	total	5690_UNII-2C	TPC_L	---	---	---	10.45	≤23.98	PASS
11AC80MIMO	Ant1	5690_UNII-3	TPC_H	-8.32	47.37	3.24	-5.08	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	TPC_H	-9.36	47.37	3.24	-6.12	≤30.00	PASS
11AC80MIMO	total	5690_UNII-3	TPC_H	---	---	---	-2.56	≤30.00	PASS
11AC80MIMO	Ant1	5690_UNII-3	TPC_L	-15.35	47.37	3.24	-12.11	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	TPC_L	-16.66	47.37	3.24	-13.42	≤30.00	PASS
11AC80MIMO	total	5690_UNII-3	TPC_L	---	---	---	-9.71	≤30.00	PASS

Note1:Average power with duty factor=Average power+DC Factor.

Note2:The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)}+10^{(\text{Power antenna2 in dBm}/10)})$.

Note3: The manufacturer declared the transmitter output signals is CDD mode. And $N_{SS}=1$.According to KDB 662911 D01Multiple Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$,For power measurements on IEEE 802.11 devices.

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT} + \text{Array Gain}=0.40+0=0.40<6\text{dBi}$.

U-NII-3

Test Mode	Antenna	Frequency[MHz]	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	NA	17.00	79.84	0.98	17.98	≤30.00	PASS
11A	Ant2	5745	NA	17.14	79.84	0.98	18.12	≤30.00	PASS
11A	Ant1	5785	NA	17.41	80.16	0.96	18.37	≤30.00	PASS
11A	Ant2	5785	NA	17.53	80.24	0.96	18.49	≤30.00	PASS
11A	Ant1	5825	NA	17.22	80.16	0.96	18.18	≤30.00	PASS
11A	Ant2	5825	NA	17.34	80.24	0.96	18.30	≤30.00	PASS
11A-CDD	Ant1	5745	NA	14.75	80.16	0.96	15.71	≤30.00	PASS
11A-CDD	Ant2	5745	NA	14.66	79.84	0.98	15.64	≤30.00	PASS
11A-CDD	total	5745	NA	---	---	---	18.69	≤30.00	PASS
11A-CDD	Ant1	5785	NA	14.65	79.84	0.98	15.63	≤30.00	PASS
11A-CDD	Ant2	5785	NA	14.42	79.84	0.98	15.40	≤30.00	PASS
11A-CDD	total	5785	NA	---	---	---	18.53	≤30.00	PASS
11A-CDD	Ant1	5825	NA	14.52	80.16	0.96	15.48	≤30.00	PASS
11A-CDD	Ant2	5825	NA	15.98	80.16	0.96	16.94	≤30.00	PASS
11A-CDD	total	5825	NA	---	---	---	19.28	≤30.00	PASS
11N20SISO	Ant1	5745	NA	16.29	79.08	1.02	17.31	≤30.00	PASS
11N20SISO	Ant2	5745	NA	16.25	79.08	1.02	17.27	≤30.00	PASS
11N20SISO	Ant1	5785	NA	16.39	79.08	1.02	17.41	≤30.00	PASS
11N20SISO	Ant2	5785	NA	16.50	79.08	1.02	17.52	≤30.00	PASS
11N20SISO	Ant1	5825	NA	16.18	79.08	1.02	17.20	≤30.00	PASS
11N20SISO	Ant2	5825	NA	16.23	78.66	1.04	17.27	≤30.00	PASS
11N20MIMO	Ant1	5745	NA	14.28	78.66	1.04	15.32	≤30.00	PASS
11N20MIMO	Ant2	5745	NA	13.76	79.08	1.02	14.78	≤30.00	PASS
11N20MIMO	total	5745	NA	---	---	---	18.07	≤30.00	PASS
11N20MIMO	Ant1	5785	NA	14.43	78.75	1.04	15.47	≤30.00	PASS
11N20MIMO	Ant2	5785	NA	13.92	78.75	1.04	14.96	≤30.00	PASS
11N20MIMO	total	5785	NA	---	---	---	18.23	≤30.00	PASS
11N20MIMO	Ant1	5825	NA	14.16	78.99	1.02	15.18	≤30.00	PASS
11N20MIMO	Ant2	5825	NA	13.90	78.75	1.04	14.94	≤30.00	PASS
11N20MIMO	total	5825	NA	---	---	---	18.07	≤30.00	PASS
11N40SISO	Ant1	5755	NA	15.55	65.03	1.87	17.42	≤30.00	PASS
11N40SISO	Ant2	5755	NA	15.71	65.03	1.87	17.58	≤30.00	PASS
11N40SISO	Ant1	5795	NA	15.30	65.03	1.87	17.17	≤30.00	PASS
11N40SISO	Ant2	5795	NA	15.58	65.03	1.87	17.45	≤30.00	PASS
11N40MIMO	Ant1	5755	NA	13.39	65.03	1.87	15.26	≤30.00	PASS

