

11AX40MIMO_Ant1 5755



11AX40MIMO_Ant2 5755



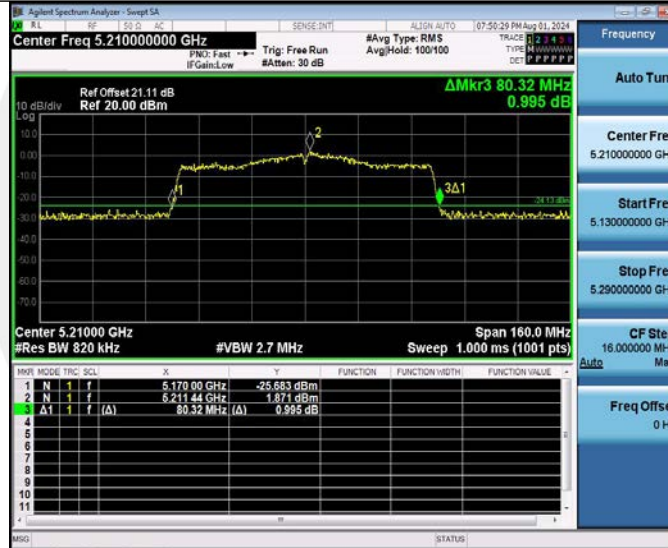
11AX40MIMO_Ant1 5795



11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1 5290



11AX80MIMO_Ant2 5290



11AX80MIMO_Ant1 5530



11AX80MIMO_Ant2_5530



11AX80MIMO_Ant1_5610



11AX80MIMO_Ant2_5610



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



Min emission bandwidth (6dB)

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	12.520	5740.080	5752.600	0.5	PASS
	Ant2	5745	13.920	5738.720	5752.640	0.5	PASS
	Ant1	5785	13.920	5778.760	5792.680	0.5	PASS
	Ant2	5785	12.480	5778.800	5791.280	0.5	PASS
	Ant1	5825	13.840	5818.840	5832.680	0.5	PASS
	Ant2	5825	15.080	5817.520	5832.600	0.5	PASS
11N20MIMO	Ant1	5745	15.120	5737.520	5752.640	0.5	PASS
	Ant2	5745	15.160	5737.480	5752.640	0.5	PASS
	Ant1	5785	12.480	5778.840	5791.320	0.5	PASS
	Ant2	5785	15.200	5777.440	5792.640	0.5	PASS
	Ant1	5825	13.880	5818.760	5832.640	0.5	PASS
	Ant2	5825	13.880	5818.760	5832.640	0.5	PASS
11N40MIMO	Ant1	5755	35.200	5737.480	5772.680	0.5	PASS
	Ant2	5755	35.120	5737.480	5772.600	0.5	PASS
	Ant1	5795	33.920	5777.480	5811.400	0.5	PASS
	Ant2	5795	32.720	5779.960	5812.680	0.5	PASS
11AC20MIMO	Ant1	5745	15.120	5737.560	5752.680	0.5	PASS
	Ant2	5745	15.080	5737.480	5752.560	0.5	PASS
	Ant1	5785	15.240	5777.440	5792.680	0.5	PASS
	Ant2	5785	15.240	5777.400	5792.640	0.5	PASS
	Ant1	5825	13.760	5817.600	5831.360	0.5	PASS
	Ant2	5825	13.880	5817.440	5831.320	0.5	PASS
11AC40MIMO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
	Ant2	5755	35.040	5737.560	5772.600	0.5	PASS
	Ant1	5795	34.960	5777.640	5812.600	0.5	PASS
	Ant2	5795	31.360	5779.960	5811.320	0.5	PASS
11AC80MIMO	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS
	Ant2	5775	73.920	5738.680	5812.600	0.5	PASS
11AX20MIMO	Ant1	5745	15.120	5737.480	5752.600	0.5	PASS
	Ant2	5745	13.840	5737.480	5751.320	0.5	PASS
	Ant1	5785	15.040	5777.480	5792.520	0.5	PASS
	Ant2	5785	15.200	5777.400	5792.600	0.5	PASS
	Ant1	5825	15.120	5817.480	5832.600	0.5	PASS
	Ant2	5825	13.800	5818.800	5832.600	0.5	PASS
11AX40MIMO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
	Ant2	5755	35.120	5737.480	5772.600	0.5	PASS
	Ant1	5795	35.120	5777.480	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.480	5812.680	0.5	PASS
11AX80MIMO	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS
	Ant2	5775	73.920	5738.680	5812.600	0.5	PASS

