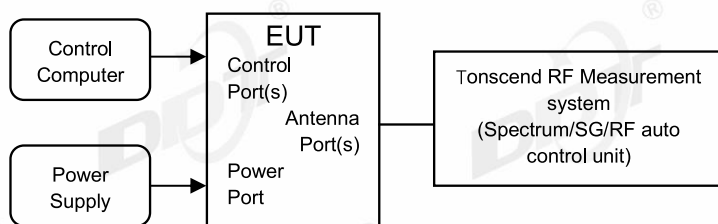


8. Maximum Output Power

8.1. Block diagram of test setup



8.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	For FCC: outdoor access point: 1 W(30 dBm) indoor access point: 1 W(30 dBm) fixed point-to-point access points 1 W(30 dBm) client devices: 250 mW (24 dBm)	5150-5250
	For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5250-5350
	For RSS: For conducted output power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 5725
	For RSS: For conducted output power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$	5725-5850
1 Watt (30 dBm)		
Note 1: For FCC: B=26 bandwidth; For ISSED: B=99% bandwidth.		
Note 2: For 802.11n, 802.11ac and 802.11ax, the EUT incorporates a MIMO function. The Antenna directional gain is 7.0 dBi. The Output Power limit is the above limits-(7.0-6) dB		

8.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator

Measure the output power of each antenna port by power sensor.

8.4. Test result channel power

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	20.6-23.2℃, 53.6-55.2%RH	Test Date:	2023.12.04-2024.02.29
Test Power Supply:	DC 12V from adapter	Sample Number:	S23111603-02

Test Mode	Antenna	Frequency [MHz]	TPC	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict	
11A	Ant1	5180	NA	95.86	0.18	12.17	≤29.00	19.17	21.38	PASS	
	Ant2	5180	NA	95.86	0.18	10.90	≤29.00	17.90	21.37	PASS	
	Ant1	5200	NA	95.86	0.18	12.17	≤29.00	19.17	21.38	PASS	
	Ant2	5200	NA	95.86	0.18	10.97	≤29.00	17.97	21.37	PASS	
	Ant1	5240	NA	95.86	0.18	12.58	≤29.00	19.58	21.38	PASS	
	Ant2	5240	NA	95.86	0.18	11.68	≤29.00	18.68	21.37	PASS	
	Ant1	5260	TPC_L	95.86	0.18	6.75	≤22.98	13.75	28.35	PASS	
			TPC_H	95.86	0.18	14.04	≤22.98	21.04	28.35	PASS	
	Ant2	5260	TPC_L	95.86	0.18	5.88	≤22.98	12.88	28.35	PASS	
			TPC_H	95.86	0.18	12.78	≤22.98	19.78	28.35	PASS	
	Ant1	5280	TPC_L	95.86	0.18	6.78	≤22.98	13.78	28.35	PASS	
			TPC_H	95.86	0.18	14.10	≤22.98	21.10	28.35	PASS	
	Ant2	5280	TPC_L	95.86	0.18	6.07	≤22.98	13.07	28.35	PASS	
			TPC_H	95.86	0.18	12.78	≤22.98	19.78	28.35	PASS	
	Ant1	5320	TPC_L	95.86	0.18	6.79	≤22.98	13.79	28.35	PASS	
			TPC_H	95.86	0.18	13.29	≤22.98	20.29	28.35	PASS	
	Ant2	5320	TPC_L	95.86	0.18	5.51	≤22.98	12.51	28.35	PASS	
			TPC_H	95.86	0.18	12.19	≤22.98	19.19	28.35	PASS	
	Ant1	5500	TPC_L	95.86	0.18	4.54	≤22.98	11.54	28.35	PASS	
			TPC_H	95.86	0.18	11.49	≤22.98	18.49	28.35	PASS	
	Ant2	5500	TPC_L	95.86	0.18	5.22	≤22.98	12.22	28.36	PASS	
			TPC_H	95.86	0.18	12.04	≤22.98	19.04	28.36	PASS	
	Ant1	5580	TPC_L	95.86	0.18	4.47	≤22.98	11.47	28.35	PASS	
			TPC_H	95.86	0.18	11.50	≤22.98	18.50	28.35	PASS	
	Ant2	5580	TPC_L	95.86	0.18	5.85	≤22.98	12.85	28.36	PASS	
			TPC_H	95.86	0.18	12.30	≤22.98	19.30	28.36	PASS	
	Ant1	5700	TPC_L	95.86	0.18	3.89	≤22.98	10.89	28.35	PASS	
			TPC_H	95.86	0.18	10.98	≤22.98	17.98	28.35	PASS	
	Ant2	5700	TPC_L	95.86	0.18	4.44	≤22.98	11.44	28.36	PASS	
			TPC_H	95.86	0.18	11.18	≤22.98	18.18	28.36	PASS	
	Ant1	5720	TPC_L	95.86	0.18	4.14	≤22.98	11.14	28.35	PASS	
			TPC_H	95.86	0.18	11.52	≤22.98	18.52	28.35	PASS	
	Ant2	5720	TPC_L	95.86	0.18	5.03	≤22.98	12.03	28.36	PASS	
			TPC_H	95.86	0.18	11.47	≤22.98	18.47	28.36	PASS	
	Ant1	5745	NA	95.86	0.18	11.00	≤29.00	18.00	---	PASS	
	Ant2	5745	NA	95.86	0.18	11.03	≤29.00	18.03	---	PASS	
	Ant1	5785	NA	95.86	0.18	11.18	≤29.00	18.18	---	PASS	
	Ant2	5785	NA	95.86	0.18	11.52	≤29.00	18.52	---	PASS	
	Ant1	5825	NA	95.86	0.18	11.31	≤29.00	18.31	---	PASS	
	Ant2	5825	NA	95.86	0.18	12.07	≤29.00	19.07	---	PASS	
	11N20MIMO	Ant1	5180	NA	91.78	0.37	9.86	≤29.00	16.86	21.53	PASS
		Ant2	5180	NA	91.78	0.37	8.77	≤29.00	15.77	21.53	PASS
total		5180	NA	---	---	12.36	≤29.00	19.36	21.53	PASS	
Ant1		5200	NA	91.78	0.37	9.83	≤29.00	16.83	21.53	PASS	

Ant2	5200	NA	91.78	0.37	8.83	≤29.00	15.83	21.53	PASS
total	5200	NA	---	---	12.37	≤29.00	19.37	21.53	PASS
Ant1	5240	NA	91.78	0.37	10.39	≤29.00	17.39	21.53	PASS
Ant2	5240	NA	91.78	0.37	9.59	≤29.00	16.59	21.53	PASS
total	5240	NA	---	---	13.02	≤29.00	20.02	21.53	PASS
Ant1	5260	TPC_L	91.78	0.37	4.69	≤22.98	11.69	28.53	PASS
		TPC_H	91.78	0.37	11.53	≤22.98	18.53	28.53	PASS
Ant2	5260	TPC_L	91.78	0.37	4.17	≤22.98	11.17	28.53	PASS
		TPC_H	91.78	0.37	10.62	≤22.98	17.62	28.53	PASS
total	5260	TPC_L	---	---	7.45	≤22.98	14.45	28.53	PASS
		TPC_H	---	---	14.11	≤22.98	21.11	28.53	PASS
Ant1	5280	TPC_L	91.78	0.37	4.69	≤22.98	11.69	28.53	PASS
		TPC_H	91.78	0.37	11.64	≤22.98	18.64	28.53	PASS
Ant2	5280	TPC_L	91.78	0.37	4.34	≤22.98	11.34	28.53	PASS
		TPC_H	91.78	0.37	10.66	≤22.98	17.66	28.53	PASS
total	5280	TPC_L	---	---	7.53	≤22.98	14.53	28.53	PASS
		TPC_H	---	---	14.19	≤22.98	21.19	28.53	PASS
Ant1	5320	TPC_L	91.78	0.37	3.16	≤22.98	10.16	28.53	PASS
		TPC_H	91.78	0.37	10.83	≤22.98	17.83	28.53	PASS
Ant2	5320	TPC_L	91.78	0.37	3.07	≤22.98	10.07	28.53	PASS
		TPC_H	91.78	0.37	10.21	≤22.98	17.21	28.53	PASS
total	5320	TPC_L	---	---	6.13	≤22.98	13.13	28.53	PASS
		TPC_H	---	---	13.54	≤22.98	20.54	28.53	PASS
Ant1	5500	TPC_L	91.78	0.37	2.13	≤22.98	9.13	28.54	PASS
		TPC_H	91.78	0.37	9.15	≤22.98	16.15	28.54	PASS
Ant2	5500	TPC_L	91.78	0.37	2.95	≤22.98	9.95	28.54	PASS
		TPC_H	91.78	0.37	9.74	≤22.98	16.74	28.54	PASS
total	5500	TPC_L	---	---	5.57	≤22.98	12.57	28.54	PASS
		TPC_H	---	---	12.47	≤22.98	19.47	28.54	PASS
Ant1	5580	TPC_L	91.78	0.37	1.89	≤22.98	8.89	28.54	PASS
		TPC_H	91.78	0.37	9.05	≤22.98	16.05	28.54	PASS
Ant2	5580	TPC_L	91.78	0.37	3.39	≤22.98	10.39	28.54	PASS
		TPC_H	91.78	0.37	10.27	≤22.98	17.27	28.54	PASS
total	5580	TPC_L	---	---	5.71	≤22.98	12.71	28.54	PASS
		TPC_H	---	---	12.71	≤22.98	19.71	28.54	PASS
Ant1	5700	TPC_L	91.78	0.37	1.38	≤22.98	8.38	28.54	PASS
		TPC_H	91.78	0.37	8.57	≤22.98	15.57	28.54	PASS
Ant2	5700	TPC_L	91.43	0.39	2.07	≤22.98	9.07	28.54	PASS
		TPC_H	91.02	0.41	9.03	≤22.98	16.03	28.54	PASS
total	5700	TPC_L	---	---	4.75	≤22.98	11.75	28.54	PASS
		TPC_H	---	---	11.82	≤22.98	18.82	28.54	PASS
Ant1	5720	TPC_L	91.78	0.37	1.41	≤22.98	8.41	28.54	PASS
		TPC_H	91.78	0.37	8.82	≤22.98	15.82	28.54	PASS
Ant2	5720	TPC_L	91.78	0.37	2.44	≤22.98	9.44	28.54	PASS
		TPC_H	91.78	0.37	9.01	≤22.98	16.01	28.54	PASS
total	5720	TPC_L	---	---	4.97	≤22.98	11.97	28.54	PASS
		TPC_H	---	---	11.93	≤22.98	18.93	28.54	PASS
Ant1	5745	NA	91.78	0.37	8.51	≤29.00	15.51	---	PASS
Ant2	5745	NA	91.78	0.37	8.50	≤29.00	15.50	---	PASS
total	5745	NA	---	---	11.52	≤29.00	18.52	---	PASS
Ant1	5785	NA	91.78	0.37	8.64	≤29.00	15.64	---	PASS
Ant2	5785	NA	91.78	0.37	9.17	≤29.00	16.17	---	PASS