11N40MIMO	Ant2	5755	NA	13.29	64.79	1.88	15.17	≤30.00	PASS
11N40MIMO	total	5755	NA	---	---	---	18.23	≤30.00	PASS
11N40MIMO	Ant1	5795	NA	13.22	65.03	1.87	15.09	≤30.00	PASS
11N40MIMO	Ant2	5795	NA	13.08	65.03	1.87	14.95	≤30.00	PASS
11N40MIMO	total	5795	NA	---	---	---	18.03	≤30.00	PASS
11AC20SISO	Ant1	5745	NA	16.19	79.17	1.01	17.20	≤30.00	PASS
11AC20SISO	Ant2	5745	NA	16.19	79.08	1.02	17.21	≤30.00	PASS
11AC20SISO	Ant1	5785	NA	16.46	79.17	1.01	17.47	≤30.00	PASS
11AC20SISO	Ant2	5785	NA	16.45	79.17	1.01	17.46	≤30.00	PASS
11AC20SISO	Ant1	5825	NA	16.18	79.08	1.02	17.20	≤30.00	PASS
11AC20SISO	Ant2	5825	NA	16.23	79.08	1.02	17.25	≤30.00	PASS
11AC20MIMO	Ant1	5745	NA	14.44	78.75	1.04	15.48	≤30.00	PASS
11AC20MIMO	Ant2	5745	NA	13.79	79.08	1.02	14.81	≤30.00	PASS
11AC20MIMO	total	5745	NA	---	---	---	18.17	≤30.00	PASS
11AC20MIMO	Ant1	5785	NA	14.43	79.08	1.02	15.45	≤30.00	PASS
11AC20MIMO	Ant2	5785	NA	13.81	79.08	1.02	14.83	≤30.00	PASS
11AC20MIMO	total	5785	NA	---	---	---	18.16	≤30.00	PASS
11AC20MIMO	Ant1	5825	NA	14.17	78.75	1.04	15.21	≤30.00	PASS
11AC20MIMO	Ant2	5825	NA	14.10	79.08	1.02	15.12	≤30.00	PASS
11AC20MIMO	total	5825	NA	---	---	---	18.18	≤30.00	PASS
11AC40SISO	Ant1	5755	NA	15.42	65.03	1.87	17.29	≤30.00	PASS
11AC40SISO	Ant2	5755	NA	15.69	65.03	1.87	17.56	≤30.00	PASS
11AC40SISO	Ant1	5795	NA	15.33	64.58	1.90	17.23	≤30.00	PASS
11AC40SISO	Ant2	5795	NA	15.57	65.03	1.87	17.44	≤30.00	PASS
11AC40MIMO	Ant1	5755	NA	13.33	65.28	1.85	15.18	≤30.00	PASS
11AC40MIMO	Ant2	5755	NA	13.25	65.03	1.87	15.12	≤30.00	PASS
11AC40MIMO	total	5755	NA	---	---	---	18.16	≤30.00	PASS
11AC40MIMO	Ant1	5795	NA	13.24	65.03	1.87	15.11	≤30.00	PASS
11AC40MIMO	Ant2	5795	NA	13.13	64.58	1.90	15.03	≤30.00	PASS
11AC40MIMO	total	5795	NA	---	---	---	18.08	≤30.00	PASS
11AC80SISO	Ant1	5775	NA	14.29	47.37	3.24	17.53	≤30.00	PASS
11AC80SISO	Ant2	5775	NA	14.65	47.37	3.24	17.89	≤30.00	PASS
11AC80MIMO	Ant1	5775	NA	11.90	46.88	3.29	15.19	≤30.00	PASS
11AC80MIMO	Ant2	5775	NA	12.90	47.37	3.24	16.14	≤30.00	PASS
11AC80MIMO	total	5775	NA	---	---	---	18.70	≤30.00	PASS

A.3 Power Spectral Density Measurement

Test Result

U-NII-1

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	7.53	≤17.00	PASS
11A	Ant2	5180	7.71	≤17.00	PASS
11A	Ant1	5220	7.35	≤17.00	PASS
11A	Ant2	5220	7.88	≤17.00	PASS
11A	Ant1	5240	7.92	≤17.00	PASS
11A	Ant2	5240	8.18	≤17.00	PASS
11A-CDD	Ant1	5180	4.28	≤17.00	PASS
11A-CDD	Ant2	5180	4.92	≤17.00	PASS
11A-CDD	total	5180	7.62	≤17.00	PASS
11A-CDD	Ant1	5220	4.39	≤17.00	PASS
11A-CDD	Ant2	5220	4.51	≤17.00	PASS
11A-CDD	total	5220	7.46	≤17.00	PASS
11A-CDD	Ant1	5240	4.42	≤17.00	PASS
11A-CDD	Ant2	5240	5.22	≤17.00	PASS
11A-CDD	total	5240	7.85	≤17.00	PASS
11N20SISO	Ant1	5180	6.82	≤17.00	PASS
11N20SISO	Ant2	5180	6.26	≤17.00	PASS
11N20SISO	Ant1	5220	6.06	≤17.00	PASS
11N20SISO	Ant2	5220	6.43	≤17.00	PASS
11N20SISO	Ant1	5240	6.29	≤17.00	PASS
11N20SISO	Ant2	5240	6.52	≤17.00	PASS
11N20MIMO	Ant1	5180	3.61	≤17.00	PASS
11N20MIMO	Ant2	5180	3.23	≤17.00	PASS
11N20MIMO	total	5180	6.43	≤17.00	PASS
11N20MIMO	Ant1	5220	3.17	≤17.00	PASS
11N20MIMO	Ant2	5220	3.80	≤17.00	PASS
11N20MIMO	total	5220	6.51	≤17.00	PASS
11N20MIMO	Ant1	5240	3.42	≤17.00	PASS
11N20MIMO	Ant2	5240	4.11	≤17.00	PASS
11N20MIMO	total	5240	6.79	≤17.00	PASS
11N40SISO	Ant1	5190	3.90	≤17.00	PASS
11N40SISO	Ant2	5190	5.04	≤17.00	PASS
11N40SISO	Ant1	5230	4.35	≤17.00	PASS
11N40SISO	Ant2	5230	4.25	≤17.00	PASS

