

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

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802.11ax (HEW80)	MIMO				0	120	5550.080	5470 to 5725	Pass
					10	120	5550.080	5470 to 5725	Pass
					30	120	5550.080	5470 to 5725	Pass
					40	120	5550.120	5470 to 5725	Pass
		5670	RU484	Left	20	102	5670.040	5470 to 5725	Pass
						120	5670.120	5470 to 5725	Pass
						138	5670.080	5470 to 5725	Pass
					0	120	5670.120	5470 to 5725	Pass
					10	120	5670.080	5470 to 5725	Pass
					30	120	5670.080	5470 to 5725	Pass
					40	120	5670.080	5470 to 5725	Pass
		5755	RU484	Left	20	102	5755.080	5725 to 5850	Pass
						120	5755.040	5725 to 5850	Pass
						138	5755.080	5725 to 5850	Pass
					0	120	5755.080	5725 to 5850	Pass
					10	120	5755.080	5725 to 5850	Pass
					30	120	5755.080	5725 to 5850	Pass
					40	120	5755.080	5725 to 5850	Pass
		5795	RU484	Left	20	102	5795.120	5725 to 5850	Pass
						120	5795.080	5725 to 5850	Pass
						138	5795.080	5725 to 5850	Pass
					0	120	5795.120	5725 to 5850	Pass
					10	120	5795.160	5725 to 5850	Pass
					30	120	5795.080	5725 to 5850	Pass
					40	120	5795.080	5725 to 5850	Pass
		5210	RU996	Left	20	102	5210.151	5150 to 5250	Pass
						120	5210.151	5150 to 5250	Pass
						138	5210.151	5150 to 5250	Pass
					0	120	5210.076	5150 to 5250	Pass
					10	120	5210.076	5150 to 5250	Pass
					30	120	5210.151	5150 to 5250	Pass
					40	120	5210.076	5150 to 5250	Pass
		5290	RU996	Left	20	102	5290.151	5250 to 5350	Pass
						120	5290.076	5250 to 5350	Pass
						138	5290.151	5250 to 5350	Pass
					0	120	5290.076	5250 to 5350	Pass
					10	120	5290.151	5250 to 5350	Pass
					30	120	5290.151	5250 to 5350	Pass
					40	120	5290.151	5250 to 5350	Pass
		5530	RU996	Left	20	102	5530.076	5470 to 5725	Pass



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802.11ax (HEW160)	MIMO	5610	RU996	Left	0	120	5530.151	5470 to 5725	Pass
						138	5530.151	5470 to 5725	Pass
						120	5530.151	5470 to 5725	Pass
					10	120	5530.076	5470 to 5725	Pass
						120	5530.151	5470 to 5725	Pass
						120	5530.076	5470 to 5725	Pass
						120	5530.151	5470 to 5725	Pass
					20	102	5610.151	5470 to 5725	Pass
						120	5610.076	5470 to 5725	Pass
						138	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
		5775	RU996	Left	0	120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
						120	5610.151	5470 to 5725	Pass
					10	102	5775.076	5725 to 5850	Pass
						120	5775.151	5725 to 5850	Pass
						138	5775.076	5725 to 5850	Pass
						120	5775.076	5725 to 5850	Pass
						120	5775.151	5725 to 5850	Pass
						120	5775.076	5725 to 5850	Pass
		5570	2xRU996	Left	20	102	5570.150	5470 to 5725	Pass
						120	5570.150	5470 to 5725	Pass
						138	5570.150	5470 to 5725	Pass
					0	120	5570.150	5470 to 5725	Pass
						120	5570.150	5470 to 5725	Pass
						120	5570.150	5470 to 5725	Pass
					10	120	5570.150	5470 to 5725	Pass
						120	5570.150	5470 to 5725	Pass
						120	5570.150	5470 to 5725	Pass
		5250	2xRU996	Left	20	102	5250.150	5150 to 5350	Pass
						120	5250.150	5150 to 5350	Pass
						138	5250.225	5150 to 5350	Pass
					0	120	5250.150	5150 to 5350	Pass
						120	5250.150	5150 to 5350	Pass
						120	5250.150	5150 to 5350	Pass
					10	120	5250.150	5150 to 5350	Pass
						120	5250.150	5150 to 5350	Pass
						120	5250.075	5150 to 5350	Pass



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (HEW160) Laboratory

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6. Transmitter Power Control

