







8.2 MAXIMUM CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I

According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C

According to FCC Part 15.407(a)(3) for UNII Band III

According to 789033 D02 Section II(E)

8.2.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

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

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

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

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

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

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

■ For the band 5.725-5.85 GHz

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

8.2.3 Test Configuration

Test according to clause 6.1 radio frequency test setup 1.

8.2.4 Test Procedure

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

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

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

8.2.5 Test Results

Software Power Setting:	
11A	B1: 10 B2: 1A B3: 19 B4: 1A
11N20	B1: 6 B2: 12 B3: 11 B4: 1A
11N40	B1: 0E B2: 1A B3: 18 B4: 1A
11AC20	B1: 6 B2: 12 B3: 11 B4: 1A
11AC40	B1: 0D B2: 18 B3: 16 B4: 1A
11AC80	B1: 11 B2: 1A B3: 1A B4: 1A

Test Mode	Antenna	Frequency[MHz]	TPC	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	---	14.72	96.55	0.15	14.87	28.32	4.67	19.54	---	PASS
	Ant2	5180	---	15.25	95.86	0.18	15.43	28.32	4.67	20.10	---	PASS
	Ant1	5200	---	14.68	95.89	0.18	14.86	28.32	4.67	19.53	---	PASS
	Ant2	5200	---	15.35	95.89	0.18	15.53	28.32	4.67	20.20	---	PASS
	Ant1	5240	---	15.19	96.55	0.15	15.34	28.32	4.67	20.01	---	PASS
	Ant2	5240	---	14.88	95.86	0.18	15.06	28.32	4.67	19.73	---	PASS
	Ant1	5260	TPC_H	20.42	95.86	0.18	20.60	22.3	4.67	25.27	28.32	PASS
			TPC_L	16.01	96.55	0.15	16.16	22.28	4.67	20.83	28.32	PASS
	Ant2	5260	TPC_H	18.97	95.86	0.18	19.15	22.2	4.67	23.82	28.32	PASS
			TPC_L	15.59	96.55	0.15	15.74	22.25	4.67	20.41	28.32	PASS
	Ant1	5280	TPC_H	20.07	96.55	0.15	20.22	22.3	4.67	24.89	28.32	PASS
			TPC_L	20.21	96.55	0.15	20.36	22.3	4.67	25.03	28.32	PASS
	Ant2	5280	TPC_H	18.85	95.86	0.18	19.03	22.24	4.67	23.70	28.32	PASS
			TPC_L	15.77	96.55	0.15	15.92	22.2	4.67	20.59	28.32	PASS
	Ant1	5320	TPC_H	19.65	95.89	0.18	19.83	22.29	4.67	24.50	28.32	PASS
			TPC_L	16.29	95.86	0.18	16.47	22.3	4.67	21.14	28.32	PASS
	Ant2	5320	TPC_H	18.84	95.86	0.18	19.02	22.22	4.67	23.69	28.32	PASS
			TPC_L	15.03	95.89	0.18	15.21	22.22	4.67	19.88	28.32	PASS