11N40MIMO	Ant1	5190	1.37	≤17.00	PASS
11N40MIMO	Ant2	5190	2.14	≤17.00	PASS
11N40MIMO	total	5190	4.78	≤17.00	PASS
11N40MIMO	Ant1	5230	0.91	≤17.00	PASS
11N40MIMO	Ant2	5230	1.66	≤17.00	PASS
11N40MIMO	total	5230	4.31	≤17.00	PASS
11AC20SISO	Ant1	5180	6.54	≤17.00	PASS
11AC20SISO	Ant2	5180	7.06	≤17.00	PASS
11AC20SISO	Ant1	5220	7.23	≤17.00	PASS
11AC20SISO	Ant2	5220	7.42	≤17.00	PASS
11AC20SISO	Ant1	5240	7.54	≤17.00	PASS
11AC20SISO	Ant2	5240	7.07	≤17.00	PASS
11AC20MIMO	Ant1	5180	4.01	≤17.00	PASS
11AC20MIMO	Ant2	5180	3.93	≤17.00	PASS
11AC20MIMO	total	5180	6.98	≤17.00	PASS
11AC20MIMO	Ant1	5220	4.40	≤17.00	PASS
11AC20MIMO	Ant2	5220	4.63	≤17.00	PASS
11AC20MIMO	total	5220	7.53	≤17.00	PASS
11AC20MIMO	Ant1	5240	4.14	≤17.00	PASS
11AC20MIMO	Ant2	5240	4.96	≤17.00	PASS
11AC20MIMO	total	5240	7.58	≤17.00	PASS
11AC40SISO	Ant1	5190	3.39	≤17.00	PASS
11AC40SISO	Ant2	5190	2.94	≤17.00	PASS
11AC40SISO	Ant1	5230	4.20	≤17.00	PASS
11AC40SISO	Ant2	5230	3.40	≤17.00	PASS
11AC40MIMO	Ant1	5190	0.96	≤17.00	PASS
11AC40MIMO	Ant2	5190	1.28	≤17.00	PASS
11AC40MIMO	total	5190	4.13	≤17.00	PASS
11AC40MIMO	Ant1	5230	0.69	≤17.00	PASS
11AC40MIMO	Ant2	5230	1.86	≤17.00	PASS
11AC40MIMO	total	5230	4.32	≤17.00	PASS
11AC80SISO	Ant1	5210	-0.34	≤17.00	PASS
11AC80SISO	Ant2	5210	0.66	≤17.00	PASS
11AC80MIMO	Ant1	5210	-3.61	≤17.00	PASS
11AC80MIMO	Ant2	5210	0.17	≤17.00	PASS
11AC80MIMO	total	5210	1.69	≤17.00	PASS

Note1:For Total PSD,according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density= $10\log(10^{(\text{PSD antenna1 in dBm}/10)}+10^{(\text{PSD antenna2 in dBm}/10)})$

Note2:The manufacturer declared the transmitter output signals is CDD mode. And $N_{ss}=1$. According to KDB 662911D01 Multiple

Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For PSD measurements on all devices, $\text{Array Gain} = 10\log(N_{ANT}/N_{SS})\text{dB}$, so $\text{directional gain} = G_{ANT} + \text{Array Gain} = -0.40 + 10\log(2/1) = 3.41 < 6\text{dBi}$.

U-NII-2A

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	2.12	≤ 11.00	PASS
11A	Ant2	5260	7.78	≤ 11.00	PASS
11A	Ant1	5300	8.49	≤ 11.00	PASS
11A	Ant2	5300	8.10	≤ 11.00	PASS
11A	Ant1	5320	7.46	≤ 11.00	PASS
11A	Ant2	5320	7.63	≤ 11.00	PASS
11A-CDD	Ant1	5260	4.86	≤ 11.00	PASS
11A-CDD	Ant2	5260	5.18	≤ 11.00	PASS
11A-CDD	total	5260	8.03	≤ 11.00	PASS
11A-CDD	Ant1	5300	5.67	≤ 11.00	PASS
11A-CDD	Ant2	5300	5.65	≤ 11.00	PASS
11A-CDD	total	5300	8.67	≤ 11.00	PASS
11A-CDD	Ant1	5320	4.76	≤ 11.00	PASS
11A-CDD	Ant2	5320	3.98	≤ 11.00	PASS
11A-CDD	total	5320	7.40	≤ 11.00	PASS
11N20SISO	Ant1	5260	6.62	≤ 11.00	PASS
11N20SISO	Ant2	5260	6.33	≤ 11.00	PASS
11N20SISO	Ant1	5300	6.47	≤ 11.00	PASS
11N20SISO	Ant2	5300	6.79	≤ 11.00	PASS
11N20SISO	Ant1	5320	6.66	≤ 11.00	PASS
11N20SISO	Ant2	5320	6.72	≤ 11.00	PASS
11N20MIMO	Ant1	5260	3.66	≤ 11.00	PASS
11N20MIMO	Ant2	5260	4.38	≤ 11.00	PASS
11N20MIMO	total	5260	7.05	≤ 11.00	PASS
11N20MIMO	Ant1	5300	5.00	≤ 11.00	PASS
11N20MIMO	Ant2	5300	3.94	≤ 11.00	PASS
11N20MIMO	total	5300	7.51	≤ 11.00	PASS
11N20MIMO	Ant1	5320	4.71	≤ 11.00	PASS
11N20MIMO	Ant2	5320	3.53	≤ 11.00	PASS
11N20MIMO	total	5320	7.17	≤ 11.00	PASS
11N40SISO	Ant1	5270	4.09	≤ 11.00	PASS
11N40SISO	Ant2	5270	4.26	≤ 11.00	PASS
11N40SISO	Ant1	5310	4.17	≤ 11.00	PASS
11N40SISO	Ant2	5310	4.35	≤ 11.00	PASS

