



11N40SISO_Ant2_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant2_5755



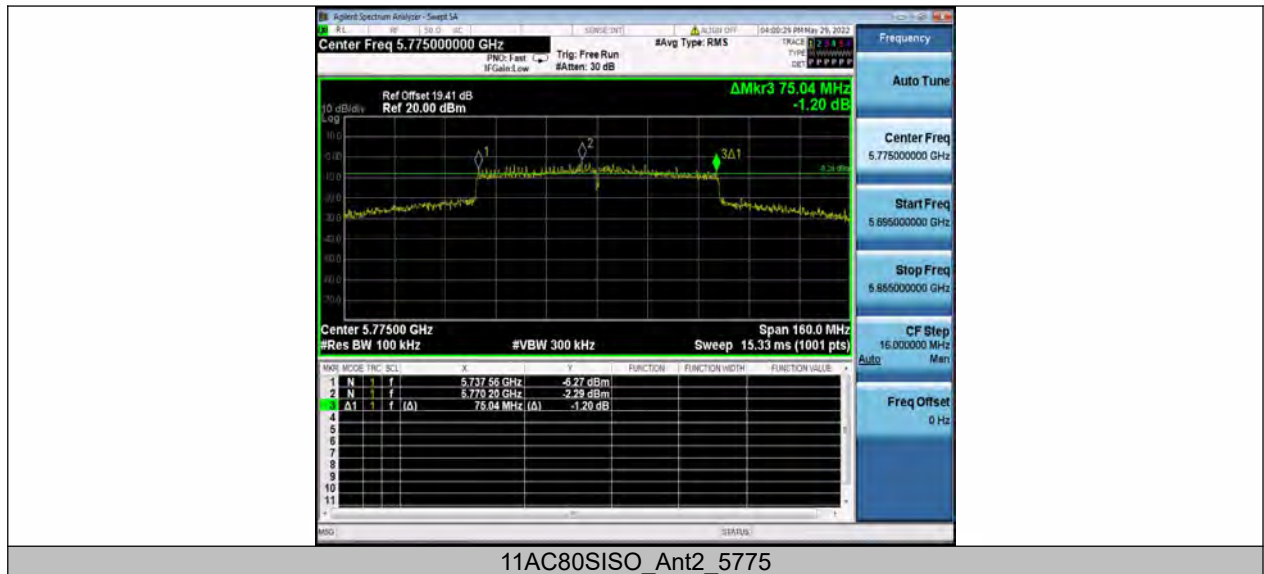
11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795



11AC80SISO_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

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

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	16.05	≤23.98	3.68	19.73	---	PASS
	Ant2	5180	15.25	≤23.98	4.13	19.38	---	PASS
	Ant1	5220	15.61	≤23.98	3.68	19.29	---	PASS
	Ant2	5220	15.25	≤23.98	4.13	19.38	---	PASS
	Ant1	5240	15.72	≤23.98	3.68	19.40	---	PASS
	Ant2	5240	15.51	≤23.98	4.13	19.64	---	PASS
	Ant1	5260	15.63	≤23.98	3.68	19.31	≤26.99	PASS
	Ant2	5260	16.10	≤23.98	4.13	20.23	≤26.99	PASS
	Ant1	5300	15.65	≤23.98	3.68	19.33	≤26.99	PASS
	Ant2	5300	16.18	≤23.98	4.13	20.31	≤26.99	PASS
	Ant1	5320	15.21	≤23.98	3.68	18.89	≤26.99	PASS
	Ant2	5320	15.66	≤23.98	4.13	19.79	≤26.99	PASS
	Ant1	5500	15.59	≤23.98	3.68	19.27	≤26.99	PASS
	Ant2	5500	15.97	≤23.98	4.13	20.10	≤26.99	PASS
	Ant1	5580	16.51	≤23.98	3.68	20.19	≤26.99	PASS
	Ant2	5580	17.10	≤23.98	4.13	21.23	≤26.99	PASS
	Ant1	5700	15.14	≤23.98	3.68	18.82	≤26.99	PASS
	Ant2	5700	15.83	≤23.98	4.13	19.96	≤26.99	PASS
	Ant1	5745	17.04	≤30.00	3.68	20.72	---	PASS
	Ant2	5745	15.24	≤30.00	4.13	19.37	---	PASS
11N20SISO	Ant1	5785	16.55	≤30.00	3.68	20.23	---	PASS
	Ant2	5785	14.68	≤30.00	4.13	18.81	---	PASS
	Ant1	5825	16.23	≤30.00	3.68	19.91	---	PASS
	Ant2	5825	14.23	≤30.00	4.13	18.36	---	PASS
	Ant1	5180	14.38	≤23.98	3.68	18.06	---	PASS
	Ant2	5180	15.29	≤23.98	4.13	19.42	---	PASS
	Ant1	5220	14.44	≤23.98	3.68	18.12	---	PASS
	Ant2	5220	14.81	≤23.98	4.13	18.94	---	PASS
	Ant1	5240	14.57	≤23.98	3.68	18.25	---	PASS
	Ant2	5240	15.02	≤23.98	4.13	19.15	---	PASS
	Ant1	5260	14.89	≤23.98	3.68	18.57	≤26.99	PASS
	Ant2	5260	15.09	≤23.98	4.13	19.22	≤26.99	PASS
	Ant1	5300	14.88	≤23.98	3.68	18.56	≤26.99	PASS
	Ant2	5300	15.17	≤23.98	4.13	19.30	≤26.99	PASS

	Ant2	5580	15.53	≤23.98	4.13	19.66	≤26.99	PASS
	Ant1	5700	13.85	≤23.98	3.68	17.53	≤26.99	PASS
	Ant2	5700	14.15	≤23.98	4.13	18.28	≤26.99	PASS
	Ant1	5745	14.84	≤30.00	3.68	18.52	---	PASS
	Ant2	5745	13.96	≤30.00	4.13	18.09	---	PASS
	Ant1	5785	14.08	≤30.00	3.68	17.76	---	PASS
	Ant2	5785	14.74	≤30.00	4.13	18.87	---	PASS
	Ant1	5825	13.68	≤30.00	3.68	17.36	---	PASS
	Ant2	5825	14.54	≤30.00	4.13	18.67	---	PASS
11N40SIS O	Ant1	5190	13.14	≤23.98	3.68	16.82	---	PASS
	Ant2	5190	12.86	≤23.98	4.13	16.99	---	PASS
	Ant1	5230	14.82	≤23.98	3.68	18.50	---	PASS
	Ant2	5230	14.53	≤23.98	4.13	18.66	---	PASS
	Ant1	5270	15.29	≤23.98	3.68	18.97	≤26.99	PASS
	Ant2	5270	15.10	≤23.98	4.13	19.23	≤26.99	PASS
	Ant1	5310	14.24	≤23.98	3.68	17.92	≤26.99	PASS
	Ant2	5310	13.92	≤23.98	4.13	18.05	≤26.99	PASS
	Ant1	5510	13.77	≤23.98	3.68	17.45	≤26.99	PASS
	Ant2	5510	13.84	≤23.98	4.13	17.97	≤26.99	PASS
	Ant1	5550	13.98	≤23.98	3.68	17.66	≤26.99	PASS
	Ant2	5550	15.84	≤23.98	4.13	19.97	≤26.99	PASS
	Ant1	5670	14.60	≤23.98	3.68	18.28	≤26.99	PASS
	Ant2	5670	15.22	≤23.98	4.13	19.35	≤26.99	PASS
	Ant1	5755	15.51	≤30.00	3.68	19.19	---	PASS
	Ant2	5755	15.83	≤30.00	4.13	19.96	---	PASS
	Ant1	5795	14.75	≤30.00	3.68	18.43	---	PASS
	Ant2	5795	15.42	≤30.00	4.13	19.55	---	PASS
11AC20SI SO	Ant1	5180	14.37	≤23.98	3.68	18.05	---	PASS
	Ant2	5180	14.69	≤23.98	4.13	18.82	---	PASS
	Ant1	5220	14.47	≤23.98	3.68	18.15	---	PASS
	Ant2	5220	14.64	≤23.98	4.13	18.77	---	PASS
	Ant1	5240	14.66	≤23.98	3.68	18.34	---	PASS
	Ant2	5240	15.01	≤23.98	4.13	19.14	---	PASS
	Ant1	5260	14.65	≤23.98	3.68	18.33	≤26.99	PASS
	Ant2	5260	14.97	≤23.98	4.13	19.10	≤26.99	PASS
	Ant1	5300	14.72	≤23.98	3.68	18.40	≤26.99	PASS
	Ant2	5300	15.06	≤23.98	4.13	19.19	≤26.99	PASS
	Ant1	5320	14.22	≤23.98	3.68	17.90	≤26.99	PASS
	Ant2	5320	14.44	≤23.98	4.13	18.57	≤26.99	PASS
	Ant1	5500	14.22	≤23.98	3.68	17.90	≤26.99	PASS
	Ant2	5500	14.36	≤23.98	4.13	18.49	≤26.99	PASS
	Ant1	5580	15.30	≤23.98	3.68	18.98	≤26.99	PASS
	Ant2	5580	15.29	≤23.98	4.13	19.42	≤26.99	PASS
	Ant1	5700	14.05	≤23.98	3.68	17.73	≤26.99	PASS
	Ant2	5700	14.49	≤23.98	4.13	18.62	≤26.99	PASS
	Ant1	5745	14.11	≤30.00	3.68	17.79	---	PASS
	Ant2	5745	14.53	≤30.00	4.13	18.66	---	PASS
	Ant1	5785	13.59	≤30.00	3.68	17.27	---	PASS
	Ant2	5785	14.31	≤30.00	4.13	18.44	---	PASS
	Ant1	5825	13.16	≤30.00	3.68	16.84	---	PASS
	Ant2	5825	13.89	≤30.00	4.13	18.02	---	PASS
11AC40SI SO	Ant1	5190	13.19	≤23.98	3.68	16.87	---	PASS
	Ant2	5190	12.72	≤23.98	4.13	16.85	---	PASS
	Ant1	5230	14.84	≤23.98	3.68	18.52	---	PASS
	Ant2	5230	13.11	≤23.98	4.13	17.24	---	PASS

	Ant1	5270	15.23	≤23.98	3.68	18.91	≤26.99	PASS
	Ant2	5270	14.90	≤23.98	4.13	19.03	≤26.99	PASS
	Ant1	5310	14.19	≤23.98	3.68	17.87	≤26.99	PASS
	Ant2	5310	13.74	≤23.98	4.13	17.87	≤26.99	PASS
	Ant1	5510	13.60	≤23.98	3.68	17.28	≤26.99	PASS
	Ant2	5510	13.74	≤23.98	4.13	17.87	≤26.99	PASS
	Ant1	5550	15.82	≤23.98	3.68	19.50	≤26.99	PASS
	Ant2	5550	15.83	≤23.98	4.13	19.96	≤26.99	PASS
	Ant1	5670	15.38	≤23.98	3.68	19.06	≤26.99	PASS
	Ant2	5670	15.07	≤23.98	4.13	19.20	≤26.99	PASS
	Ant1	5755	15.40	≤30.00	3.68	19.08	---	PASS
	Ant2	5755	13.62	≤30.00	4.13	17.75	---	PASS
	Ant1	5795	14.93	≤30.00	3.68	18.61	---	PASS
	Ant2	5795	12.98	≤30.00	4.13	17.11	---	PASS
11AC80SI SO	Ant1	5210	13.99	≤23.98	3.68	17.67	---	PASS
	Ant2	5210	13.47	≤23.98	4.13	17.60	---	PASS
	Ant1	5290	14.22	≤23.98	3.68	17.90	≤26.99	PASS
	Ant2	5290	14.56	≤23.98	4.13	18.69	≤26.99	PASS
	Ant1	5530	15.58	≤23.98	3.68	19.26	≤26.99	PASS
	Ant2	5530	15.57	≤23.98	4.13	19.70	≤26.99	PASS
	Ant1	5610	16.09	≤23.98	3.68	19.77	≤26.99	PASS
	Ant2	5610	16.04	≤23.98	4.13	20.17	≤26.99	PASS
	Ant1	5775	14.76	≤30.00	3.68	18.44	---	PASS
	Ant2	5775	13.03	≤30.00	4.13	17.16	---	PASS
11N20MIMO		5180	17.87	≤23.98	6.92	21.80	≤26.99	PASS
		5220	17.64	≤23.98	6.92	21.56	≤26.99	PASS
		5240	17.81	≤23.98	6.92	21.73	≤26.99	PASS
		5260	18.00	≤23.98	6.92	21.92	≤26.99	PASS
		5300	18.04	≤23.98	6.92	21.96	≤26.99	PASS
		5320	17.89	≤23.98	6.92	21.81	≤26.99	PASS
		5500	17.29	≤23.98	6.92	21.21	≤26.99	PASS
		5580	18.42	≤23.98	6.92	22.33	≤26.99	PASS
		5700	17.01	≤23.98	6.92	20.93	≤26.99	PASS
		5745	17.43	≤30.00	6.92	21.32		PASS
		5785	17.43	≤30.00	6.92	21.36		PASS
		5825	17.14	≤30.00	6.92	21.07		PASS
11N40MIMO		5190	16.01	≤23.98	6.92	19.92	≤26.99	PASS
		5230	17.69	≤23.98	6.92	21.59	≤26.99	PASS
		5270	18.21	≤23.98	6.92	22.11	≤26.99	PASS
		5310	17.09	≤23.98	6.92	21.00	≤26.99	PASS
		5510	16.82	≤23.98	6.92	20.73	≤26.99	PASS
		5550	18.02	≤23.98	6.92	21.98	≤26.99	PASS
		5670	17.93	≤23.98	6.92	21.86	≤26.99	PASS
		5755	18.68	≤30.00	6.92	22.60		PASS
		5795	18.11	≤30.00	6.92	22.04		PASS
		5180	17.54	≤23.98	6.92	21.46	≤26.99	PASS
11AC20MIMO		5220	17.57	≤23.98	6.92	21.48	≤26.99	PASS
		5240	17.85	≤23.98	6.92	21.77	≤26.99	PASS
		5260	17.82	≤23.98	6.92	21.74	≤26.99	PASS
		5300	17.90	≤23.98	6.92	21.82	≤26.99	PASS
		5320	17.34	≤23.98	6.92	21.26	≤26.99	PASS
		5500	17.30	≤23.98	6.92	21.22	≤26.99	PASS
		5580	18.31	≤23.98	6.92	22.22	≤26.99	PASS
		5700	17.29	≤23.98	6.92	21.21	≤26.99	PASS
		5745	17.34	≤30.00	6.92	21.26		PASS
		5180	17.54	≤23.98	6.92	21.46	≤26.99	PASS

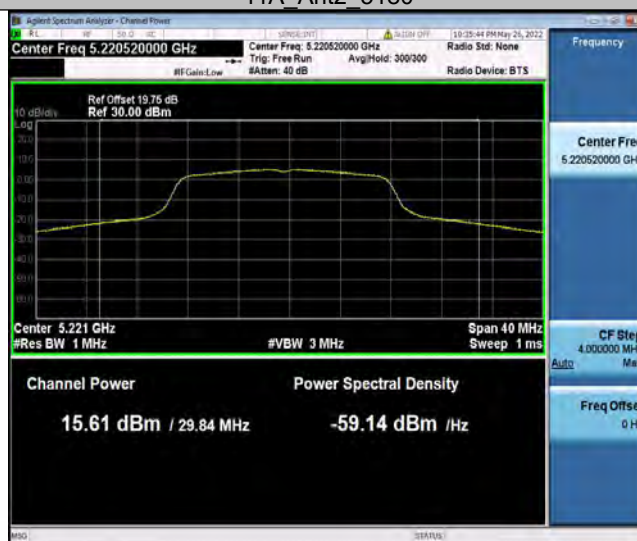
	5785	16.98	≤30.00	6.92	20.90		PASS
	5825	16.55	≤30.00	6.92	20.48		PASS
11AC40MIMO	5190	15.97	≤23.98	6.92	19.87	≤26.99	PASS
	5230	17.07	≤23.98	6.92	20.94	≤26.99	PASS
	5270	18.08	≤23.98	6.92	21.98	≤26.99	PASS
	5310	16.98	≤23.98	6.92	20.88	≤26.99	PASS
	5510	16.68	≤23.98	6.92	20.60	≤26.99	PASS
	5550	18.84	≤23.98	6.92	22.75	≤26.99	PASS
	5670	18.24	≤23.98	6.92	22.14	≤26.99	PASS
	5755	17.61	≤30.00	6.92	21.48		PASS
	5795	17.07	≤30.00	6.92	20.93		PASS
11AC80MIMO	5210	16.75	≤23.98	6.92	20.65	≤26.99	PASS
	5290	17.40	≤23.98	6.92	21.32	≤26.99	PASS
	5530	18.59	≤23.98	6.92	22.50	≤26.99	PASS
	5610	19.08	≤23.98	6.92	22.98	≤26.99	PASS
	5775	16.99	≤30.00	6.92	20.86		PASS