	total	5785	NA	---	---	11.92	≤29.00	18.92	---	PASS
	Ant1	5825	NA	91.78	0.37	8.85	≤29.00	15.85	---	PASS
	Ant2	5825	NA	91.78	0.37	9.65	≤29.00	16.65	---	PASS
	total	5825	NA	---	---	12.28	≤29.00	19.28	---	PASS
11N40MIMO	Ant1	5190	NA	85.00	0.71	11.18	≤29.00	18.18	22.00	PASS
	Ant2	5190	NA	85.00	0.71	10.24	≤29.00	17.24	22.00	PASS
	total	5190	NA	---	---	13.75	≤29.00	20.75	22.00	PASS
	Ant1	5230	NA	85.00	0.71	11.44	≤29.00	18.44	22.00	PASS
	Ant2	5230	NA	85.00	0.71	10.67	≤29.00	17.67	22.00	PASS
	total	5230	NA	---	---	14.08	≤29.00	21.08	22.00	PASS
	Ant1	5270	TPC_L	85.00	0.71	4.98	≤22.98	11.98	29.00	PASS
			TPC_H	85.00	0.71	11.66	≤22.98	18.66	29.00	PASS
	Ant2	5270	TPC_L	85.00	0.71	4.25	≤22.98	11.25	29.00	PASS
			TPC_H	85.00	0.71	10.82	≤22.98	17.82	29.00	PASS
	total	5270	TPC_L	---	---	7.64	≤22.98	14.64	29.00	PASS
			TPC_H	---	---	14.27	≤22.98	21.27	29.00	PASS
	Ant1	5310	TPC_L	85.00	0.71	3.89	≤22.98	10.89	29.00	PASS
			TPC_H	85.00	0.71	11.18	≤22.98	18.18	29.00	PASS
	Ant2	5310	TPC_L	85.00	0.71	3.76	≤22.98	10.76	29.00	PASS
			TPC_H	85.00	0.71	10.56	≤22.98	17.56	29.00	PASS
	total	5310	TPC_L	---	---	6.84	≤22.98	13.84	29.00	PASS
			TPC_H	---	---	13.89	≤22.98	20.89	29.00	PASS
	Ant1	5510	TPC_L	85.00	0.71	2.17	≤22.98	9.17	29.00	PASS
			TPC_H	85.00	0.71	9.54	≤22.98	16.54	29.00	PASS
	Ant2	5510	TPC_L	85.00	0.71	3.15	≤22.98	10.15	29.00	PASS
			TPC_H	85.00	0.71	10.09	≤22.98	17.09	29.00	PASS
	total	5510	TPC_L	---	---	5.70	≤22.98	12.70	29.00	PASS
			TPC_H	---	---	12.83	≤22.98	19.83	29.00	PASS
	Ant1	5550	TPC_L	85.00	0.71	2.18	≤22.98	9.18	29.00	PASS
			TPC_H	85.00	0.71	9.67	≤22.98	16.67	29.00	PASS
	Ant2	5550	TPC_L	85.00	0.71	3.00	≤22.98	10.00	29.00	PASS
			TPC_H	85.00	0.71	10.33	≤22.98	17.33	29.00	PASS
	total	5550	TPC_L	---	---	5.62	≤22.98	12.62	29.00	PASS
			TPC_H	---	---	13.02	≤22.98	20.02	29.00	PASS
	Ant1	5670	TPC_L	85.00	0.71	1.73	≤22.98	8.73	29.00	PASS
			TPC_H	85.00	0.71	9.23	≤22.98	16.23	29.00	PASS
	Ant2	5670	TPC_L	85.00	0.71	3.68	≤22.98	10.68	29.00	PASS
			TPC_H	85.00	0.71	10.76	≤22.98	17.76	29.00	PASS
	total	5670	TPC_L	---	---	5.82	≤22.98	12.82	29.00	PASS
			TPC_H	---	---	13.07	≤22.98	20.07	29.00	PASS
	Ant1	5710	TPC_L	85.00	0.71	1.77	≤22.98	8.77	29.00	PASS
			TPC_H	85.00	0.71	9.13	≤22.98	16.13	29.00	PASS
	Ant2	5710	TPC_L	85.00	0.71	2.41	≤22.98	9.41	29.00	PASS
			TPC_H	85.00	0.71	9.63	≤22.98	16.63	29.00	PASS
	total	5710	TPC_L	---	---	5.11	≤22.98	12.11	29.00	PASS
			TPC_H	---	---	12.40	≤22.98	19.40	29.00	PASS
Ant1	5755	NA	85.00	0.71	8.69	≤29.00	15.69	---	PASS	
Ant2	5755	NA	85.00	0.71	9.24	≤29.00	16.24	---	PASS	
total	5755	NA	---	---	11.98	≤29.00	18.98	---	PASS	
Ant1	5795	NA	85.00	0.71	8.84	≤29.00	15.84	---	PASS	
Ant2	5795	NA	85.00	0.71	9.71	≤29.00	16.71	---	PASS	
total	5795	NA	---	---	12.31	≤29.00	19.31	---	PASS	