11N40MIMO	Ant1	5270	1.46	≤11.00	PASS
11N40MIMO	Ant2	5270	1.06	≤11.00	PASS
11N40MIMO	total	5270	4.27	≤11.00	PASS
11N40MIMO	Ant1	5310	2.19	≤11.00	PASS
11N40MIMO	Ant2	5310	1.68	≤11.00	PASS
11N40MIMO	total	5310	4.95	≤11.00	PASS
11AC20SISO	Ant1	5260	7.62	≤11.00	PASS
11AC20SISO	Ant2	5260	7.23	≤11.00	PASS
11AC20SISO	Ant1	5300	7.28	≤11.00	PASS
11AC20SISO	Ant2	5300	7.13	≤11.00	PASS
11AC20SISO	Ant1	5320	7.39	≤11.00	PASS
11AC20SISO	Ant2	5320	7.26	≤11.00	PASS
11AC20MIMO	Ant1	5260	3.48	≤11.00	PASS
11AC20MIMO	Ant2	5260	3.47	≤11.00	PASS
11AC20MIMO	total	5260	6.49	≤11.00	PASS
11AC20MIMO	Ant1	5300	5.03	≤11.00	PASS
11AC20MIMO	Ant2	5300	4.56	≤11.00	PASS
11AC20MIMO	total	5300	7.81	≤11.00	PASS
11AC20MIMO	Ant1	5320	4.72	≤11.00	PASS
11AC20MIMO	Ant2	5320	3.56	≤11.00	PASS
11AC20MIMO	total	5320	7.19	≤11.00	PASS
11AC40SISO	Ant1	5270	4.58	≤11.00	PASS
11AC40SISO	Ant2	5270	3.72	≤11.00	PASS
11AC40SISO	Ant1	5310	3.86	≤11.00	PASS
11AC40SISO	Ant2	5310	3.71	≤11.00	PASS
11AC40MIMO	Ant1	5270	0.81	≤11.00	PASS
11AC40MIMO	Ant2	5270	1.49	≤11.00	PASS
11AC40MIMO	total	5270	4.17	≤11.00	PASS
11AC40MIMO	Ant1	5310	1.14	≤11.00	PASS
11AC40MIMO	Ant2	5310	1.21	≤11.00	PASS
11AC40MIMO	total	5310	4.19	≤11.00	PASS
11AC80SISO	Ant1	5290	1.32	≤11.00	PASS
11AC80SISO	Ant2	5290	1.40	≤11.00	PASS
11AC80MIMO	Ant1	5290	-0.12	≤11.00	PASS
11AC80MIMO	Ant2	5290	1.84	≤11.00	PASS
11AC80MIMO	total	5290	3.98	≤11.00	PASS

Note1:For Total PSD,according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density= $10\log(10^{(PSD_{antenna1} \text{ in dBm/10})} + 10^{(PSD_{antenna2} \text{ in dBm/10})})$

Note2:The manufacturer declared the transmitter output signals is CDD mode. And $N_{ss}=1$. According to KDB 662911D01 Multiple

Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For PSD measurements on all devices, $\text{Array Gain} = 10\log(N_{ANT}/N_{SS})\text{dB}$, so $\text{directional gain} = G_{ANT} + \text{Array Gain} = -0.40 + 10\log(2/1) = 3.41 < 6\text{dBi}$.

U-NII-2C

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	6.81	≤ 11.00	PASS
11A	Ant2	5500	6.54	≤ 11.00	PASS
11A	Ant1	5580	7.70	≤ 11.00	PASS
11A	Ant2	5580	8.59	≤ 11.00	PASS
11A	Ant1	5700	8.71	≤ 11.00	PASS
11A	Ant2	5700	8.36	≤ 11.00	PASS
11A	Ant1	5720_UNII-2C	8.55	≤ 11.00	PASS
11A	Ant2	5720_UNII-2C	8.42	≤ 11.00	PASS
11A	Ant1	5720_UNII-3	4.27	≤ 30.00	PASS
11A	Ant2	5720_UNII-3	3.96	≤ 30.00	PASS
11A-CDD	Ant1	5500	5.37	≤ 11.00	PASS
11A-CDD	Ant2	5500	4.46	≤ 11.00	PASS
11A-CDD	total	5500	7.95	≤ 11.00	PASS
11A-CDD	Ant1	5580	4.95	≤ 11.00	PASS
11A-CDD	Ant2	5580	6.00	≤ 11.00	PASS
11A-CDD	total	5580	8.52	≤ 11.00	PASS
11A-CDD	Ant1	5700	5.63	≤ 11.00	PASS
11A-CDD	Ant2	5700	5.38	≤ 11.00	PASS
11A-CDD	total	5700	8.52	≤ 11.00	PASS
11A-CDD	Ant1	5720_UNII-2C	6.28	≤ 11.00	PASS
11A-CDD	Ant2	5720_UNII-2C	6.08	≤ 11.00	PASS
11A-CDD	total	5720_UNII-2C	9.19	≤ 11.00	PASS
11A-CDD	Ant1	5720_UNII-3	1.81	≤ 30.00	PASS
11A-CDD	Ant2	5720_UNII-3	0.91	≤ 30.00	PASS
11A-CDD	total	5720_UNII-3	4.39	≤ 30.00	PASS
11N20SISO	Ant1	5500	5.32	≤ 11.00	PASS
11N20SISO	Ant2	5500	6.07	≤ 11.00	PASS
11N20SISO	Ant1	5580	6.79	≤ 11.00	PASS
11N20SISO	Ant2	5580	6.57	≤ 11.00	PASS
11N20SISO	Ant1	5700	6.41	≤ 11.00	PASS
11N20SISO	Ant2	5700	6.73	≤ 11.00	PASS
11N20SISO	Ant1	5720_UNII-2C	7.39	≤ 11.00	PASS
11N20SISO	Ant2	5720_UNII-2C	7.89	≤ 11.00	PASS
11N20SISO	Ant1	5720_UNII-3	3.12	≤ 30.00	PASS