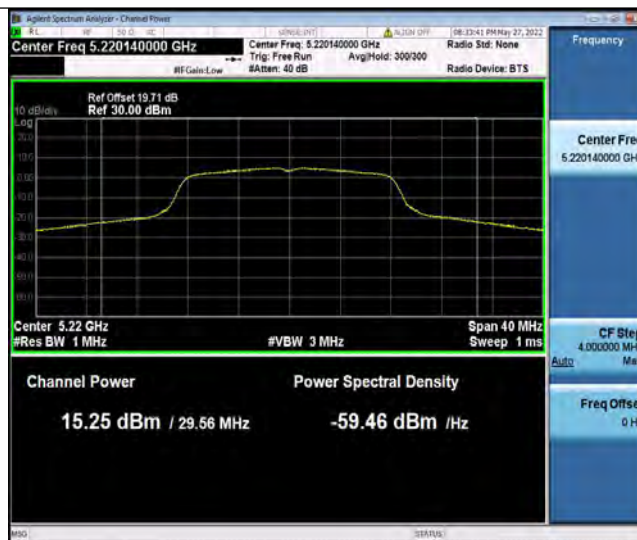
11A_Ant1_5180



11A_Ant2_5180



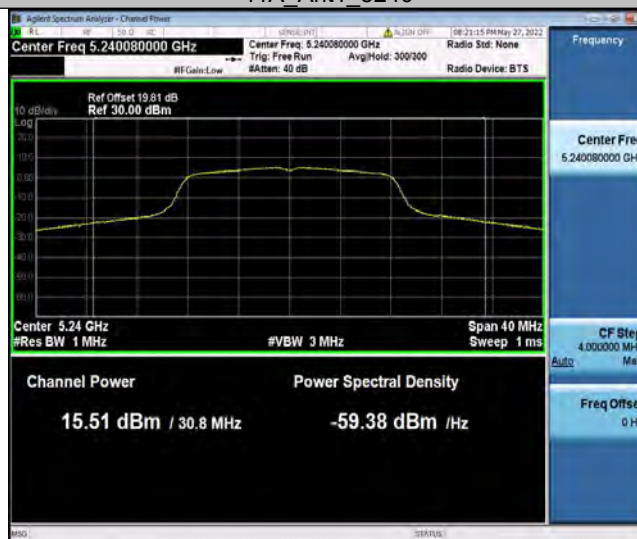
11A_Ant1_5220



11A Ant2 5220



11A Ant1 5240



11A Ant2 5240



11A_Ant1_5260



11A_Ant2_5260



11A_Ant1_5300



11A Ant2 5300



11A Ant1 5320



11A Ant2 5320



11A Ant1 5500



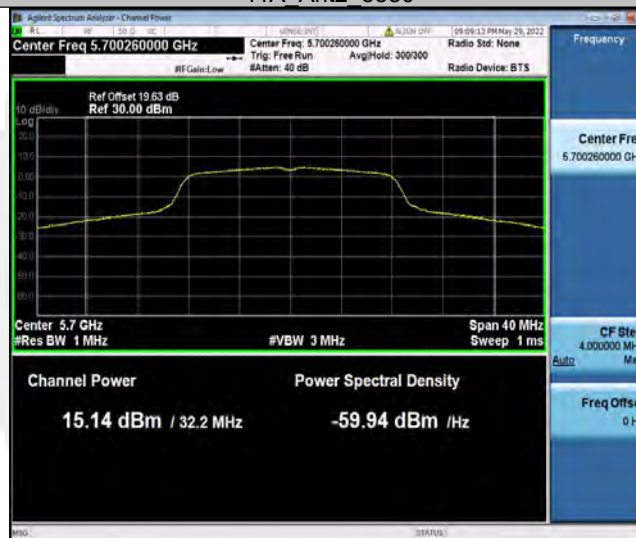
11A Ant2 5500



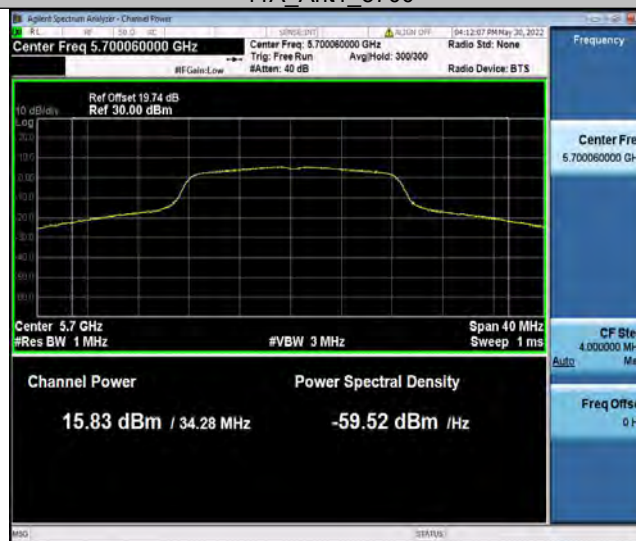
11A Ant1 5580



11A Ant2 5580



11A Ant1_5700



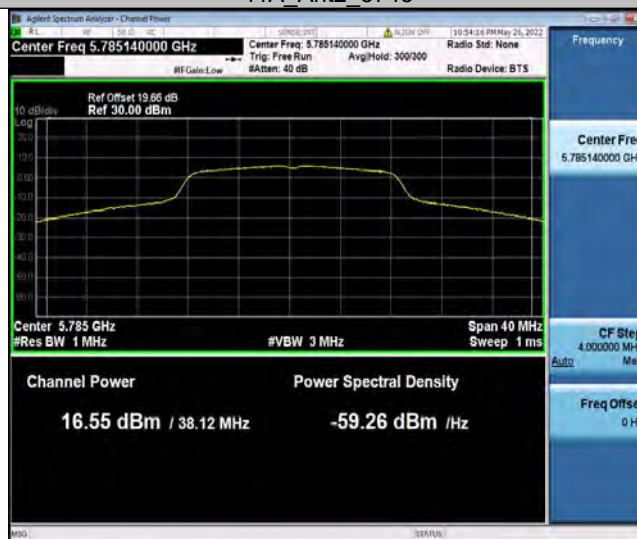
11A Ant2_5700



11A Ant1 5745



11A Ant2 5745



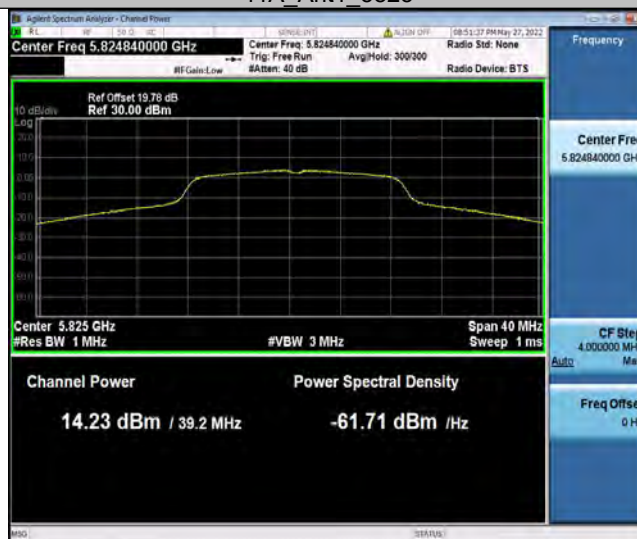
11A Ant1 5785



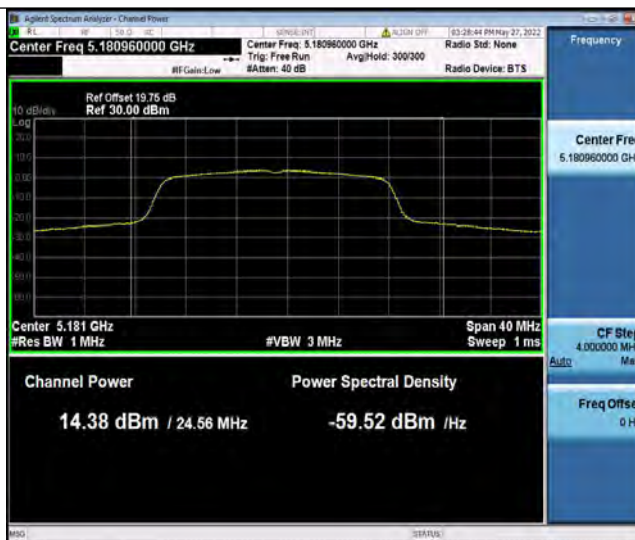
11A Ant2 5785



11A Ant1 5825



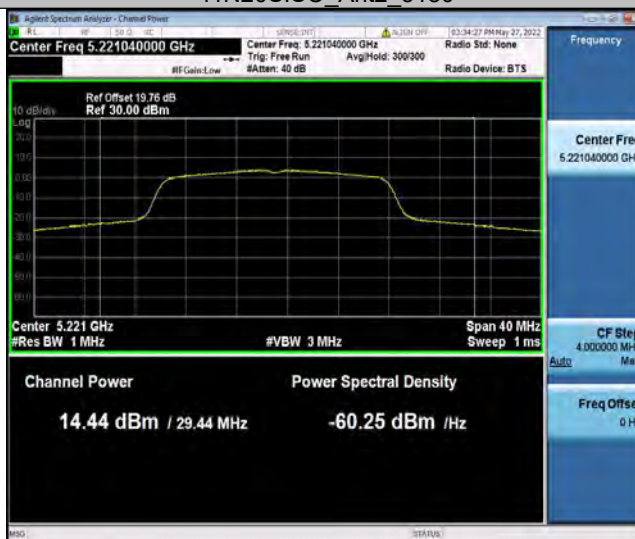
11A Ant2 5825



11N20SISO Ant1 5180



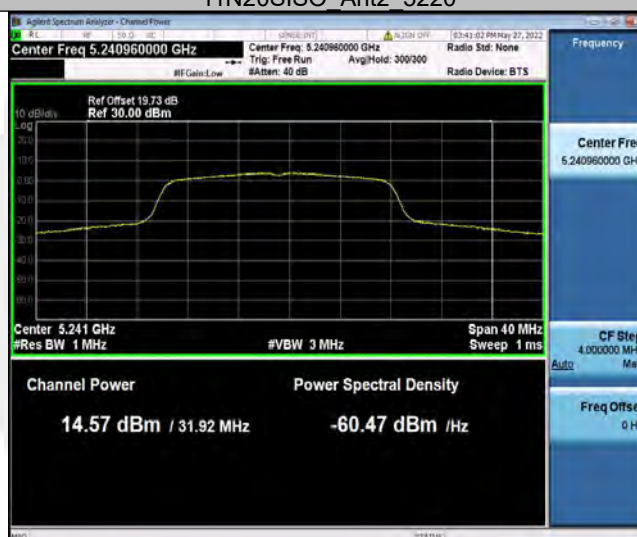
11N20SISO Ant2 5180



11N20SISO Ant1 5220



11N20SISO Ant2 5220



11N20SISO Ant1 5240



11N20SISO Ant2 5240



11N20SISO Ant1 5260



11N20SISO Ant2 5260



11N20SISO Ant1 5300



11N20SISO Ant2 5300



11N20SISO Ant1 5320



11N20SISO Ant2 5320



11N20SISO Ant1 5500



11N20SISO Ant2 5500



11N20SISO Ant1 5580



11N20SISO Ant2 5580



11N20SISO Ant1 5700



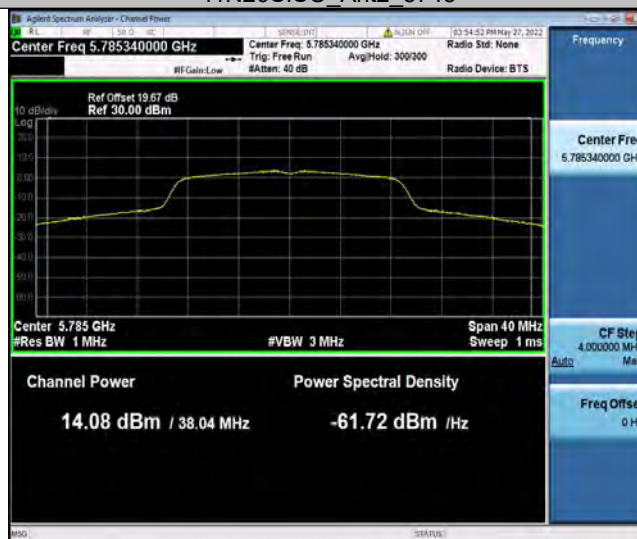
11N20SISO Ant2 5700



11N20SISO Ant1 5745



11N20SISO Ant2 5745



11N20SISO Ant1 5785



11N20SISO Ant2 5785



11N20SISO Ant1 5825



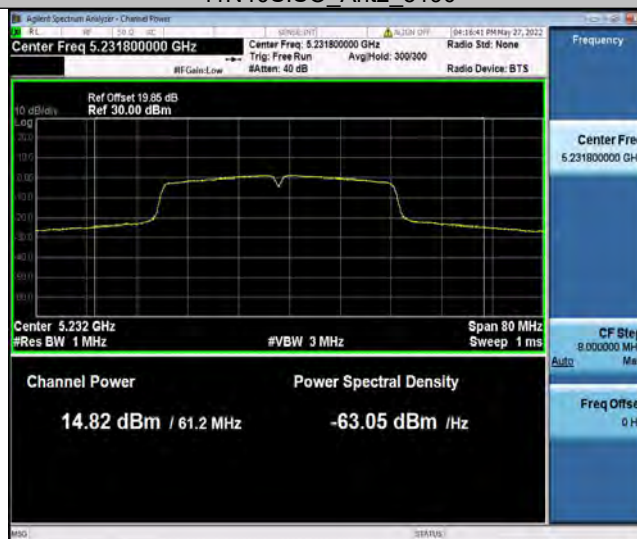
11N20SISO Ant2 5825



11N40SISO Ant1 5190



11N40SISO Ant2 5190



11N40SISO Ant1 5230



11N40SISO Ant2 5230



11N40SISO Ant1 5270



11N40SISO Ant2 5270



11N40SISO Ant1 5310



11N40SISO Ant2 5310



11N40SISO Ant1 5510



11N40SISO Ant2 5510



11N40SISO Ant1 5550



11N40SISO Ant2 5550



11N40SISO Ant1 5670



11N40SISO Ant2 5670



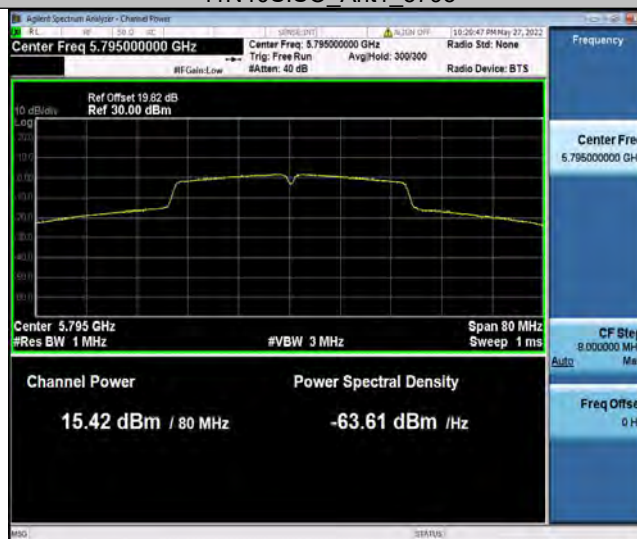
11N40SISO Ant1 5755



11N40SISO Ant2 5755



11N40SISO Ant1 5795



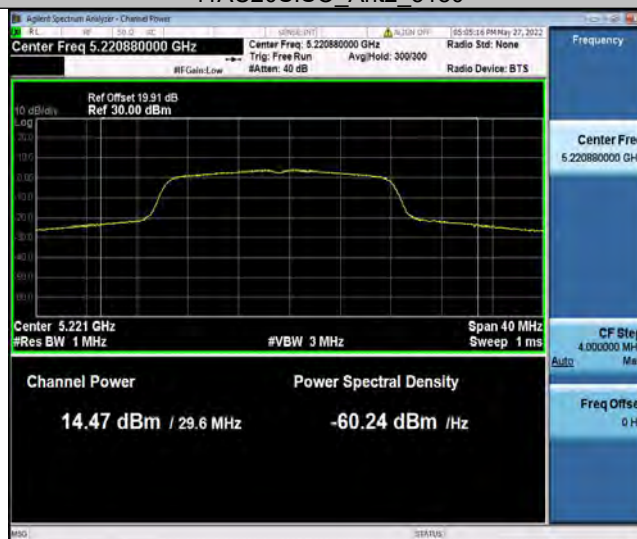
11N40SISO Ant2 5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant2_5220



11AC20SISO_Ant1_5240



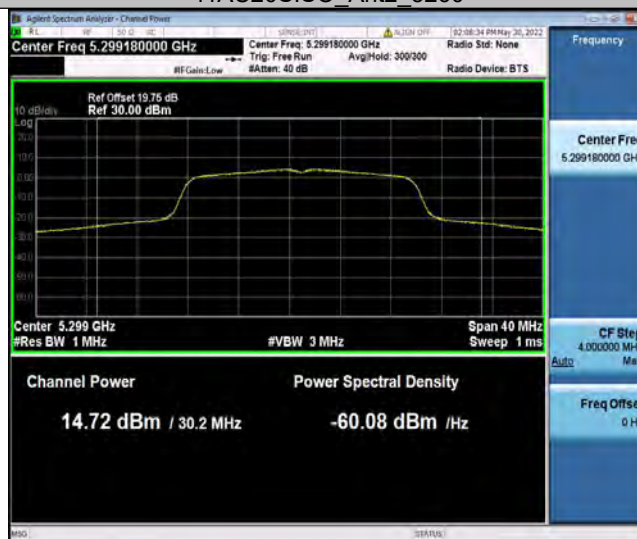
11AC20SISO_Ant2_5240



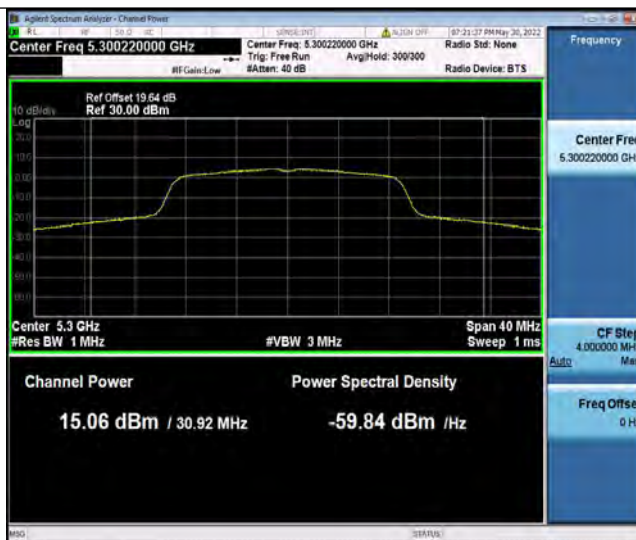
11AC20SISO_Ant1_5260



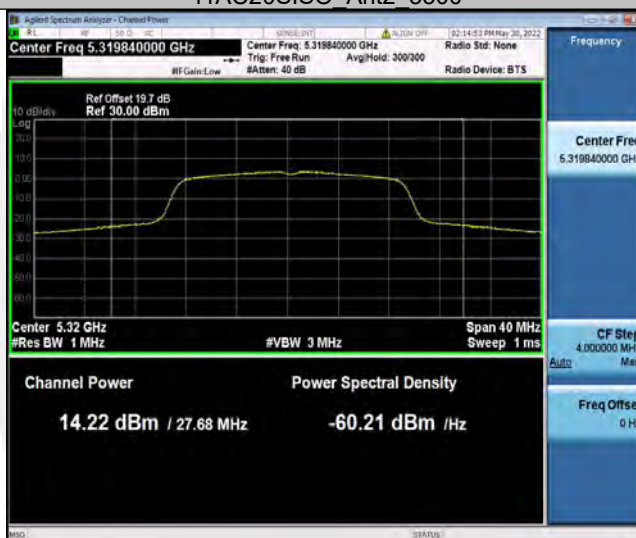
11AC20SISO_Ant2_5260



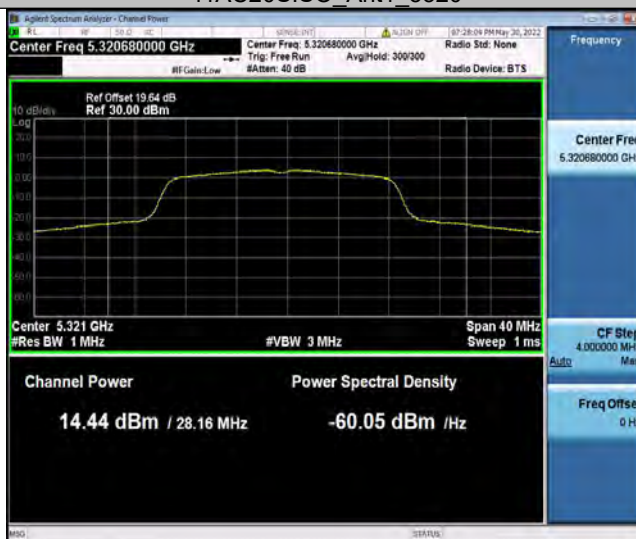
11AC20SISO_Ant1_5300



11AC20SISO_Ant2_5300



11AC20SISO_Ant1_5320



11AC20SISO_Ant2_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant2_5500



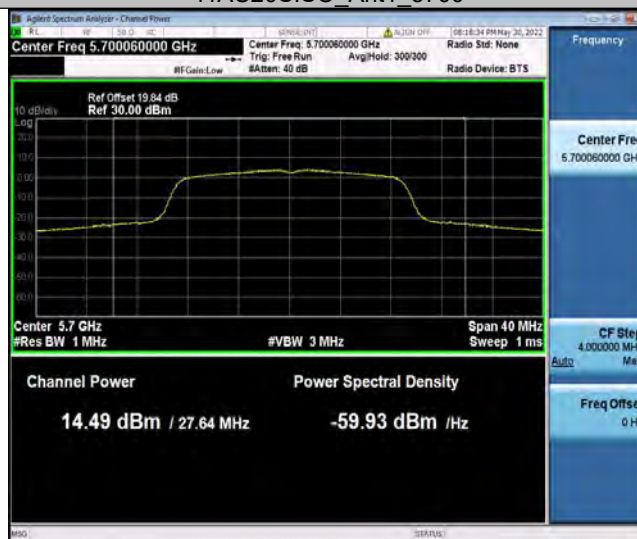
11AC20SISO_Ant1_5580



11AC20SISO_Ant2_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant2_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5190



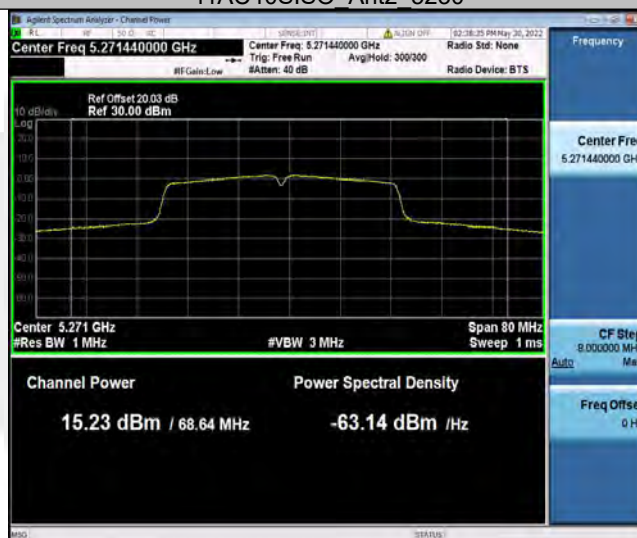
11AC40SISO_Ant2_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant2_5230



11AC40SISO_Ant1_5270



11AC40SISO_Ant2_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant2_5310



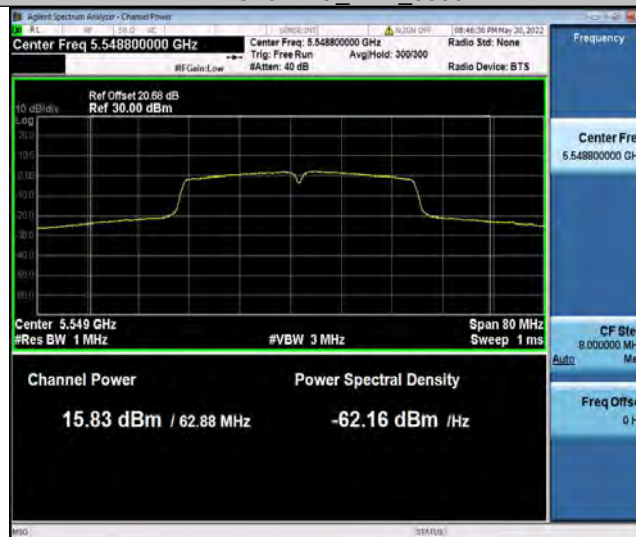
11AC40SISO_Ant1_5510



11AC40SISO_Ant2_5510



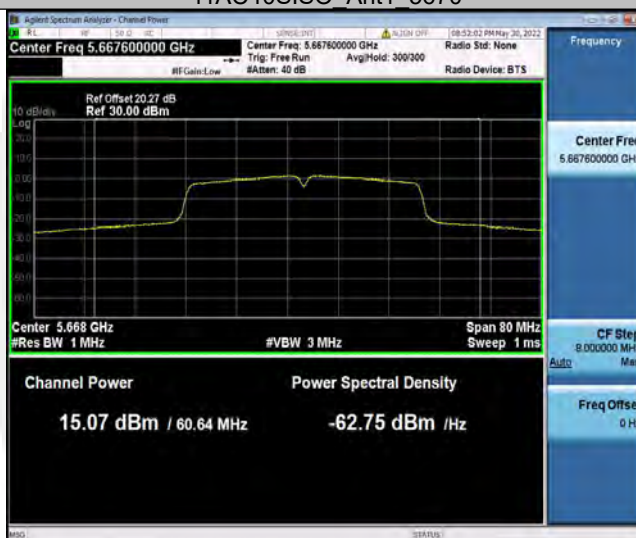
11AC40SISO_Ant1_5550



11AC40SISO_Ant2_5550



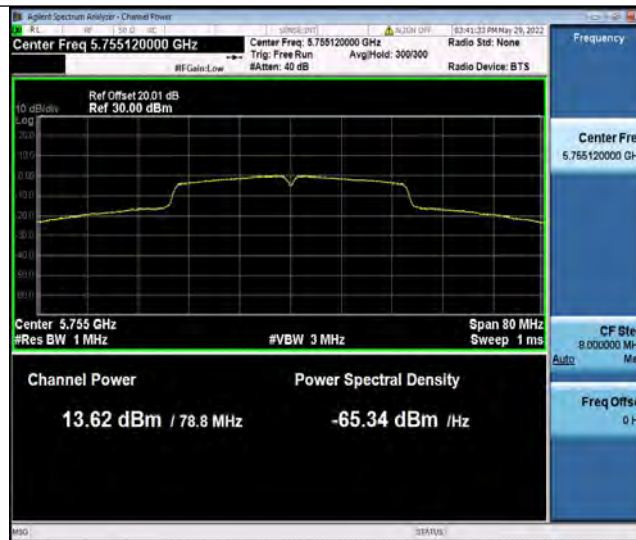
11AC40SISO_Ant1_5670



11AC40SISO_Ant2_5670



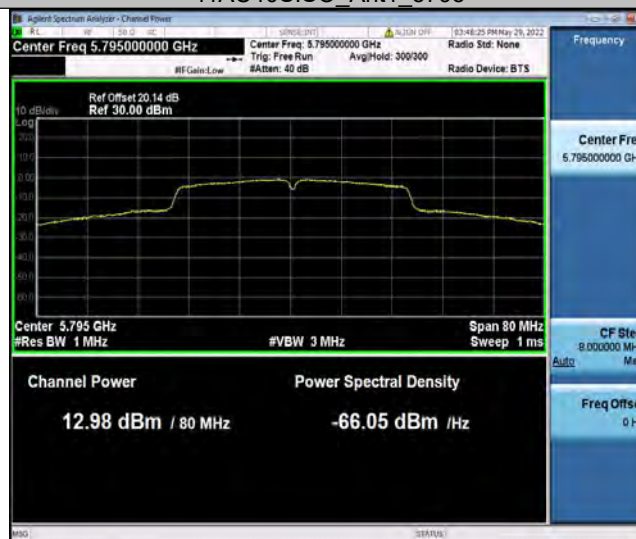
11AC40SISO_Ant1_5755



11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant2_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant2_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant2_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant2_5610



11AC80SISO_Ant1_5775



8.3 MAXIMUM PEAK POWER DENSITY

8.3.1 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(F)

8.3.2 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

(b) (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.