11AC20MIMO	Ant1	5180	NA	88.89	0.51	10.00	≤29.00	17.00	21.54	PASS
	Ant2	5180	NA	88.89	0.51	8.99	≤29.00	15.99	21.54	PASS
	total	5180	NA	---	---	12.53	≤29.00	19.53	21.54	PASS
	Ant1	5200	NA	88.89	0.51	10.00	≤29.00	17.00	21.54	PASS
	Ant2	5200	NA	88.89	0.51	9.91	≤29.00	16.91	21.54	PASS
	total	5200	NA	---	---	12.97	≤29.00	19.97	21.54	PASS
	Ant1	5240	NA	88.89	0.51	10.43	≤29.00	17.43	21.54	PASS
	Ant2	5240	NA	88.89	0.51	9.67	≤29.00	16.67	21.54	PASS
	total	5240	NA	---	---	13.08	≤29.00	20.08	21.54	PASS
	Ant1	5260	TPC_L	88.89	0.51	4.77	≤22.98	11.77	28.55	PASS
			TPC_H	88.89	0.51	11.20	≤22.98	18.20	28.55	PASS
	Ant2	5260	TPC_L	88.89	0.51	3.91	≤22.98	10.91	28.55	PASS
			TPC_H	88.89	0.51	10.28	≤22.98	17.28	28.55	PASS
	total	5260	TPC_L	---	---	7.37	≤22.98	14.37	28.55	PASS
			TPC_H	---	---	13.77	≤22.98	20.77	28.55	PASS
	Ant1	5280	TPC_L	88.89	0.51	4.14	≤22.98	11.14	28.55	PASS
			TPC_H	88.89	0.51	11.38	≤22.98	18.38	28.55	PASS
	Ant2	5280	TPC_L	88.89	0.51	3.95	≤22.98	10.95	28.55	PASS
			TPC_H	88.89	0.51	10.39	≤22.98	17.39	28.55	PASS
	total	5280	TPC_L	---	---	7.06	≤22.98	14.06	28.55	PASS
			TPC_H	---	---	13.92	≤22.98	20.92	28.55	PASS
	Ant1	5320	TPC_L	88.89	0.51	3.54	≤22.98	10.54	28.55	PASS
			TPC_H	88.89	0.51	10.65	≤22.98	17.65	28.55	PASS
	Ant2	5320	TPC_L	88.89	0.51	3.34	≤22.98	10.34	28.55	PASS
			TPC_H	88.89	0.51	9.99	≤22.98	16.99	28.55	PASS
	total	5320	TPC_L	---	---	6.45	≤22.98	13.45	28.55	PASS
			TPC_H	---	---	13.34	≤22.98	20.34	28.55	PASS
	Ant1	5500	TPC_L	88.89	0.51	1.94	≤22.98	8.94	28.55	PASS
			TPC_H	88.89	0.51	9.03	≤22.98	16.03	28.55	PASS
	Ant2	5500	TPC_L	88.89	0.51	2.75	≤22.98	9.75	28.55	PASS
			TPC_H	88.89	0.51	9.57	≤22.98	16.57	28.55	PASS
	total	5500	TPC_L	---	---	5.37	≤22.98	12.37	28.55	PASS
			TPC_H	---	---	12.32	≤22.98	19.32	28.55	PASS
	Ant1	5580	TPC_L	88.89	0.51	2.25	≤22.98	9.25	28.55	PASS
			TPC_H	88.89	0.51	8.89	≤22.98	15.89	28.55	PASS
	Ant2	5580	TPC_L	88.89	0.51	2.85	≤22.98	9.85	28.55	PASS
			TPC_H	88.89	0.51	10.03	≤22.98	17.03	28.55	PASS
	total	5580	TPC_L	---	---	5.57	≤22.98	12.57	28.55	PASS
			TPC_H	---	---	12.51	≤22.98	19.51	28.55	PASS
	Ant1	5700	TPC_L	88.89	0.51	2.26	≤22.98	9.26	28.55	PASS
			TPC_H	88.89	0.51	8.39	≤22.98	15.39	28.55	PASS
	Ant2	5700	TPC_L	88.89	0.51	1.75	≤22.98	8.75	28.55	PASS
			TPC_H	88.89	0.51	8.92	≤22.98	15.92	28.55	PASS
	total	5700	TPC_L	---	---	5.02	≤22.98	12.02	28.55	PASS
			TPC_H	---	---	11.67	≤22.98	18.67	28.55	PASS
	Ant1	5720	TPC_L	88.89	0.51	2.04	≤22.98	9.04	28.55	PASS
			TPC_H	88.89	0.51	8.89	≤22.98	15.89	28.55	PASS
	Ant2	5720	TPC_L	88.89	0.51	2.96	≤22.98	9.96	28.55	PASS
TPC_H			88.89	0.51	9.25	≤22.98	16.25	28.55	PASS	
total	5720	TPC_L	---	---	5.53	≤22.98	12.53	28.55	PASS	
		TPC_H	---	---	12.08	≤22.98	19.08	28.55	PASS	
Ant1	5745	NA	88.89	0.51	8.34	≤29.00	15.34	---	PASS	

	Ant2	5745	NA	88.89	0.51	8.77	≤29.00	15.77	---	PASS
	total	5745	NA	---	---	11.57	≤29.00	18.57	---	PASS
	Ant1	5785	NA	88.89	0.51	8.65	≤29.00	15.65	---	PASS
	Ant2	5785	NA	88.89	0.51	9.33	≤29.00	16.33	---	PASS
	total	5785	NA	---	---	12.01	≤29.00	19.01	---	PASS
	Ant1	5825	NA	88.89	0.51	8.75	≤29.00	15.75	---	PASS
	Ant2	5825	NA	88.89	0.51	9.87	≤29.00	16.87	---	PASS
	total	5825	NA	---	---	12.36	≤29.00	19.36	---	PASS
11AC40MIMO	Ant1	5190	NA	81.25	0.90	11.24	≤29.00	18.24	22.00	PASS
	Ant2	5190	NA	81.25	0.90	10.19	≤29.00	17.19	22.00	PASS
	total	5190	NA	---	---	13.76	≤29.00	20.76	22.00	PASS
	Ant1	5230	NA	81.25	0.90	11.53	≤29.00	18.53	22.00	PASS
	Ant2	5230	NA	81.25	0.90	10.75	≤29.00	17.75	22.00	PASS
	total	5230	NA	---	---	14.17	≤29.00	21.17	22.00	PASS
	Ant1	5270	TPC_L	81.25	0.90	4.85	≤22.98	11.85	29.00	PASS
			TPC_H	81.25	0.90	11.73	≤22.98	18.73	29.00	PASS
	Ant2	5270	TPC_L	81.25	0.90	4.39	≤22.98	11.39	29.00	PASS
			TPC_H	81.25	0.90	10.85	≤22.98	17.85	29.00	PASS
	total	5270	TPC_L	---	---	7.64	≤22.98	14.64	29.00	PASS
			TPC_H	---	---	14.32	≤22.98	21.32	29.00	PASS
	Ant1	5310	TPC_L	81.25	0.90	4.68	≤22.98	11.68	29.00	PASS
			TPC_H	81.25	0.90	11.24	≤22.98	18.24	29.00	PASS
	Ant2	5310	TPC_L	81.25	0.90	2.89	≤22.98	9.89	29.00	PASS
			TPC_H	81.25	0.90	10.48	≤22.98	17.48	29.00	PASS
	total	5310	TPC_L	---	---	6.89	≤22.98	13.89	29.00	PASS
			TPC_H	---	---	13.89	≤22.98	20.89	29.00	PASS
	Ant1	5510	TPC_L	81.25	0.90	1.54	≤22.98	8.54	29.00	PASS
			TPC_H	81.25	0.90	9.45	≤22.98	16.45	29.00	PASS
	Ant2	5510	TPC_L	81.25	0.90	2.38	≤22.98	9.38	29.00	PASS
			TPC_H	81.25	0.90	9.99	≤22.98	16.99	29.00	PASS
	total	5510	TPC_L	---	---	4.99	≤22.98	11.99	29.00	PASS
			TPC_H	---	---	12.74	≤22.98	19.74	29.00	PASS
	Ant1	5550	TPC_L	81.25	0.90	1.34	≤22.98	8.34	29.00	PASS
			TPC_H	81.25	0.90	9.62	≤22.98	16.62	29.00	PASS
	Ant2	5550	TPC_L	81.25	0.90	2.10	≤22.98	9.10	29.00	PASS
			TPC_H	81.25	0.90	10.24	≤22.98	17.24	29.00	PASS
	total	5550	TPC_L	---	---	4.75	≤22.98	11.75	29.00	PASS
			TPC_H	---	---	12.95	≤22.98	19.95	29.00	PASS
	Ant1	5670	TPC_L	81.25	0.90	1.08	≤22.98	8.08	29.00	PASS
			TPC_H	81.25	0.90	9.29	≤22.98	16.29	29.00	PASS
Ant2	5670	TPC_L	81.25	0.90	4.38	≤22.98	11.38	29.00	PASS	
		TPC_H	81.25	0.90	10.68	≤22.98	17.68	29.00	PASS	
total	5670	TPC_L	---	---	6.05	≤22.98	13.05	29.00	PASS	
		TPC_H	---	---	13.05	≤22.98	20.05	29.00	PASS	
Ant1	5710	TPC_L	81.25	0.90	1.43	≤22.98	8.43	29.00	PASS	
		TPC_H	81.25	0.90	9.07	≤22.98	16.07	29.00	PASS	
Ant2	5710	TPC_L	81.25	0.90	2.12	≤22.98	9.12	29.00	PASS	
		TPC_H	81.25	0.90	9.56	≤22.98	16.56	29.00	PASS	
total	5710	TPC_L	---	---	4.80	≤22.98	11.80	29.00	PASS	
		TPC_H	---	---	12.33	≤22.98	19.33	29.00	PASS	
Ant1	5755	NA	81.25	0.90	8.70	≤29.00	15.70	---	PASS	
Ant2	5755	NA	81.25	0.90	9.23	≤29.00	16.23	---	PASS	