	Ant1	5500	TPC_H	18.52	95.89	0.18	18.70	22.27	4.67	23.37	28.32	PASS
			TPC_L	15.28	95.67	0.19	15.47	22.3	4.67	20.14	28.32	PASS
	Ant2	5500	TPC_H	19.37	95.86	0.18	19.55	22.2	4.67	24.22	28.32	PASS
			TPC_L	15.40	95.86	0.18	15.58	22.22	4.67	20.25	28.32	PASS
	Ant1	5580	TPC_H	18.58	95.86	0.18	18.76	22.29	4.67	23.43	28.32	PASS
			TPC_L	15.46	95.89	0.18	15.64	22.3	4.67	20.31	28.32	PASS
	Ant2	5580	TPC_H	19.24	96.55	0.15	19.39	22.23	4.67	24.06	28.32	PASS
			TPC_L	15.57	95.86	0.18	15.75	22.26	4.67	20.42	28.32	PASS
	Ant1	5700	TPC_H	20.16	95.86	0.18	20.34	22.28	4.67	25.01	28.32	PASS
			TPC_L	16.78	96.55	0.15	16.93	22.28	4.67	21.60	28.32	PASS
	Ant2	5700	TPC_H	19.61	95.89	0.18	19.79	22.24	4.67	24.46	28.32	PASS
			TPC_L	15.94	95.89	0.18	16.12	22.22	4.67	20.79	28.32	PASS
	Ant1	5745	---	19.98	95.89	0.18	20.16	28.32	4.67	24.83	---	PASS
	Ant2	5745	---	18.48	95.86	0.18	18.66	28.32	4.67	23.33	---	PASS
	Ant1	5785	---	19.96	96.55	0.15	20.11	28.32	4.67	24.78	---	PASS
	Ant2	5785	---	18.24	95.89	0.18	18.42	28.32	4.67	23.09	---	PASS
	Ant1	5825	---	18.58	95.86	0.18	18.76	28.32	4.67	23.43	---	PASS
	Ant2	5825	---	17.68	95.89	0.18	17.86	28.32	4.67	22.53	---	PASS
11N20MIMO	Ant1	5180	---	10.01	95.62	0.19	10.20	28.32	4.67	14.87	---	PASS
	Ant2	5180	---	10.10	96.32	0.16	10.26	28.32	4.67	14.93	---	PASS
	total	5180	---	---	---	---	13.24	28.32	---	17.91	---	PASS
	Ant1	5200	---	10.02	96.32	0.16	10.18	28.32	4.67	14.85	---	PASS
	Ant2	5200	---	9.88	95.59	0.20	10.08	28.32	4.67	14.75	---	PASS
	total	5200	---	---	---	---	13.14	28.32	---	17.81	---	PASS
	Ant1	5240	---	10.59	96.32	0.16	10.75	28.32	4.67	15.42	---	PASS
	Ant2	5240	---	9.47	96.32	0.16	9.63	28.32	4.67	14.30	---	PASS
	total	5240	---	---	---	---	13.24	28.32	---	17.91	---	PASS
	Ant1	5260	TPC_H	16.37	95.62	0.19	16.56	22.3	4.67	21.23	28.32	PASS
			TPC_L	12.94	96.32	0.16	13.10	22.3	4.67	17.77	28.32	PASS
	Ant2	5260	TPC_H	15.23	96.32	0.16	15.39	22.3	4.67	20.06	28.32	PASS
			TPC_L	11.88	95.62	0.19	12.07	22.3	4.67	16.74	28.32	PASS
	total	5260	TPC_H	---	---	---	19.02	22.3	---	23.69	28.32	PASS
			TPC_L	---	---	---	15.63	22.3	---	20.30	28.32	PASS
	Ant1	5280	TPC_H	16.28	95.62	0.19	16.47	22.3	4.67	21.14	28.32	PASS
			TPC_L	13.21	95.62	0.19	13.40	22.3	4.67	18.07	28.32	PASS
	Ant2	5280	TPC_H	15.11	96.32	0.16	15.27	22.3	4.67	19.94	28.32	PASS
			TPC_L	11.83	96.32	0.16	11.99	22.3	4.67	16.66	28.32	PASS
	total	5280	TPC_H	---	---	---	18.92	22.3	---	23.59	28.32	PASS
			TPC_L	---	---	---	15.76	22.3	---	20.43	28.32	PASS