6.1 Maximum Conducted Output Power

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	SISO	5260	/	/	13.68	14.49	14.55	/	<=24	Pass
		5300	/	/	13.42	14.25	13.52	/	<=24	Pass
		5320	/	/	14.00	14.67	14.67	/	<=24	Pass
		5500	/	/	14.38	15.53	15.26	/	<=24	Pass
		5580	/	/	13.91	15.08	14.36	/	<=24	Pass
		5700	/	/	14.25	14.81	14.59	/	<=24	Pass
802.11n (HT20)	MIMO	5260	/	/	7.86	7.79	8.64	12.89	<=24	Pass
		5300	/	/	7.10	8.27	8.10	12.62	<=24	Pass
		5320	/	/	7.13	7.68	7.59	12.24	<=24	Pass
		5500	/	/	8.39	9.02	8.39	13.38	<=24	Pass
		5580	/	/	8.11	8.22	7.55	12.74	<=24	Pass
		5700	/	/	7.15	8.62	8.01	12.74	<=24	Pass
802.11n (HT40)	MIMO	5270	/	/	8.07	8.70	8.83	13.32	<=24	Pass
		5310	/	/	7.78	8.23	8.16	12.83	<=24	Pass
		5510	/	/	8.56	9.52	8.98	13.81	<=24	Pass
		5550	/	/	9.09	9.42	9.61	14.15	<=24	Pass
		5670	/	/	8.62	10.08	9.47	14.20	<=24	Pass
802.11ac (VHT20)	MIMO	5260	/	/	7.86	8.59	8.05	12.95	<=24	Pass
		5300	/	/	7.66	7.91	7.53	12.47	<=24	Pass
		5320	/	/	7.39	7.77	7.85	12.45	<=24	Pass
		5500	/	/	8.11	8.66	7.88	13.00	<=24	Pass
		5580	/	/	7.16	8.63	8.20	12.81	<=24	Pass
		5700	/	/	7.35	8.10	7.60	12.47	<=24	Pass
802.11ac (VHT40)	MIMO	5270	/	/	8.85	8.73	8.64	13.51	<=24	Pass
		5310	/	/	8.36	9.01	8.86	13.52	<=24	Pass
		5510	/	/	7.80	7.67	8.09	12.63	<=24	Pass
		5550	/	/	9.29	9.59	9.56	14.25	<=24	Pass
		5670	/	/	9.26	10.05	9.17	14.28	<=24	Pass
802.11ac (VHT80)	MIMO	5290	/	/	8.17	8.31	8.75	13.19	<=24	Pass
		5530	/	/	8.19	9.45	9.12	13.72	<=24	Pass
		5610	/	/	8.97	9.84	9.68	14.28	<=24	Pass
802.11ac	MIMO	5570	/	/	6.71	6.84	6.48	11.45	<=24	Pass



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(VHT160)		5250	/	/	7.36	7.68	6.90	12.10	<=24	Pass
802.11ax (HEW20)	MIMO	5260	RU242	Left	7.77	8.66	8.15	12.98	<=24	Pass
		5300	RU242	Left	6.13	5.14	8.77	11.73	<=24	Pass
		5320	RU242	Left	7.36	8.41	8.18	12.78	<=24	Pass
		5500	RU242	Left	7.84	7.72	7.99	12.62	<=24	Pass
		5580	RU242	Left	8.14	8.69	7.99	13.06	<=24	Pass
		5700	RU242	Left	8.09	8.20	8.66	13.09	<=24	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	7.78	8.97	8.95	13.37	<=24	Pass
		5310	RU484	Left	8.05	8.04	8.19	12.87	<=24	Pass
		5510	RU484	Left	6.98	7.14	6.85	11.76	<=24	Pass
		5550	RU484	Left	7.60	9.18	8.89	13.38	<=24	Pass
		5670	RU484	Left	8.31	8.99	8.56	13.40	<=24	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	7.44	7.70	7.29	12.25	<=24	Pass
		5530	RU996	Left	8.63	9.22	8.65	13.61	<=24	Pass
		5610	RU996	Left	8.58	9.47	8.70	13.71	<=24	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	6.88	7.85	7.17	12.09	<=24	Pass
		5250	2xRU996	Left	8.24	9.06	8.72	13.46	<=24	Pass

Note1: ANT1 &ANT2: 2.5dBi ANT3:3.65dBi; Directional Gain: 7.67dBi.

Note2: $\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi}$

- End of the Report -



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