11N20SISO	Ant2	5720_UNII-3	3.36	≤30.00	PASS
11N20MIMO	Ant1	5500	3.88	≤11.00	PASS
11N20MIMO	Ant2	5500	2.88	≤11.00	PASS
11N20MIMO	total	5500	6.42	≤11.00	PASS
11N20MIMO	Ant1	5580	3.95	≤11.00	PASS
11N20MIMO	Ant2	5580	4.45	≤11.00	PASS
11N20MIMO	total	5580	7.22	≤11.00	PASS
11N20MIMO	Ant1	5700	4.11	≤11.00	PASS
11N20MIMO	Ant2	5700	3.76	≤11.00	PASS
11N20MIMO	total	5700	6.95	≤11.00	PASS
11N20MIMO	Ant1	5720_UNII-2C	4.86	≤11.00	PASS
11N20MIMO	Ant2	5720_UNII-2C	4.48	≤11.00	PASS
11N20MIMO	total	5720_UNII-2C	7.68	≤11.00	PASS
11N20MIMO	Ant1	5720_UNII-3	0.00	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	-0.58	≤30.00	PASS
11N20MIMO	total	5720_UNII-3	2.73	≤30.00	PASS
11N40SISO	Ant1	5510	4.12	≤11.00	PASS
11N40SISO	Ant2	5510	4.10	≤11.00	PASS
11N40SISO	Ant1	5550	5.12	≤11.00	PASS
11N40SISO	Ant2	5550	4.82	≤11.00	PASS
11N40SISO	Ant1	5670	4.79	≤11.00	PASS
11N40SISO	Ant2	5670	4.22	≤11.00	PASS
11N40SISO	Ant1	5710_UNII-2C	5.48	≤11.00	PASS
11N40SISO	Ant2	5710_UNII-2C	5.05	≤11.00	PASS
11N40SISO	Ant1	5710_UNII-3	-0.44	≤30.00	PASS
11N40SISO	Ant2	5710_UNII-3	-0.58	≤30.00	PASS
11N40MIMO	Ant1	5510	1.89	≤11.00	PASS
11N40MIMO	Ant2	5510	1.17	≤11.00	PASS
11N40MIMO	total	5510	4.56	≤11.00	PASS
11N40MIMO	Ant1	5550	1.89	≤11.00	PASS
11N40MIMO	Ant2	5550	2.00	≤11.00	PASS
11N40MIMO	total	5550	4.96	≤11.00	PASS
11N40MIMO	Ant1	5670	0.99	≤11.00	PASS
11N40MIMO	Ant2	5670	1.44	≤11.00	PASS
11N40MIMO	total	5670	4.23	≤11.00	PASS
11N40MIMO	Ant1	5710_UNII-2C	1.88	≤11.00	PASS
11N40MIMO	Ant2	5710_UNII-2C	2.01	≤11.00	PASS
11N40MIMO	total	5710_UNII-2C	4.96	≤11.00	PASS
11N40MIMO	Ant1	5710_UNII-3	-4.63	≤30.00	PASS

11N40MIMO	Ant2	5710_UNII-3	-5.16	≤30.00	PASS
11N40MIMO	total	5710_UNII-3	-1.88	≤30.00	PASS
11AC20SISO	Ant1	5500	7.58	≤11.00	PASS
11AC20SISO	Ant2	5500	6.91	≤11.00	PASS
11AC20SISO	Ant1	5580	7.25	≤11.00	PASS
11AC20SISO	Ant2	5580	7.22	≤11.00	PASS
11AC20SISO	Ant1	5700	6.94	≤11.00	PASS
11AC20SISO	Ant2	5700	6.87	≤11.00	PASS
11AC20SISO	Ant1	5720_UNII-2C	8.09	≤11.00	PASS
11AC20SISO	Ant2	5720_UNII-2C	7.77	≤11.00	PASS
11AC20SISO	Ant1	5720_UNII-3	3.45	≤30.00	PASS
11AC20SISO	Ant2	5720_UNII-3	3.76	≤30.00	PASS
11AC20MIMO	Ant1	5500	4.84	≤11.00	PASS
11AC20MIMO	Ant2	5500	3.70	≤11.00	PASS
11AC20MIMO	total	5500	7.32	≤11.00	PASS
11AC20MIMO	Ant1	5580	3.52	≤11.00	PASS
11AC20MIMO	Ant2	5580	5.21	≤11.00	PASS
11AC20MIMO	total	5580	7.46	≤11.00	PASS
11AC20MIMO	Ant1	5700	4.33	≤11.00	PASS
11AC20MIMO	Ant2	5700	4.14	≤11.00	PASS
11AC20MIMO	total	5700	7.25	≤11.00	PASS
11AC20MIMO	Ant1	5720_UNII-2C	4.60	≤11.00	PASS
11AC20MIMO	Ant2	5720_UNII-2C	4.43	≤11.00	PASS
11AC20MIMO	total	5720_UNII-2C	7.53	≤11.00	PASS
11AC20MIMO	Ant1	5720_UNII-3	0.49	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	-0.39	≤30.00	PASS
11AC20MIMO	total	5720_UNII-3	3.08	≤30.00	PASS
11AC40SISO	Ant1	5510	3.33	≤11.00	PASS
11AC40SISO	Ant2	5510	3.68	≤11.00	PASS
11AC40SISO	Ant1	5550	3.73	≤11.00	PASS
11AC40SISO	Ant2	5550	4.31	≤11.00	PASS
11AC40SISO	Ant1	5670	3.70	≤11.00	PASS
11AC40SISO	Ant2	5670	3.80	≤11.00	PASS
11AC40SISO	Ant1	5710_UNII-2C	3.93	≤11.00	PASS
11AC40SISO	Ant2	5710_UNII-2C	3.90	≤11.00	PASS
11AC40SISO	Ant1	5710_UNII-3	-1.90	≤30.00	PASS
11AC40SISO	Ant2	5710_UNII-3	-0.80	≤30.00	PASS
11AC40MIMO	Ant1	5510	1.24	≤11.00	PASS
11AC40MIMO	Ant2	5510	1.05	≤11.00	PASS

11AC40MIMO	total	5510	4.16	≤11.00	PASS
11AC40MIMO	Ant1	5550	0.74	≤11.00	PASS
11AC40MIMO	Ant2	5550	1.75	≤11.00	PASS
11AC40MIMO	total	5550	4.28	≤11.00	PASS
11AC40MIMO	Ant1	5670	0.82	≤11.00	PASS
11AC40MIMO	Ant2	5670	1.28	≤11.00	PASS
11AC40MIMO	total	5670	4.07	≤11.00	PASS
11AC40MIMO	Ant1	5710_UNII-2C	1.18	≤11.00	PASS
11AC40MIMO	Ant2	5710_UNII-2C	1.21	≤11.00	PASS
11AC40MIMO	total	5710_UNII-2C	4.21	≤11.00	PASS
11AC40MIMO	Ant1	5710_UNII-3	-4.29	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	-5.58	≤30.00	PASS
11AC40MIMO	total	5710_UNII-3	-1.88	≤30.00	PASS
11AC80SISO	Ant1	5530	0.44	≤11.00	PASS
11AC80SISO	Ant2	5530	0.37	≤11.00	PASS
11AC80SISO	Ant1	5610	1.96	≤11.00	PASS
11AC80SISO	Ant2	5610	1.53	≤11.00	PASS
11AC80SISO	Ant1	5690_UNII-2C	1.38	≤11.00	PASS
11AC80SISO	Ant2	5690_UNII-2C	1.64	≤11.00	PASS
11AC80SISO	Ant1	5690_UNII-3	-5.40	≤30.00	PASS
11AC80SISO	Ant2	5690_UNII-3	-5.73	≤30.00	PASS
11AC80MIMO	Ant1	5530	-2.37	≤11.00	PASS
11AC80MIMO	Ant2	5530	-1.47	≤11.00	PASS
11AC80MIMO	total	5530	1.11	≤11.00	PASS
11AC80MIMO	Ant1	5610	-1.21	≤11.00	PASS
11AC80MIMO	Ant2	5610	0.15	≤11.00	PASS
11AC80MIMO	total	5610	2.53	≤11.00	PASS
11AC80MIMO	Ant1	5690_UNII-2C	-1.64	≤11.00	PASS
11AC80MIMO	Ant2	5690_UNII-2C	-1.20	≤11.00	PASS
11AC80MIMO	total	5690_UNII-2C	1.60	≤11.00	PASS
11AC80MIMO	Ant1	5690_UNII-3	-9.03	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	-8.94	≤30.00	PASS
11AC80MIMO	total	5690_UNII-3	-5.97	≤30.00	PASS