8.3.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.3.4 Test Procedure

Methods refer to FCC KDB 789033

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

8.3.5 Test Results

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.38	≤11.00	PASS
	Ant2	5180	6.23	≤11.00	PASS
	Ant1	5220	6.07	≤11.00	PASS
	Ant2	5220	5.53	≤11.00	PASS
	Ant1	5240	5.85	≤11.00	PASS
	Ant2	5240	5.82	≤11.00	PASS
	Ant1	5260	6.16	≤11.00	PASS
	Ant2	5260	6.69	≤11.00	PASS
	Ant1	5300	6.07	≤11.00	PASS
	Ant2	5300	6.84	≤11.00	PASS
	Ant1	5320	5.39	≤11.00	PASS
	Ant2	5320	6.41	≤11.00	PASS
	Ant1	5500	6.27	≤11.00	PASS
	Ant2	5500	6.66	≤11.00	PASS
	Ant1	5580	6.86	≤11.00	PASS
	Ant2	5580	7.98	≤11.00	PASS
	Ant1	5700	5.53	≤11.00	PASS
	Ant2	5700	6.28	≤11.00	PASS
	Ant1	5745	5.57	≤30.00	PASS
	Ant2	5745	3.23	≤30.00	PASS
	Ant1	5785	4.37	≤30.00	PASS
	Ant2	5785	2.32	≤30.00	PASS
	Ant1	5825	4	≤30.00	PASS
	Ant2	5825	1.74	≤30.00	PASS
11N20SISO	Ant1	5180	4.54	≤11.00	PASS
	Ant2	5180	5.74	≤11.00	PASS
	Ant1	5220	4.43	≤11.00	PASS
	Ant2	5220	5.29	≤11.00	PASS
	Ant1	5240	4.78	≤11.00	PASS
	Ant2	5240	5.62	≤11.00	PASS
	Ant1	5260	4.93	≤11.00	PASS
	Ant2	5260	5.55	≤11.00	PASS
	Ant1	5300	5.39	≤11.00	PASS
	Ant2	5300	5.35	≤11.00	PASS
	Ant1	5320	5.19	≤11.00	PASS
	Ant2	5320	5.33	≤11.00	PASS
	Ant1	5500	4.54	≤11.00	PASS
	Ant2	5500	4.96	≤11.00	PASS
	Ant1	5580	5.44	≤11.00	PASS
	Ant2	5580	5.8	≤11.00	PASS
	Ant1	5700	4.73	≤11.00	PASS
	Ant2	5700	4.62	≤11.00	PASS
	Ant1	5745	2.57	≤30.00	PASS
	Ant2	5745	1.72	≤30.00	PASS
	Ant1	5785	1.78	≤30.00	PASS
	Ant2	5785	2.34	≤30.00	PASS
	Ant1	5825	1.3	≤30.00	PASS
	Ant2	5825	1.82	≤30.00	PASS
11N40SISO	Ant1	5190	0.99	≤11.00	PASS

	Ant2	5190	0.45	≤11.00	PASS
	Ant1	5230	2.03	≤11.00	PASS
	Ant2	5230	1.99	≤11.00	PASS
	Ant1	5270	2.83	≤11.00	PASS
	Ant2	5270	2.5	≤11.00	PASS
	Ant1	5310	1.56	≤11.00	PASS
	Ant2	5310	1.2	≤11.00	PASS
	Ant1	5510	1.57	≤11.00	PASS
	Ant2	5510	1.35	≤11.00	PASS
	Ant1	5550	1.38	≤11.00	PASS
	Ant2	5550	3.02	≤11.00	PASS
	Ant1	5670	2.59	≤11.00	PASS
	Ant2	5670	2.45	≤11.00	PASS
	Ant1	5755	0.42	≤30.00	PASS
	Ant2	5755	0.39	≤30.00	PASS
	Ant1	5795	-0.94	≤30.00	PASS
	Ant2	5795	0.25	≤30.00	PASS
11AC20SISO	Ant1	5180	4.89	≤11.00	PASS
	Ant2	5180	4.64	≤11.00	PASS
	Ant1	5220	4.85	≤11.00	PASS
	Ant2	5220	4.88	≤11.00	PASS
	Ant1	5240	5.01	≤11.00	PASS
	Ant2	5240	5.48	≤11.00	PASS
	Ant1	5260	5.13	≤11.00	PASS
	Ant2	5260	5.16	≤11.00	PASS
	Ant1	5300	5.32	≤11.00	PASS
	Ant2	5300	5.73	≤11.00	PASS
	Ant1	5320	4.53	≤11.00	PASS
	Ant2	5320	5.07	≤11.00	PASS
	Ant1	5500	4.91	≤11.00	PASS
	Ant2	5500	4.67	≤11.00	PASS
	Ant1	5580	6.15	≤11.00	PASS
	Ant2	5580	5.52	≤11.00	PASS
	Ant1	5700	5.08	≤11.00	PASS
	Ant2	5700	4.48	≤11.00	PASS
	Ant1	5745	1.99	≤30.00	PASS
	Ant2	5745	2.35	≤30.00	PASS
	Ant1	5785	1.72	≤30.00	PASS
	Ant2	5785	2.05	≤30.00	PASS
	Ant1	5825	0.81	≤30.00	PASS
	Ant2	5825	1.57	≤30.00	PASS
11AC40SISO	Ant1	5190	0.86	≤11.00	PASS
	Ant2	5190	0.16	≤11.00	PASS
	Ant1	5230	2.23	≤11.00	PASS
	Ant2	5230	0.94	≤11.00	PASS
	Ant1	5270	2.78	≤11.00	PASS
	Ant2	5270	2.22	≤11.00	PASS
	Ant1	5310	1.73	≤11.00	PASS
	Ant2	5310	1.29	≤11.00	PASS
	Ant1	5510	0.9	≤11.00	PASS
	Ant2	5510	1.31	≤11.00	PASS
	Ant1	5550	3.25	≤11.00	PASS
	Ant2	5550	3.36	≤11.00	PASS
	Ant1	5670	2.76	≤11.00	PASS
	Ant2	5670	2.2	≤11.00	PASS

	Ant1	5755	0.23	≤30.00	PASS
	Ant2	5755	-1.51	≤30.00	PASS
	Ant1	5795	0.26	≤30.00	PASS
	Ant2	5795	-2.48	≤30.00	PASS
11AC80SISO	Ant1	5210	-1.39	≤11.00	PASS
	Ant2	5210	-2.04	≤11.00	PASS
	Ant1	5290	-0.96	≤11.00	PASS
	Ant2	5290	-1.63	≤11.00	PASS
	Ant1	5530	0.16	≤11.00	PASS
	Ant2	5530	-0.03	≤11.00	PASS
	Ant1	5610	0.3	≤11.00	PASS
	Ant2	5610	0.15	≤11.00	PASS
	Ant1	5775	-3.43	≤30.00	PASS
	Ant2	5775	-4.83	≤30.00	PASS
11N20MIMO		5180	8.19	≤11.00	
		5220	7.89	≤11.00	
		5240	8.23	≤11.00	
		5260	8.26	≤11.00	
		5300	8.38	≤11.00	
		5320	8.27	≤11.00	
		5500	7.77	≤11.00	
		5580	8.63	≤11.00	
		5700	7.69	≤11.00	
		5745	5.18	≤30.00	
		5785	5.08	≤30.00	
		5825	4.58	≤30.00	
11N40MIMO		5190	3.74	≤11.00	
		5230	5.02	≤11.00	
		5270	5.68	≤11.00	
		5310	4.39	≤11.00	
		5510	4.47	≤11.00	
		5550	5.29	≤11.00	
		5670	5.53	≤11.00	
		5755	3.42	≤30.00	
		5795	2.71	≤30.00	
11AC20MIMO		5180	7.78	≤11.00	
		5220	7.88	≤11.00	
		5240	8.26	≤11.00	
		5260	8.16	≤11.00	
		5300	8.54	≤11.00	
		5320	7.82	≤11.00	
		5500	7.80	≤11.00	
		5580	8.86	≤11.00	
		5700	7.80	≤11.00	
		5745	5.18	≤30.00	
		5785	4.90	≤30.00	
		5825	4.22	≤30.00	
11AC40MIMO		5190	3.53	≤11.00	
		5230	4.64	≤11.00	
		5270	5.52	≤11.00	
		5310	4.53	≤11.00	
		5510	4.12	≤11.00	
		5550	6.32	≤11.00	
		5670	5.50	≤11.00	
		5755	2.46	≤30.00	

	5795	2.11	≤30.00	
11AC80MIMO	5210	1.31	≤11.00	
	5290	1.73	≤11.00	
	5530	3.08	≤11.00	
	5610	3.24	≤11.00	
	5775	-1.06	≤30.00	





11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5220



11A Ant2 5220



11A Ant1_5240



11A Ant2_5240



11A Ant1 5260



11A Ant2 5260



11A Ant1 5300



11A Ant2 5300



11A Ant2 5320



11A Ant2 5320



11A Ant1 5500



11A Ant2 5500



11A Ant1 5580



11A_Ant2_5580



11A_Ant1_5700



11A_Ant2_5700



11A Ant1 5745



11A Ant2 5745



11A Ant1 5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20SISO Ant1 5180



11N20SISO Ant2 5180



11N20SISO Ant1 5220



11N20SISO Ant2 5220



11N20SISO Ant1 5240



11N20SISO Ant2 5240



11N20SISO Ant1 5260



11N20SISO Ant2 5260



11N20SISO Ant1 5300



11N20SISO Ant2 5300



11N20SISO Ant1 5320



11N20SISO Ant2 5320



11N20SISO Ant1 5500



11N20SISO Ant2 5500



11N20SISO Ant1 5580



11N20SISO Ant2 5580



11N20SISO Ant1 5700



11N20SISO Ant2 5700



11N20SISO Ant1 5745



11N20SISO Ant2 5745



11N20SISO Ant1 5785



11N20SISO Ant2 5785



11N20SISO Ant1 5825



11N20SISO Ant2 5825



11N40SISO Ant1 5190



11N40SISO Ant2 5190



11N40SISO Ant1 5230



11N40SISO Ant2 5230



11N40SISO Ant1 5270



11N40SISO Ant2 5270



11N40ISO Ant1 5310



11N40ISO Ant2 5310



11N40ISO Ant1 5510



11N40SISO Ant2 5510



11N40SISO Ant1 5550



11N40SISO Ant2 5550



11N40SISO Ant1 5670



11N40SISO Ant2 5670



11N40SISO Ant1 5755



11N40SISO Ant2 5755



11N40SISO Ant1 5795



11N40SISO Ant2 5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant2_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant2_5260



11AC20SISO_Ant1_5300



11AC20SISO_Ant2_5300



11AC20SISO_Ant1_5320



11AC20SISO_Ant2_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant2_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant2_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant2_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant2_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant2_5230



11AC40SISO_Ant1_5270



11AC40SISO_Ant2_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant2_5310



11AC40SISO_Ant1_5510



11AC40SISO_Ant2_5510



11AC40SISO_Ant1_5550



11AC40SISO_Ant2_5550



11AC40SISO_Ant1_5670



11AC40SISO_Ant2_5670



11AC40SISO_Ant1_5755



11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795



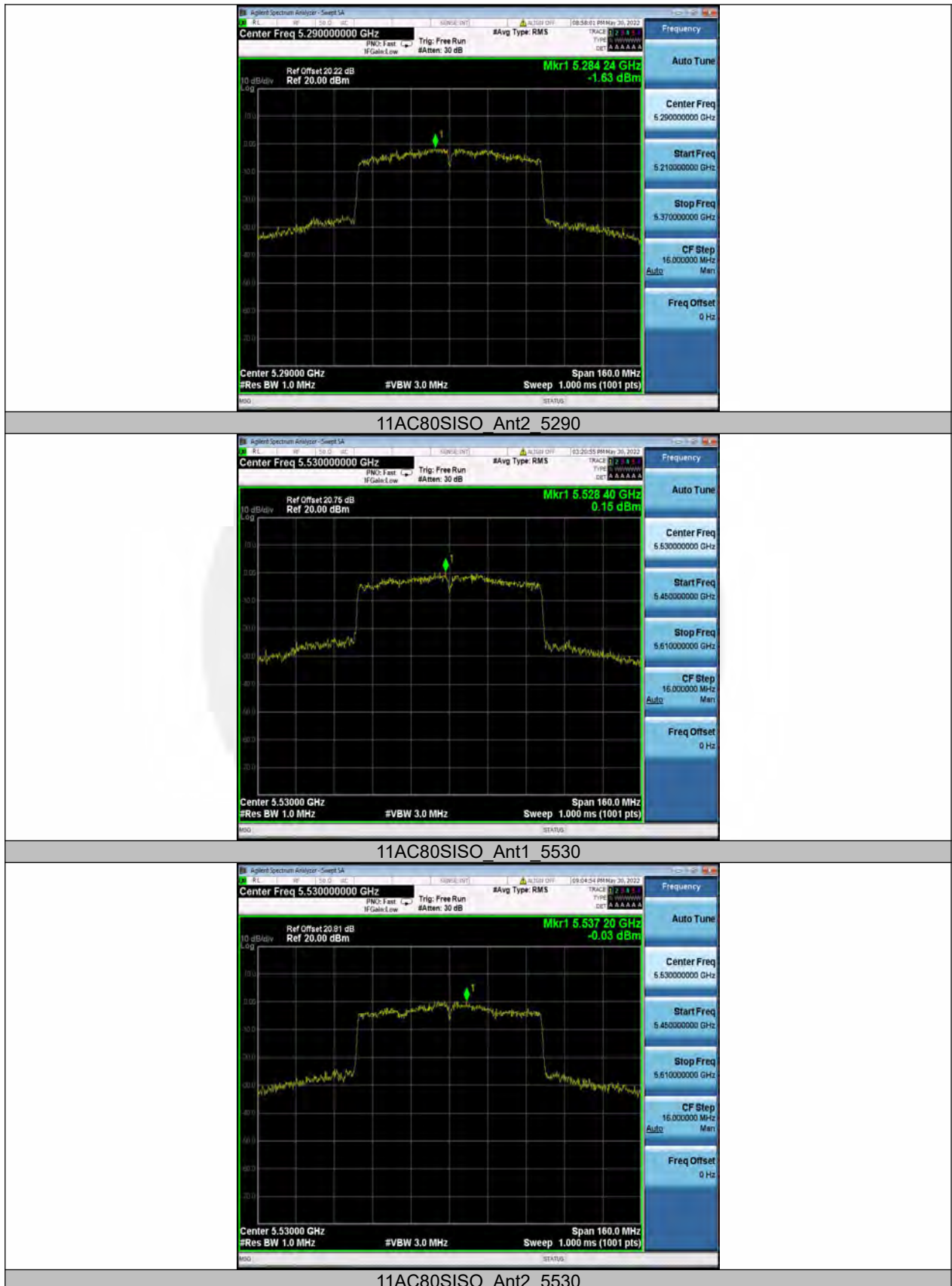
11AC80SISO_Ant1_5210



11AC80SISO_Ant2_5210



11AC80SISO_Ant1_5290





11AC80SISO_Ant1_5610



11AC80SISO_Ant2_5610



11AC80SISO_Ant1_5775



8.4 FREQUENCY STABILITY

8.4.1 Applicable Standard

According to FCC Part 15.407(g)
ANSI C63.10 Section 6.8

8.4.2 Conformance Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

8.4.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.4.4 Test Procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 10 kHz.

Set Span= Entire absence of modulation emissions band

Set the video bandwidth (VBW) =30 kHz. width

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

Beginning at each temperature level specified in user manual , the frequency shall be measured within one minute after application of primary power to the transmitter and at intervals of no more than one minute thereafter until ten minutes have elapsed or until sufficient measurements are obtained to indicate clearly that the frequency has stabilized within the applicable tolerance, whichever time period is greater. During each test, the ambient temperature shall not be allowed to rise more than 10° centigrade above the respective beginning ambient temperature level

Measure and record the results in the test report.

8.4.5 Test Results

Voltage								
TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	20000.00	3.861004	20	PASS
			LV	NT	60000.00	11.583012	20	PASS
			HV	NT	40000.00	7.722008	20	PASS
	Ant2	5180	NV	NT	80000.00	15.444015	20	PASS
			LV	NT	80000.00	15.444015	20	PASS
			HV	NT	80000.00	15.444015	20	PASS
	Ant1	5220	NV	NT	100000.00	19.157088	20	PASS
			LV	NT	100000.00	19.157088	20	PASS
			HV	NT	120000.00	18.988506	20	PASS
	Ant2	5220	NV	NT	100000.00	19.157088	20	PASS
			LV	NT	100000.00	19.157088	20	PASS
			HV	NT	100000.00	19.157088	20	PASS
	Ant1	5240	NV	NT	120000.00	18.900763	20	PASS
			LV	NT	120000.00	18.900763	20	PASS
			HV	NT	120000.00	18.900763	20	PASS
	Ant2	5240	NV	NT	80000.00	15.267176	20	PASS
			LV	NT	100000.00	19.083969	20	PASS
			HV	NT	100000.00	19.083969	20	PASS
	Ant1	5260	NV	NT	20000.00	3.802281	20	PASS
			LV	NT	20000.00	3.802281	20	PASS
			HV	NT	40000.00	7.604563	20	PASS
	Ant2	5260	NV	NT	40000.00	7.604563	20	PASS
			LV	NT	80000.00	15.209125	20	PASS
			HV	NT	100000.00	19.011407	20	PASS
	Ant1	5300	NV	NT	100000.00	18.867925	20	PASS
			LV	NT	120000.00	18.641509	20	PASS
			HV	NT	120000.00	19.641509	20	PASS
	Ant2	5300	NV	NT	240000.00	18.283019	20	PASS
			LV	NT	240000.00	18.283019	20	PASS
			HV	NT	260000.00	18.056604	20	PASS
	Ant1	5320	NV	NT	120000.00	18.556391	20	PASS
			LV	NT	120000.00	18.556391	20	PASS
			HV	NT	120000.00	18.556391	20	PASS
	Ant2	5320	NV	NT	240000.00	18.112782	20	PASS
			LV	NT	240000.00	18.112782	20	PASS
			HV	NT	240000.00	18.112782	20	PASS
	Ant1	5500	NV	NT	140000.00	18.454545	20	PASS
			LV	NT	180000.00	18.727273	20	PASS
			HV	NT	180000.00	18.727273	20	PASS
	Ant2	5500	NV	NT	220000.00	19.000000	20	PASS
			LV	NT	220000.00	19.000000	20	PASS
			HV	NT	220000.00	19.000000	20	PASS
	Ant1	5580	NV	NT	120000.00	17.505376	20	PASS
			LV	NT	140000.00	17.089606	20	PASS
			HV	NT	160000.00	17.673835	20	PASS
	Ant2	5580	NV	NT	200000.00	17.842294	20	PASS
			LV	NT	240000.00	17.010753	20	PASS
			HV	NT	240000.00	17.010753	20	PASS
	Ant1	5700	NV	NT	240000.00	17.105263	20	PASS
			LV	NT	260000.00	19.614035	20	PASS