	Ant1	5320	TPC_H	16.02	95.62	0.19	16.21	22.3	4.67	20.88	28.32	PASS
			TPC_L	12.90	96.32	0.16	13.06	22.3	4.67	17.73	28.32	PASS
Ant2	5320		TPC_H	15.08	95.62	0.19	15.27	22.3	4.67	19.94	28.32	PASS
			TPC_L	11.85	95.59	0.20	12.05	22.3	4.67	16.72	28.32	PASS
total	5320		TPC_H	---	---	---	18.78	22.3	---	23.45	28.32	PASS
			TPC_L	---	---	---	15.59	22.3	---	20.26	28.32	PASS
Ant1	5500		TPC_H	15.05	96.32	0.16	15.21	22.3	4.67	19.88	28.32	PASS
			TPC_L	11.52	96.32	0.16	11.68	22.3	4.67	16.35	28.32	PASS
Ant2	5500		TPC_H	15.33	96.32	0.16	15.49	22.3	4.67	20.16	28.32	PASS
			TPC_L	10.90	95.59	0.20	11.10	22.3	4.67	15.77	28.32	PASS
total	5500		TPC_H	---	---	---	18.36	22.3	---	23.03	28.32	PASS
			TPC_L	---	---	---	14.41	22.3	---	19.08	28.32	PASS
Ant1	5580		TPC_H	15.02	96.32	0.16	15.18	22.3	4.67	19.85	28.32	PASS
			TPC_L	11.17	95.59	0.20	11.37	22.3	4.67	16.04	28.32	PASS
Ant2	5580		TPC_H	15.25	95.59	0.20	15.45	22.3	4.67	20.12	28.32	PASS
			TPC_L	11.00	95.62	0.19	11.19	22.3	4.67	15.86	28.32	PASS
total	5580		TPC_H	---	---	---	18.33	22.3	---	23.00	28.32	PASS
			TPC_L	---	---	---	14.29	22.3	---	18.96	28.32	PASS
Ant1	5700		TPC_H	16.71	95.62	0.19	16.90	22.3	4.67	21.57	28.32	PASS
			TPC_L	12.90	96.32	0.16	13.06	22.3	4.67	17.73	28.32	PASS
Ant2	5700		TPC_H	15.64	95.62	0.19	15.83	22.3	4.67	20.50	28.32	PASS
			TPC_L	12.35	96.32	0.16	12.51	22.3	4.67	17.18	28.32	PASS
total	5700		TPC_H	---	---	---	19.41	22.3	---	24.08	28.32	PASS
			TPC_L	---	---	---	15.80	22.3	---	20.47	28.32	PASS
Ant1	5745		---	20.47	96.32	0.16	20.63	28.32	4.67	25.30	---	PASS
Ant2	5745		---	19.00	95.62	0.19	19.19	28.32	4.67	23.86	---	PASS
total	5745		---	---	---	---	22.98	28.32	---	27.65	---	PASS
Ant1	5785		---	20.37	95.62	0.19	20.56	28.32	4.67	25.23	---	PASS
Ant2	5785		---	18.67	95.62	0.19	18.86	28.32	4.67	23.53	---	PASS
total	5785		---	---	---	---	22.80	28.32	---	27.47	---	PASS
Ant1	5825		---	19.06	96.32	0.16	19.22	28.32	4.67	23.89	---	PASS