Note1:For Total PSD,according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density= $10\log(10^{(PSD_{antenna1} \text{ in dBm/10})} + 10^{(PSD_{antenna2} \text{ in dBm/10})})$

Note2:The manufacturer declared the transmitter output signals is CDD mode. And $N_{ss}=1$. According to KDB 662911D01 Multiple Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.For PSD measurements on all devices,Array Gain= $10\log(N_{ANT}/N_{ss})\text{dB}$, so directional gain= $G_{ANT}+\text{Array Gain}=-0.40+10\log(2/1)=3.41<6\text{dBi}$.

U-NII-3

Test Mode	Antenna	Frequency [MHz]	Read Value	Dc Factor	RBW Factor	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	1.60	0.98	2.22	4.80	≤30.00	PASS
11A	Ant2	5745	1.82	0.98	2.22	5.02	≤30.00	PASS
11A	Ant1	5785	1.86	0.96	2.22	5.04	≤30.00	PASS
11A	Ant2	5785	2.28	0.96	2.22	5.46	≤30.00	PASS
11A	Ant1	5825	1.56	0.96	2.22	4.74	≤30.00	PASS
11A	Ant2	5825	1.81	0.96	2.22	4.99	≤30.00	PASS
11A-CDD	Ant1	5745	-0.64	0.96	2.22	2.54	≤30.00	PASS
11A-CDD	Ant2	5745	-0.55	0.98	2.22	2.65	≤30.00	PASS
11A-CDD	total	5745	---	---	---	5.61	≤30.00	PASS
11A-CDD	Ant1	5785	-0.48	0.98	2.22	2.72	≤30.00	PASS
11A-CDD	Ant2	5785	-1.16	0.98	2.22	2.04	≤30.00	PASS
11A-CDD	total	5785	---	---	---	5.40	≤30.00	PASS
11A-CDD	Ant1	5825	-1.21	0.96	2.22	1.97	≤30.00	PASS
11A-CDD	Ant2	5825	0.51	0.96	2.22	3.69	≤30.00	PASS
11A-CDD	total	5825	---	---	---	5.92	≤30.00	PASS
11N20SISO	Ant1	5745	1.13	1.02	2.22	4.37	≤30.00	PASS
11N20SISO	Ant2	5745	1.08	1.02	2.22	4.32	≤30.00	PASS
11N20SISO	Ant1	5785	0.68	1.02	2.22	3.92	≤30.00	PASS
11N20SISO	Ant2	5785	0.81	1.02	2.22	4.05	≤30.00	PASS
11N20SISO	Ant1	5825	0.42	1.02	2.22	3.66	≤30.00	PASS
11N20SISO	Ant2	5825	0.93	1.04	2.22	4.19	≤30.00	PASS
11N20MIMO	Ant1	5745	-0.94	1.04	2.22	2.32	≤30.00	PASS
11N20MIMO	Ant2	5745	-1.26	1.02	2.22	1.98	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	5.16	≤30.00	PASS
11N20MIMO	Ant1	5785	-0.92	1.04	2.22	2.34	≤30.00	PASS
11N20MIMO	Ant2	5785	-1.89	1.04	2.22	1.37	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	4.89	≤30.00	PASS
11N20MIMO	Ant1	5825	-1.29	1.02	2.22	1.95	≤30.00	PASS
11N20MIMO	Ant2	5825	-1.22	1.04	2.22	2.04	≤30.00	PASS
11N20MIMO	total	5825	---	---	---	5.01	≤30.00	PASS
11N40SISO	Ant1	5755	-3.06	1.87	2.22	1.03	≤30.00	PASS
11N40SISO	Ant2	5755	-2.86	1.87	2.22	1.23	≤30.00	PASS
11N40SISO	Ant1	5795	-3.36	1.87	2.22	0.73	≤30.00	PASS
11N40SISO	Ant2	5795	-2.99	1.87	2.22	1.10	≤30.00	PASS
11N40MIMO	Ant1	5755	-4.69	1.87	2.22	-0.60	≤30.00	PASS
11N40MIMO	Ant2	5755	-4.42	1.88	2.22	-0.32	≤30.00	PASS