	Ant2	5700	HV	NT	260000.00	18.614035	20	PASS
			NV	NT	280000.00	15.122807	20	PASS
			LV	NT	280000.00	16.122807	20	PASS
			HV	NT	300000.00	18.631579	20	PASS
	Ant1	5745	NV	NT	280000.00	18.738033	20	PASS
			LV	NT	300000.00	17.219321	20	PASS
			HV	NT	300000.00	18.219321	20	PASS
	Ant2	5745	NV	NT	220000.00	19.294169	20	PASS
			LV	NT	240000.00	16.775457	20	PASS
			HV	NT	260000.00	18.256745	20	PASS
	Ant1	5785	NV	NT	400000.00	8.144339	20	PASS
			LV	NT	400000.00	10.144339	20	PASS
			HV	NT	420000.00	15.601556	20	PASS
	Ant2	5785	NV	NT	340000.00	3.772688	20	PASS
			LV	NT	340000.00	7.772688	20	PASS
			HV	NT	340000.00	18.772688	20	PASS
	Ant1	5825	NV	NT	440000.00	15.536481	20	PASS
			LV	NT	440000.00	14.536481	20	PASS
			HV	NT	420000.00	16.103004	20	PASS
	Ant2	5825	NV	NT	380000.00	15.236052	20	PASS
			LV	NT	380000.00	18.236052	20	PASS
			HV	NT	380000.00	19.236052	20	PASS
11N20SISO	Ant1	5180	NV	NT	20000.00	3.861004	20	PASS
			LV	NT	40000.00	7.722008	20	PASS
			HV	NT	20000.00	3.861004	20	PASS
	Ant2	5180	NV	NT	60000.00	11.583012	20	PASS
			LV	NT	60000.00	11.583012	20	PASS
			HV	NT	80000.00	15.444015	20	PASS
	Ant1	5220	NV	NT	100000.00	19.157088	20	PASS
			LV	NT	80000.00	15.325670	20	PASS
			HV	NT	60000.00	11.494253	20	PASS
	Ant2	5220	NV	NT	100000.00	19.157088	20	PASS
			LV	NT	100000.00	19.157088	20	PASS
			HV	NT	80000.00	15.325670	20	PASS
	Ant1	5240	NV	NT	80000.00	15.267176	20	PASS
			LV	NT	80000.00	15.267176	20	PASS
			HV	NT	80000.00	15.267176	20	PASS
	Ant2	5240	NV	NT	80000.00	15.267176	20	PASS
			LV	NT	80000.00	15.267176	20	PASS
			HV	NT	80000.00	15.267176	20	PASS
	Ant1	5260	NV	NT	80000.00	15.209125	20	PASS
			LV	NT	100000.00	19.011407	20	PASS
			HV	NT	80000.00	15.209125	20	PASS
	Ant2	5260	NV	NT	240000.00	15.627376	20	PASS
			LV	NT	240000.00	18.627376	20	PASS
			HV	NT	200000.00	17.022814	20	PASS
	Ant1	5300	NV	NT	80000.00	15.094340	20	PASS
			LV	NT	60000.00	11.320755	20	PASS
			HV	NT	80000.00	15.094340	20	PASS
	Ant2	5300	NV	NT	220000.00	13.509434	20	PASS
			LV	NT	200000.00	36.735849	20	PASS
			HV	NT	220000.00	8.509434	20	PASS
	Ant1	5320	NV	NT	80000.00	15.037594	20	PASS
			LV	NT	100000.00	18.796992	20	PASS
			HV	NT	60000.00	11.278195	20	PASS

11N40SISO	Ant2	5320	NV	NT	220000.00	17.353383	20	PASS
			LV	NT	220000.00	15.353383	20	PASS
			HV	NT	200000.00	18.593985	20	PASS
	Ant1	5500	NV	NT	120000.00	19.818182	20	PASS
			LV	NT	140000.00	17.454545	20	PASS
			HV	NT	120000.00	5.818182	20	PASS
	Ant2	5500	NV	NT	180000.00	7.727273	20	PASS
			LV	NT	160000.00	18.090909	20	PASS
			HV	NT	180000.00	15.727273	20	PASS
	Ant1	5580	NV	NT	180000.00	14.258065	20	PASS
			LV	NT	140000.00	11.089606	20	PASS
			HV	NT	180000.00	18.258065	20	PASS
	Ant2	5580	NV	NT	160000.00	18.673835	20	PASS
			LV	NT	160000.00	17.673835	20	PASS
			HV	NT	180000.00	16.258065	20	PASS
	Ant1	5700	NV	NT	200000.00	19.087719	20	PASS
			LV	NT	200000.00	19.087719	20	PASS
			HV	NT	200000.00	8.087719	20	PASS
	Ant2	5700	NV	NT	160000.00	14.070175	20	PASS
			LV	NT	180000.00	7.578947	20	PASS
			HV	NT	200000.00	14.087719	20	PASS
	Ant1	5745	NV	NT	220000.00	12.294169	20	PASS
			LV	NT	240000.00	15.775457	20	PASS
			HV	NT	260000.00	17.256745	20	PASS
	Ant2	5745	NV	NT	160000.00	19.850305	20	PASS
			LV	NT	160000.00	15.850305	20	PASS
			HV	NT	180000.00	12.331593	20	PASS
	Ant1	5785	NV	NT	340000.00	14.772688	20	PASS
			LV	NT	360000.00	6.229905	20	PASS
			HV	NT	340000.00	5.772688	20	PASS
	Ant2	5785	NV	NT	20000.00	3.457217	20	PASS
			LV	NT	60000.00	10.371651	20	PASS
			HV	NT	80000.00	13.828868	20	PASS
	Ant1	5825	NV	NT	360000.00	18.802575	20	PASS
			LV	NT	380000.00	5.236052	20	PASS
			HV	NT	380000.00	5.236052	20	PASS
	Ant2	5825	NV	NT	240000.00	4.201717	20	PASS
			LV	NT	240000.00	4.201717	20	PASS
			HV	NT	260000.00	4.635193	20	PASS
	Ant1	5190	NV	NT	160000.00	3.828516	20	PASS
			LV	NT	80000.00	15.414258	20	PASS
			HV	NT	160000.00	3.828516	20	PASS
	Ant2	5190	NV	NT	80000.00	7.828516	20	PASS
			LV	NT	80000.00	15.414258	20	PASS
			HV	NT	40000.00	7.707129	20	PASS
	Ant1	5230	NV	NT	80000.00	15.296367	20	PASS
			LV	NT	80000.00	15.296367	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
	Ant2	5230	NV	NT	80000.00	17.648184	20	PASS
			LV	NT	40000.00	7.648184	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
	Ant1	5270	NV	NT	80000.00	15.180266	20	PASS
			LV	NT	80000.00	15.180266	20	PASS
			HV	NT	120000.00	12.770398	20	PASS
	Ant2	5270	NV	NT	200000.00	7.950664	20	PASS

11AC20SISO	Ant1	5310	LV	NT	200000.00	7.950664	20	PASS
			HV	NT	200000.00	7.950664	20	PASS
			NV	NT	40000.00	7.532957	20	PASS
	Ant2	5310	LV	NT	80000.00	15.065913	20	PASS
			HV	NT	80000.00	15.065913	20	PASS
			NV	NT	160000.00	3.131827	20	PASS
	Ant1	5510	LV	NT	160000.00	30.131827	20	PASS
			HV	NT	200000.00	7.664783	20	PASS
			NV	NT	80000.00	14.519056	20	PASS
	Ant2	5510	LV	NT	80000.00	14.519056	20	PASS
			HV	NT	80000.00	14.519056	20	PASS
			NV	NT	120000.00	2.778584	20	PASS
	Ant1	5550	LV	NT	80000.00	14.519056	20	PASS
			HV	NT	120000.00	2.778584	20	PASS
			NV	NT	80000.00	14.414414	20	PASS
	Ant2	5550	LV	NT	120000.00	2.621622	20	PASS
			HV	NT	120000.00	2.621622	20	PASS
			NV	NT	160000.00	2.828829	20	PASS
	Ant1	5670	LV	NT	160000.00	8.828829	20	PASS
			HV	NT	160000.00	8.828829	20	PASS
			NV	NT	160000.00	8.828829	20	PASS
	Ant2	5670	LV	NT	200000.00	5.273369	20	PASS
			HV	NT	200000.00	5.273369	20	PASS
			NV	NT	160000.00	8.218695	20	PASS
	Ant1	5755	LV	NT	200000.00	5.273369	20	PASS
			HV	NT	240000.00	4.328042	20	PASS
			NV	NT	200000.00	3.752389	20	PASS
	Ant2	5755	LV	NT	200000.00	3.752389	20	PASS
			HV	NT	160000.00	2.801911	20	PASS
			NV	NT	120000.00	2.851434	20	PASS
	Ant1	5795	LV	NT	160000.00	7.801911	20	PASS
			HV	NT	160000.00	7.801911	20	PASS
			NV	NT	320000.00	5.220017	20	PASS
	Ant2	5795	LV	NT	320000.00	5.220017	20	PASS
			HV	NT	360000.00	6.122519	20	PASS
			NV	NT	200000.00	4.512511	20	PASS
	Ant1	5180	LV	NT	200000.00	4.512511	20	PASS
			HV	NT	240000.00	41.415013	20	PASS
			NV	NT	80000.00	15.444015	20	PASS
	Ant2	5180	LV	NT	80000.00	15.444015	20	PASS
			HV	NT	60000.00	11.583012	20	PASS
			NV	NT	40000.00	7.722008	20	PASS
	Ant1	5220	LV	NT	80000.00	15.444015	20	PASS
			HV	NT	40000.00	7.722008	20	PASS
			NV	NT	80000.00	15.325670	20	PASS
	Ant2	5220	LV	NT	100000.00	19.157088	20	PASS
			HV	NT	60000.00	11.494253	20	PASS
			NV	NT	40000.00	7.662835	20	PASS
	Ant1	5240	LV	NT	60000.00	11.494253	20	PASS
			HV	NT	100000.00	19.157088	20	PASS
			NV	NT	0.00	0.000000	20	PASS
	Ant2	5240	LV	NT	20000.00	3.816794	20	PASS
			HV	NT	20000.00	3.816794	20	PASS
			NV	NT	40000.00	7.633588	20	PASS
	Ant1	5310	LV	NT	40000.00	7.633588	20	PASS
			HV	NT	40000.00	7.633588	20	PASS
			NV	NT	40000.00	7.633588	20	PASS

	Ant1	5260	HV	NT	40000.00	7.633588	20	PASS
			NV	NT	40000.00	7.633588	20	PASS
			LV	NT	40000.00	7.633588	20	PASS
			HV	NT	40000.00	7.633588	20	PASS
	Ant2	5260	NV	NT	180000.00	3.220532	20	PASS
			LV	NT	160000.00	3.418251	20	PASS
			HV	NT	180000.00	3.220532	20	PASS
	Ant1	5300	NV	NT	80000.00	15.094340	20	PASS
			LV	NT	100000.00	18.867925	20	PASS
			HV	NT	80000.00	15.094340	20	PASS
	Ant2	5300	NV	NT	180000.00	3.962264	20	PASS
			LV	NT	200000.00	3.735849	20	PASS
			HV	NT	260000.00	4.056604	20	PASS
	Ant1	5320	NV	NT	100000.00	18.796992	20	PASS
			LV	NT	120000.00	2.556391	20	PASS
			HV	NT	120000.00	2.556391	20	PASS
	Ant2	5320	NV	NT	160000.00	3.075188	20	PASS
			LV	NT	180000.00	3.834586	20	PASS
			HV	NT	200000.00	7.593985	20	PASS
	Ant1	5500	NV	NT	140000.00	5.454545	20	PASS
			LV	NT	160000.00	9.090909	20	PASS
			HV	NT	140000.00	5.454545	20	PASS
	Ant2	5500	NV	NT	160000.00	2.090909	20	PASS
			LV	NT	180000.00	3.727273	20	PASS
			HV	NT	160000.00	2.090909	20	PASS
	Ant1	5580	NV	NT	260000.00	4.594982	20	PASS
			LV	NT	220000.00	3.426523	20	PASS
			HV	NT	260000.00	4.594982	20	PASS
	Ant2	5580	NV	NT	20000.00	3.584229	20	PASS
			LV	NT	20000.00	3.584229	20	PASS
			HV	NT	40000.00	7.168459	20	PASS
	Ant1	5700	NV	NT	280000.00	9.122807	20	PASS
			LV	NT	280000.00	9.122807	20	PASS
			HV	NT	280000.00	9.122807	20	PASS
	Ant2	5700	NV	NT	160000.00	8.070175	20	PASS
			LV	NT	180000.00	3.578947	20	PASS
HV			NT	180000.00	3.578947	20	PASS	
Ant1	5745	NV	NT	120000.00	2.887728	20	PASS	
		LV	NT	140000.00	4.369017	20	PASS	
		HV	NT	160000.00	7.850305	20	PASS	
Ant2	5745	NV	NT	100000.00	7.406440	20	PASS	
		LV	NT	80000.00	13.925152	20	PASS	
		HV	NT	100000.00	17.406440	20	PASS	
Ant1	5785	NV	NT	260000.00	4.943820	20	PASS	
		LV	NT	260000.00	4.943820	20	PASS	
		HV	NT	260000.00	4.943820	20	PASS	
Ant2	5785	NV	NT	160000.00	7.657736	20	PASS	
		LV	NT	180000.00	3.114952	20	PASS	
		HV	NT	180000.00	3.114952	20	PASS	
Ant1	5825	NV	NT	280000.00	4.068670	20	PASS	
		LV	NT	300000.00	5.502146	20	PASS	
		HV	NT	300000.00	5.502146	20	PASS	
Ant2	5825	NV	NT	220000.00	3.768240	20	PASS	
		LV	NT	200000.00	3.334764	20	PASS	
		HV	NT	220000.00	3.768240	20	PASS	

11AC40SISO	Ant1	5190	NV	NT	80000.00	15.414258	20	PASS
			LV	NT	80000.00	15.414258	20	PASS
			HV	NT	40000.00	7.707129	20	PASS
	Ant2	5190	NV	NT	40000.00	7.707129	20	PASS
			LV	NT	40000.00	7.707129	20	PASS
			HV	NT	40000.00	7.707129	20	PASS
	Ant1	5230	NV	NT	40000.00	7.648184	20	PASS
			LV	NT	80000.00	15.296367	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
	Ant2	5230	NV	NT	80000.00	7.648184	20	PASS
			LV	NT	80000.00	15.296367	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
	Ant1	5270	NV	NT	160000.00	3.360531	20	PASS
			LV	NT	120000.00	2.770398	20	PASS
			HV	NT	120000.00	2.770398	20	PASS
	Ant2	5270	NV	NT	160000.00	3.360531	20	PASS
			LV	NT	160000.00	3.360531	20	PASS
			HV	NT	200000.00	7.950664	20	PASS
	Ant1	5310	NV	NT	120000.00	2.598870	20	PASS
			LV	NT	120000.00	2.598870	20	PASS
			HV	NT	160000.00	3.131827	20	PASS
	Ant2	5310	NV	NT	200000.00	7.664783	20	PASS
			LV	NT	200000.00	7.664783	20	PASS
			HV	NT	160000.00	3.131827	20	PASS
	Ant1	5510	NV	NT	120000.00	2.778584	20	PASS
			LV	NT	120000.00	2.778584	20	PASS
			HV	NT	120000.00	2.778584	20	PASS
	Ant2	5510	NV	NT	80000.00	14.519056	20	PASS
			LV	NT	120000.00	1.778584	20	PASS
			HV	NT	160000.00	9.038113	20	PASS
	Ant1	5550	NV	NT	160000.00	8.828829	20	PASS
			LV	NT	160000.00	8.828829	20	PASS
			HV	NT	200000.00	6.036036	20	PASS
	Ant2	5550	NV	NT	120000.00	1.621622	20	PASS
			LV	NT	160000.00	8.828829	20	PASS
			HV	NT	160000.00	8.828829	20	PASS
	Ant1	5670	NV	NT	320000.00	5.437390	20	PASS
			LV	NT	240000.00	4.328042	20	PASS
			HV	NT	320000.00	5.437390	20	PASS
	Ant2	5670	NV	NT	120000.00	2.164021	20	PASS
			LV	NT	160000.00	8.218695	20	PASS
			HV	NT	200000.00	5.273369	20	PASS
	Ant1	5755	NV	NT	160000.00	7.801911	20	PASS
			LV	NT	160000.00	7.801911	20	PASS
			HV	NT	160000.00	7.801911	20	PASS
	Ant2	5755	NV	NT	160000.00	7.801911	20	PASS
			LV	NT	200000.00	3.752389	20	PASS
			HV	NT	240000.00	4.702867	20	PASS
	Ant1	5795	NV	NT	200000.00	3.512511	20	PASS
			LV	NT	200000.00	3.512511	20	PASS
			HV	NT	160000.00	2.610009	20	PASS
	Ant2	5795	NV	NT	320000.00	5.220017	20	PASS
			LV	NT	360000.00	6.122519	20	PASS
			HV	NT	320000.00	5.220017	20	PASS
11AC80SISO	Ant1	5210	NV	NT	80000.00	15.355086	20	PASS

			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
Ant2	5210		NV	NT	80000.00	15.355086	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
			NV	NT	160000.00	3.245747	20	PASS
Ant1	5290		LV	NT	160000.00	3.245747	20	PASS
			HV	NT	160000.00	3.245747	20	PASS
			NV	NT	80000.00	15.122873	20	PASS
			LV	NT	160000.00	3.245747	20	PASS
Ant2	5290		HV	NT	320000.00	6.491493	20	PASS
			NV	NT	160000.00	8.933092	20	PASS
			LV	NT	160000.00	8.933092	20	PASS
			HV	NT	160000.00	8.933092	20	PASS
Ant1	5530		NV	NT	160000.00	8.933092	20	PASS
			LV	NT	240000.00	4.399638	20	PASS
			HV	NT	160000.00	8.933092	20	PASS
			NV	NT	160000.00	8.933092	20	PASS
Ant2	5530		LV	NT	240000.00	4.399638	20	PASS
			HV	NT	160000.00	8.933092	20	PASS
			NV	NT	240000.00	4.780749	20	PASS
			LV	NT	240000.00	4.780749	20	PASS
Ant1	5610		HV	NT	240000.00	4.780749	20	PASS
			NV	NT	160000.00	8.520499	20	PASS
			LV	NT	160000.00	8.520499	20	PASS
			HV	NT	80000.00	14.260250	20	PASS
Ant2	5610		NV	NT	80000.00	13.852814	20	PASS
			LV	NT	160000.00	2.705628	20	PASS
			HV	NT	160000.00	2.705628	20	PASS
			NV	NT	240000.00	4.558442	20	PASS
Ant1	5775		LV	NT	240000.00	4.558442	20	PASS
			HV	NT	80000.00	13.852814	20	PASS
			NV	NT	240000.00	4.558442	20	PASS
			LV	NT	240000.00	4.558442	20	PASS
Ant2	5775		HV	NT	80000.00	13.852814	20	PASS

Temperature								
TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	20000.00	3.861004	20	PASS
			NV	-20	60000.00	11.583012	20	PASS
			NV	-10	80000.00	15.444015	20	PASS
			NV	0	100000.00	19.305019	20	PASS
			NV	10	80000.00	15.444015	20	PASS
			NV	20	80000.00	15.444015	20	PASS
			NV	30	80000.00	15.444015	20	PASS
			NV	40	100000.00	19.305019	20	PASS
			NV	50	100000.00	19.305019	20	PASS
	Ant2	5180	NV	-30	80000.00	15.444015	20	PASS
			NV	-20	80000.00	15.444015	20	PASS
			NV	-10	100000.00	19.305019	20	PASS
			NV	0	100000.00	19.305019	20	PASS
			NV	10	100000.00	19.305019	20	PASS
			NV	20	100000.00	19.305019	20	PASS
			NV	30	100000.00	19.305019	20	PASS
			NV	40	100000.00	19.305019	20	PASS
			NV	50	100000.00	19.305019	20	PASS
	Ant1	5220	NV	-30	100000.00	19.157088	20	PASS
			NV	-20	100000.00	19.157088	20	PASS
			NV	-10	100000.00	19.157088	20	PASS
			NV	0	120000.00	2.988506	20	PASS
			NV	10	100000.00	19.157088	20	PASS
			NV	20	100000.00	19.157088	20	PASS
			NV	30	120000.00	2.988506	20	PASS
			NV	40	120000.00	2.988506	20	PASS
			NV	50	120000.00	2.988506	20	PASS
	Ant2	5220	NV	-30	100000.00	19.157088	20	PASS
			NV	-20	80000.00	15.325670	20	PASS
			NV	-10	80000.00	15.325670	20	PASS
			NV	0	80000.00	15.325670	20	PASS
			NV	10	100000.00	19.157088	20	PASS
			NV	20	80000.00	15.325670	20	PASS
			NV	30	100000.00	19.157088	20	PASS
			NV	40	100000.00	19.157088	20	PASS
			NV	50	100000.00	19.157088	20	PASS
	Ant1	5240	NV	-30	120000.00	2.900763	20	PASS
			NV	-20	120000.00	2.900763	20	PASS
			NV	-10	120000.00	2.900763	20	PASS
			NV	0	120000.00	2.900763	20	PASS
			NV	10	120000.00	2.900763	20	PASS
			NV	20	120000.00	2.900763	20	PASS
			NV	30	140000.00	6.717557	20	PASS
			NV	40	140000.00	6.717557	20	PASS
			NV	50	120000.00	2.900763	20	PASS
	Ant2	5240	NV	-30	100000.00	19.083969	20	PASS
			NV	-20	100000.00	19.083969	20	PASS
			NV	-10	100000.00	19.083969	20	PASS
			NV	0	100000.00	19.083969	20	PASS
			NV	10	120000.00	2.900763	20	PASS