Ant2	5825		---	18.12	95.59	0.20	18.32	28.32	4.67	22.99	---	PASS
total	5825		---	---	---	---	21.80	28.32	---	26.47	---	PASS
11N40MIMO	Ant1	5190	---	13.11	92.86	0.32	13.43	28.32	4.67	18.10	---	PASS
	Ant2	5190	---	12.57	92.86	0.32	12.89	28.32	4.67	17.56	---	PASS
	total	5190	---	---	---	---	16.18	28.32	---	20.85	---	PASS
	Ant1	5230	---	13.68	91.43	0.39	14.07	28.32	4.67	18.74	---	PASS
	Ant2	5230	---	12.17	91.43	0.39	12.56	28.32	4.67	17.23	---	PASS
	total	5230	---	---	---	---	16.39	28.32	---	21.06	---	PASS
	Ant1	5270	TPC_H	19.59	91.43	0.39	19.98	22.3	4.67	24.65	28.32	PASS
		TPC_L	15.24	92.86	0.32	15.56	22.3	4.67	20.23	28.32	PASS	
	Ant2	5270	TPC_H	18.33	91.43	0.39	18.72	22.3	4.67	23.39	28.32	PASS
		TPC_L	13.78	92.86	0.32	14.10	22.3	4.67	18.77	28.32	PASS	
	total	5270	TPC_H	---	---	---	22.41	22.3	---	27.08	28.32	PASS
		TPC_L	---	---	---	---	17.90	22.3	---	22.57	28.32	PASS
	Ant1	5310	TPC_H	19.26	92.86	0.32	19.58	22.3	4.67	24.25	28.32	PASS
		TPC_L	15.08	92.86	0.32	15.40	22.3	4.67	20.07	28.32	PASS	
	Ant2	5310	TPC_H	18.17	91.43	0.39	18.56	22.3	4.67	23.23	28.32	PASS
		TPC_L	13.83	91.55	0.38	14.21	22.3	4.67	18.88	28.32	PASS	
	total	5310	TPC_H	---	---	---	22.11	22.3	---	26.78	28.32	PASS
		TPC_L	---	---	---	---	17.86	22.3	---	22.53	28.32	PASS
	Ant1	5510	TPC_H	18.04	91.43	0.39	18.43	22.3	4.67	23.10	28.32	PASS
		TPC_L	14.09	91.43	0.39	14.48	22.3	4.67	19.15	28.32	PASS	
	Ant2	5510	TPC_H	18.27	91.55	0.38	18.65	22.3	4.67	23.32	28.32	PASS
		TPC_L	13.27	92.86	0.32	13.59	22.3	4.67	18.26	28.32	PASS	
	total	5510	TPC_H	---	---	---	21.55	22.3	---	26.22	28.32	PASS
		TPC_L	---	---	---	---	17.07	22.3	---	21.74	28.32	PASS
	Ant1	5550	TPC_H	17.53	91.55	0.38	17.91	22.3	4.67	22.58	28.32	PASS
		TPC_L	14.08	92.86	0.32	14.40	22.3	4.67	19.07	28.32	PASS	
	Ant2	5550	TPC_H	17.62	92.86	0.32	17.94	22.3	4.67	22.61	28.32	PASS
		TPC_L	13.19	92.86	0.32	13.51	22.3	4.67	18.18	28.32	PASS	