Min emission bandwidth (6dB) Test Graphs



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20MIMO Ant1 5745



11N20MIMO Ant2 5745



11N20MIMO Ant1 5785



11N20MIMO Ant2 5785



11N20MIMO Ant1 5825



11N20MIMO Ant2 5825



11N40MIMO Ant1 5755



11N40MIMO Ant2 5755



11N40MIMO Ant1 5795



11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1 5785



11AC20MIMO_Ant2 5785



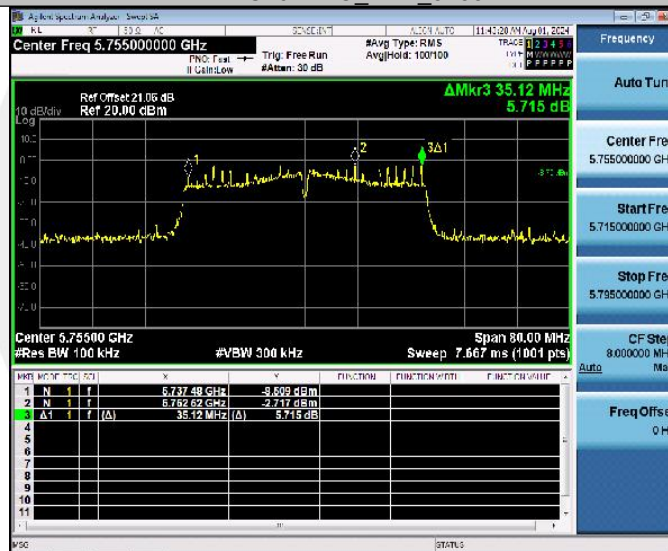
11AC20MIMO_Ant1 5825



11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755





11AC80MIMO_Ant2_5775



11AX20MIMO_Ant1_5745



11AX20MIMO_Ant2_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



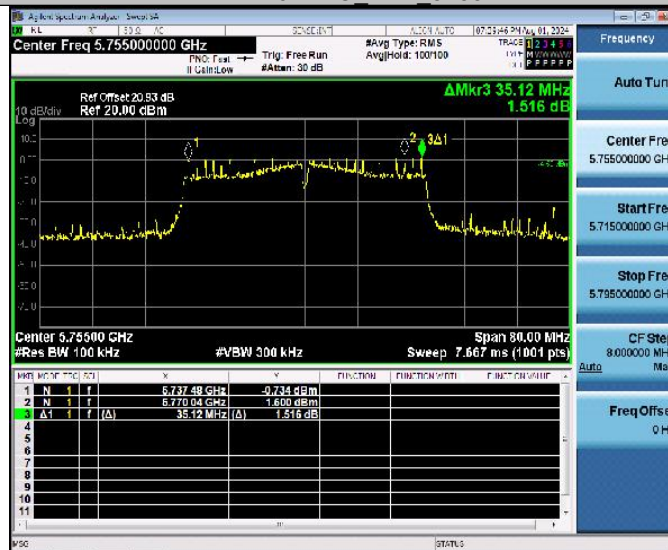
11AX20MIMO_Ant2_5825



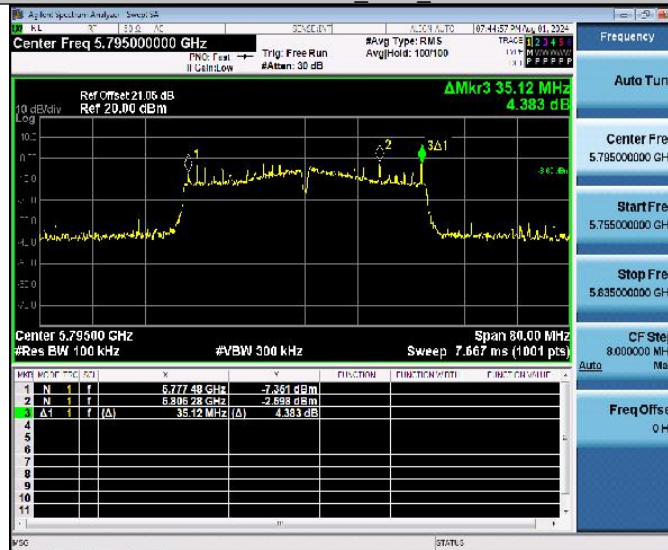
11AX40MIMO_Ant1_5755



11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795

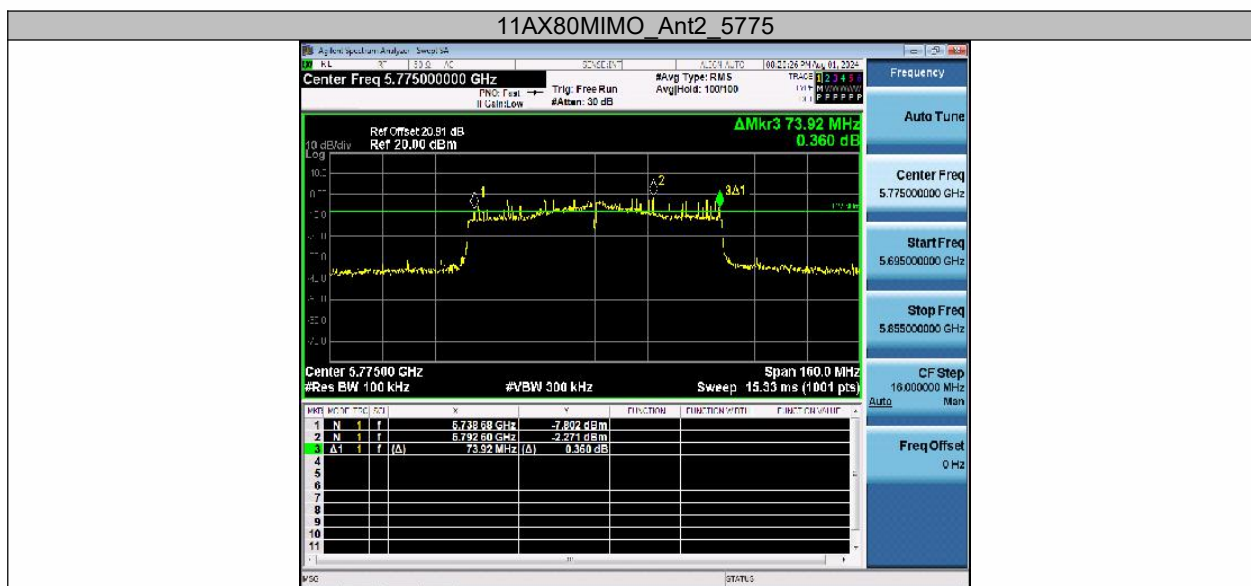


11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775





8.2 MAXIMUM CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to 789033 D02 Section II(E)

8.2.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(a) (1) (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(a) (2) the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the band 5.725-5.85 GHz

(a) (3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2.3 Test Configuration

Test according to clause 6.1 radio frequency test setup 1.