			NV	20	100000.00	19.083969	20	PASS
			NV	30	80000.00	15.267176	20	PASS
			NV	40	80000.00	15.267176	20	PASS
			NV	50	100000.00	19.083969	20	PASS
Ant1	5260		NV	-30	40000.00	7.604563	20	PASS
			NV	-20	40000.00	7.604563	20	PASS
			NV	-10	40000.00	7.604563	20	PASS
			NV	0	80000.00	15.209125	20	PASS
			NV	10	80000.00	15.209125	20	PASS
			NV	20	60000.00	11.406844	20	PASS
			NV	30	80000.00	15.209125	20	PASS
			NV	40	80000.00	15.209125	20	PASS
			NV	50	80000.00	15.209125	20	PASS
Ant2	5260		NV	-30	100000.00	19.011407	20	PASS
			NV	-20	120000.00	2.813688	20	PASS
			NV	-10	140000.00	6.615970	20	PASS
			NV	0	140000.00	6.615970	20	PASS
			NV	10	180000.00	4.220532	20	PASS
			NV	20	160000.00	0.418251	20	PASS
			NV	30	200000.00	8.022814	20	PASS
			NV	40	200000.00	8.022814	20	PASS
			NV	50	200000.00	8.022814	20	PASS
Ant1	5300		NV	-30	100000.00	18.867925	20	PASS
			NV	-20	120000.00	2.641509	20	PASS
			NV	-10	100000.00	18.867925	20	PASS
			NV	0	100000.00	18.867925	20	PASS
			NV	10	120000.00	2.641509	20	PASS
			NV	20	120000.00	2.641509	20	PASS
			NV	30	120000.00	2.641509	20	PASS
			NV	40	120000.00	2.641509	20	PASS
			NV	50	120000.00	2.641509	20	PASS
Ant2	5300		NV	-30	240000.00	5.283019	20	PASS
			NV	-20	240000.00	5.283019	20	PASS
			NV	-10	240000.00	5.283019	20	PASS
			NV	0	260000.00	9.056604	20	PASS
			NV	10	260000.00	9.056604	20	PASS
			NV	20	260000.00	9.056604	20	PASS
			NV	30	280000.00	2.830189	20	PASS
			NV	40	260000.00	9.056604	20	PASS
			NV	50	260000.00	9.056604	20	PASS
Ant1	5320		NV	-30	100000.00	18.796992	20	PASS
			NV	-20	120000.00	2.556391	20	PASS
			NV	-10	120000.00	2.556391	20	PASS
			NV	0	120000.00	2.556391	20	PASS
			NV	10	120000.00	2.556391	20	PASS
			NV	20	120000.00	2.556391	20	PASS
			NV	30	120000.00	2.556391	20	PASS
			NV	40	120000.00	2.556391	20	PASS
			NV	50	140000.00	6.315789	20	PASS
Ant2	5320		NV	-30	260000.00	8.872180	20	PASS
			NV	-20	240000.00	5.112782	20	PASS
			NV	-10	240000.00	5.112782	20	PASS
			NV	0	240000.00	5.112782	20	PASS
			NV	10	260000.00	8.872180	20	PASS
			NV	20	260000.00	8.872180	20	PASS

			NV	30	260000.00	8.872180	20	PASS
			NV	40	260000.00	8.872180	20	PASS
			NV	50	240000.00	5.112782	20	PASS
			NV	-30	200000.00	3.363636	20	PASS
Ant1	5500		NV	-20	200000.00	3.363636	20	PASS
			NV	-10	180000.00	3.727273	20	PASS
			NV	0	180000.00	3.727273	20	PASS
			NV	10	160000.00	2.090909	20	PASS
			NV	20	180000.00	3.727273	20	PASS
			NV	30	180000.00	3.727273	20	PASS
			NV	40	200000.00	3.363636	20	PASS
			NV	50	200000.00	3.363636	20	PASS
			NV	-30	220000.00	4.000000	20	PASS
			NV	-20	240000.00	4.636364	20	PASS
			NV	-10	220000.00	4.000000	20	PASS
			NV	0	240000.00	4.636364	20	PASS
Ant2	5500		NV	10	240000.00	4.636364	20	PASS
			NV	20	260000.00	4.272727	20	PASS
			NV	30	240000.00	4.636364	20	PASS
			NV	40	240000.00	4.636364	20	PASS
			NV	50	240000.00	4.636364	20	PASS
Ant1	5580		NV	-30	180000.00	3.258065	20	PASS
			NV	-20	200000.00	3.842294	20	PASS
			NV	-10	220000.00	3.426523	20	PASS
			NV	0	200000.00	3.842294	20	PASS
			NV	10	240000.00	4.010753	20	PASS
			NV	20	240000.00	4.010753	20	PASS
			NV	30	260000.00	4.594982	20	PASS
			NV	40	280000.00	5.179211	20	PASS
			NV	50	260000.00	4.594982	20	PASS
			NV	-30	240000.00	4.010753	20	PASS
			NV	-20	280000.00	5.179211	20	PASS
			NV	-10	260000.00	4.594982	20	PASS
Ant2	5580		NV	0	280000.00	5.179211	20	PASS
			NV	10	280000.00	5.179211	20	PASS
			NV	20	280000.00	5.179211	20	PASS
			NV	30	260000.00	4.594982	20	PASS
			NV	40	280000.00	5.179211	20	PASS
			NV	50	280000.00	5.179211	20	PASS
Ant1	5700		NV	-30	260000.00	4.614035	20	PASS
			NV	-20	260000.00	4.614035	20	PASS
			NV	-10	260000.00	4.614035	20	PASS
			NV	0	260000.00	4.614035	20	PASS
			NV	10	280000.00	4.122807	20	PASS
			NV	20	240000.00	4.105263	20	PASS
			NV	30	280000.00	9.122807	20	PASS
			NV	40	260000.00	4.614035	20	PASS
			NV	50	260000.00	4.614035	20	PASS
			NV	-30	300000.00	5.631579	20	PASS
			NV	-20	280000.00	4.122807	20	PASS
			NV	-10	280000.00	4.122807	20	PASS
Ant2	5700		NV	0	300000.00	5.631579	20	PASS
			NV	10	280000.00	4.122807	20	PASS
			NV	20	300000.00	5.631579	20	PASS
			NV	30	320000.00	5.140351	20	PASS
			NV	40	320000.00	5.140351	20	PASS
			NV	50	320000.00	5.140351	20	PASS

			NV	40	340000.00	5.649123	20	PASS
			NV	50	320000.00	5.140351	20	PASS
	Ant1	5745	NV	-30	340000.00	5.181897	20	PASS
			NV	-20	360000.00	6.663185	20	PASS
			NV	-10	340000.00	5.181897	20	PASS
			NV	0	360000.00	6.663185	20	PASS
			NV	10	380000.00	6.144473	20	PASS
			NV	20	380000.00	6.144473	20	PASS
			NV	30	380000.00	6.144473	20	PASS
			NV	40	400000.00	6.625762	20	PASS
			NV	50	380000.00	6.144473	20	PASS
	Ant2	5745	NV	-30	260000.00	4.256745	20	PASS
			NV	-20	280000.00	4.738033	20	PASS
			NV	-10	280000.00	4.738033	20	PASS
			NV	0	300000.00	5.219321	20	PASS
			NV	10	300000.00	5.219321	20	PASS
			NV	20	300000.00	5.219321	20	PASS
			NV	30	320000.00	5.700609	20	PASS
			NV	40	320000.00	5.700609	20	PASS
			NV	50	320000.00	5.700609	20	PASS
	Ant1	5785	NV	-30	420000.00	7.601556	20	PASS
			NV	-20	420000.00	7.601556	20	PASS
			NV	-10	440000.00	7.058773	20	PASS
			NV	0	420000.00	7.601556	20	PASS
			NV	10	400000.00	6.144339	20	PASS
			NV	20	420000.00	7.601556	20	PASS
			NV	30	440000.00	7.058773	20	PASS
			NV	40	420000.00	7.601556	20	PASS
			NV	50	420000.00	7.601556	20	PASS
	Ant2	5785	NV	-30	360000.00	6.229905	20	PASS
			NV	-20	360000.00	6.229905	20	PASS
			NV	-10	340000.00	5.772688	20	PASS
			NV	0	360000.00	6.229905	20	PASS
			NV	10	360000.00	6.229905	20	PASS
			NV	20	340000.00	8.772688	20	PASS
			NV	30	360000.00	6.229905	20	PASS
			NV	40	340000.00	8.772688	20	PASS
			NV	50	360000.00	2.229905	20	PASS
	Ant1	5825	NV	-30	420000.00	2.103004	20	PASS
			NV	-20	440000.00	5.536481	20	PASS
			NV	-10	440000.00	5.536481	20	PASS
			NV	0	460000.00	8.969957	20	PASS
			NV	10	420000.00	2.103004	20	PASS
			NV	20	460000.00	8.969957	20	PASS
			NV	30	460000.00	8.969957	20	PASS
			NV	40	460000.00	8.969957	20	PASS
			NV	50	460000.00	8.969957	20	PASS
	Ant2	5825	NV	-30	380000.00	5.236052	20	PASS
			NV	-20	380000.00	5.236052	20	PASS
			NV	-10	400000.00	8.669528	20	PASS
			NV	0	380000.00	5.236052	20	PASS
			NV	10	380000.00	5.236052	20	PASS
			NV	20	380000.00	5.236052	20	PASS
			NV	30	400000.00	8.669528	20	PASS
			NV	40	380000.00	5.236052	20	PASS

11N20SISO	Ant1	5180	NV	50	380000.00	5.236052	20	PASS
			NV	-30	40000.00	7.722008	20	PASS
			NV	-20	20000.00	3.861004	20	PASS
			NV	-10	40000.00	7.722008	20	PASS
			NV	0	40000.00	7.722008	20	PASS
			NV	10	60000.00	11.583012	20	PASS
			NV	20	60000.00	11.583012	20	PASS
			NV	30	80000.00	15.444015	20	PASS
			NV	40	80000.00	15.444015	20	PASS
			NV	50	60000.00	11.583012	20	PASS
	Ant2	5180	NV	-30	60000.00	11.583012	20	PASS
			NV	-20	80000.00	15.444015	20	PASS
			NV	-10	100000.00	19.305019	20	PASS
			NV	0	80000.00	15.444015	20	PASS
			NV	10	60000.00	11.583012	20	PASS
			NV	20	80000.00	15.444015	20	PASS
			NV	30	100000.00	19.305019	20	PASS
			NV	40	80000.00	15.444015	20	PASS
			NV	50	100000.00	19.305019	20	PASS
	Ant1	5220	NV	-30	80000.00	15.325670	20	PASS
			NV	-20	80000.00	15.325670	20	PASS
			NV	-10	100000.00	19.157088	20	PASS
			NV	0	80000.00	15.325670	20	PASS
			NV	10	80000.00	15.325670	20	PASS
			NV	20	100000.00	19.157088	20	PASS
			NV	30	80000.00	15.325670	20	PASS
			NV	40	100000.00	19.157088	20	PASS
			NV	50	120000.00	2.988506	20	PASS
	Ant2	5220	NV	-30	80000.00	15.325670	20	PASS
			NV	-20	100000.00	19.157088	20	PASS
			NV	-10	80000.00	15.325670	20	PASS
			NV	0	100000.00	19.157088	20	PASS
			NV	10	80000.00	15.325670	20	PASS
			NV	20	60000.00	11.494253	20	PASS
			NV	30	100000.00	19.157088	20	PASS
			NV	40	60000.00	11.494253	20	PASS
			NV	50	80000.00	15.325670	20	PASS
	Ant1	5240	NV	-30	80000.00	15.267176	20	PASS
			NV	-20	80000.00	15.267176	20	PASS
			NV	-10	100000.00	19.083969	20	PASS
			NV	0	60000.00	11.450382	20	PASS
			NV	10	100000.00	19.083969	20	PASS
			NV	20	80000.00	15.267176	20	PASS
			NV	30	100000.00	19.083969	20	PASS
			NV	40	80000.00	15.267176	20	PASS
			NV	50	100000.00	19.083969	20	PASS
	Ant2	5240	NV	-30	80000.00	15.267176	20	PASS
			NV	-20	80000.00	15.267176	20	PASS
			NV	-10	100000.00	19.083969	20	PASS
			NV	0	80000.00	15.267176	20	PASS
			NV	10	100000.00	19.083969	20	PASS
			NV	20	120000.00	2.900763	20	PASS
			NV	30	100000.00	19.083969	20	PASS
			NV	40	100000.00	19.083969	20	PASS
			NV	50	100000.00	19.083969	20	PASS

	Ant1	5260	NV	-30	80000.00	15.209125	20	PASS
			NV	-20	100000.00	19.011407	20	PASS
			NV	-10	80000.00	15.209125	20	PASS
			NV	0	100000.00	19.011407	20	PASS
			NV	10	120000.00	2.813688	20	PASS
			NV	20	60000.00	11.406844	20	PASS
			NV	30	80000.00	15.209125	20	PASS
			NV	40	80000.00	15.209125	20	PASS
			NV	50	100000.00	19.011407	20	PASS
	Ant2	5260	NV	-30	240000.00	5.627376	20	PASS
			NV	-20	240000.00	5.627376	20	PASS
			NV	-10	220000.00	1.825095	20	PASS
			NV	0	240000.00	5.627376	20	PASS
			NV	10	260000.00	9.429658	20	PASS
			NV	20	220000.00	1.825095	20	PASS
			NV	30	260000.00	9.429658	20	PASS
			NV	40	240000.00	5.627376	20	PASS
			NV	50	240000.00	5.627376	20	PASS
	Ant1	5300	NV	-30	100000.00	18.867925	20	PASS
			NV	-20	80000.00	15.094340	20	PASS
			NV	-10	80000.00	15.094340	20	PASS
			NV	0	80000.00	15.094340	20	PASS
			NV	10	80000.00	15.094340	20	PASS
			NV	20	100000.00	18.867925	20	PASS
			NV	30	80000.00	15.094340	20	PASS
			NV	40	60000.00	11.320755	20	PASS
			NV	50	80000.00	15.094340	20	PASS
	Ant2	5300	NV	-30	200000.00	7.735849	20	PASS
			NV	-20	200000.00	7.735849	20	PASS
			NV	-10	240000.00	5.283019	20	PASS
			NV	0	240000.00	5.283019	20	PASS
			NV	10	240000.00	5.283019	20	PASS
			NV	20	220000.00	1.509434	20	PASS
			NV	30	220000.00	1.509434	20	PASS
			NV	40	240000.00	5.283019	20	PASS
			NV	50	260000.00	9.056604	20	PASS
	Ant1	5320	NV	-30	100000.00	18.796992	20	PASS
			NV	-20	80000.00	15.037594	20	PASS
			NV	-10	80000.00	15.037594	20	PASS
			NV	0	100000.00	18.796992	20	PASS
			NV	10	80000.00	15.037594	20	PASS
			NV	20	80000.00	15.037594	20	PASS
			NV	30	100000.00	18.796992	20	PASS
			NV	40	100000.00	18.796992	20	PASS
			NV	50	100000.00	18.796992	20	PASS
	Ant2	5320	NV	-30	240000.00	4.112782	20	PASS
			NV	-20	220000.00	4.353383	20	PASS
			NV	-10	240000.00	4.112782	20	PASS
			NV	0	240000.00	4.112782	20	PASS
			NV	10	240000.00	4.112782	20	PASS
			NV	20	220000.00	4.353383	20	PASS
			NV	30	240000.00	4.112782	20	PASS
			NV	40	220000.00	4.353383	20	PASS
			NV	50	200000.00	7.593985	20	PASS
	Ant1	5500	NV	-30	120000.00	2.818182	20	PASS

			NV	-20	120000.00	2.818182	20	PASS
			NV	-10	140000.00	2.454545	20	PASS
			NV	0	140000.00	2.454545	20	PASS
			NV	10	120000.00	2.818182	20	PASS
			NV	20	160000.00	2.090909	20	PASS
			NV	30	180000.00	3.727273	20	PASS
			NV	40	140000.00	2.454545	20	PASS
			NV	50	160000.00	2.090909	20	PASS
	Ant2	5500	NV	-30	180000.00	3.727273	20	PASS
			NV	-20	200000.00	3.363636	20	PASS
			NV	-10	200000.00	3.363636	20	PASS
			NV	0	220000.00	4.000000	20	PASS
			NV	10	220000.00	4.000000	20	PASS
			NV	20	200000.00	6.363636	20	PASS
			NV	30	220000.00	4.000000	20	PASS
			NV	40	180000.00	2.727273	20	PASS
	Ant1	5580	NV	50	200000.00	6.363636	20	PASS
			NV	-30	180000.00	2.258065	20	PASS
			NV	-20	180000.00	2.258065	20	PASS
			NV	-10	200000.00	5.842294	20	PASS
			NV	0	200000.00	5.842294	20	PASS
			NV	10	200000.00	5.842294	20	PASS
			NV	20	200000.00	5.842294	20	PASS
			NV	30	220000.00	9.426523	20	PASS
	Ant2	5580	NV	40	220000.00	9.426523	20	PASS
			NV	50	240000.00	3.010753	20	PASS
			NV	-30	200000.00	5.842294	20	PASS
			NV	-20	180000.00	2.258065	20	PASS
			NV	-10	200000.00	5.842294	20	PASS
			NV	0	220000.00	9.426523	20	PASS
			NV	10	180000.00	2.258065	20	PASS
			NV	20	220000.00	9.426523	20	PASS
	Ant1	5700	NV	30	220000.00	9.426523	20	PASS
			NV	40	200000.00	5.842294	20	PASS
			NV	50	200000.00	5.842294	20	PASS
			NV	-30	180000.00	3.578947	20	PASS
			NV	-20	200000.00	5.087719	20	PASS
			NV	-10	200000.00	5.087719	20	PASS
			NV	0	200000.00	5.087719	20	PASS
			NV	10	220000.00	8.596491	20	PASS
	Ant2	5700	NV	20	200000.00	5.087719	20	PASS
			NV	30	200000.00	3.087719	20	PASS
			NV	40	180000.00	3.578947	20	PASS
			NV	50	180000.00	3.578947	20	PASS
			NV	-30	200000.00	3.087719	20	PASS
			NV	-20	180000.00	3.578947	20	PASS
			NV	-10	220000.00	3.596491	20	PASS
			NV	0	200000.00	3.087719	20	PASS
	Ant1	5745	NV	10	220000.00	3.596491	20	PASS
			NV	20	180000.00	3.578947	20	PASS
			NV	30	180000.00	3.578947	20	PASS
			NV	40	200000.00	3.087719	20	PASS
			NV	50	200000.00	3.087719	20	PASS
			NV	-30	260000.00	4.256745	20	PASS
			NV	-20	260000.00	4.256745	20	PASS

			NV	-10	280000.00	4.738033	20	PASS
			NV	0	320000.00	5.700609	20	PASS
			NV	10	300000.00	5.219321	20	PASS
			NV	20	300000.00	5.219321	20	PASS
			NV	30	340000.00	5.181897	20	PASS
			NV	40	320000.00	5.700609	20	PASS
			NV	50	320000.00	5.700609	20	PASS
	Ant2	5745	NV	-30	200000.00	3.812881	20	PASS
			NV	-20	200000.00	3.812881	20	PASS
			NV	-10	240000.00	4.775457	20	PASS
			NV	0	260000.00	4.256745	20	PASS
			NV	10	220000.00	3.294169	20	PASS
			NV	20	240000.00	4.775457	20	PASS
			NV	30	260000.00	4.256745	20	PASS
			NV	40	280000.00	4.738033	20	PASS
			NV	50	260000.00	4.256745	20	PASS
	Ant1	5785	NV	-30	340000.00	5.772688	20	PASS
			NV	-20	360000.00	6.229905	20	PASS
			NV	-10	360000.00	6.229905	20	PASS
			NV	0	360000.00	2.229905	20	PASS
			NV	10	360000.00	2.229905	20	PASS
			NV	20	360000.00	2.229905	20	PASS
			NV	30	340000.00	8.772688	20	PASS
			NV	40	340000.00	8.772688	20	PASS
			NV	50	340000.00	8.772688	20	PASS
	Ant2	5785	NV	-30	140000.00	4.200519	20	PASS
			NV	-20	140000.00	4.200519	20	PASS
			NV	-10	160000.00	7.657736	20	PASS
			NV	0	160000.00	7.657736	20	PASS
			NV	10	180000.00	3.114952	20	PASS
			NV	20	200000.00	3.572169	20	PASS
			NV	30	200000.00	3.572169	20	PASS
			NV	40	200000.00	3.572169	20	PASS
			NV	50	220000.00	3.029386	20	PASS
	Ant1	5825	NV	-30	380000.00	6.236052	20	PASS
			NV	-20	340000.00	5.369099	20	PASS
			NV	-10	360000.00	6.802575	20	PASS
			NV	0	360000.00	6.802575	20	PASS
			NV	10	360000.00	6.802575	20	PASS
			NV	20	380000.00	6.236052	20	PASS
			NV	30	360000.00	6.802575	20	PASS
			NV	40	400000.00	6.669528	20	PASS
			NV	50	380000.00	6.236052	20	PASS
	Ant2	5825	NV	-30	240000.00	4.201717	20	PASS
			NV	-20	220000.00	3.768240	20	PASS
			NV	-10	260000.00	4.635193	20	PASS
			NV	0	240000.00	4.201717	20	PASS
			NV	10	240000.00	4.201717	20	PASS
			NV	20	240000.00	4.201717	20	PASS
			NV	30	260000.00	4.635193	20	PASS
			NV	40	260000.00	4.635193	20	PASS
			NV	50	240000.00	4.201717	20	PASS
11N40SISO	Ant1	5190	NV	-30	120000.00	2.121387	20	PASS
			NV	-20	80000.00	15.414258	20	PASS
			NV	-10	80000.00	15.414258	20	PASS