	total	5550	TPC_H	---	---	---	20.94	22.3	---	25.61	28.32	PASS
			TPC_L	---	---	---	16.99	22.3	---	21.66	28.32	PASS
Ant1	5670	TPC_H	18.88	91.55	0.38	19.26	22.3	4.67	23.93	28.32	PASS	
		TPC_L	15.23	91.43	0.39	15.62	22.3	4.67	20.29	28.32	PASS	
Ant2	5670	TPC_H	18.62	92.86	0.32	18.94	22.3	4.67	23.61	28.32	PASS	
		TPC_L	14.92	91.43	0.39	15.31	22.3	4.67	19.98	28.32	PASS	
total	5670	TPC_H	---	---	---	22.11	22.3	---	26.78	28.32	PASS	
		TPC_L	---	---	---	18.48	22.3	---	23.15	28.32	PASS	
Ant1	5755	---	20.22	91.43	0.39	20.61	28.32	4.67	25.28	---	PASS	
Ant2	5755	---	18.47	91.55	0.38	18.85	28.32	4.67	23.52	---	PASS	
total	5755	---	---	---	---	22.83	28.32	---	27.50	---	PASS	
Ant1	5795	---	19.88	91.55	0.38	20.26	28.32	4.67	24.93	---	PASS	
Ant2	5795	---	17.87	91.55	0.38	18.25	28.32	4.67	22.92	---	PASS	
total	5795	---	---	---	---	22.38	28.32	---	27.05	---	PASS	
11AC20MIMO	Ant1	5180	---	10.46	91.89	0.37	10.83	28.32	4.67	15.50	---	PASS
	Ant2	5180	---	9.99	91.89	0.37	10.36	28.32	4.67	15.03	---	PASS
	total	5180	---	---	---	---	13.61	28.32	---	18.28	---	PASS
	Ant1	5200	---	10.31	91.89	0.37	10.68	28.32	4.67	15.35	---	PASS
	Ant2	5200	---	9.93	91.89	0.37	10.30	28.32	4.67	14.97	---	PASS
	total	5200	---	---	---	---	13.50	28.32	---	18.17	---	PASS
	Ant1	5240	---	10.78	91.89	0.37	11.15	28.32	4.67	15.82	---	PASS
	Ant2	5240	---	9.44	91.89	0.37	9.81	28.32	4.67	14.48	---	PASS
	total	5240	---	---	---	---	13.54	28.32	---	18.21	---	PASS
	Ant1	5260	TPC_H	16.77	91.89	0.37	17.14	22.3	4.67	21.81	28.32	PASS
			TPC_L	13.17	91.89	0.37	13.54	22.3	4.67	18.21	28.32	PASS
	Ant2	5260	TPC_H	15.38	91.89	0.37	15.75	22.3	4.67	20.42	28.32	PASS
			TPC_L	11.49	91.89	0.37	11.86	22.3	4.67	16.53	28.32	PASS
	total	5260	TPC_H	---	---	---	19.51	22.3	---	24.18	28.32	PASS
			TPC_L	---	---	---	15.79	22.3	---	20.46	28.32	PASS
	Ant1	5280	TPC_H	16.53	91.89	0.37	16.90	22.3	4.67	21.57	28.32	PASS
			TPC_L	12.60	93.24	0.30	12.90	22.3	4.67	17.57	28.32	PASS
	Ant2	5280	TPC_H	15.23	91.89	0.37	15.60	22.3	4.67	20.27	28.32	PASS
			TPC_L	11.18	91.89	0.37	11.55	22.3	4.67	16.22	28.32	PASS
	total	5280	TPC_H	---	---	---	19.31	22.3	---	23.98	28.32	PASS
			TPC_L	---	---	---	15.29	22.3	---	19.96	28.32	PASS
	Ant1	5320	TPC_H	16.28	91.89	0.37	16.65	22.3	4.67	21.32	28.32	PASS
			TPC_L	12.48	91.89	0.37	12.85	22.3	4.67	17.52	28.32	PASS
	Ant2	5320	TPC_H	15.15	91.89	0.37	15.52	22.3	4.67	20.19	28.32	PASS
			TPC_L	11.43	91.89	0.37	11.80	22.3	4.67	16.47	28.32	PASS
	total	5320	TPC_H	---	---	---	19.13	22.3	---	23.80	28.32	PASS
			TPC_L	---	---	---	15.37	22.3	---	20.04	28.32	PASS
	Ant1	5500	TPC_H	14.78	91.89	0.37	15.15	22.3	4.67	19.82	28.32	PASS
			TPC_L	11.20	91.89	0.37	11.57	22.3	4.67	16.24	28.32	PASS
	Ant2	5500	TPC_H	15.01	93.24	0.30	15.31	22.3	4.67	19.98	28.32	PASS
			TPC_L	10.38	91.89	0.37	10.75	22.3	4.67	15.42	28.32	PASS
	total	5500	TPC_H	---	---	---	18.24	22.3	---	22.91	28.32	PASS
			TPC_L	---	---	---	14.19	22.3	---	18.86	28.32	PASS
	Ant1	5580	TPC_H	14.82	93.24	0.30	15.12	22.3	4.67	19.79	28.32	PASS
			TPC_L	11.39	91.89	0.37	11.76	22.3	4.67	16.43	28.32	PASS
	Ant2	5580	TPC_H	14.89	91.89	0.37	15.26	22.3	4.67	19.93	28.32	PASS
			TPC_L	10.59	91.89	0.37	10.96	22.3	4.67	15.63	28.32	PASS
	total	5580	TPC_H	---	---	---	18.20	22.3	---	22.87	28.32	PASS
			TPC_L	---	---	---	14.39	22.3	---	19.06	28.32	PASS
	Ant1	5700	TPC_H	16.64	91.89	0.37	17.01	22.3	4.67	21.68	28.32	PASS
			TPC_L	12.50	93.24	0.30	12.80	22.3	4.67	17.47	28.32	PASS
	Ant2	5700	TPC_H	15.46	91.89	0.37	15.83	22.3	4.67	20.50	28.32	PASS
			TPC_L	11.90	93.24	0.30	12.20	22.3	4.67	16.87	28.32	PASS
	total	5700	TPC_H	---	---	---	19.47	22.3	---	24.14	28.32	PASS
			TPC_L	---	---	---	15.52	22.3	---	20.19	28.32	PASS
Ant1	5745	---	20.63	91.89	0.37	21.00	28.32	4.67	25.67	---	PASS	
Ant2	5745	---	19.00	91.89	0.37	19.37	28.32	4.67	24.04	---	PASS	