8.2.4 Test Procedure

The maximum average conducted output power can be measured using Method PM-G (Measurement using a gated RF average power meter):

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

- The Transmitter output (antenna port) was connected to the power meter.
- Turn on the EUT and power meter and then record the power value.
- Repeat above procedures on all channels needed to be tested.

8.2.5 Test Results

Temperature : 25°C
Humidity : 60 %

ATM Pressure:: 1011 mbar
Test Engineer: GJ

Output Power

For 802.11a, the limit as below.

Frequency [MHz]	Conducted Limit [dBm]	EIRP Limit [dBm]
5150~5250MHz Band	23.98	N/A
5250~5350MHz Band	23.98	N/A
5470~5725MHz Band	23.98	N/A
5725~5850MHz Band	30	N/A

For others, the limit as below.

Frequency [MHz]	Conducted Limit [dBm]	EIRP Limit [dBm]
5150~5250MHz Band	23.7	N/A
5250~5350MHz Band	23.7	N/A
5470~5725MHz Band	23.7	N/A
5725~5850MHz Band	29.72	N/A

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11A	Ant1	5180	13.74	93.33	0.30	14.04	3.27	17.31	PASS
	Ant2	5180	14.51	93.33	0.30	14.81	3.27	18.08	PASS
	Ant1	5200	13.70	93.29	0.30	14.00	3.27	17.27	PASS
	Ant2	5200	14.31	93.33	0.30	14.61	3.27	17.88	PASS
	Ant1	5240	14.06	93.96	0.27	14.33	3.27	17.60	PASS
	Ant2	5240	14.74	93.33	0.30	15.04	3.27	18.31	PASS
	Ant1	5260	11.40	93.29	0.30	11.70	3.27	14.97	PASS
			14.45	93.29	0.30	14.75	3.27	18.02	PASS
	Ant2	5260	11.51	93.33	0.30	11.81	3.27	15.08	PASS
			14.49	93.33	0.30	14.79	3.27	18.06	PASS
	Ant1	5280	11.49	93.29	0.30	11.79	3.27	15.06	PASS
			14.54	93.29	0.30	14.84	3.27	18.11	PASS
	Ant2	5280	11.51	93.33	0.30	11.81	3.27	15.08	PASS
			14.64	93.33	0.30	14.94	3.27	18.21	PASS
	Ant1	5320	11.33	93.33	0.30	11.63	3.27	14.90	PASS

	Ant2	5320	14.26	93.33	0.30	14.56	3.27	17.83	PASS
			11.56	93.33	0.30	11.86	3.27	15.13	PASS
			14.43	93.33	0.30	14.73	3.27	18.00	PASS
	Ant1	5500	11.31	99.04	0.04	11.35	3.27	14.62	PASS
			14.83	99.04	0.04	14.87	3.27	18.14	PASS
	Ant2	5500	11.89	93.29	0.30	12.19	3.27	15.46	PASS
			15.13	93.29	0.30	15.43	3.27	18.70	PASS
	Ant1	5580	10.24	93.96	0.27	10.51	3.27	13.78	PASS
			13.37	93.96	0.27	13.64	3.27	16.91	PASS
	Ant2	5580	12.53	93.96	0.27	12.80	3.27	16.07	PASS
			15.43	93.96	0.27	15.70	3.27	18.97	PASS
	Ant1	5700	10.09	93.33	0.30	10.39	3.27	13.66	PASS
			14.06	93.33	0.30	14.36	3.27	17.63	PASS
	Ant2	5700	11.95	93.29	0.30	12.25	3.27	15.52	PASS
			14.95	93.29	0.30	15.25	3.27	18.52	PASS
	Ant1	5745	13.14	93.29	0.30	13.44	3.27	16.71	PASS
	Ant2	5745	13.74	93.29	0.30	14.04	3.27	17.31	PASS
	Ant1	5785	13.29	93.29	0.30	13.59	3.27	16.86	PASS
	Ant2	5785	13.43	93.29	0.30	13.73	3.27	17.00	PASS
	Ant1	5825	13.95	93.96	0.27	14.22	3.27	17.49	PASS
	Ant2	5825	13.13	93.33	0.30	13.43	3.27	16.70	PASS
11N20MIM O	Ant1	5180	11.90	99.48	0.02	11.92	3.27	15.19	PASS
	Ant2	5180	11.81	98.97	0.04	11.85	3.27	15.12	PASS
	total	5180	---	---	---	14.90	---	18.17	PASS
	Ant1	5200	11.42	98.97	0.04	11.46	3.27	14.73	PASS
	Ant2	5200	11.42	98.97	0.04	11.46	3.27	14.73	PASS
	total	5200	---	---	---	14.47	---	17.74	PASS
	Ant1	5240	12.32	98.97	0.04	12.36	3.27	15.63	PASS
	Ant2	5240	12.06	98.97	0.04	12.10	3.27	15.37	PASS
	total	5240	---	---	---	15.24	---	18.51	PASS
	Ant1	5260	10.89	98.97	0.04	10.93	3.27	14.20	PASS
			13.78	98.97	0.04	13.82	3.27	17.09	PASS
	Ant2	5260	10.69	99.48	0.02	10.71	3.27	13.98	PASS
			13.82	99.48	0.02	13.84	3.27	17.11	PASS
	total	5260	---	---	---	13.83	---	17.10	PASS
			---	---	---	16.84	---	20.11	PASS
	Ant1	5280	10.95	98.97	0.04	10.99	3.27	14.26	PASS
			13.47	98.97	0.04	13.51	3.27	16.78	PASS
	Ant2	5280	10.76	98.97	0.04	10.80	3.27	14.07	PASS
			13.13	98.97	0.04	13.17	3.27	16.44	PASS
	total	5280	---	---	---	13.91	---	17.18	PASS
			---	---	---	16.35	---	19.62	PASS
	Ant1	5320	10.74	98.97	0.04	10.78	3.27	14.05	PASS
			13.94	98.97	0.04	13.98	3.27	17.25	PASS
	Ant2	5320	10.88	98.97	0.04	10.92	3.27	14.19	PASS
			14.21	98.97	0.04	14.25	3.27	17.52	PASS
	total	5320	---	---	---	13.86	---	17.13	PASS
			---	---	---	17.13	---	20.40	PASS
	Ant1	5500	10.63	98.97	0.04	10.67	3.27	13.94	PASS
			13.34	98.97	0.04	13.38	3.27	16.65	PASS
	Ant2	5500	10.82	98.97	0.04	10.86	3.27	14.13	PASS
			13.90	98.97	0.04	13.94	3.27	17.21	PASS
	total	5500	---	---	---	13.78	---	17.05	PASS
			---	---	---	16.68	---	19.95	PASS
	Ant1	5580	10.40	98.96	0.05	10.45	3.27	13.72	PASS
			14.62	98.96	0.05	14.67	3.27	17.94	PASS
	Ant2	5580	11.86	98.97	0.04	11.90	3.27	15.17	PASS
			15.54	98.97	0.04	15.58	3.27	18.85	PASS
	total	5580	---	---	---	14.25	---	17.52	PASS
			---	---	---	18.16	---	21.43	PASS
	Ant1	5700	10.36	98.97	0.04	10.40	3.27	13.67	PASS