11N40MIMO	total	5755	---	---	---	2.55	≤30.00	PASS
11N40MIMO	Ant1	5795	-5.48	1.87	2.22	-1.39	≤30.00	PASS
11N40MIMO	Ant2	5795	-4.96	1.87	2.22	-0.87	≤30.00	PASS
11N40MIMO	total	5795	---	---	---	1.89	≤30.00	PASS
11AC20SISO	Ant1	5745	0.50	1.01	2.22	3.73	≤30.00	PASS
11AC20SISO	Ant2	5745	0.63	1.02	2.22	3.87	≤30.00	PASS
11AC20SISO	Ant1	5785	1.01	1.01	2.22	4.24	≤30.00	PASS
11AC20SISO	Ant2	5785	1.17	1.01	2.22	4.40	≤30.00	PASS
11AC20SISO	Ant1	5825	0.73	1.02	2.22	3.97	≤30.00	PASS
11AC20SISO	Ant2	5825	0.79	1.02	2.22	4.03	≤30.00	PASS
11AC20MIMO	Ant1	5745	-1.20	1.04	2.22	2.06	≤30.00	PASS
11AC20MIMO	Ant2	5745	-1.71	1.02	2.22	1.53	≤30.00	PASS
11AC20MIMO	total	5745	---	---	---	4.81	≤30.00	PASS
11AC20MIMO	Ant1	5785	-1.12	1.02	2.22	2.12	≤30.00	PASS
11AC20MIMO	Ant2	5785	-2.05	1.02	2.22	1.19	≤30.00	PASS
11AC20MIMO	total	5785	---	---	---	4.69	≤30.00	PASS
11AC20MIMO	Ant1	5825	-1.68	1.04	2.22	1.58	≤30.00	PASS
11AC20MIMO	Ant2	5825	-0.91	1.02	2.22	2.33	≤30.00	PASS
11AC20MIMO	total	5825	---	---	---	4.98	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.28	1.87	2.22	0.81	≤30.00	PASS
11AC40SISO	Ant2	5755	-2.68	1.87	2.22	1.41	≤30.00	PASS
11AC40SISO	Ant1	5795	-3.10	1.90	2.22	1.02	≤30.00	PASS
11AC40SISO	Ant2	5795	-2.65	1.87	2.22	1.44	≤30.00	PASS
11AC40MIMO	Ant1	5755	-5.25	1.85	2.22	-1.18	≤30.00	PASS
11AC40MIMO	Ant2	5755	-4.99	1.87	2.22	-0.90	≤30.00	PASS
11AC40MIMO	total	5755	---	---	---	1.97	≤30.00	PASS
11AC40MIMO	Ant1	5795	-4.28	1.87	2.22	-0.19	≤30.00	PASS
11AC40MIMO	Ant2	5795	-4.95	1.90	2.22	-0.83	≤30.00	PASS
11AC40MIMO	total	5795	---	---	---	2.51	≤30.00	PASS
11AC80SISO	Ant1	5775	-7.67	3.24	2.22	-2.21	≤30.00	PASS
11AC80SISO	Ant2	5775	-7.37	3.24	2.22	-1.91	≤30.00	PASS
11AC80MIMO	Ant1	5775	-9.79	3.29	2.22	-4.28	≤30.00	PASS
11AC80MIMO	Ant2	5775	-8.02	3.24	2.22	-2.56	≤30.00	PASS
11AC80MIMO	total	5775	---	---	---	-0.33	≤30.00	PASS

Note1:The Result=Read Value+DC Factor+RBW Factor.

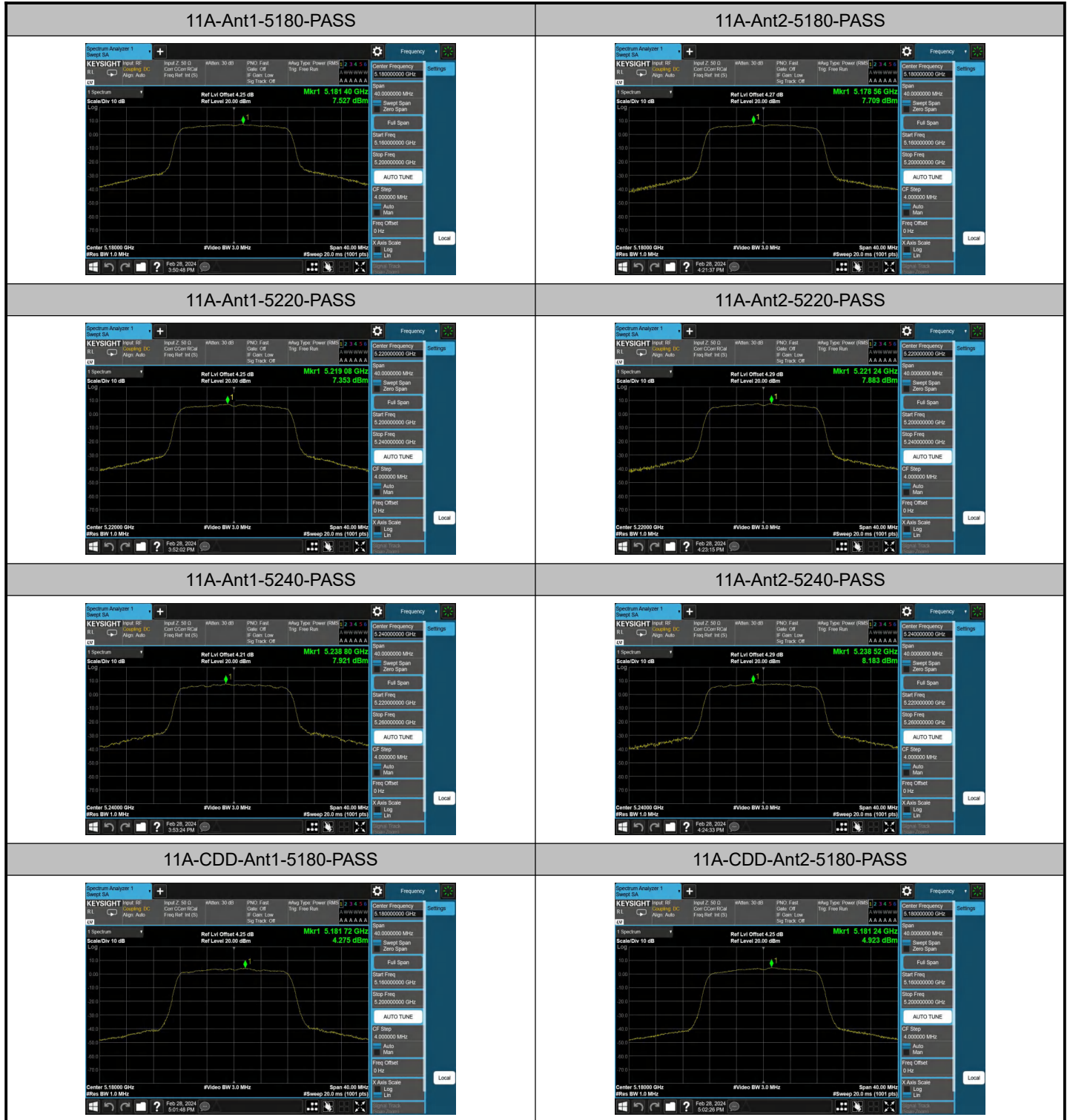
Note2:For Total PSD,according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density= $10\log(10^{(PSD_{antenna1} \text{ in dBm}/10)} + 10^{(PSD_{antenna2} \text{ in dBm}/10)})$.