11AC40MIMO	total	5745	---	---	---	---	23.27	28.32	---	27.94	---	PASS
	Ant1	5785	---	20.28	91.89	0.37	20.65	28.32	4.67	25.32	---	PASS
	Ant2	5785	---	18.46	91.89	0.37	18.83	28.32	4.67	23.50	---	PASS
	total	5785	---	---	---	---	22.84	28.32	---	27.51	---	PASS
	Ant1	5825	---	18.91	93.24	0.30	19.21	28.32	4.67	23.88	---	PASS
	Ant2	5825	---	17.91	91.89	0.37	18.28	28.32	4.67	22.95	---	PASS
	total	5825	---	---	---	---	21.78	28.32	---	26.45	---	PASS
	Ant1	5190	---	13.16	85.37	0.69	13.85	28.32	4.67	18.52	---	PASS
	Ant2	5190	---	12.72	85.37	0.69	13.41	28.32	4.67	18.08	---	PASS
	total	5190	---	---	---	---	16.65	28.32	---	21.32	---	PASS
	Ant1	5230	---	13.73	85.37	0.69	14.42	28.32	4.67	19.09	---	PASS
	Ant2	5230	---	12.34	87.50	0.58	12.92	28.32	4.67	17.59	---	PASS
	total	5230	---	---	---	---	16.74	28.32	---	21.41	---	PASS
11AC80MIMO	Ant1	5270	TPC_H	19.25	87.80	0.57	19.82	22.3	4.67	24.49	28.32	PASS
			TPC_L	14.89	85.37	0.69	15.58	22.3	4.67	20.25	28.32	PASS
	Ant2	5270	TPC_H	17.95	87.50	0.58	18.53	22.3	4.67	23.20	28.32	PASS
			TPC_L	13.40	85.37	0.69	14.09	22.3	4.67	18.76	28.32	PASS
	total	5270	TPC_H	---	---	---	22.23	22.3	---	26.90	28.32	PASS
			TPC_L	---	---	---	17.91	22.3	---	22.58	28.32	PASS
	Ant1	5310	TPC_H	19.01	87.80	0.57	19.58	22.3	4.67	24.25	28.32	PASS
			TPC_L	14.69	87.80	0.57	15.26	22.3	4.67	19.93	28.32	PASS
	Ant2	5310	TPC_H	17.93	87.50	0.58	18.51	22.3	4.67	23.18	28.32	PASS
			TPC_L	13.54	85.37	0.69	14.23	22.3	4.67	18.90	28.32	PASS
	total	5310	TPC_H	---	---	---	22.09	22.3	---	26.76	28.32	PASS
			TPC_L	---	---	---	17.79	22.3	---	22.46	28.32	PASS
	Ant1	5510	TPC_H	17.22	87.50	0.58	17.80	22.3	4.67	22.47	28.32	PASS
			TPC_L	12.95	85.37	0.69	13.64	22.3	4.67	18.31	28.32	PASS
11AC80MIMO	Ant2	5510	TPC_H	17.62	87.50	0.58	18.20	22.3	4.67	22.87	28.32	PASS
			TPC_L	12.63	87.50	0.58	13.21	22.3	4.67	17.88	28.32	PASS
	total	5510	TPC_H	---	---	---	21.01	22.3	---	25.68	28.32	PASS
			TPC_L	---	---	---	16.44	22.3	---	21.11	28.32	PASS
	Ant1	5550	TPC_H	16.93	87.50	0.58	17.51	22.3	4.67	22.18	28.32	PASS
			TPC_L	12.32	87.50	0.58	12.90	22.3	4.67	17.57	28.32	PASS
	Ant2	5550	TPC_H	17.34	85.37	0.69	18.03	22.3	4.67	22.70	28.32	PASS
			TPC_L	12.05	85.37	0.69	12.74	22.3	4.67	17.41	28.32	PASS
	total	5550	TPC_H	---	---	---	20.79	22.3	---	25.46	28.32	PASS
			TPC_L	---	---	---	15.83	22.3	---	20.50	28.32	PASS