	Ant2	5700	13.42	98.97	0.04	13.46	3.27	16.73	PASS
			12.06	98.97	0.04	12.10	3.27	15.37	PASS
			15.66	98.97	0.04	15.70	3.27	18.97	PASS
	total	5700	---	---	---	14.34	---	17.61	PASS
			---	---	---	17.73	---	21.00	PASS
	Ant1	5745	13.92	98.97	0.04	13.96	3.27	17.23	PASS
	Ant2	5745	14.05	98.97	0.04	14.09	3.27	17.36	PASS
	total	5745	---	---	---	17.04	---	20.31	PASS
	Ant1	5785	13.86	98.97	0.04	13.90	3.27	17.17	PASS
	Ant2	5785	13.92	98.97	0.04	13.96	3.27	17.23	PASS
	total	5785	---	---	---	16.94	---	20.21	PASS
	Ant1	5825	14.90	98.97	0.04	14.94	3.27	18.21	PASS
11N40MIM O	Ant2	5825	14.04	98.97	0.04	14.08	3.27	17.35	PASS
	total	5825	---	---	---	17.54	---	20.81	PASS
	Ant1	5190	11.19	98.71	0.06	11.25	3.27	14.52	PASS
	Ant2	5190	11.22	98.72	0.06	11.28	3.27	14.55	PASS
	total	5190	---	---	---	14.28	---	17.55	PASS
	Ant1	5230	11.02	98.71	0.06	11.08	3.27	14.35	PASS
	Ant2	5230	11.50	98.72	0.06	11.56	3.27	14.83	PASS
	total	5230	---	---	---	14.34	---	17.61	PASS
	Ant1	5270	11.01	98.72	0.06	11.07	3.27	14.34	PASS
			13.43	98.72	0.06	13.49	3.27	16.76	PASS
	Ant2	5270	10.85	99.35	0.03	10.88	3.27	14.15	PASS
			13.25	99.35	0.03	13.28	3.27	16.55	PASS
	total	5270	---	---	---	13.99	---	17.26	PASS
			---	---	---	16.40	---	19.67	PASS
	Ant1	5310	10.71	98.72	0.06	10.77	3.27	14.04	PASS
			13.71	98.72	0.06	13.77	3.27	17.04	PASS
	Ant2	5310	10.33	98.72	0.06	10.39	3.27	13.66	PASS
			13.22	98.72	0.06	13.28	3.27	16.55	PASS
	total	5310	---	---	---	13.59	---	16.86	PASS
			---	---	---	16.54	---	19.81	PASS
	Ant1	5510	10.37	98.71	0.06	10.43	3.27	13.70	PASS
			15.00	98.71	0.06	15.06	3.27	18.33	PASS
	Ant2	5510	11.26	98.71	0.06	11.32	3.27	14.59	PASS
			14.73	98.71	0.06	14.79	3.27	18.06	PASS
	total	5510	---	---	---	13.91	---	17.18	PASS
			---	---	---	17.94	---	21.21	PASS
	Ant1	5550	10.20	98.72	0.06	10.26	3.27	13.53	PASS
			14.78	98.72	0.06	14.84	3.27	18.11	PASS
	Ant2	5550	11.52	98.71	0.06	11.58	3.27	14.85	PASS
			14.23	98.71	0.06	14.29	3.27	17.56	PASS
	total	5550	---	---	---	13.98	---	17.25	PASS
			---	---	---	17.58	---	20.85	PASS
	Ant1	5670	10.77	98.71	0.06	10.83	3.27	14.10	PASS
			13.72	98.71	0.06	13.78	3.27	17.05	PASS
	Ant2	5670	10.71	98.71	0.06	10.77	3.27	14.04	PASS
			13.34	98.71	0.06	13.40	3.27	16.67	PASS
	total	5670	---	---	---	13.81	---	17.08	PASS
			---	---	---	16.60	---	19.87	PASS
	Ant1	5755	11.91	98.71	0.06	11.97	3.27	15.24	PASS
	Ant2	5755	11.57	98.71	0.06	11.63	3.27	14.90	PASS
	total	5755	---	---	---	14.81	---	18.08	PASS
	Ant1	5795	12.52	98.72	0.06	12.58	3.27	15.85	PASS
	Ant2	5795	11.22	98.72	0.06	11.28	3.27	14.55	PASS
	total	5795	---	---	---	14.99	---	18.26	PASS
11AC20MI MO	Ant1	5180	12.16	98.97	0.04	12.20	3.27	15.47	PASS
	Ant2	5180	12.19	98.97	0.04	12.23	3.27	15.50	PASS
	total	5180	---	---	---	15.23	---	18.50	PASS
	Ant1	5200	11.75	98.97	0.04	11.79	3.27	15.06	PASS
	Ant2	5200	11.81	98.97	0.04	11.85	3.27	15.12	PASS