	total	5755	NA	---	---	11.98	≤29.00	18.98	---	PASS	
	Ant1	5795	NA	81.25	0.90	8.78	≤29.00	15.78	---	PASS	
	Ant2	5795	NA	81.25	0.90	9.66	≤29.00	16.66	---	PASS	
	total	5795	NA	---	---	12.25	≤29.00	19.25	---	PASS	
11AC80MIMO	Ant1	5210	NA	71.43	1.46	11.35	≤29.00	18.35	22.00	PASS	
	Ant2	5210	NA	70.00	1.55	10.54	≤29.00	17.54	22.00	PASS	
	total	5210	NA	---	---	13.97	≤29.00	20.97	22.00	PASS	
	Ant1	5290	TPC_L	70.00	1.55	5.19	≤22.98	12.19	29.00	PASS	
			TPC_H	70.00	1.55	11.43	≤22.98	18.43	29.00	PASS	
	Ant2	5290	TPC_L	71.43	1.46	3.32	≤22.98	10.32	29.00	PASS	
			TPC_H	71.43	1.46	10.47	≤22.98	17.47	29.00	PASS	
	total	5290	TPC_L	---	---	7.37	≤22.98	14.37	29.00	PASS	
			TPC_H	---	---	13.99	≤22.98	20.99	29.00	PASS	
	Ant1	5530	TPC_L	71.43	1.46	2.50	≤22.98	9.50	29.00	PASS	
			TPC_H	71.43	1.46	9.53	≤22.98	16.53	29.00	PASS	
	Ant2	5530	TPC_L	71.43	1.46	3.34	≤22.98	10.34	29.00	PASS	
			TPC_H	71.43	1.46	10.09	≤22.98	17.09	29.00	PASS	
	total	5530	TPC_L	---	---	5.95	≤22.98	12.95	29.00	PASS	
			TPC_H	---	---	12.83	≤22.98	19.83	29.00	PASS	
	Ant1	5610	TPC_L	70.00	1.55	2.23	≤22.98	9.23	29.00	PASS	
			TPC_H	70.00	1.55	9.56	≤22.98	16.56	29.00	PASS	
	Ant2	5610	TPC_L	70.00	1.55	3.52	≤22.98	10.52	29.00	PASS	
			TPC_H	70.00	1.55	10.51	≤22.98	17.51	29.00	PASS	
	total	5610	TPC_L	---	---	5.93	≤22.98	12.93	29.00	PASS	
			TPC_H	---	---	13.07	≤22.98	20.07	29.00	PASS	
	Ant1	5690	TPC_L	70.00	1.55	2.44	≤22.98	9.44	29.00	PASS	
			TPC_H	70.00	1.55	9.74	≤22.98	16.74	29.00	PASS	
	Ant2	5690	TPC_L	71.43	1.46	3.16	≤22.98	10.16	29.00	PASS	
			TPC_H	71.43	1.46	11.11	≤22.98	18.11	29.00	PASS	
	total	5690	TPC_L	---	---	5.83	≤22.98	12.83	29.00	PASS	
			TPC_H	---	---	13.49	≤22.98	20.49	29.00	PASS	
	Ant1	5775	NA	71.43	1.46	8.98	≤29.00	15.98	---	PASS	
	Ant2	5775	NA	71.43	1.46	9.64	≤29.00	16.64	---	PASS	
	total	5775	NA	---	---	12.33	≤29.00	19.33	---	PASS	
	11AC160MIMO	Ant1	5250	TPC_L	62.50	2.04	3.79	≤22.98	10.79	29.00	PASS
				TPC_H	62.50	2.04	10.08	≤22.98	17.08	29.00	PASS
Ant2		5250	TPC_L	62.50	2.04	1.80	≤22.98	8.80	29.00	PASS	
			TPC_H	62.50	2.04	9.42	≤22.98	16.42	29.00	PASS	
total		5250	TPC_L	---	---	5.92	≤22.98	12.92	29.00	PASS	
			TPC_H	---	---	12.77	≤22.98	19.77	29.00	PASS	
Ant1		5570	TPC_L	62.50	2.04	1.39	≤22.98	8.39	29.00	PASS	
			TPC_H	62.50	2.04	8.71	≤22.98	15.71	29.00	PASS	
Ant2		5570	TPC_L	62.50	2.04	1.53	≤22.98	8.53	29.00	PASS	
			TPC_H	62.50	2.04	8.96	≤22.98	15.96	29.00	PASS	
total	5570	TPC_L	---	---	4.47	≤22.98	11.47	29.00	PASS		
		TPC_H	---	---	11.85	≤22.98	18.85	29.00	PASS		
11AX20MIMO	Ant1	5180	NA	87.50	0.58	9.62	≤29.00	16.62	21.77	PASS	
	Ant2	5180	NA	87.50	0.58	9.03	≤29.00	16.03	21.77	PASS	
	total	5180	NA	---	---	12.35	≤29.00	19.35	21.77	PASS	
	Ant1	5200	NA	87.50	0.58	9.74	≤29.00	16.74	21.77	PASS	
	Ant2	5200	NA	87.76	0.57	9.05	≤29.00	16.05	21.77	PASS	
	total	5200	NA	---	---	12.42	≤29.00	19.42	21.77	PASS	

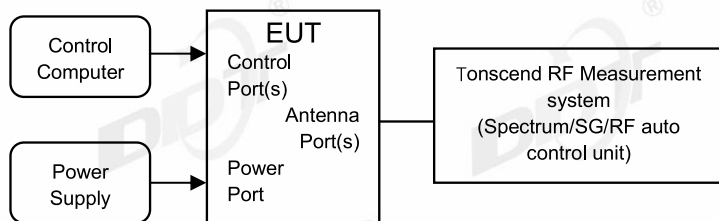
Ant1	5240	NA	87.50	0.58	10.44	≤29.00	17.44	21.77	PASS
Ant2	5240	NA	87.50	0.58	9.70	≤29.00	16.70	21.77	PASS
total	5240	NA	---	---	13.10	≤29.00	20.10	21.77	PASS
Ant1	5260	TPC_L	87.50	0.58	5.40	≤22.98	12.40	28.82	PASS
		TPC_H	87.50	0.58	11.59	≤22.98	18.59	28.82	PASS
Ant2	5260	TPC_L	87.76	0.57	4.85	≤22.98	11.85	28.82	PASS
		TPC_H	87.76	0.57	10.92	≤22.98	17.92	28.82	PASS
total	5260	TPC_L	---	---	8.14	≤22.98	15.14	28.82	PASS
		TPC_H	---	---	14.28	≤22.98	21.28	28.82	PASS
Ant1	5280	TPC_L	87.50	0.58	5.30	≤22.98	12.30	28.82	PASS
		TPC_H	87.50	0.58	11.59	≤22.98	18.59	28.82	PASS
Ant2	5280	TPC_L	87.50	0.58	4.85	≤22.98	11.85	28.82	PASS
		TPC_H	87.50	0.58	10.95	≤22.98	17.95	28.82	PASS
total	5280	TPC_L	---	---	8.09	≤22.98	15.09	28.82	PASS
		TPC_H	---	---	14.29	≤22.98	21.29	28.82	PASS
Ant1	5320	TPC_L	87.50	0.58	3.58	≤22.98	10.58	28.82	PASS
		TPC_H	87.50	0.58	10.70	≤22.98	17.70	28.82	PASS
Ant2	5320	TPC_L	87.50	0.58	3.29	≤22.98	10.29	28.82	PASS
		TPC_H	87.50	0.58	10.34	≤22.98	17.34	28.82	PASS
total	5320	TPC_L	---	---	6.45	≤22.98	13.45	28.82	PASS
		TPC_H	---	---	13.53	≤22.98	20.53	28.82	PASS
Ant1	5500	TPC_L	87.76	0.57	2.98	≤22.98	9.98	28.83	PASS
		TPC_H	87.76	0.57	9.22	≤22.98	16.22	28.83	PASS
Ant2	5500	TPC_L	87.50	0.58	3.75	≤22.98	10.75	28.83	PASS
		TPC_H	87.50	0.58	10.08	≤22.98	17.08	28.83	PASS
total	5500	TPC_L	---	---	6.39	≤22.98	13.39	28.83	PASS
		TPC_H	---	---	12.68	≤22.98	19.68	28.83	PASS
Ant1	5580	TPC_L	87.50	0.58	2.39	≤22.98	9.39	28.83	PASS
		TPC_H	87.50	0.58	9.33	≤22.98	16.33	28.83	PASS
Ant2	5580	TPC_L	87.76	0.57	3.90	≤22.98	10.90	28.83	PASS
		TPC_H	87.76	0.57	10.32	≤22.98	17.32	28.83	PASS
total	5580	TPC_L	---	---	6.22	≤22.98	13.22	28.83	PASS
		TPC_H	---	---	12.86	≤22.98	19.86	28.83	PASS
Ant1	5700	TPC_L	87.50	0.58	2.37	≤22.98	9.37	28.83	PASS
		TPC_H	87.50	0.58	8.41	≤22.98	15.41	28.83	PASS
Ant2	5700	TPC_L	87.50	0.58	2.19	≤22.98	9.19	28.83	PASS
		TPC_H	87.50	0.58	8.62	≤22.98	15.62	28.83	PASS
total	5700	TPC_L	---	---	5.29	≤22.98	12.29	28.83	PASS
		TPC_H	---	---	11.53	≤22.98	18.53	28.83	PASS
Ant1	5720	TPC_L	87.50	0.58	1.30	≤22.98	8.30	28.83	PASS
		TPC_H	87.50	0.58	8.95	≤22.98	15.95	28.83	PASS
Ant2	5720	TPC_L	87.50	0.58	2.29	≤22.98	9.29	28.83	PASS
		TPC_H	87.50	0.58	9.37	≤22.98	16.37	28.83	PASS
total	5720	TPC_L	---	---	4.83	≤22.98	11.83	28.83	PASS
		TPC_H	---	---	12.18	≤22.98	19.18	28.83	PASS
Ant1	5745	NA	87.50	0.58	8.39	≤29.00	15.39	---	PASS
Ant2	5745	NA	87.50	0.58	8.59	≤29.00	15.59	---	PASS
total	5745	NA	---	---	11.50	≤29.00	18.50	---	PASS
Ant1	5785	NA	87.50	0.58	8.73	≤29.00	15.73	---	PASS
Ant2	5785	NA	87.50	0.58	9.37	≤29.00	16.37	---	PASS
total	5785	NA	---	---	12.07	≤29.00	19.07	---	PASS
Ant1	5825	NA	87.50	0.58	9.04	≤29.00	16.04	---	PASS