Note3:The manufacturer declared the transmitter output signals is CDD mode. And $N_{SS}=1$. According to KDB 662911D01 Multiple Transmitter Output v02r01 F2)f(i): If all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.For PSD measurements

on all devices, Array Gain=10log(N_{ANT}/N_{SS})dB, so directional gain=G_{ANT}+Array Gain=-0.40+10log(2/1)=3.41<6dBi.

Test Graphs

U-NII-1



11A-CDD-Ant1-5220-PASS



11A-CDD-Ant2-5220-PASS



11A-CDD-Ant1-5240-PASS



11A-CDD-Ant2-5240-PASS



11N20SISO-Ant1-5180-PASS



11N20SISO-Ant2-5180-PASS



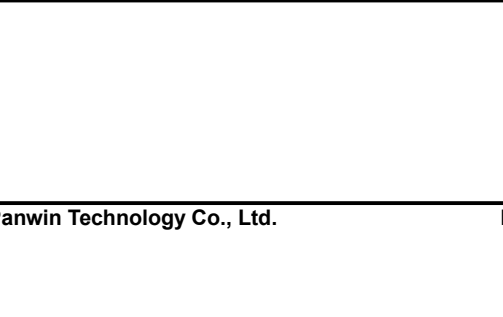
11N20SISO-Ant1-5220-PASS



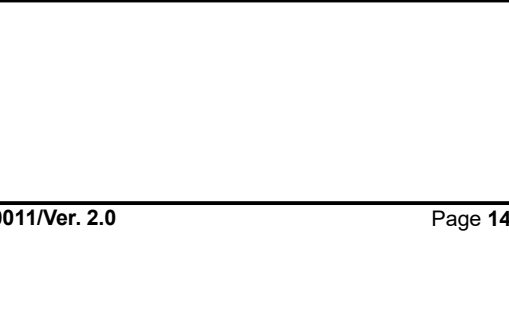
11N20SISO-Ant2-5220-PASS

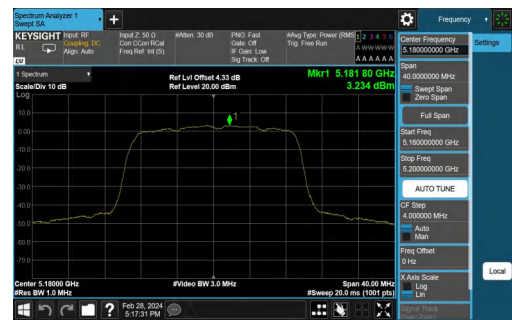
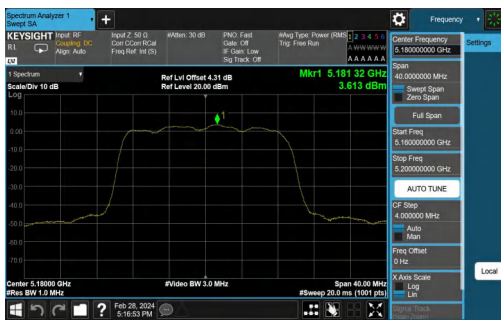


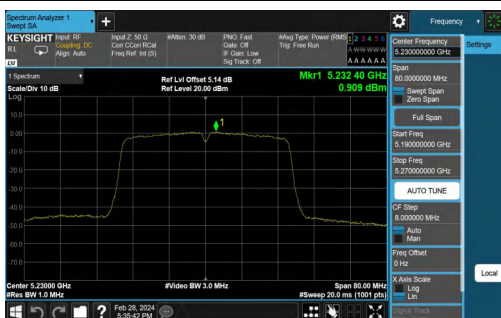
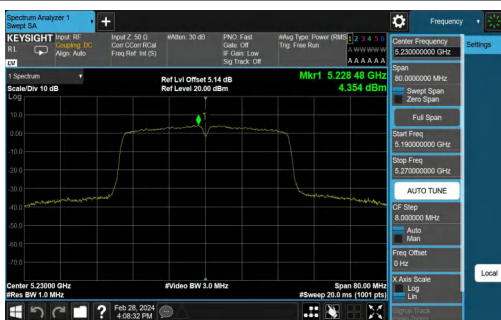
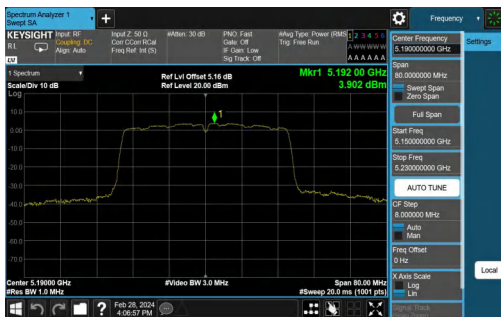
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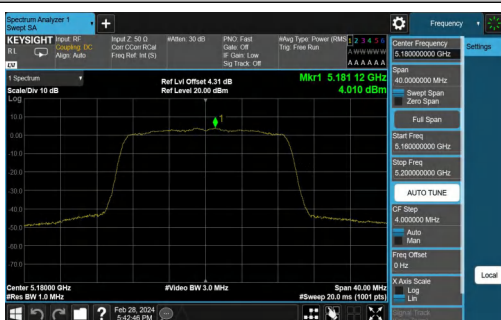


11N20SISO-Ant2-5240-PASS









11AC20MIMO-Ant1-5220-PASS

11AC20MIMO-Ant2-5220-PASS