	total	5200	---	---	---	14.83	---	18.10	PASS
	Ant1	5240	12.08	98.97	0.04	12.12	3.27	15.39	PASS
	Ant2	5240	12.30	98.97	0.04	12.34	3.27	15.61	PASS
	total	5240	---	---	---	15.24	---	18.51	PASS
	Ant1	5260	10.65	98.97	0.04	10.69	3.27	13.96	PASS
			15.14	98.97	0.04	15.18	3.27	18.45	PASS
	Ant2	5260	10.74	98.98	0.04	10.78	3.27	14.05	PASS
			13.13	98.98	0.04	13.17	3.27	16.44	PASS
	total	5260	---	---	---	13.75	---	17.02	PASS
			---	---	---	17.30	---	20.57	PASS
	Ant1	5280	10.94	98.97	0.04	10.98	3.27	14.25	PASS
			14.37	98.97	0.04	14.41	3.27	17.68	PASS
	Ant2	5280	10.75	98.97	0.04	10.79	3.27	14.06	PASS
			14.12	98.97	0.04	14.16	3.27	17.43	PASS
	total	5280	---	---	---	13.90	---	17.17	PASS
			---	---	---	17.30	---	20.57	PASS
	Ant1	5320	10.60	98.97	0.04	10.64	3.27	13.91	PASS
			14.32	98.97	0.04	14.36	3.27	17.63	PASS
	Ant2	5320	10.66	98.97	0.04	10.70	3.27	13.97	PASS
			13.63	98.97	0.04	13.67	3.27	16.94	PASS
	total	5320	---	---	---	13.68	---	16.95	PASS
			---	---	---	17.04	---	20.31	PASS
	Ant1	5500	10.66	98.97	0.04	10.70	3.27	13.97	PASS
			13.10	98.97	0.04	13.14	3.27	16.41	PASS
	Ant2	5500	11.22	98.97	0.04	11.26	3.27	14.53	PASS
			13.98	98.97	0.04	14.02	3.27	17.29	PASS
	total	5500	---	---	---	14.00	---	17.27	PASS
			---	---	---	16.61	---	19.88	PASS
	Ant1	5580	10.48	98.97	0.04	10.52	3.27	13.79	PASS
			14.94	98.97	0.04	14.98	3.27	18.25	PASS
	Ant2	5580	10.85	99.49	0.02	10.87	3.27	14.14	PASS
			14.01	99.49	0.02	14.03	3.27	17.30	PASS
	total	5580	---	---	---	13.71	---	16.98	PASS
			---	---	---	17.54	---	20.81	PASS
	Ant1	5700	10.40	98.97	0.04	10.44	3.27	13.71	PASS
			13.27	98.97	0.04	13.31	3.27	16.58	PASS
	Ant2	5700	11.22	98.97	0.04	11.26	3.27	14.53	PASS
			14.18	98.97	0.04	14.22	3.27	17.49	PASS
	total	5700	---	---	---	13.88	---	17.15	PASS
			---	---	---	16.80	---	20.07	PASS
	Ant1	5745	11.61	98.98	0.04	11.65	3.27	14.92	PASS
	Ant2	5745	13.98	98.97	0.04	14.02	3.27	17.29	PASS
	total	5745	---	---	---	16.01	---	19.28	PASS
	Ant1	5785	11.93	98.97	0.04	11.97	3.27	15.24	PASS
	Ant2	5785	13.42	98.97	0.04	13.46	3.27	16.73	PASS
	total	5785	---	---	---	15.79	---	19.06	PASS
	Ant1	5825	12.96	98.97	0.04	13.00	3.27	16.27	PASS
	Ant2	5825	13.48	98.97	0.04	13.52	3.27	16.79	PASS
	total	5825	---	---	---	16.28	---	19.55	PASS
11AC40MI MO	Ant1	5190	11.31	98.73	0.06	11.37	3.27	14.64	PASS
	Ant2	5190	10.78	98.72	0.06	10.84	3.27	14.11	PASS
	total	5190	---	---	---	14.12	---	17.39	PASS
	Ant1	5230	11.41	98.73	0.06	11.47	3.27	14.74	PASS
	Ant2	5230	11.13	98.73	0.06	11.19	3.27	14.46	PASS
	total	5230	---	---	---	14.34	---	17.61	PASS
	Ant1	5270	10.83	98.73	0.06	10.89	3.27	14.16	PASS
			13.89	98.73	0.06	13.95	3.27	17.22	PASS
	Ant2	5270	10.71	98.73	0.06	10.77	3.27	14.04	PASS
			13.17	98.73	0.06	13.23	3.27	16.50	PASS
	total	5270	---	---	---	13.84	---	17.11	PASS
			---	---	---	16.62	---	19.89	PASS