	Ant2	5825	NA	87.76	0.57	9.99	≤29.00	16.99	---	PASS
	total	5825	NA	---	---	12.55	≤29.00	19.55	---	PASS
11AX40MIMO	Ant1	5190	NA	81.82	0.87	11.29	≤29.00	18.29	22.00	PASS
	Ant2	5190	NA	81.82	0.87	10.36	≤29.00	17.36	22.00	PASS
	total	5190	NA	---	---	13.86	≤29.00	20.86	22.00	PASS
	Ant1	5230	NA	81.82	0.87	11.76	≤29.00	18.76	22.00	PASS
	Ant2	5230	NA	81.82	0.87	10.78	≤29.00	17.78	22.00	PASS
	total	5230	NA	---	---	14.31	≤29.00	21.31	22.00	PASS
	Ant1	5270	TPC_L	81.25	0.90	5.09	≤22.98	12.09	29.00	PASS
			TPC_H	81.25	0.90	12.01	≤22.98	19.01	29.00	PASS
	Ant2	5270	TPC_L	81.82	0.87	4.13	≤22.98	11.13	29.00	PASS
			TPC_H	81.82	0.87	11.06	≤22.98	18.06	29.00	PASS
	total	5270	TPC_L	---	---	7.65	≤22.98	14.65	29.00	PASS
			TPC_H	---	---	14.57	≤22.98	21.57	29.00	PASS
	Ant1	5310	TPC_L	81.25	0.90	4.00	≤22.98	11.00	29.00	PASS
			TPC_H	81.25	0.90	11.31	≤22.98	18.31	29.00	PASS
	Ant2	5310	TPC_L	81.82	0.87	3.77	≤22.98	10.77	29.00	PASS
			TPC_H	81.82	0.87	10.62	≤22.98	17.62	29.00	PASS
	total	5310	TPC_L	---	---	6.90	≤22.98	13.90	29.00	PASS
			TPC_H	---	---	13.99	≤22.98	20.99	29.00	PASS
	Ant1	5510	TPC_L	81.82	0.87	2.34	≤22.98	9.34	29.00	PASS
			TPC_H	81.82	0.87	9.65	≤22.98	16.65	29.00	PASS
	Ant2	5510	TPC_L	81.82	0.87	3.14	≤22.98	10.14	29.00	PASS
			TPC_H	81.82	0.87	10.30	≤22.98	17.30	29.00	PASS
	total	5510	TPC_L	---	---	5.77	≤22.98	12.77	29.00	PASS
			TPC_H	---	---	13.00	≤22.98	20.00	29.00	PASS
	Ant1	5550	TPC_L	81.25	0.90	2.39	≤22.98	9.39	29.00	PASS
			TPC_H	81.25	0.90	9.83	≤22.98	16.83	29.00	PASS
	Ant2	5550	TPC_L	81.82	0.87	3.03	≤22.98	10.03	29.00	PASS
			TPC_H	81.82	0.87	10.39	≤22.98	17.39	29.00	PASS
	total	5550	TPC_L	---	---	5.73	≤22.98	12.73	29.00	PASS
			TPC_H	---	---	13.13	≤22.98	20.13	29.00	PASS
	Ant1	5670	TPC_L	81.25	0.90	2.00	≤22.98	9.00	29.00	PASS
			TPC_H	81.25	0.90	9.54	≤22.98	16.54	29.00	PASS
	Ant2	5670	TPC_L	81.82	0.87	3.89	≤22.98	10.89	29.00	PASS
			TPC_H	81.82	0.87	10.64	≤22.98	17.64	29.00	PASS
	total	5670	TPC_L	---	---	6.06	≤22.98	13.06	29.00	PASS
			TPC_H	---	---	13.14	≤22.98	20.14	29.00	PASS
	Ant1	5710	TPC_L	81.82	0.87	1.98	≤22.98	8.98	29.00	PASS
			TPC_H	81.82	0.87	9.45	≤22.98	16.45	29.00	PASS
	Ant2	5710	TPC_L	81.82	0.87	2.62	≤22.98	9.62	29.00	PASS
			TPC_H	81.82	0.87	9.74	≤22.98	16.74	29.00	PASS
total	5710	TPC_L	---	---	5.32	≤22.98	12.32	29.00	PASS	
		TPC_H	---	---	12.61	≤22.98	19.61	29.00	PASS	
Ant1	5755	NA	81.82	0.87	8.78	≤29.00	15.78	---	PASS	
Ant2	5755	NA	81.82	0.87	9.29	≤29.00	16.29	---	PASS	
total	5755	NA	---	---	12.05	≤29.00	19.05	---	PASS	
Ant1	5795	NA	81.82	0.87	9.08	≤29.00	16.08	---	PASS	
Ant2	5795	NA	81.82	0.87	9.62	≤29.00	16.62	---	PASS	
total	5795	NA	---	---	12.37	≤29.00	19.37	---	PASS	
11AX80MIMO	Ant1	5210	NA	75.00	1.25	11.55	≤29.00	18.55	22.00	PASS
	Ant2	5210	NA	75.00	1.25	10.55	≤29.00	17.55	22.00	PASS

	total	5210	NA	---	---	14.09	≤29.00	21.09	22.00	PASS
	Ant1	5290	TPC_L	75.00	1.25	5.08	≤22.98	12.08	29.00	PASS
			TPC_H	75.00	1.25	11.51	≤22.98	18.51	29.00	PASS
	Ant2	5290	TPC_L	75.00	1.25	4.34	≤22.98	11.34	29.00	PASS
			TPC_H	75.00	1.25	10.67	≤22.98	17.67	29.00	PASS
	total	5290	TPC_L	---	---	7.74	≤22.98	14.74	29.00	PASS
			TPC_H	---	---	14.12	≤22.98	21.12	29.00	PASS
	Ant1	5530	TPC_L	75.00	1.25	3.15	≤22.98	10.15	29.00	PASS
			TPC_H	75.00	1.25	9.66	≤22.98	16.66	29.00	PASS
	Ant2	5530	TPC_L	75.00	1.25	4.07	≤22.98	11.07	29.00	PASS
			TPC_H	75.00	1.25	10.35	≤22.98	17.35	29.00	PASS
	total	5530	TPC_L	---	---	6.64	≤22.98	13.64	29.00	PASS
			TPC_H	---	---	13.03	≤22.98	20.03	29.00	PASS
	Ant1	5610	TPC_L	75.00	1.25	3.02	≤22.98	10.02	29.00	PASS
			TPC_H	75.00	1.25	9.81	≤22.98	16.81	29.00	PASS
	Ant2	5610	TPC_L	75.00	1.25	4.52	≤22.98	11.52	29.00	PASS
			TPC_H	75.00	1.25	10.75	≤22.98	17.75	29.00	PASS
	total	5610	TPC_L	---	---	6.84	≤22.98	13.84	29.00	PASS
			TPC_H	---	---	13.32	≤22.98	20.32	29.00	PASS
	Ant1	5690	TPC_L	75.00	1.25	3.36	≤22.98	10.36	29.00	PASS
			TPC_H	75.00	1.25	10.05	≤22.98	17.05	29.00	PASS
	Ant2	5690	TPC_L	75.00	1.25	4.78	≤22.98	11.78	29.00	PASS
			TPC_H	75.00	1.25	11.22	≤22.98	18.22	29.00	PASS
	total	5690	TPC_L	---	---	7.14	≤22.98	14.14	29.00	PASS
			TPC_H	---	---	13.68	≤22.98	20.68	29.00	PASS
	Ant1	5775	NA	75.00	1.25	9.22	≤29.00	16.22	---	PASS
	Ant2	5775	NA	75.00	1.25	9.76	≤29.00	16.76	---	PASS
	total	5775	NA	---	---	12.51	≤29.00	19.51	---	PASS
11AX160MIMO	Ant1	5250	TPC_L	87.23	0.59	3.30	≤22.98	10.30	29.00	PASS
			TPC_H	87.23	0.59	10.14	≤22.98	17.14	29.00	PASS
	Ant2	5250	TPC_L	87.23	0.59	2.91	≤22.98	9.91	29.00	PASS
			TPC_H	87.23	0.59	9.50	≤22.98	16.50	29.00	PASS
	total	5250	TPC_L	---	---	6.12	≤22.98	13.12	29.00	PASS
			TPC_H	---	---	12.84	≤22.98	19.84	29.00	PASS
	Ant1	5570	TPC_L	87.23	0.59	1.81	≤22.98	8.81	29.00	PASS
			TPC_H	87.23	0.59	8.84	≤22.98	15.84	29.00	PASS
	Ant2	5570	TPC_L	87.23	0.59	1.94	≤22.98	8.94	29.00	PASS
			TPC_H	87.23	0.59	9.13	≤22.98	16.13	29.00	PASS
	total	5570	TPC_L	---	---	4.89	≤22.98	11.89	29.00	PASS
			TPC_H	---	---	12.00	≤22.98	19.00	29.00	PASS