			NV	0	40000.00	7.707129	20	PASS
			NV	10	80000.00	15.414258	20	PASS
			NV	20	80000.00	15.414258	20	PASS
			NV	30	80000.00	15.414258	20	PASS
			NV	40	80000.00	15.414258	20	PASS
			NV	50	80000.00	15.414258	20	PASS
	Ant2	5190	NV	-30	80000.00	7.707129	20	PASS
			NV	-20	40000.00	7.707129	20	PASS
			NV	-10	40000.00	7.707129	20	PASS
			NV	0	40000.00	7.707129	20	PASS
			NV	10	80000.00	15.414258	20	PASS
			NV	20	40000.00	7.707129	20	PASS
			NV	30	40000.00	7.707129	20	PASS
			NV	40	40000.00	7.707129	20	PASS
			NV	50	40000.00	7.707129	20	PASS
	Ant1	5230	NV	-30	80000.00	15.296367	20	PASS
			NV	-20	80000.00	15.296367	20	PASS
			NV	-10	120000.00	22.944551	20	PASS
			NV	0	80000.00	15.296367	20	PASS
			NV	10	80000.00	15.296367	20	PASS
			NV	20	80000.00	15.296367	20	PASS
			NV	30	80000.00	15.296367	20	PASS
			NV	40	80000.00	15.296367	20	PASS
			NV	50	80000.00	15.296367	20	PASS
	Ant2	5230	NV	-30	40000.00	7.648184	20	PASS
			NV	-20	40000.00	7.648184	20	PASS
			NV	-10	40000.00	7.648184	20	PASS
			NV	0	40000.00	7.648184	20	PASS
			NV	10	40000.00	7.648184	20	PASS
			NV	20	80000.00	15.296367	20	PASS
			NV	30	80000.00	15.296367	20	PASS
			NV	40	80000.00	15.296367	20	PASS
			NV	50	40000.00	7.648184	20	PASS
	Ant1	5270	NV	-30	80000.00	15.180266	20	PASS
			NV	-20	80000.00	15.180266	20	PASS
			NV	-10	80000.00	15.180266	20	PASS
			NV	0	80000.00	15.180266	20	PASS
			NV	10	80000.00	15.180266	20	PASS
			NV	20	80000.00	15.180266	20	PASS
			NV	30	80000.00	15.180266	20	PASS
			NV	40	80000.00	15.180266	20	PASS
			NV	50	120000.00	2.770398	20	PASS
	Ant2	5270	NV	-30	200000.00	7.950664	20	PASS
			NV	-20	200000.00	7.950664	20	PASS
			NV	-10	240000.00	5.540797	20	PASS
			NV	0	200000.00	7.950664	20	PASS
			NV	10	240000.00	5.540797	20	PASS
			NV	20	160000.00	0.360531	20	PASS
			NV	30	200000.00	7.950664	20	PASS
			NV	40	240000.00	5.540797	20	PASS
			NV	50	200000.00	7.950664	20	PASS
	Ant1	5310	NV	-30	80000.00	15.065913	20	PASS
			NV	-20	40000.00	7.532957	20	PASS
			NV	-10	40000.00	7.532957	20	PASS
			NV	0	120000.00	2.598870	20	PASS

			NV	10	40000.00	7.532957	20	PASS
			NV	20	80000.00	15.065913	20	PASS
			NV	30	80000.00	15.065913	20	PASS
			NV	40	80000.00	15.065913	20	PASS
			NV	50	80000.00	15.065913	20	PASS
	Ant2	5310	NV	-30	160000.00	30.131827	20	PASS
			NV	-20	200000.00	7.664783	20	PASS
			NV	-10	200000.00	7.664783	20	PASS
			NV	0	200000.00	7.664783	20	PASS
			NV	10	200000.00	7.664783	20	PASS
			NV	20	200000.00	7.664783	20	PASS
			NV	30	200000.00	7.664783	20	PASS
			NV	40	200000.00	7.664783	20	PASS
			NV	50	200000.00	7.664783	20	PASS
	Ant1	5510	NV	-30	80000.00	14.519056	20	PASS
			NV	-20	80000.00	14.519056	20	PASS
			NV	-10	120000.00	1.778584	20	PASS
			NV	0	120000.00	1.778584	20	PASS
			NV	10	160000.00	9.038113	20	PASS
			NV	20	120000.00	1.778584	20	PASS
			NV	30	120000.00	1.778584	20	PASS
			NV	40	120000.00	1.778584	20	PASS
			NV	50	160000.00	9.038113	20	PASS
	Ant2	5510	NV	-30	120000.00	2.778584	20	PASS
			NV	-20	80000.00	14.519056	20	PASS
			NV	-10	120000.00	2.778584	20	PASS
			NV	0	80000.00	14.519056	20	PASS
			NV	10	80000.00	14.519056	20	PASS
			NV	20	120000.00	1.778584	20	PASS
			NV	30	120000.00	1.778584	20	PASS
			NV	40	160000.00	9.038113	20	PASS
			NV	50	120000.00	1.778584	20	PASS
	Ant1	5550	NV	-30	160000.00	8.828829	20	PASS
			NV	-20	120000.00	2.621622	20	PASS
			NV	-10	160000.00	8.828829	20	PASS
			NV	0	80000.00	14.414414	20	PASS
			NV	10	160000.00	8.828829	20	PASS
			NV	20	160000.00	8.828829	20	PASS
			NV	30	160000.00	8.828829	20	PASS
			NV	40	120000.00	1.621622	20	PASS
			NV	50	160000.00	8.828829	20	PASS
	Ant2	5550	NV	-30	160000.00	8.828829	20	PASS
			NV	-20	160000.00	8.828829	20	PASS
			NV	-10	200000.00	6.036036	20	PASS
			NV	0	200000.00	6.036036	20	PASS
			NV	10	200000.00	6.036036	20	PASS
			NV	20	200000.00	6.036036	20	PASS
			NV	30	200000.00	6.036036	20	PASS
			NV	40	200000.00	3.036036	20	PASS
			NV	50	200000.00	3.036036	20	PASS
	Ant1	5670	NV	-30	200000.00	3.273369	20	PASS
			NV	-20	200000.00	3.273369	20	PASS
			NV	-10	200000.00	3.273369	20	PASS
			NV	0	200000.00	3.273369	20	PASS
			NV	10	200000.00	3.273369	20	PASS

			NV	20	200000.00	3.273369	20	PASS
			NV	30	200000.00	3.273369	20	PASS
			NV	40	240000.00	4.328042	20	PASS
			NV	50	160000.00	2.218695	20	PASS
	Ant2	5670	NV	-30	200000.00	3.273369	20	PASS
			NV	-20	200000.00	3.273369	20	PASS
			NV	-10	160000.00	2.218695	20	PASS
			NV	0	200000.00	3.273369	20	PASS
			NV	10	200000.00	3.273369	20	PASS
			NV	20	200000.00	3.273369	20	PASS
			NV	30	240000.00	4.328042	20	PASS
			NV	40	240000.00	4.328042	20	PASS
			NV	50	240000.00	4.328042	20	PASS
			NV	-30	240000.00	4.702867	20	PASS
			NV	-20	280000.00	4.653345	20	PASS
			NV	-10	280000.00	4.653345	20	PASS
	Ant1	5755	NV	0	280000.00	4.653345	20	PASS
			NV	10	280000.00	4.653345	20	PASS
			NV	20	280000.00	4.653345	20	PASS
			NV	30	280000.00	4.653345	20	PASS
			NV	40	320000.00	5.603823	20	PASS
			NV	50	320000.00	5.603823	20	PASS
	Ant2	5755	NV	-30	160000.00	2.801911	20	PASS
			NV	-20	160000.00	2.801911	20	PASS
			NV	-10	200000.00	3.752389	20	PASS
			NV	0	200000.00	3.752389	20	PASS
			NV	10	200000.00	3.752389	20	PASS
			NV	20	200000.00	3.752389	20	PASS
			NV	30	200000.00	3.752389	20	PASS
			NV	40	200000.00	3.752389	20	PASS
			NV	50	240000.00	4.702867	20	PASS
	Ant1	5795	NV	-30	360000.00	6.122519	20	PASS
			NV	-20	320000.00	5.220017	20	PASS
			NV	-10	360000.00	6.122519	20	PASS
			NV	0	360000.00	6.122519	20	PASS
			NV	10	360000.00	6.122519	20	PASS
			NV	20	360000.00	6.122519	20	PASS
			NV	30	360000.00	6.122519	20	PASS
			NV	40	360000.00	6.122519	20	PASS
			NV	50	320000.00	5.220017	20	PASS
	Ant2	5795	NV	-30	200000.00	3.512511	20	PASS
			NV	-20	200000.00	3.512511	20	PASS
			NV	-10	200000.00	3.512511	20	PASS
			NV	0	240000.00	4.415013	20	PASS
			NV	10	240000.00	4.415013	20	PASS
			NV	20	240000.00	4.415013	20	PASS
			NV	30	240000.00	4.415013	20	PASS
			NV	40	240000.00	4.415013	20	PASS
			NV	50	240000.00	4.415013	20	PASS
11AC20SISO	Ant1	5180	NV	-30	60000.00	11.583012	20	PASS
			NV	-20	100000.00	19.305019	20	PASS
			NV	-10	60000.00	11.583012	20	PASS
			NV	0	80000.00	15.444015	20	PASS
			NV	10	80000.00	15.444015	20	PASS
			NV	20	80000.00	15.444015	20	PASS

			NV	30	80000.00	15.444015	20	PASS
			NV	40	80000.00	15.444015	20	PASS
			NV	50	80000.00	15.444015	20	PASS
Ant2	5180		NV	-30	60000.00	11.583012	20	PASS
			NV	-20	60000.00	11.583012	20	PASS
			NV	-10	40000.00	7.722008	20	PASS
			NV	0	40000.00	7.722008	20	PASS
			NV	10	60000.00	11.583012	20	PASS
			NV	20	40000.00	7.722008	20	PASS
			NV	30	40000.00	7.722008	20	PASS
			NV	40	40000.00	7.722008	20	PASS
			NV	50	40000.00	7.722008	20	PASS
Ant1	5220		NV	-30	100000.00	19.157088	20	PASS
			NV	-20	80000.00	15.325670	20	PASS
			NV	-10	80000.00	15.325670	20	PASS
			NV	0	80000.00	15.325670	20	PASS
			NV	10	80000.00	15.325670	20	PASS
			NV	20	80000.00	15.325670	20	PASS
			NV	30	60000.00	11.494253	20	PASS
			NV	40	60000.00	11.494253	20	PASS
			NV	50	80000.00	15.325670	20	PASS
Ant2	5220		NV	-30	40000.00	7.662835	20	PASS
			NV	-20	40000.00	7.662835	20	PASS
			NV	-10	60000.00	11.494253	20	PASS
			NV	0	60000.00	11.494253	20	PASS
			NV	10	40000.00	7.662835	20	PASS
			NV	20	40000.00	7.662835	20	PASS
			NV	30	20000.00	3.831418	20	PASS
			NV	40	40000.00	7.662835	20	PASS
			NV	50	60000.00	11.494253	20	PASS
Ant1	5240		NV	-30	40000.00	7.633588	20	PASS
			NV	-20	20000.00	3.816794	20	PASS
			NV	-10	40000.00	7.633588	20	PASS
			NV	0	60000.00	11.450382	20	PASS
			NV	10	60000.00	11.450382	20	PASS
			NV	20	80000.00	15.267176	20	PASS
			NV	30	60000.00	11.450382	20	PASS
			NV	40	40000.00	7.633588	20	PASS
			NV	50	60000.00	11.450382	20	PASS
Ant2	5240		NV	-30	60000.00	11.450382	20	PASS
			NV	-20	40000.00	7.633588	20	PASS
			NV	-10	40000.00	7.633588	20	PASS
			NV	0	40000.00	7.633588	20	PASS
			NV	10	60000.00	11.450382	20	PASS
			NV	20	60000.00	11.450382	20	PASS
			NV	30	60000.00	11.450382	20	PASS
			NV	40	40000.00	7.633588	20	PASS
			NV	50	40000.00	7.633588	20	PASS
Ant1	5260		NV	-30	20000.00	3.802281	20	PASS
			NV	-20	20000.00	3.802281	20	PASS
			NV	-10	60000.00	11.406844	20	PASS
			NV	0	40000.00	7.604563	20	PASS
			NV	10	40000.00	7.604563	20	PASS
			NV	20	60000.00	11.406844	20	PASS
			NV	30	40000.00	7.604563	20	PASS

			NV	40	40000.00	7.604563	20	PASS
			NV	50	60000.00	11.406844	20	PASS
	Ant2	5260	NV	-30	220000.00	4.825095	20	PASS
			NV	-20	200000.00	8.022814	20	PASS
			NV	-10	180000.00	4.220532	20	PASS
			NV	0	200000.00	8.022814	20	PASS
			NV	10	200000.00	8.022814	20	PASS
			NV	20	220000.00	4.825095	20	PASS
			NV	30	200000.00	8.022814	20	PASS
			NV	40	200000.00	8.022814	20	PASS
			NV	50	200000.00	8.022814	20	PASS
	Ant1	5300	NV	-30	120000.00	2.641509	20	PASS
			NV	-20	100000.00	18.867925	20	PASS
			NV	-10	100000.00	18.867925	20	PASS
			NV	0	100000.00	18.867925	20	PASS
			NV	10	120000.00	2.641509	20	PASS
			NV	20	100000.00	18.867925	20	PASS
			NV	30	120000.00	2.641509	20	PASS
			NV	40	120000.00	2.641509	20	PASS
			NV	50	100000.00	18.867925	20	PASS
	Ant2	5300	NV	-30	200000.00	3.735849	20	PASS
			NV	-20	240000.00	4.283019	20	PASS
			NV	-10	220000.00	4.509434	20	PASS
			NV	0	200000.00	3.735849	20	PASS
			NV	10	200000.00	3.735849	20	PASS
			NV	20	200000.00	3.735849	20	PASS
			NV	30	240000.00	4.283019	20	PASS
			NV	40	220000.00	4.509434	20	PASS
			NV	50	220000.00	1.509434	20	PASS
	Ant1	5320	NV	-30	140000.00	6.315789	20	PASS
			NV	-20	100000.00	18.796992	20	PASS
			NV	-10	120000.00	2.556391	20	PASS
			NV	0	120000.00	2.556391	20	PASS
			NV	10	140000.00	6.315789	20	PASS
			NV	20	120000.00	2.556391	20	PASS
			NV	30	140000.00	6.315789	20	PASS
			NV	40	140000.00	2.315789	20	PASS
			NV	50	120000.00	2.556391	20	PASS
	Ant2	5320	NV	-30	180000.00	3.834586	20	PASS
			NV	-20	220000.00	4.353383	20	PASS
			NV	-10	200000.00	7.593985	20	PASS
			NV	0	200000.00	7.593985	20	PASS
			NV	10	220000.00	4.353383	20	PASS
			NV	20	180000.00	3.834586	20	PASS
			NV	30	220000.00	4.353383	20	PASS
			NV	40	200000.00	7.593985	20	PASS
			NV	50	200000.00	7.593985	20	PASS
	Ant1	5500	NV	-30	180000.00	2.727273	20	PASS
			NV	-20	180000.00	2.727273	20	PASS
			NV	-10	200000.00	6.363636	20	PASS
			NV	0	200000.00	6.363636	20	PASS
			NV	10	200000.00	6.363636	20	PASS
			NV	20	200000.00	3.363636	20	PASS
			NV	30	180000.00	3.727273	20	PASS
			NV	40	220000.00	4.000000	20	PASS

	Ant2	5500	NV	50	220000.00	4.000000	20	PASS
			NV	-30	180000.00	3.727273	20	PASS
			NV	-20	180000.00	3.727273	20	PASS
			NV	-10	140000.00	2.454545	20	PASS
			NV	0	180000.00	3.727273	20	PASS
			NV	10	180000.00	3.727273	20	PASS
			NV	20	160000.00	9.090909	20	PASS
			NV	30	200000.00	6.363636	20	PASS
			NV	40	140000.00	5.454545	20	PASS
			NV	50	160000.00	9.090909	20	PASS
	Ant1	5580	NV	-30	280000.00	5.179211	20	PASS
			NV	-20	280000.00	5.179211	20	PASS
			NV	-10	280000.00	5.179211	20	PASS
			NV	0	300000.00	5.763441	20	PASS
			NV	10	280000.00	5.179211	20	PASS
			NV	20	300000.00	5.763441	20	PASS
			NV	30	340000.00	6.931900	20	PASS
			NV	40	300000.00	5.763441	20	PASS
			NV	50	300000.00	5.763441	20	PASS
	Ant2	5580	NV	-30	40000.00	7.168459	20	PASS
			NV	-20	40000.00	7.168459	20	PASS
			NV	-10	60000.00	10.752688	20	PASS
			NV	0	60000.00	10.752688	20	PASS
			NV	10	80000.00	14.336918	20	PASS
			NV	20	100000.00	17.921147	20	PASS
			NV	30	80000.00	14.336918	20	PASS
			NV	40	100000.00	17.921147	20	PASS
			NV	50	100000.00	17.921147	20	PASS
	Ant1	5700	NV	-30	280000.00	9.122807	20	PASS
			NV	-20	280000.00	9.122807	20	PASS
			NV	-10	300000.00	2.631579	20	PASS
			NV	0	280000.00	9.122807	20	PASS
			NV	10	260000.00	5.614035	20	PASS
			NV	20	280000.00	9.122807	20	PASS
			NV	30	280000.00	9.122807	20	PASS
			NV	40	300000.00	2.631579	20	PASS
			NV	50	280000.00	9.122807	20	PASS
	Ant2	5700	NV	-30	180000.00	3.578947	20	PASS
			NV	-20	200000.00	5.087719	20	PASS
			NV	-10	200000.00	5.087719	20	PASS
			NV	0	200000.00	5.087719	20	PASS
			NV	10	200000.00	3.087719	20	PASS
			NV	20	180000.00	3.578947	20	PASS
			NV	30	200000.00	5.087719	20	PASS
			NV	40	220000.00	8.596491	20	PASS
			NV	50	220000.00	8.596491	20	PASS
	Ant1	5745	NV	-30	160000.00	7.850305	20	PASS
			NV	-20	160000.00	7.850305	20	PASS
			NV	-10	160000.00	7.850305	20	PASS
			NV	0	200000.00	4.812881	20	PASS
			NV	10	220000.00	8.294169	20	PASS
			NV	20	200000.00	4.812881	20	PASS
			NV	30	200000.00	4.812881	20	PASS
			NV	40	200000.00	4.812881	20	PASS
			NV	50	220000.00	3.294169	20	PASS

	Ant2	5745	NV	-30	120000.00	2.887728	20	PASS
			NV	-20	120000.00	2.887728	20	PASS
			NV	-10	120000.00	2.887728	20	PASS
			NV	0	140000.00	4.369017	20	PASS
			NV	10	120000.00	2.887728	20	PASS
			NV	20	120000.00	2.887728	20	PASS
			NV	30	120000.00	2.887728	20	PASS
			NV	40	140000.00	2.369017	20	PASS
			NV	50	140000.00	2.369017	20	PASS
	Ant1	5785	NV	-30	260000.00	4.943820	20	PASS
			NV	-20	300000.00	5.858254	20	PASS
			NV	-10	280000.00	8.401037	20	PASS
			NV	0	280000.00	8.401037	20	PASS
			NV	10	280000.00	8.401037	20	PASS
			NV	20	280000.00	8.401037	20	PASS
			NV	30	300000.00	1.858254	20	PASS
			NV	40	280000.00	8.401037	20	PASS
			NV	50	280000.00	8.401037	20	PASS
	Ant2	5785	NV	-30	180000.00	1.114952	20	PASS
			NV	-20	160000.00	7.657736	20	PASS
			NV	-10	160000.00	2.657736	20	PASS
			NV	0	180000.00	3.114952	20	PASS
			NV	10	180000.00	3.114952	20	PASS
			NV	20	180000.00	3.114952	20	PASS
			NV	30	180000.00	3.114952	20	PASS
			NV	40	180000.00	3.114952	20	PASS
			NV	50	180000.00	3.114952	20	PASS
	Ant1	5825	NV	-30	320000.00	5.935622	20	PASS
			NV	-20	300000.00	5.502146	20	PASS
			NV	-10	320000.00	5.935622	20	PASS
			NV	0	320000.00	5.935622	20	PASS
			NV	10	320000.00	4.935622	20	PASS
			NV	20	340000.00	8.369099	20	PASS
			NV	30	340000.00	8.369099	20	PASS
			NV	40	320000.00	4.935622	20	PASS
			NV	50	320000.00	4.935622	20	PASS
	Ant2	5825	NV	-30	220000.00	7.768240	20	PASS
			NV	-20	200000.00	4.334764	20	PASS
			NV	-10	220000.00	7.768240	20	PASS
			NV	0	200000.00	4.334764	20	PASS
			NV	10	200000.00	4.334764	20	PASS
			NV	20	200000.00	4.334764	20	PASS
			NV	30	220000.00	7.768240	20	PASS
			NV	40	200000.00	4.334764	20	PASS
			NV	50	200000.00	4.334764	20	PASS
11AC40SISO	Ant1	5190	NV	-30	80000.00	15.414258	20	PASS
			NV	-20	40000.00	7.707129	20	PASS
			NV	-10	40000.00	7.707129	20	PASS
			NV	0	40000.00	7.707129	20	PASS
			NV	10	40000.00	7.707129	20	PASS
			NV	20	40000.00	7.707129	20	PASS
			NV	30	40000.00	7.707129	20	PASS
			NV	40	80000.00	15.414258	20	PASS
			NV	50	40000.00	7.707129	20	PASS
	Ant2	5190	NV	-30	40000.00	7.707129	20	PASS