	Ant1	5310	10.51	99.36	0.03	10.54	3.27	13.81	PASS
			13.58	99.36	0.03	13.61	3.27	16.88	PASS
	Ant2	5310	10.48	98.72	0.06	10.54	3.27	13.81	PASS
			13.24	98.72	0.06	13.30	3.27	16.57	PASS
	total	5310	---	---	---	13.55	---	16.82	PASS
			---	---	---	16.47	---	19.74	PASS
	Ant1	5510	10.43	99.36	0.03	10.46	3.27	13.73	PASS
			12.74	99.36	0.03	12.77	3.27	16.04	PASS
	Ant2	5510	11.52	98.73	0.06	11.58	3.27	14.85	PASS
			13.24	98.73	0.06	13.30	3.27	16.57	PASS
	total	5510	---	---	---	14.07	---	17.34	PASS
			---	---	---	16.05	---	19.32	PASS
	Ant1	5550	9.96	98.72	0.06	10.02	3.27	13.29	PASS
			14.12	98.72	0.06	14.18	3.27	17.45	PASS
	Ant2	5550	11.60	98.73	0.06	11.66	3.27	14.93	PASS
			14.32	98.73	0.06	14.38	3.27	17.65	PASS
	total	5550	---	---	---	13.93	---	17.20	PASS
			---	---	---	17.29	---	20.56	PASS
	Ant1	5670	11.05	98.72	0.06	11.11	3.27	14.38	PASS
			14.53	98.72	0.06	14.59	3.27	17.86	PASS
	Ant2	5670	11.57	98.73	0.06	11.63	3.27	14.90	PASS
			14.54	98.73	0.06	14.60	3.27	17.87	PASS
	total	5670	---	---	---	14.39	---	17.66	PASS
			---	---	---	17.61	---	20.88	PASS
	Ant1	5755	12.11	98.72	0.06	12.17	3.27	15.44	PASS
	Ant2	5755	12.58	98.72	0.06	12.64	3.27	15.91	PASS
	total	5755	---	---	---	15.42	---	18.69	PASS
	Ant1	5795	12.35	98.72	0.06	12.41	3.27	15.68	PASS
	Ant2	5795	12.38	98.73	0.06	12.44	3.27	15.71	PASS
	total	5795	---	---	---	15.44	---	18.71	PASS
11AC80MI MO	Ant1	5210	12.00	99.12	0.04	12.04	3.27	15.31	PASS
	Ant2	5210	12.08	99.11	0.04	12.12	3.27	15.39	PASS
	total	5210	---	---	---	15.09	---	18.36	PASS
	Ant1	5290	10.49	99.12	0.04	10.53	3.27	13.80	PASS
			13.00	99.12	0.04	13.04	3.27	16.31	PASS
	Ant2	5290	10.17	99.12	0.04	10.21	3.27	13.48	PASS
			12.92	99.12	0.04	12.96	3.27	16.23	PASS
	total	5290	---	---	---	13.38	---	16.65	PASS
			---	---	---	16.01	---	19.28	PASS
	Ant1	5530	11.24	99.12	0.04	11.28	3.27	14.55	PASS
			14.11	99.12	0.04	14.15	3.27	17.42	PASS
	Ant2	5530	11.37	99.12	0.04	11.41	3.27	14.68	PASS
			13.69	99.12	0.04	13.73	3.27	17.00	PASS
	total	5530	---	---	---	14.36	---	17.63	PASS
			---	---	---	16.96	---	20.23	PASS
	Ant1	5610	11.56	99.12	0.04	11.60	3.27	14.87	PASS
			15.17	99.12	0.04	15.21	3.27	18.48	PASS
	Ant2	5610	11.73	99.12	0.04	11.77	3.27	15.04	PASS
			14.36	99.12	0.04	14.40	3.27	17.67	PASS
	total	5610	---	---	---	14.70	---	17.97	PASS
			---	---	---	17.83	---	21.10	PASS
	Ant1	5775	11.84	99.12	0.04	11.88	3.27	15.15	PASS
	Ant2	5775	11.62	99.12	0.04	11.66	3.27	14.93	PASS
	total	5775	---	---	---	14.78	---	18.05	PASS
11AX20MI MO	Ant1	5180	11.36	98.98	0.04	11.40	3.27	14.67	PASS
	Ant2	5180	11.19	99.49	0.02	11.21	3.27	14.48	PASS
	total	5180	---	---	---	14.32	---	17.59	PASS
	Ant1	5200	11.47	98.97	0.04	11.51	3.27	14.78	PASS
	Ant2	5200	12.08	98.97	0.04	12.12	3.27	15.39	PASS
	total	5200	---	---	---	14.84	---	18.11	PASS
	Ant1	5240	12.37	98.97	0.04	12.41	3.27	15.68	PASS