9. Power Spectral Density

9.1. Block diagram of test setup



9.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz For RSS eirp: 10 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC: 5470 - 5725 For ISDE: 5470 - 5600 5650 - 5725
	30 dBm/500 kHz	5725-5850
Note: For 802.11n, 802.11ac and 802.11ax, the EUT incorporates a MIMO function. The Antenna directional gain is 7.0 dBi. For FCC and 5725-5850MHz of ISDE, the Power Spectral Density limit is the above limits-(7.0-6) dB		

9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

9.4. Test result

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	20.6-23.2℃,53.6-55.2%RH	Test Date:	2023.12.04-2024.02.29
Test Power Supply:	DC 12V from adapter	Sample Number:	S23111603-02

Test Mode	Antenna	Frequency [MHz]	Conducted Result [dBm/MHz]	Conducted Limit [dBm/MHz]	EIRP Result [dBm/MHz]	EIRP Limit [dBm/MHz]	Verdict	
11A	Ant1	5180	0.03	≤16.00	7.03	≤10.00	PASS	
	Ant2	5180	-1.10	≤16.00	5.90	≤10.00	PASS	
	Ant1	5200	0.15	≤16.00	7.15	≤10.00	PASS	
	Ant2	5200	-0.95	≤16.00	6.05	≤10.00	PASS	
	Ant1	5240	0.37	≤16.00	7.37	≤10.00	PASS	
	Ant2	5240	-0.53	≤16.00	6.47	≤10.00	PASS	
	Ant1	5260	3.31	≤10.00	10.31	/	PASS	
	Ant2	5260	0.52	≤10.00	7.52	/	PASS	
	Ant1	5280	3.20	≤10.00	10.20	/	PASS	
	Ant2	5280	0.63	≤10.00	7.63	/	PASS	
	Ant1	5320	2.65	≤10.00	9.65	/	PASS	
	Ant2	5320	0.10	≤10.00	7.10	/	PASS	
	Ant1	5500	0.81	≤10.00	7.81	/	PASS	
	Ant2	5500	-0.31	≤10.00	6.69	/	PASS	
	Ant1	5580	0.72	≤10.00	7.72	/	PASS	
	Ant2	5580	-0.06	≤10.00	6.94	/	PASS	
	Ant1	5700	0.22	≤10.00	7.22	/	PASS	
	Ant2	5700	-1.05	≤10.00	5.95	/	PASS	
	Ant1	5720_UNII-2C	0.62	≤10.00	7.62	/	PASS	
	Ant2	5720_UNII-2C	-1.01	≤10.00	5.99	/	PASS	
	Ant1	5720_UNII-3	-3.57	≤29.00	3.43	/	PASS	
	Ant2	5720_UNII-3	-5.26	≤29.00	1.74	/	PASS	
	Ant1	5745	-2.66	≤29.00	4.34	/	PASS	
	Ant2	5745	-4.07	≤29.00	2.93	/	PASS	
	Ant1	5785	-2.56	≤29.00	4.44	/	PASS	
	Ant2	5785	-3.52	≤29.00	3.48	/	PASS	
	Ant1	5825	-2.55	≤29.00	4.45	/	PASS	
	Ant2	5825	-3.23	≤29.00	3.77	/	PASS	
	11N20MIMO	Ant1	5180	-0.93	≤16.00	6.07	≤10.00	PASS
		Ant2	5180	-3.46	≤16.00	3.54	≤10.00	PASS
total		5180	1.00	≤16.00	8.00	≤10.00	PASS	
Ant1		5200	-0.86	≤16.00	6.14	≤10.00	PASS	
Ant2		5200	-3.25	≤16.00	3.75	≤10.00	PASS	
total		5200	1.12	≤16.00	8.12	≤10.00	PASS	
Ant1		5240	-0.56	≤16.00	6.44	≤10.00	PASS	
Ant2		5240	-2.95	≤16.00	4.05	≤10.00	PASS	
total		5240	1.42	≤16.00	8.42	≤10.00	PASS	
Ant1		5260	0.76	≤10.00	7.76	/	PASS	
Ant2		5260	-1.71	≤10.00	5.29	/	PASS	

	total	5260	2.71	≤10.00	9.71	/	PASS
	Ant1	5280	0.72	≤10.00	7.72	/	PASS
	Ant2	5280	-1.54	≤10.00	5.46	/	PASS
	total	5280	2.75	≤10.00	9.75	/	PASS
	Ant1	5320	-0.01	≤10.00	6.99	/	PASS
	Ant2	5320	-1.95	≤10.00	5.05	/	PASS
	total	5320	2.14	≤10.00	9.14	/	PASS
	Ant1	5500	-1.68	≤10.00	5.32	/	PASS
	Ant2	5500	-2.65	≤10.00	4.35	/	PASS
	total	5500	0.87	≤10.00	7.87	/	PASS
	Ant1	5580	-1.94	≤10.00	5.06	/	PASS
	Ant2	5580	-2.31	≤10.00	4.69	/	PASS
	total	5580	0.89	≤10.00	7.89	/	PASS
	Ant1	5700	-2.34	≤10.00	4.66	/	PASS
	Ant2	5700	-3.29	≤10.00	3.71	/	PASS
	total	5700	0.22	≤10.00	7.22	/	PASS
	Ant1	5720_UNII-2C	-2.20	≤10.00	4.80	/	PASS
	Ant2	5720_UNII-2C	-3.64	≤10.00	3.36	/	PASS
	total	5720_UNII-2C	0.15	≤10.00	7.15	/	PASS
	Ant1	5720_UNII-3	-6.45	≤29.00	0.55	/	PASS
	Ant2	5720_UNII-3	-8.07	≤29.00	-1.07	/	PASS
	total	5720_UNII-3	-4.17	≤29.00	2.83	/	PASS
	Ant1	5745	-5.29	≤29.00	1.71	/	PASS
	Ant2	5745	-6.60	≤29.00	0.40	/	PASS
	total	5745	-2.89	≤29.00	4.11	/	PASS
	Ant1	5785	-5.25	≤29.00	1.75	/	PASS
	Ant2	5785	-6.03	≤29.00	0.97	/	PASS
	total	5785	-2.61	≤29.00	4.39	/	PASS
	Ant1	5825	-5.25	≤29.00	1.75	/	PASS
	Ant2	5825	-5.85	≤29.00	1.15	/	PASS
	total	5825	-2.53	≤29.00	4.47	/	PASS
	11N40MIMO	Ant1	5190	-3.68	≤16.00	3.32	≤10.00
Ant2		5190	-4.76	≤16.00	2.24	≤10.00	PASS
total		5190	-1.18	≤16.00	5.82	≤10.00	PASS
Ant1		5230	-3.51	≤16.00	3.49	≤10.00	PASS
Ant2		5230	-4.32	≤16.00	2.68	≤10.00	PASS
total		5230	-0.89	≤16.00	6.11	≤10.00	PASS
Ant1		5270	-3.32	≤10.00	3.68	/	PASS
Ant2		5270	-4.22	≤10.00	2.78	/	PASS
total		5270	-0.74	≤10.00	6.26	/	PASS
Ant1		5310	-3.75	≤10.00	3.25	/	PASS
Ant2		5310	-4.39	≤10.00	2.61	/	PASS
total		5310	-1.05	≤10.00	5.95	/	PASS
Ant1		5510	-5.41	≤10.00	1.59	/	PASS
Ant2		5510	-5.03	≤10.00	1.97	/	PASS
total		5510	-2.21	≤10.00	4.79	/	PASS
Ant1	5550	-5.29	≤10.00	1.71	/	PASS	