			NV	-20	80000.00	15.414258	20	PASS
			NV	-10	80000.00	15.414258	20	PASS
			NV	0	40000.00	7.707129	20	PASS
			NV	10	80000.00	7.648184	20	PASS
			NV	20	80000.00	7.648184	20	PASS
			NV	30	80000.00	7.648184	20	PASS
			NV	40	40000.00	7.707129	20	PASS
			NV	50	80000.00	7.648184	20	PASS
	Ant1	5230	NV	-30	40000.00	7.648184	20	PASS
			NV	-20	40000.00	7.648184	20	PASS
			NV	-10	40000.00	7.648184	20	PASS
			NV	0	40000.00	7.648184	20	PASS
			NV	10	80000.00	15.296367	20	PASS
			NV	20	80000.00	15.296367	20	PASS
			NV	30	80000.00	15.296367	20	PASS
			NV	40	80000.00	15.296367	20	PASS
			NV	50	40000.00	7.648184	20	PASS
	Ant2	5230	NV	-30	40000.00	7.648184	20	PASS
			NV	-20	40000.00	7.648184	20	PASS
			NV	-10	40000.00	7.648184	20	PASS
			NV	0	40000.00	7.648184	20	PASS
			NV	10	40000.00	7.648184	20	PASS
			NV	20	40000.00	7.648184	20	PASS
			NV	30	40000.00	7.648184	20	PASS
			NV	40	40000.00	7.648184	20	PASS
			NV	50	80000.00	15.296367	20	PASS
	Ant1	5270	NV	-30	120000.00	2.770398	20	PASS
			NV	-20	160000.00	3.360531	20	PASS
			NV	-10	120000.00	2.770398	20	PASS
			NV	0	120000.00	2.770398	20	PASS
			NV	10	120000.00	2.770398	20	PASS
			NV	20	120000.00	2.770398	20	PASS
			NV	30	80000.00	5.180266	20	PASS
			NV	40	120000.00	2.770398	20	PASS
			NV	50	160000.00	3.360531	20	PASS
	Ant2	5270	NV	-30	200000.00	7.950664	20	PASS
			NV	-20	200000.00	7.950664	20	PASS
			NV	-10	200000.00	7.950664	20	PASS
			NV	0	200000.00	7.950664	20	PASS
			NV	10	200000.00	3.950664	20	PASS
			NV	20	160000.00	3.360531	20	PASS
			NV	30	160000.00	3.360531	20	PASS
			NV	40	200000.00	7.950664	20	PASS
			NV	50	200000.00	7.950664	20	PASS
	Ant1	5310	NV	-30	120000.00	15.598870	20	PASS
			NV	-20	80000.00	15.065913	20	PASS
			NV	-10	120000.00	12.598870	20	PASS
			NV	0	120000.00	12.598870	20	PASS
			NV	10	120000.00	12.598870	20	PASS
			NV	20	120000.00	12.598870	20	PASS
			NV	30	80000.00	15.065913	20	PASS
			NV	40	160000.00	10.131827	20	PASS
			NV	50	120000.00	12.598870	20	PASS
	Ant2	5310	NV	-30	120000.00	12.598870	20	PASS
			NV	-20	160000.00	10.131827	20	PASS

			NV	-10	160000.00	10.131827	20	PASS
			NV	0	160000.00	10.131827	20	PASS
			NV	10	160000.00	10.131827	20	PASS
			NV	20	120000.00	12.598870	20	PASS
			NV	30	160000.00	13.131827	20	PASS
			NV	40	120000.00	2.598870	20	PASS
			NV	50	160000.00	3.131827	20	PASS
	Ant1	5510	NV	-30	120000.00	12.778584	20	PASS
			NV	-20	120000.00	12.778584	20	PASS
			NV	-10	160000.00	2.038113	20	PASS
			NV	0	160000.00	2.038113	20	PASS
			NV	10	120000.00	2.778584	20	PASS
			NV	20	160000.00	2.038113	20	PASS
			NV	30	160000.00	2.038113	20	PASS
	Ant2	5510	NV	40	200000.00	3.297641	20	PASS
			NV	50	160000.00	2.038113	20	PASS
			NV	-30	120000.00	12.778584	20	PASS
			NV	-20	160000.00	2.038113	20	PASS
			NV	-10	160000.00	2.038113	20	PASS
			NV	0	80000.00	1.519056	20	PASS
			NV	10	160000.00	2.038113	20	PASS
	Ant1	5550	NV	20	120000.00	2.778584	20	PASS
			NV	30	160000.00	2.038113	20	PASS
			NV	40	160000.00	2.038113	20	PASS
			NV	50	160000.00	2.038113	20	PASS
			NV	-30	200000.00	3.036036	20	PASS
			NV	-20	280000.00	5.450450	20	PASS
			NV	-10	240000.00	4.243243	20	PASS
	Ant2	5550	NV	0	280000.00	5.450450	20	PASS
			NV	10	240000.00	4.243243	20	PASS
			NV	20	240000.00	4.243243	20	PASS
			NV	30	320000.00	5.657658	20	PASS
			NV	40	280000.00	5.450450	20	PASS
			NV	50	240000.00	3.243243	20	PASS
			NV	-30	120000.00	1.621622	20	PASS
	Ant1	5670	NV	-20	200000.00	6.036036	20	PASS
			NV	-10	160000.00	8.828829	20	PASS
			NV	0	200000.00	6.036036	20	PASS
			NV	10	160000.00	8.828829	20	PASS
			NV	20	200000.00	6.036036	20	PASS
			NV	30	200000.00	16.036036	20	PASS
			NV	40	120000.00	11.621622	20	PASS
	Ant2	5670	NV	50	240000.00	3.243243	20	PASS
			NV	-30	320000.00	6.437390	20	PASS
			NV	-20	280000.00	9.382716	20	PASS
			NV	-10	320000.00	6.437390	20	PASS
			NV	0	320000.00	6.437390	20	PASS
			NV	10	320000.00	6.437390	20	PASS
			NV	20	320000.00	6.437390	20	PASS
	Ant1	5670	NV	30	320000.00	6.437390	20	PASS
			NV	40	320000.00	5.437390	20	PASS
			NV	50	320000.00	5.437390	20	PASS
	Ant2	5670	NV	-30	160000.00	8.218695	20	PASS
			NV	-20	200000.00	5.273369	20	PASS
			NV	-10	200000.00	3.273369	20	PASS

11AC80SISO			NV	0	200000.00	3.273369	20	PASS
			NV	10	200000.00	3.273369	20	PASS
			NV	20	200000.00	3.273369	20	PASS
			NV	30	200000.00	3.273369	20	PASS
			NV	40	200000.00	3.273369	20	PASS
			NV	50	160000.00	2.218695	20	PASS
	Ant1	5755	NV	-30	200000.00	3.752389	20	PASS
			NV	-20	200000.00	3.752389	20	PASS
			NV	-10	200000.00	3.752389	20	PASS
			NV	0	240000.00	4.702867	20	PASS
			NV	10	200000.00	3.752389	20	PASS
			NV	20	240000.00	4.702867	20	PASS
			NV	30	280000.00	4.653345	20	PASS
			NV	40	240000.00	4.702867	20	PASS
			NV	50	240000.00	4.702867	20	PASS
	Ant2	5755	NV	-30	240000.00	4.702867	20	PASS
			NV	-20	200000.00	3.752389	20	PASS
			NV	-10	280000.00	4.653345	20	PASS
			NV	0	280000.00	4.653345	20	PASS
			NV	10	240000.00	4.702867	20	PASS
			NV	20	280000.00	4.653345	20	PASS
			NV	30	280000.00	4.653345	20	PASS
			NV	40	320000.00	5.603823	20	PASS
			NV	50	320000.00	5.603823	20	PASS
	Ant1	5795	NV	-30	280000.00	4.317515	20	PASS
			NV	-20	240000.00	4.415013	20	PASS
			NV	-10	200000.00	3.512511	20	PASS
			NV	0	240000.00	4.415013	20	PASS
			NV	10	240000.00	4.415013	20	PASS
			NV	20	240000.00	4.415013	20	PASS
			NV	30	280000.00	4.317515	20	PASS
			NV	40	240000.00	4.415013	20	PASS
			NV	50	240000.00	4.415013	20	PASS
	Ant2	5795	NV	-30	360000.00	2.122519	20	PASS
			NV	-20	320000.00	5.220017	20	PASS
			NV	-10	360000.00	2.122519	20	PASS
			NV	0	360000.00	2.122519	20	PASS
			NV	10	360000.00	2.122519	20	PASS
			NV	20	360000.00	6.122519	20	PASS
			NV	30	360000.00	6.122519	20	PASS
			NV	40	360000.00	6.122519	20	PASS
			NV	50	360000.00	6.122519	20	PASS
11AC80SISO	Ant1	5210	NV	-30	80000.00	6.122519	20	PASS
			NV	-20	80000.00	6.122519	20	PASS
			NV	-10	80000.00	6.122519	20	PASS
			NV	0	80000.00	15.355086	20	PASS
			NV	10	80000.00	6.122519	20	PASS
			NV	20	80000.00	6.122519	20	PASS
			NV	30	80000.00	6.122519	20	PASS
			NV	40	80000.00	6.122519	20	PASS
			NV	50	80000.00	6.122519	20	PASS
	Ant2	5210	NV	-30	80000.00	15.355086	20	PASS
			NV	-20	80000.00	15.355086	20	PASS
			NV	-10	160000.00	3.710173	20	PASS
			NV	0	80000.00	15.355086	20	PASS

			NV	10	80000.00	15.355086	20	PASS
			NV	20	80000.00	15.355086	20	PASS
			NV	30	80000.00	15.355086	20	PASS
			NV	40	160000.00	3.710173	20	PASS
			NV	50	80000.00	15.355086	20	PASS
	Ant1	5290	NV	-30	160000.00	3.245747	20	PASS
			NV	-20	160000.00	3.245747	20	PASS
			NV	-10	80000.00	15.122873	20	PASS
			NV	0	80000.00	15.122873	20	PASS
			NV	10	80000.00	15.122873	20	PASS
			NV	20	80000.00	15.122873	20	PASS
			NV	30	80000.00	15.122873	20	PASS
			NV	40	80000.00	15.122873	20	PASS
			NV	50	80000.00	15.122873	20	PASS
	Ant2	5290	NV	-30	160000.00	3.245747	20	PASS
			NV	-20	320000.00	6.491493	20	PASS
			NV	-10	160000.00	3.245747	20	PASS
			NV	0	240000.00	4.368620	20	PASS
			NV	10	80000.00	15.122873	20	PASS
			NV	20	160000.00	3.245747	20	PASS
			NV	30	160000.00	3.245747	20	PASS
			NV	40	160000.00	3.245747	20	PASS
			NV	50	160000.00	3.245747	20	PASS
	Ant1	5530	NV	-30	160000.00	8.933092	20	PASS
			NV	-20	160000.00	8.933092	20	PASS
			NV	-10	160000.00	8.933092	20	PASS
			NV	0	160000.00	8.933092	20	PASS
			NV	10	160000.00	8.933092	20	PASS
			NV	20	160000.00	8.933092	20	PASS
			NV	30	160000.00	8.933092	20	PASS
			NV	40	160000.00	8.933092	20	PASS
			NV	50	160000.00	8.933092	20	PASS
	Ant2	5530	NV	-30	160000.00	8.933092	20	PASS
			NV	-20	80000.00	14.466546	20	PASS
			NV	-10	40000.00	4.466546	20	PASS
			NV	0	80000.00	14.466546	20	PASS
			NV	10	320000.00	5.866184	20	PASS
			NV	20	160000.00	2.933092	20	PASS
			NV	30	160000.00	2.933092	20	PASS
			NV	40	160000.00	2.933092	20	PASS
			NV	50	160000.00	2.933092	20	PASS
	Ant1	5610	NV	-30	160000.00	2.520499	20	PASS
			NV	-20	240000.00	4.780749	20	PASS
			NV	-10	160000.00	2.520499	20	PASS
			NV	0	240000.00	4.780749	20	PASS
			NV	10	320000.00	5.040998	20	PASS
			NV	20	240000.00	4.780749	20	PASS
			NV	30	320000.00	5.040998	20	PASS
			NV	40	240000.00	4.780749	20	PASS
			NV	50	240000.00	4.780749	20	PASS
	Ant2	5610	NV	-30	160000.00	8.520499	20	PASS
			NV	-20	160000.00	8.520499	20	PASS
			NV	-10	80000.00	14.260250	20	PASS
			NV	0	240000.00	2.780749	20	PASS
			NV	10	160000.00	8.520499	20	PASS

			NV	20	240000.00	2.780749	20	PASS
			NV	30	160000.00	8.520499	20	PASS
			NV	40	240000.00	12.780749	20	PASS
			NV	50	240000.00	12.780749	20	PASS
	Ant1	5775	NV	-30	160000.00	7.705628	20	PASS
			NV	-20	160000.00	7.705628	20	PASS
			NV	-10	160000.00	7.705628	20	PASS
			NV	0	160000.00	2.705628	20	PASS
			NV	10	160000.00	2.705628	20	PASS
			NV	20	160000.00	2.705628	20	PASS
			NV	30	160000.00	2.705628	20	PASS
			NV	40	160000.00	2.705628	20	PASS
			NV	50	160000.00	2.705628	20	PASS
	Ant2	5775	NV	-30	160000.00	2.705628	20	PASS
			NV	-20	160000.00	7.705628	20	PASS
			NV	-10	240000.00	4.558442	20	PASS
			NV	0	240000.00	4.558442	20	PASS
			NV	10	240000.00	4.558442	20	PASS
			NV	20	240000.00	4.558442	20	PASS
			NV	30	160000.00	2.705628	20	PASS
			NV	40	160000.00	2.705628	20	PASS
			NV	50	240000.00	4.558442	20	PASS

8.5 UNDESIRABLE RADIATED SPURIOUS EMISSION

8.5.1 Applicable Standard

According to FCC Part 15.407 (b)
According to 789033 D02 Section II(G)

8.5.2 Conformance Limit

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

Restricted Frequency(MHz)	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log ($\mu\text{V/m}$)	300
0.490-1.705	2400/F(KHz)	20 log ($\mu\text{V/m}$)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

The provisions of §15.205 apply to intentional radiators operating under this section, 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

Remark: 1. Emission level in dB $\mu\text{V/m}$ =20 log ($\mu\text{V/m}$)
2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

8.5.3 Test Configuration

Test according to clause 6.2 radio frequency test setup

8.5.4 Test Procedure

■ Unwanted Emissions Measurements below 1000 MHz

Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

The EUT was placed on a turn table which is 0.8m above ground plane.

And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until all frequency measured was complete.

We use software control the EUT, Let EUT hopping on and transmit with highest power, All the modes have been tested and the worst result was reported.

Use the following spectrum analyzer settings:

Set RBW=120kHz for $f < 1$ GHz(30MHz to 1GHz), 200Hz for $f < 150$ KHz(9KHz to 150KHz), 9KHz for < 30 MHz

(150KHz to 30KHz).

Set the VBW > RBW.

Detector = Peak.

Trace mode = max hold.

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Repeat above procedures until all frequency measured was complete.

■ Unwanted Maximum peak Emissions Measurements above 1000 MHz

Maximum emission levels are measured by setting the analyzer as follows:

RBW = 1 MHz.

VBW $\geq$ 3 MHz.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

■ Unwanted Average Emissions Measurements above 1000 MHz

Method VB (Averaging using reduced video bandwidth): Alternative method.

RBW = 1 MHz.

Video bandwidth. • If the EUT is configured to transmit with duty cycle $\geq$ 98 percent, set $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

• If the EUT duty cycle is < 98 percent, set $VBW \geq 1/T$, where T is defined in section II.B.1.a).

Video bandwidth mode or display mode • The instrument shall be set to ensure that video filtering is applied in the power domain. Typically, this requires setting the detector mode to RMS and setting the Average-VBW Type to Power (RMS).

• As an alternative, the analyzer may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some analyzers require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle. For example, use at least 200 traces if the duty cycle is 25 percent. (If a specific emission is demonstrated to be continuous—i.e., 100 percent duty cycle—rather than turning on and off with the transmit cycle, at least 50 traces shall be averaged.)

■ **Band edge measurements.**

Unwanted band-edge emissions may be measured using either of the special band-edge measurement techniques (the marker-delta or integration methods) described below. Note that the marker-delta method is primarily a radiated measurement technique that requires the 99% occupied bandwidth edge to be within 2 MHz of the authorized band edge, whereas the integration method can be used in either a radiated or conducted measurement without any special requirement with regards to the displacement of the unwanted emission(s) relative to the authorized bandwidth.

Marker-Delta Method.

The marker-delta method, as described in ANSI C63.10, can be used to perform measurements of the radiated unwanted emissions level of emissions provided that the 99% occupied bandwidth of the fundamental is within 2 MHz of the authorized band-edge.

8.5.5 Test Results

The voltage 120V & 240V and the modes 802.11a/n/ac has been tested and the worst result recorded as below:

- ☒ For Undesirable radiated Spurious Emission in U-NII – 1
All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:
- : ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Antenna 1

Test mode: 802.11a Frequency(MHz): 5180					
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
5540.649	V	47.07	-48.16	-27	-21.16
12814.90	V	58.27	-36.96	-27	-9.96
17893.66	V	68.09	-27.14	-27	-0.14
5102.528	H	45.91	-49.32	-27	-22.32
11540.15	H	59.04	-36.19	-27	-9.19
17690.53	H	68.08	-27.15	-27	-0.15

Test mode: 802.11a Frequency(MHz): 5200					
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4780.563	V	45.70	-49.53	-27	-22.53
11174.17	V	58.12	-37.11	-27	-10.11
17937.67	V	69.39	-27.16	-27	-0.16
5258.998	H	45.03	-50.2	-27	-23.2
11015.43	H	58.39	-36.84	-27	-9.84
17942.86	H	68.49	-27.26	-27	-0.26

Test mode: 802.11a Frequency(MHz): 5240					
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4667.241	V	45.12	-50.11	-27	-23.11
10357.72	V	58.06	-37.17	-27	-10.17
17805.95	V	68.69	-27.46	-27	-0.46
5395.257	H	46.09	-49.14	-27	-22.14
11179.01	H	58.46	-36.77	-27	-9.77
17898.83	H	67.60	-27.63	-27	-0.63

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 5180					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5540.649	V	47.07	74.00	-26.93	peak
5540.649	V	30.15	54.00	-23.85	AVG
12814.90	V	58.27	74.00	-15.73	peak
12814.90	V	40.11	54.00	-13.89	AVG
17893.66	V	68.09	74.00	-5.91	peak
17893.66	V	50.29	54.00	-3.71	AVG
5102.528	H	45.91	74.00	-28.09	peak
5102.528	H	28.87	54.00	-25.13	AVG
11540.15	H	59.04	74.00	-14.96	peak
11540.15	H	41.26	54.00	-12.74	AVG
17690.53	H	68.08	74.00	-5.92	peak
17690.53	H	50.03	54.00	-3.97	AVG

Frequency: 5200					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4780.563	V	45.70	74.00	-28.30	peak
4780.563	V	28.51	54.00	-25.49	AVG
11174.17	V	58.12	74.00	-15.88	peak
11174.17	V	40.33	54.00	-13.67	AVG
17937.67	V	69.39	74.00	-4.61	peak
17937.67	V	50.88	54.00	-3.12	AVG
5258.998	H	45.03	74.00	-28.97	peak
5258.998	H	28.38	54.00	-25.62	AVG
11015.43	H	58.39	74.00	-15.61	peak
11015.43	H	40.35	54.00	-13.65	AVG
17942.86	H	68.49	74.00	-5.51	peak
17942.86	H	50.47	54.00	-3.53	AVG

Frequency: 5240					
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4667.241	V	45.12	74.00	-28.88	peak
4667.241	V	28.77	54.00	-25.23	AVG
10357.72	V	58.06	74.00	-15.94	peak
10357.72	V	40.02	54.00	-13.98	AVG
17805.95	V	68.69	74.00	-5.31	peak
17805.95	V	50.62	54.00	-3.38	AVG
5395.257	H	46.09	74.00	-27.91	peak
5395.257	H	28.79	54.00	-25.21	AVG
11179.01	H	58.46	74.00	-15.54	peak
11179.01	H	40.26	54.00	-13.74	AVG
17898.83	H	67.60	74.00	-6.40	peak
17898.83	H	50.38	54.00	-3.62	AVG

- Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ For Undesirable radiated Spurious Emission in U-NII -2A
All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:
: ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode:		802.11a		Frequency(MHz):		5260	
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)		
5530.250	V	46.34	-48.89	-27	-21.89		
11145.14	V	58.19	-37.04	-27	-10.04		
17945.45	V	69.00	-27.23	-27	-0.23		
5399.157	H	46.93	-48.3	-27	-21.3		
11261.71	H	57.54	-37.69	-27	-10.69		
17839.43	H	68.52	-27.71	-27	-0.71		

Test mode:		802.11a		Frequency(MHz):		5280	
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)		
5558.293	V	46.34	-48.89	-27	-21.89		
13881.08	V	59.59	-35.64	-27	-8.64		
17935.08	V	68.73	-27.5	-27	-0.5		
6190.139	H	48.65	-46.58	-27	-19.58		
11071.29	H	57.49	-37.74	-27	-10.74		
17872.98	H	68.82	-27.41	-27	-0.41		

Test mode:		802.11a		Frequency(MHz):		5320	
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)		
5396.037	V	48.00	-47.23	-27	-20.23		
11224.34	V	59.62	-35.61	-27	-8.61		
17904.00	V	69.23	-28	-27	-1		
5341.724	H	46.80	-48.43	-27	-21.43		
11010.66	H	56.06	-39.17	-27	-12.17		
17997.39	H	68.09	-27.14	-27	-0.14		