	Ant2	5240	11.64	98.97	0.04	11.68	3.27	14.95	PASS
	total	5240	---	---	---	15.07	---	18.34	PASS
	Ant1	5260	11.78	98.97	0.04	11.82	3.27	15.09	PASS
			14.09	98.97	0.04	14.13	3.27	17.40	PASS
	Ant2	5260	11.41	98.97	0.04	11.45	3.27	14.72	PASS
			13.30	98.97	0.04	13.34	3.27	16.61	PASS
	total	5260	---	---	---	14.65	---	17.92	PASS
			---	---	---	16.76	---	20.03	PASS
	Ant1	5280	11.87	98.97	0.04	11.91	3.27	15.18	PASS
			15.06	98.97	0.04	15.10	3.27	18.37	PASS
	Ant2	5280	11.57	98.97	0.04	11.61	3.27	14.88	PASS
			13.91	98.97	0.04	13.95	3.27	17.22	PASS
	total	5280	---	---	---	14.77	---	18.04	PASS
			---	---	---	17.57	---	20.84	PASS
	Ant1	5320	11.58	99.49	0.02	11.60	3.27	14.87	PASS
			14.53	99.49	0.02	14.55	3.27	17.82	PASS
	Ant2	5320	11.50	98.97	0.04	11.54	3.27	14.81	PASS
			13.97	98.97	0.04	14.01	3.27	17.28	PASS
	total	5320	---	---	---	14.58	---	17.85	PASS
			---	---	---	17.30	---	20.57	PASS
	Ant1	5500	10.57	98.97	0.04	10.61	3.27	13.88	PASS
			13.94	98.97	0.04	13.98	3.27	17.25	PASS
	Ant2	5500	10.77	98.97	0.04	10.81	3.27	14.08	PASS
			13.69	98.97	0.04	13.73	3.27	17.00	PASS
	total	5500	---	---	---	13.72	---	16.99	PASS
			---	---	---	16.87	---	20.14	PASS
	Ant1	5580	10.81	97.44	0.11	10.92	3.27	14.19	PASS
			15.15	97.44	0.11	15.26	3.27	18.53	PASS
	Ant2	5580	10.87	98.97	0.04	10.91	3.27	14.18	PASS
			14.19	98.97	0.04	14.23	3.27	17.50	PASS
	total	5580	---	---	---	13.93	---	17.20	PASS
			---	---	---	17.79	---	21.06	PASS
	Ant1	5700	10.33	98.97	0.04	10.37	3.27	13.64	PASS
			13.41	98.97	0.04	13.45	3.27	16.72	PASS
	Ant2	5700	10.46	98.97	0.04	10.50	3.27	13.77	PASS
			14.01	98.97	0.04	14.05	3.27	17.32	PASS
	total	5700	---	---	---	13.45	---	16.72	PASS
			---	---	---	16.77	---	20.04	PASS
	Ant1	5745	14.03	98.97	0.04	14.07	3.27	17.34	PASS
	Ant2	5745	13.86	98.97	0.04	13.90	3.27	17.17	PASS
	total	5745	---	---	---	17.00	---	20.27	PASS
	Ant1	5785	13.66	98.97	0.04	13.70	3.27	16.97	PASS
	Ant2	5785	13.53	99.49	0.02	13.55	3.27	16.82	PASS
	total	5785	---	---	---	16.64	---	19.91	PASS
	Ant1	5825	13.62	98.97	0.04	13.66	3.27	16.93	PASS
	Ant2	5825	13.47	98.97	0.04	13.51	3.27	16.78	PASS
	total	5825	---	---	---	16.60	---	19.87	PASS
11AX40MI MO	Ant1	5190	12.11	98.09	0.08	12.19	3.27	15.46	PASS
	Ant2	5190	12.37	98.09	0.08	12.45	3.27	15.72	PASS
	total	5190	---	---	---	15.33	---	18.60	PASS
	Ant1	5230	13.27	98.10	0.08	13.35	3.27	16.62	PASS
	Ant2	5230	11.70	98.09	0.08	11.78	3.27	15.05	PASS
	total	5230	---	---	---	15.65	---	18.92	PASS
	Ant1	5270	10.07	98.09	0.08	10.15	3.27	13.42	PASS
			13.04	98.09	0.08	13.12	3.27	16.39	PASS
	Ant2	5270	10.12	98.10	0.08	10.20	3.27	13.47	PASS
			12.62	98.10	0.08	12.70	3.27	15.97	PASS
	total	5270	---	---	---	13.19	---	16.46	PASS
			---	---	---	15.93	---	19.20	PASS
	Ant1	5310	10.68	98.10	0.08	10.76	3.27	14.03	PASS
			13.74	98.10	0.08	13.82	3.27	17.09	PASS

	Ant2	5310	10.78	98.09	0.08	10.86	3.27	14.13	PASS
			13.63	98.09	0.08	13.71	3.27	16.98	PASS
	total	5310	---	---	---	13.82	---	17.09	PASS
			---	---	---	16.78	---	20.05	PASS
	Ant1	5510	10.14	98.09	0.08	10.22	3.27	13.49	PASS
			13.16	98.09	0.08	13.24	3.27	16.51	PASS
	Ant2	5510	10.10	98.09	0.08	10.18	3.27	13.45	PASS
			13.63	98.09	0.08	13.71	3.27	16.98	PASS
	total	5510	---	---	---	13.21	---	16.48	PASS
			---	---	---	16.49	---	19.76	PASS
	Ant1	5550	10.09	98.09	0.08	10.17	3.27	13.44	PASS
			14.70	98.09	0.08	14.78	3.27	18.05	PASS
	Ant2	5550	10.91	98.09	0.08	10.99	3.27	14.26	PASS
			14.89	98.09	0.08	14.97	3.27	18.24	PASS
	total	5550	---	---	---	13.61	---	16.88	PASS
			---	---	---	17.89	---	21.16	PASS
	Ant1	5670	9.99	98.09	0.08	10.07	3.27	13.34	PASS
			13.95	98.09	0.08	14.03	3.27	17.30	PASS
	Ant2	5670	10.47	98.10	0.08	10.55	3.27	13.82	PASS
			13.40	98.10	0.08	13.48	3.27	16.75	PASS
	total	5670	---	---	---	13.33	---	16.60	PASS
			---	---	---	16.77	---	20.04	PASS
	Ant1	5755	12.29	98.09	0.08	12.37	3.27	15.64	PASS
	Ant2	5755	12.73	98.10	0.08	12.81	3.27	16.08	PASS
	total	5755	---	---	---	15.61	---	18.88	PASS
	Ant1	5795	12.52	98.09	0.08	12.60	3.27	15.87	PASS
	Ant2	5795	12.28	98.09	0.08	12.36	3.27	15.63	PASS
	total	5795	---	---	---	15.49	---	18.76	PASS
11AX80MI MO	Ant1	5210	12.15	99.12	0.04	12.19	3.27	15.46	PASS
	Ant2	5210	12.42	99.12	0.04	12.46	3.27	15.73	PASS
	total	5210	---	---	---	15.34	---	18.61	PASS
	Ant1	5290	10.11	99.12	0.04	10.15	3.27	13.42	PASS
			13.15	99.12	0.04	13.19	3.27	16.46	PASS
	Ant2	5290	10.02	99.12	0.04	10.06	3.27	13.33	PASS
			13.17	99.12	0.04	13.21	3.27	16.48	PASS
	total	5290	---	---	---	13.12	---	16.39	PASS
			---	---	---	16.21	---	19.48	PASS
	Ant1	5530	9.98	99.12	0.04	10.02	3.27	13.29	PASS
			13.54	99.12	0.04	13.58	3.27	16.85	PASS
	Ant2	5530	10.33	99.12	0.04	10.37	3.27	13.64	PASS
			13.81	99.12	0.04	13.85	3.27	17.12	PASS
	total	5530	---	---	---	13.21	---	16.48	PASS
			---	---	---	16.73	---	20.00	PASS
	Ant1	5610	10.35	99.12	0.04	10.39	3.27	13.66	PASS
			14.85	99.12	0.04	14.89	3.27	18.16	PASS
	Ant2	5610	10.64	99.12	0.04	10.68	3.27	13.95	PASS
			14.16	99.12	0.04	14.20	3.27	17.47	PASS
	total	5610	---	---	---	13.55	---	16.82	PASS
			---	---	---	17.57	---	20.84	PASS
	Ant1	5775	13.30	99.12	0.04	13.34	3.27	16.61	PASS
	Ant2	5775	13.65	99.12	0.04	13.69	3.27	16.96	PASS
	total	5775	---	---	---	16.53	---	19.80	PASS