	Ant2	5550	-4.70	≤10.00	2.30	/	PASS
	total	5550	-1.97	≤10.00	5.03	/	PASS
	Ant1	5670	-5.89	≤10.00	1.11	/	PASS
	Ant2	5670	-4.44	≤10.00	2.56	/	PASS
	total	5670	-2.09	≤10.00	4.91	/	PASS
	Ant1	5710_UNII-2C	-5.92	≤10.00	1.08	/	PASS
	Ant2	5710_UNII-2C	-5.52	≤10.00	1.48	/	PASS
	total	5710_UNII-2C	-2.71	≤10.00	4.29	/	PASS
	Ant1	5710_UNII-3	-11.42	≤29.00	-4.42	/	PASS
	Ant2	5710_UNII-3	-11.87	≤29.00	-4.87	/	PASS
	total	5710_UNII-3	-8.63	≤29.00	-1.63	/	PASS
	Ant1	5755	-9.09	≤29.00	-2.09	/	PASS
	Ant2	5755	-8.65	≤29.00	-1.65	/	PASS
	total	5755	-5.85	≤29.00	1.15	/	PASS
	Ant1	5795	-8.73	≤29.00	-1.73	/	PASS
	Ant2	5795	-8.17	≤29.00	-1.17	/	PASS
	total	5795	-5.43	≤29.00	1.57	/	PASS
11AC20MIMO	Ant1	5180	-2.24	≤16.00	4.76	≤10.00	PASS
	Ant2	5180	-3.44	≤16.00	3.56	≤10.00	PASS
	total	5180	0.21	≤16.00	7.21	≤10.00	PASS
	Ant1	5200	-2.20	≤16.00	4.80	≤10.00	PASS
	Ant2	5200	-3.20	≤16.00	3.80	≤10.00	PASS
	total	5200	0.34	≤16.00	7.34	≤10.00	PASS
	Ant1	5240	-1.96	≤16.00	5.04	≤10.00	PASS
	Ant2	5240	-2.80	≤16.00	4.20	≤10.00	PASS
	total	5240	0.65	≤16.00	7.65	≤10.00	PASS
	Ant1	5260	-1.40	≤10.00	5.60	/	PASS
	Ant2	5260	-2.32	≤10.00	4.68	/	PASS
	total	5260	1.17	≤10.00	8.17	/	PASS
	Ant1	5280	-0.99	≤10.00	6.01	/	PASS
	Ant2	5280	-2.02	≤10.00	4.98	/	PASS
	total	5280	1.54	≤10.00	8.54	/	PASS
	Ant1	5320	-1.87	≤10.00	5.13	/	PASS
	Ant2	5320	-2.53	≤10.00	4.47	/	PASS
	total	5320	0.82	≤10.00	7.82	/	PASS
	Ant1	5500	-3.55	≤10.00	3.45	/	PASS
	Ant2	5500	-3.05	≤10.00	3.95	/	PASS
	total	5500	-0.28	≤10.00	6.72	/	PASS
	Ant1	5580	-3.74	≤10.00	3.26	/	PASS
	Ant2	5580	-2.71	≤10.00	4.29	/	PASS
	total	5580	-0.18	≤10.00	6.82	/	PASS
	Ant1	5700	-4.09	≤10.00	2.91	/	PASS
	Ant2	5700	-3.73	≤10.00	3.27	/	PASS
	total	5700	-0.90	≤10.00	6.10	/	PASS
Ant1	5720_UNII-2C	-3.83	≤10.00	3.17	/	PASS	
Ant2	5720_UNII-2C	-3.57	≤10.00	3.43	/	PASS	
total	5720_UNII-2C	-0.69	≤10.00	6.31	/	PASS	

	Ant1	5720_UNII-3	-8.02	≤29.00	-1.02	/	PASS
	Ant2	5720_UNII-3	-7.88	≤29.00	-0.88	/	PASS
	total	5720_UNII-3	-4.94	≤29.00	2.06	/	PASS
	Ant1	5745	-6.85	≤29.00	0.15	/	PASS
	Ant2	5745	-6.62	≤29.00	0.38	/	PASS
	total	5745	-3.72	≤29.00	3.28	/	PASS
	Ant1	5785	-6.64	≤29.00	0.36	/	PASS
	Ant2	5785	-6.11	≤29.00	0.89	/	PASS
	total	5785	-3.36	≤29.00	3.64	/	PASS
	Ant1	5825	-6.43	≤29.00	0.57	/	PASS
	Ant2	5825	-5.33	≤29.00	1.67	/	PASS
	total	5825	-2.83	≤29.00	4.17	/	PASS
11AC40MIMO	Ant1	5190	-3.45	≤16.00	3.55	≤10.00	PASS
	Ant2	5190	-4.57	≤16.00	2.43	≤10.00	PASS
	total	5190	-0.96	≤16.00	6.04	≤10.00	PASS
	Ant1	5230	-3.37	≤16.00	3.63	≤10.00	PASS
	Ant2	5230	-4.37	≤16.00	2.63	≤10.00	PASS
	total	5230	-0.83	≤16.00	6.17	≤10.00	PASS
	Ant1	5270	-3.03	≤10.00	3.97	/	PASS
	Ant2	5270	-4.20	≤10.00	2.80	/	PASS
	total	5270	-0.57	≤10.00	6.43	/	PASS
	Ant1	5310	-3.70	≤10.00	3.30	/	PASS
	Ant2	5310	-4.40	≤10.00	2.60	/	PASS
	total	5310	-1.03	≤10.00	5.97	/	PASS
	Ant1	5510	-5.40	≤10.00	1.60	/	PASS
	Ant2	5510	-5.07	≤10.00	1.93	/	PASS
	total	5510	-2.22	≤10.00	4.78	/	PASS
	Ant1	5550	-5.15	≤10.00	1.85	/	PASS
	Ant2	5550	-4.75	≤10.00	2.25	/	PASS
	total	5550	-1.94	≤10.00	5.06	/	PASS
	Ant1	5670	-5.55	≤10.00	1.45	/	PASS
	Ant2	5670	-4.53	≤10.00	2.47	/	PASS
	total	5670	-2.00	≤10.00	5.00	/	PASS
	Ant1	5710_UNII-2C	-5.93	≤10.00	1.07	/	PASS
	Ant2	5710_UNII-2C	-5.57	≤10.00	1.43	/	PASS
	total	5710_UNII-2C	-2.74	≤10.00	4.26	/	PASS
Ant1	5710_UNII-3	-11.68	≤29.00	-4.68	/	PASS	
Ant2	5710_UNII-3	-11.90	≤29.00	-4.90	/	PASS	
total	5710_UNII-3	-8.78	≤29.00	-1.78	/	PASS	
Ant1	5755	-8.89	≤29.00	-1.89	/	PASS	
Ant2	5755	-8.55	≤29.00	-1.55	/	PASS	
total	5755	-5.71	≤29.00	1.29	/	PASS	
Ant1	5795	-8.66	≤29.00	-1.66	/	PASS	
Ant2	5795	-7.93	≤29.00	-0.93	/	PASS	
total	5795	-5.27	≤29.00	1.73	/	PASS	
11AC80MIMO	Ant1	5210	-6.34	≤16.00	0.66	≤10.00	PASS
	Ant2	5210	-7.12	≤16.00	-0.12	≤10.00	PASS