	Ant1	5670	TPC_H	18.29	85.37	0.69	18.98	22.3	4.67	23.65	28.32	PASS
			TPC_L	13.55	85.37	0.69	14.24	22.3	4.67	18.91	28.32	PASS
	Ant2	5670	TPC_H	18.27	85.37	0.69	18.96	22.3	4.67	23.63	28.32	PASS
			TPC_L	13.53	87.50	0.58	14.11	22.3	4.67	18.78	28.32	PASS
	total	5670	TPC_H	---	---	---	21.98	22.3	---	26.65	28.32	PASS
			TPC_L	---	---	---	17.19	22.3	---	21.86	28.32	PASS
11AC80MIMO	Ant1	5755	---	19.86	87.50	0.58	20.44	28.32	4.67	25.11	---	PASS
	Ant2	5755	---	18.73	85.37	0.69	19.42	28.32	4.67	24.09	---	PASS
	total	5755	---	---	---	---	22.97	28.32	---	27.64	---	PASS
	Ant1	5795	---	19.98	85.37	0.69	20.67	28.32	4.67	25.34	---	PASS
	Ant2	5795	---	18.17	87.80	0.57	18.74	28.32	4.67	23.41	---	PASS
	total	5795	---	---	---	---	22.82	28.32	---	27.49	---	PASS
	Ant1	5210	---	15.21	75.00	1.25	16.46	28.32	4.67	21.13	---	PASS
	Ant2	5210	---	13.83	79.17	1.01	14.84	28.32	4.67	19.51	---	PASS
	total	5210	---	---	---	---	18.74	28.32	---	23.41	---	PASS
	Ant1	5290	TPC_H	19.21	79.17	1.01	20.22	22.3	4.67	24.89	28.32	PASS
			TPC_L	14.43	79.17	1.01	15.44	22.3	4.67	20.11	28.32	PASS
	Ant2	5290	TPC_H	18.04	76.00	1.19	19.23	22.3	4.67	23.90	28.32	PASS
			TPC_L	13.69	79.17	1.01	14.70	22.3	4.67	19.37	28.32	PASS
	total	5290	TPC_H	---	---	---	22.76	22.3	---	27.43	28.32	PASS
			TPC_L	---	---	---	18.10	22.3	---	22.77	28.32	PASS
11AC80MIMO	Ant1	5530	TPC_H	18.47	76.00	1.19	19.66	22.3	4.67	24.33	28.32	PASS
			TPC_L	14.48	76.00	1.19	15.67	22.3	4.67	20.34	28.32	PASS
	Ant2	5530	TPC_H	18.93	79.17	1.01	19.94	22.3	4.67	24.61	28.32	PASS

		TPC_L	14.43	76.00	1.19	15.62	22.3	4.67	20.29	28.32	PASS
total	5530	TPC_H	---	---	---	22.81	22.3	---	27.48	28.32	PASS
		TPC_L	---	---	---	18.66	22.3	---	23.33	28.32	PASS
Ant1	5610	TPC_H	19.16	79.17	1.01	20.17	22.3	4.67	24.84	28.32	PASS
		TPC_L	15.17	76.00	1.19	16.36	22.3	4.67	21.03	28.32	PASS
Ant2	5610	TPC_H	19.24	79.17	1.01	20.25	22.3	4.67	24.92	28.32	PASS
		TPC_L	15.32	76.00	1.19	16.51	22.3	4.67	21.18	28.32	PASS
total	5610	TPC_H	---	---	---	23.22	22.3	---	27.89	28.32	PASS
		TPC_L	---	---	---	19.45	22.3	---	24.12	28.32	PASS
Ant1	5775	---	19.66	79.17	1.01	20.67	28.32	4.67	25.34	---	PASS
Ant2	5775	---	17.96	75.00	1.25	19.21	28.32	4.67	23.88	---	PASS
total	5775	---	---	---	---	23.01	28.32	---	27.68	---	PASS























