Output Power Test Graphs



11A_Ant2_5200



11A_Ant1_5240



11A_Ant2_5240



11A_Ant1_5260



11A_Ant1_5260



11A_Ant2_5260



11A_Ant2_5260



11A_Ant1_5280



11A_Ant1_5280



11A_Ant2_5280



11A_Ant2_5280



11A_Ant1_5320



11A_Ant1_5320



11A_Ant2_5320



11A_Ant2_5320



11A_Ant1_5500



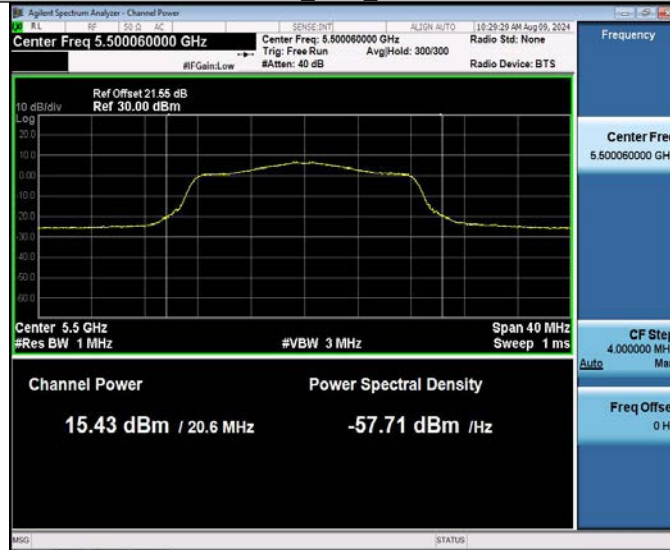
11A_Ant1_5500



11A_Ant2_5500



11A_Ant2_5500



11A_Ant1_5580



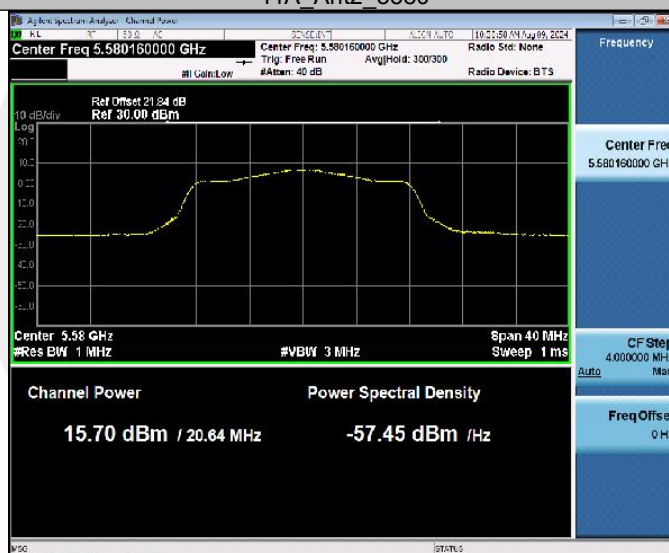
11A_Ant1_5580



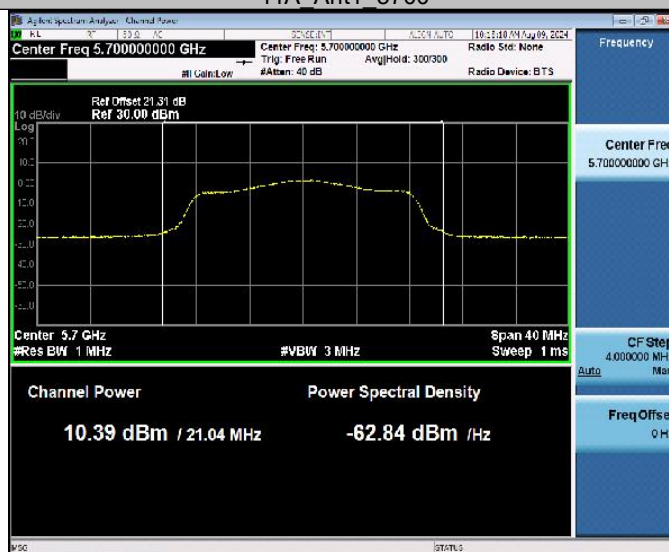
11A_Ant2_5580



11A_Ant2_5580



11A_Ant1_5700



11A_Ant1_5700



11A_Ant2_5700



11A_Ant2_5700



11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785