	total	5210	-3.70	≤16.00	3.30	≤10.00	PASS
	Ant1	5290	-6.27	≤10.00	0.73	/	PASS
	Ant2	5290	-7.17	≤10.00	-0.17	/	PASS
	total	5290	-3.69	≤10.00	3.31	/	PASS
	Ant1	5530	-7.98	≤10.00	-0.98	/	PASS
	Ant2	5530	-7.72	≤10.00	-0.72	/	PASS
	total	5530	-4.84	≤10.00	2.16	/	PASS
	Ant1	5610	-7.91	≤10.00	-0.91	/	PASS
	Ant2	5610	-6.98	≤10.00	0.02	/	PASS
	total	5610	-4.41	≤10.00	2.59	/	PASS
	Ant1	5690_UNII-2C	-8.03	≤10.00	-1.03	/	PASS
	Ant2	5690_UNII-2C	-6.72	≤10.00	0.28	/	PASS
	total	5690_UNII-2C	-4.32	≤10.00	2.68	/	PASS
	Ant1	5690_UNII-3	-13.67	≤29.00	-6.67	/	PASS
	Ant2	5690_UNII-3	-13.81	≤29.00	-6.81	/	PASS
	total	5690_UNII-3	-10.73	≤29.00	-3.73	/	PASS
	Ant1	5775	-11.29	≤29.00	-4.29	/	PASS
	Ant2	5775	-11.19	≤29.00	-4.19	/	PASS
	total	5775	-8.23	≤29.00	-1.23	/	PASS
11AC160MIMO	Ant1	5250_UNII-1	-10.65	≤16.00	-3.65	≤10.00	PASS
	Ant2	5250_UNII-1	-10.85	≤16.00	-3.85	≤10.00	PASS
	total	5250_UNII-1	-7.74	≤16.00	-0.74	≤10.00	PASS
	Ant1	5250_UNII-2A	-10.39	≤10.00	-3.39	/	PASS
	Ant2	5250_UNII-2A	-10.55	≤10.00	-3.55	/	PASS
	total	5250_UNII-2A	-7.46	≤10.00	-0.46	/	PASS
	Ant1	5570	-11.87	≤10.00	-4.87	/	PASS
	Ant2	5570	-11.43	≤10.00	-4.43	/	PASS
	total	5570	-8.63	≤10.00	-1.63	/	PASS
11AX20MIMO	Ant1	5180	-2.01	≤16.00	4.99	≤10.00	PASS
	Ant2	5180	-2.89	≤16.00	4.11	≤10.00	PASS
	total	5180	0.58	≤16.00	7.58	≤10.00	PASS
	Ant1	5200	-2.01	≤16.00	4.99	≤10.00	PASS
	Ant2	5200	-2.73	≤16.00	4.27	≤10.00	PASS
	total	5200	0.66	≤16.00	7.66	≤10.00	PASS
	Ant1	5240	-1.42	≤16.00	5.58	≤10.00	PASS
	Ant2	5240	-2.31	≤16.00	4.69	≤10.00	PASS
	total	5240	1.17	≤16.00	8.17	≤10.00	PASS
	Ant1	5260	-0.19	≤10.00	6.81	/	PASS
	Ant2	5260	-0.92	≤10.00	6.08	/	PASS
	total	5260	2.47	≤10.00	9.47	/	PASS
	Ant1	5280	-0.09	≤10.00	6.91	/	PASS
	Ant2	5280	-0.78	≤10.00	6.22	/	PASS
	total	5280	2.59	≤10.00	9.59	/	PASS
	Ant1	5320	-0.95	≤10.00	6.05	/	PASS
	Ant2	5320	-1.54	≤10.00	5.46	/	PASS
	total	5320	1.78	≤10.00	8.78	/	PASS
Ant1	5500	-2.58	≤10.00	4.42	/	PASS	

	Ant2	5500	-1.94	≤10.00	5.06	/	PASS
	total	5500	0.76	≤10.00	7.76	/	PASS
	Ant2	5580	-1.80	≤10.00	5.20	/	PASS
	total	5580	2.20	≤10.00	9.20	/	PASS
	Ant1	5700	-3.38	≤10.00	3.62	/	PASS
	Ant2	5700	-3.26	≤10.00	3.74	/	PASS
	total	5700	-0.31	≤10.00	6.69	/	PASS
	Ant1	5720_UNII-2C	-2.87	≤10.00	4.13	/	PASS
	Ant2	5720_UNII-2C	-2.61	≤10.00	4.39	/	PASS
	total	5720_UNII-2C	0.27	≤10.00	7.27	/	PASS
	Ant1	5720_UNII-3	-6.62	≤29.00	0.38	/	PASS
	Ant2	5720_UNII-3	-6.29	≤29.00	0.71	/	PASS
	total	5720_UNII-3	-3.44	≤29.00	3.56	/	PASS
	Ant1	5745	-6.03	≤29.00	0.97	/	PASS
	Ant2	5745	-5.94	≤29.00	1.06	/	PASS
	total	5745	-2.97	≤29.00	4.03	/	PASS
	Ant1	5785	-5.59	≤29.00	1.41	/	PASS
	Ant2	5785	-5.20	≤29.00	1.80	/	PASS
	total	5785	-2.38	≤29.00	4.62	/	PASS
	Ant1	5825	-5.66	≤29.00	1.34	/	PASS
Ant2	5825	-4.97	≤29.00	2.03	/	PASS	
total	5825	-2.29	≤29.00	4.71	/	PASS	
11AX40MIMO	Ant1	5190	-2.87	≤16.00	4.13	≤10.00	PASS
	Ant2	5190	-3.98	≤16.00	3.02	≤10.00	PASS
	total	5190	-0.38	≤16.00	6.62	≤10.00	PASS
	Ant1	5230	-2.42	≤16.00	4.58	≤10.00	PASS
	Ant2	5230	-3.50	≤16.00	3.50	≤10.00	PASS
	total	5230	0.08	≤16.00	7.08	≤10.00	PASS
	Ant1	5270	-2.17	≤10.00	4.83	/	PASS
	Ant2	5270	-3.17	≤10.00	3.83	/	PASS
	total	5270	0.37	≤10.00	7.37	/	PASS
	Ant1	5310	-2.71	≤10.00	4.29	/	PASS
	Ant2	5310	-3.52	≤10.00	3.48	/	PASS
	total	5310	-0.09	≤10.00	6.91	/	PASS
	Ant1	5510	-4.51	≤10.00	2.49	/	PASS
	Ant2	5510	-4.13	≤10.00	2.87	/	PASS
	total	5510	-1.31	≤10.00	5.69	/	PASS
	Ant1	5550	-4.41	≤10.00	2.59	/	PASS
	Ant2	5550	-4.00	≤10.00	3.00	/	PASS
	total	5550	-1.19	≤10.00	5.81	/	PASS
	Ant1	5670	-4.50	≤10.00	2.50	/	PASS
	Ant2	5670	-3.63	≤10.00	3.37	/	PASS
total	5670	-1.03	≤10.00	5.97	/	PASS	
Ant1	5710_UNII-2C	-4.74	≤10.00	2.26	/	PASS	
Ant2	5710_UNII-2C	-4.76	≤10.00	2.24	/	PASS	
total	5710_UNII-2C	-1.74	≤10.00	5.26	/	PASS	
Ant1	5710_UNII-3	-10.33	≤29.00	-3.33	/	PASS	

	Ant2	5710_UNII-3	-10.57	≤29.00	-3.57	/	PASS
	total	5710_UNII-3	-7.44	≤29.00	-0.44	/	PASS
	Ant1	5755	-8.18	≤29.00	-1.18	/	PASS
	Ant2	5755	-7.83	≤29.00	-0.83	/	PASS
	total	5755	-4.99	≤29.00	2.01	/	PASS
	Ant1	5795	-7.88	≤29.00	-0.88	/	PASS
	Ant2	5795	-7.58	≤29.00	-0.58	/	PASS
	total	5795	-4.72	≤29.00	2.28	/	PASS
11AX80MIMO	Ant1	5210	-5.72	≤16.00	1.28	≤10.00	PASS
	Ant2	5210	-6.41	≤16.00	0.59	≤10.00	PASS
	total	5210	-3.04	≤16.00	3.96	≤10.00	PASS
	Ant1	5290	-5.59	≤10.00	1.41	/	PASS
	Ant2	5290	-6.19	≤10.00	0.81	/	PASS
	total	5290	-2.87	≤10.00	4.13	/	PASS
	Ant1	5530	-7.30	≤10.00	-0.30	/	PASS
	Ant2	5530	-6.90	≤10.00	0.10	/	PASS
	total	5530	-4.09	≤10.00	2.91	/	PASS
	Ant1	5610	-7.20	≤10.00	-0.20	/	PASS
	Ant2	5610	-6.25	≤10.00	0.75	/	PASS
	total	5610	-3.69	≤10.00	3.31	/	PASS
	Ant1	5690_UNII-2C	-7.00	≤10.00	0.00	/	PASS
	Ant2	5690_UNII-2C	-6.09	≤10.00	0.91	/	PASS
	total	5690_UNII-2C	-3.51	≤10.00	3.49	/	PASS
	Ant1	5690_UNII-3	-12.99	≤29.00	-5.99	/	PASS
	Ant2	5690_UNII-3	-12.59	≤29.00	-5.59	/	PASS
	total	5690_UNII-3	-9.78	≤29.00	-2.78	/	PASS
	Ant1	5775	-10.59	≤29.00	-3.59	/	PASS
	Ant2	5775	-10.70	≤29.00	-3.70	/	PASS
total	5775	-7.63	≤29.00	-0.63	/	PASS	
11AX160MIMO	Ant1	5250_UNII-1	-10.09	≤16.00	-3.09	≤10.00	PASS
	Ant2	5250_UNII-1	-10.55	≤16.00	-3.55	≤10.00	PASS
	total	5250_UNII-1	-7.30	≤16.00	-0.30	≤10.00	PASS
	Ant1	5250_UNII-2A	-10.00	≤10.00	-3.00	/	PASS
	Ant2	5250_UNII-2A	-10.35	≤10.00	-3.35	/	PASS
	total	5250_UNII-2A	-7.16	≤10.00	-0.16	/	PASS
	Ant1	5570	-11.32	≤10.00	-4.32	/	PASS
	Ant2	5570	-11.00	≤10.00	-4.00	/	PASS
total	5570	-8.15	≤10.00	-1.15	/	PASS	

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725-5.85 GHz.

2.The Duty Cycle Factor is compensated in the graph.