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Frequency: 802.11a			Frequency(MHz): 5260		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5530.250	V	46.34	74.00	-27.66	peak
5530.250	V	28.27	54.00	-25.73	AVG
11145.14	V	58.19	74.00	-15.81	peak
11145.14	V	40.15	54.00	-13.85	AVG
17945.45	V	69.00	74.00	-5.00	peak
17945.45	V	50.93	54.00	-3.07	AVG
5399.157	H	46.93	74.00	-27.07	peak
5399.157	H	28.78	54.00	-25.22	AVG
11261.71	H	57.54	74.00	-16.46	peak
11261.71	H	40.44	54.00	-13.56	AVG
17839.43	H	68.52	74.00	-5.48	peak
17839.43	H	50.35	54.00	-3.65	AVG

Frequency: 802.11a			Frequency(MHz): 5280		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5558.293	V	46.34	74.00	-27.66	peak
5558.293	V	28.76	54.00	-25.24	AVG
13881.08	V	59.59	74.00	-14.41	peak
13881.08	V	41.55	54.00	-12.45	AVG
17935.08	V	68.73	74.00	-5.27	peak
17935.08	V	50.38	54.00	-3.62	AVG
6190.139	H	48.65	74.00	-25.35	peak
6190.139	H	30.55	54.00	-23.45	AVG
11071.29	H	57.49	74.00	-16.51	peak
11071.29	H	40.38	54.00	-13.62	AVG
17872.98	H	68.82	74.00	-5.18	peak
17872.98	H	50.77	54.00	-3.23	AVG

Frequency: 802.11a			Frequency(MHz): 5320		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5396.037	V	48.00	74.00	-26.00	peak
5396.037	V	30.19	54.00	-23.81	AVG
11224.34	V	59.62	74.00	-14.38	peak
11224.34	V	41.93	54.00	-12.07	AVG
17904.00	V	69.23	74.00	-4.77	peak
17904	V	50.28	54.00	-3.72	AVG
5341.724	H	46.80	74.00	-27.20	peak
5341.724	H	28.78	54.00	-25.22	AVG
11010.66	H	56.06	74.00	-17.94	peak
11010.66	H	38.73	54.00	-15.27	AVG
17997.39	H	68.09	74.00	-5.91	peak
17997.39	H	50.15	54.00	-3.85	AVG

- Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

☒ For Undesirable radiated Spurious Emission in U-NII -2C

All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:

: ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode:		802.11a		Frequency(MHz):		5500	
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)		
4739.974	V	45.75	-49.48	-27	-22.48		
11225.96	V	58.45	-36.78	-27	-9.78		
17929.90	V	68.89	-27.34	-27	-0.34		
5685.028	H	47.21	-48.02	-27	-21.02		
11179.01	H	57.64	-37.59	-27	-10.59		
17997.39	H	69.09	-27.14	-27	-0.14		

Test mode:		802.11a		Frequency(MHz):		5580	
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)		
5442.244	V	47.66	-47.57	-27	-20.57		
11183.86	V	57.80	-37.43	-27	-10.43		
17922.12	V	67.99	-27.24	-27	-0.24		
5615.620	H	46.67	-48.56	-27	-21.56		
11072.89	H	57.18	-38.05	-27	-11.05		
17849.75	H	68.97	-27.26	-27	-0.26		

Test mode:		802.11a		Frequency(MHz):		5700	
Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)		
5391.360	V	47.42	-47.81	-27	-20.81		
9743.509	V	55.69	-39.54	-27	-12.54		
17994.79	V	68.53	-27.3	-27	-0.3		
5114.340	H	45.43	-49.8	-27	-22.8		
11071.29	H	57.30	-37.93	-27	-10.93		
17909.18	H	68.61	-27.62	-27	-0.62		

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).

(2) Emission Level= Reading Level+Probe Factor +Cable Loss.

(3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77

d is the measurement distance in 3 meters

Frequency: 802.11a			Frequency(MHz): 5500		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4739.974	V	45.75	74.00	-28.25	peak
4739.974	V	28.69	54.00	-25.31	AVG
11225.96	V	58.45	74.00	-15.55	peak
11225.96	V	40.35	54.00	-13.65	AVG
17929.90	V	68.89	74.00	-5.11	peak
17929.9	V	50.77	54.00	-3.23	AVG
5685.028	H	47.21	74.00	-26.79	peak
5685.028	H	29.65	54.00	-24.35	AVG
11179.01	H	57.64	74.00	-16.36	peak
11179.01	H	39.88	54.00	-14.12	AVG
17997.39	H	69.09	74.00	-4.91	peak
17997.39	H	50.93	54.00	-3.07	AVG

Frequency: 802.11a			Frequency(MHz): 5580		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5442.244	V	47.66	74.00	-26.34	peak
5442.244	V	30.27	54.00	-23.73	AVG
11183.86	V	57.80	74.00	-16.20	peak
11183.86	V	40.19	54.00	-13.81	AVG
17922.12	V	67.99	74.00	-6.01	peak
17922.12	V	50.03	54.00	-3.97	AVG
5615.620	H	46.67	74.00	-27.33	peak
5615.620	H	28.99	54.00	-25.01	AVG
11072.89	H	57.18	74.00	-16.82	peak
11072.89	H	40.11	54.00	-13.89	AVG
17849.75	H	68.97	74.00	-5.03	peak
17849.75	H	50.77	54.00	-3.23	AVG

Frequency: 802.11a			Frequency(MHz): 5700		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
5391.360	V	47.42	74.00	-26.58	peak
5391.360	V	29.87	54.00	-24.13	AVG
9743.509	V	55.69	74.00	-18.31	peak
9743.509	V	38.96	54.00	-15.04	AVG
17994.79	V	68.53	74.00	-5.47	peak
17994.79	V	50.61	54.00	-3.39	AVG
5114.340	H	45.43	74.00	-28.57	peak
5114.340	H	28.38	54.00	-25.62	AVG
11071.29	H	57.30	74.00	-16.70	peak
11071.29	H	40.29	54.00	-13.71	AVG
17909.18	H	68.61	74.00	-5.39	peak
17909.18	H	50.58	54.00	-3.42	AVG

- Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- ☒ For Undesirable radiated Spurious Emission in U-NII -3

All the modes 802.11a/n/ac has been tested and the worst result 802.11a recorded as below:

- ☒ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

Test mode: 802.11a Frequency(MHz): 5745

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
7306.178	V	52.37	-42.86	-27	-15.86
13255.67	V	58.13	-37.1	-27	-10.1
17935.08	V	68.19	-27.04	-27	-0.04
4661.848	H	44.89	-50.34	-27	-23.34
11148.36	H	58.37	-36.86	-27	-9.86
17909.18	H	68.51	-27.28	-27	-0.28

Test mode: 802.11a Frequency(MHz): 5785

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
4646.378	V	45.21	-50.02	-27	-23.02
9438.596	V	54.09	-41.14	-27	-14.14
17932.49	V	68.62	-27.61	-27	-0.61
6092.512	H	47.86	-47.37	-27	-20.37
11109.76	H	57.37	-37.86	-27	-10.86
17862.65	H	68.42	-27.19	-27	-0.19

Test mode: 802.11a Frequency(MHz): 5825

Freq. (MHz)	Ant.Pol. H/V	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
6214.340	V	48.38	-46.85	-27	-19.85
11148.36	V	58.11	-37.12	-27	-10.12
17842.01	V	68.99	-27.76	-27	-0.76
6168.706	H	47.66	-47.57	-27	-20.57
11162.87	H	58.54	-36.69	-27	-9.69
17849.75	H	68.20	-27.03	-27	-0.03

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).

(2) Emission Level= Reading Level+Probe Factor +Cable Loss.

(3) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77

d is the measurement distance in 3 meters

Frequency: 802.11a			Frequency(MHz): 5745		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
7306.178	V	52.37	74.00	-21.63	peak
7306.178	V	34.15	54.00	-19.85	AVG
13255.67	V	58.13	74.00	-15.87	peak
13255.67	V	40.03	54.00	-13.97	AVG
17935.08	V	68.27	74.00	-5.73	peak
17935.08	V	50.19	54.00	-3.81	AVG
4661.848	H	44.89	74.00	-29.11	peak
4661.848	H	26.75	54.00	-27.25	AVG
11148.36	H	58.37	74.00	-15.63	peak
11148.36	H	40.39	54.00	-13.61	AVG
17909.18	H	68.51	74.00	-5.49	peak
17909.18	H	50.33	54.00	-3.67	AVG

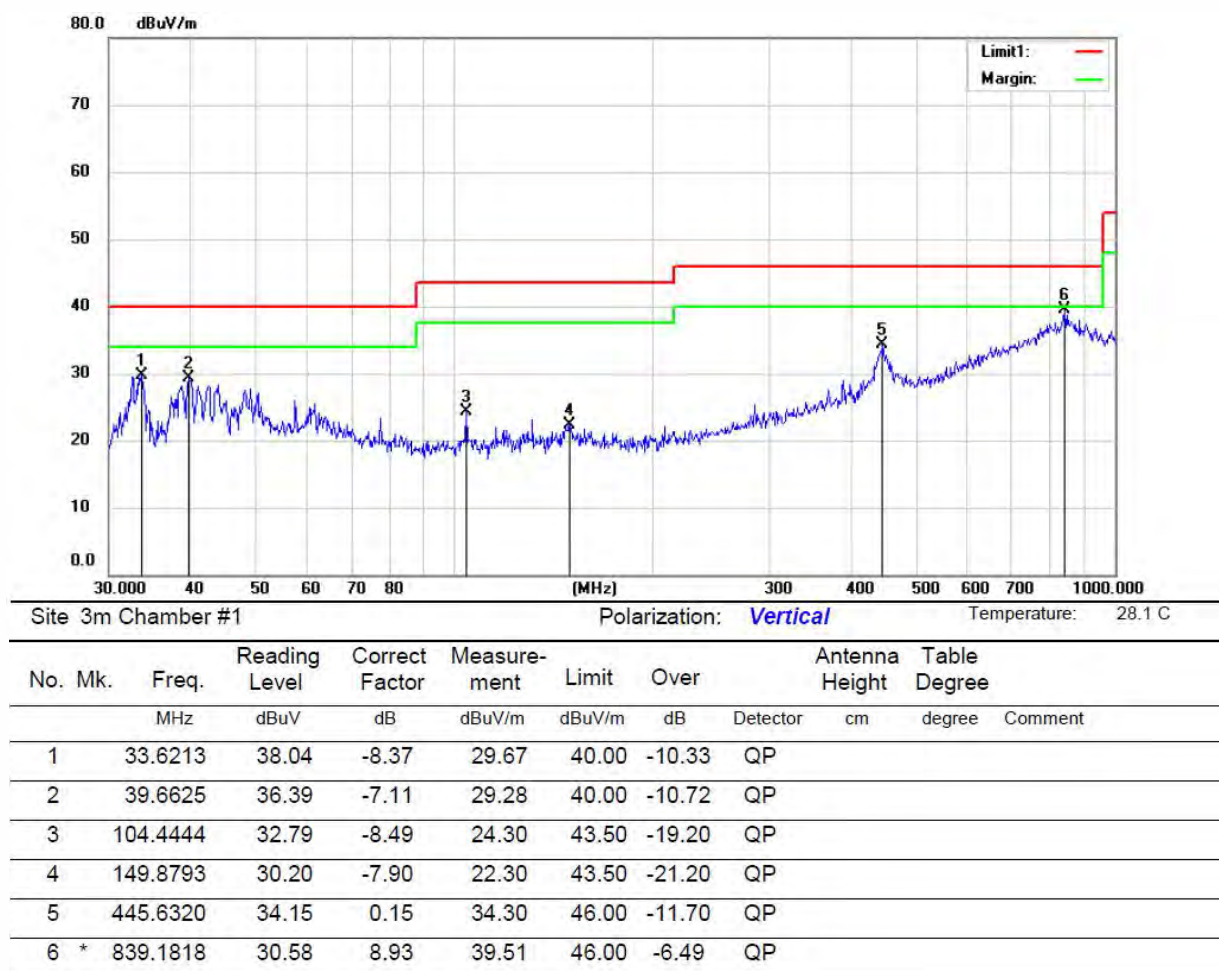
Frequency: 802.11a			Frequency(MHz): 5785		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
4646.378	V	45.21	74.00	-28.79	peak
4646.378	V	27.23	54.00	-26.77	AVG
9438.596	V	54.09	74.00	-19.91	peak
9438.596	V	36.08	54.00	-17.92	AVG
17932.49	V	68.62	74.00	-5.38	peak
17932.49	V	50.29	54.00	-3.71	AVG
6092.512	H	47.86	74.00	-26.14	peak
6092.512	H	28.93	54.00	-25.07	AVG
11109.76	H	57.37	74.00	-16.63	peak
11109.76	H	40.29	54.00	-13.71	AVG
17862.65	H	68.42	74.00	-5.58	peak
17862.65	H	50.38	54.00	-3.62	AVG

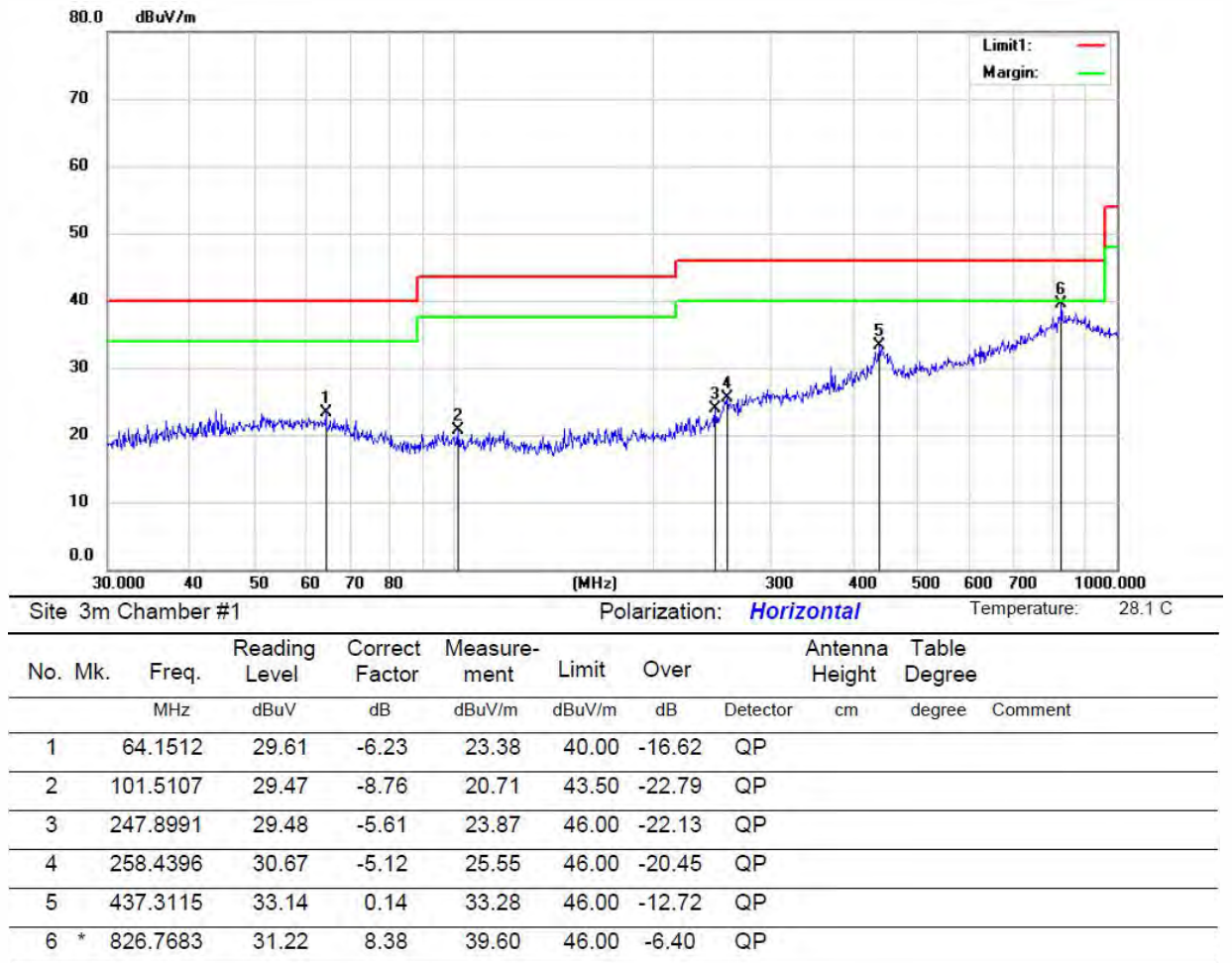
Frequency: 802.11a			Frequency(MHz): 5825		
Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)	Limit 3m(dBuV/m)	Over(dB)	Detector
6214.340	V	48.38	74.00	-25.62	peak
6214.340	V	30.16	54.00	-23.84	AVG
11148.36	V	58.11	74.00	-15.89	peak
11148.36	V	40.08	54.00	-13.92	AVG
17842.01	V	68.99	74.00	-5.01	peak
17842.01	V	50.29	54.00	-3.71	AVG
6168.706	H	47.66	74.00	-26.34	peak
6168.706	H	30.57	54.00	-23.43	AVG
11162.87	H	58.54	74.00	-15.46	peak
11162.87	H	40.38	54.00	-13.62	AVG
17849.75	H	68.20	74.00	-5.80	peak
17849.75	H	50.28	54.00	-3.72	AVG

- Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor +Cable Loss.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)
All modes have been tested, and the worst result recorded was report as below:

Test mode: 802.11a Frequency(MHz): 5180

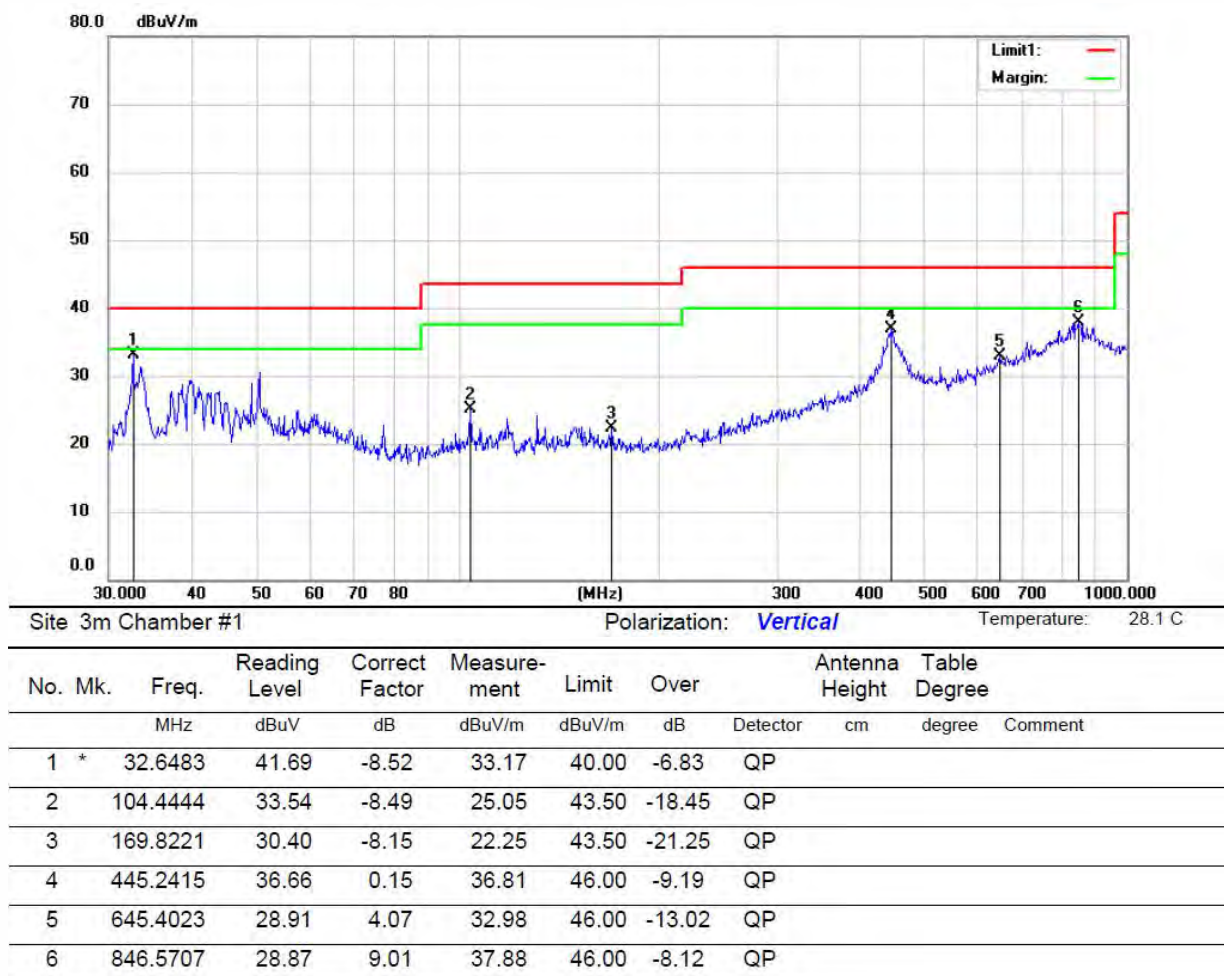




Test mode: 802.11a Frequency(MHz): 5200



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		43.6968	29.99	-6.84	23.15	40.00	-16.85	QP		
2		64.1512	30.61	-6.23	24.38	40.00	-15.62	QP		
3		174.5005	30.20	-7.93	22.27	43.50	-21.23	QP		
4		307.0227	29.84	-3.20	26.64	46.00	-19.36	QP		
5		437.3115	32.64	0.14	32.78	46.00	-13.22	QP		
6	*	826.7683	30.72	8.38	39.10	46.00	-6.90	QP		



Test mode: 802.11a Frequency(MHz): 5240

