

Standalone SAR test exclusion considerations

S = Maximum power density (mW/cm2)
P = Power input to the antenna (mW)
G = Numeric power gain of the antenna
R = Distance to the center of the radiation of the antenna
EIRP = Equivalent Isotropic Radiated Power(mW) (=P*G)

Frequency range (MHz)			Electric Field strength (V/m)	Magnetic field strength (A/m)	Power Density (mW/cm2)	Averaging time (minutes)
0.3	~	1.34	614	1.63	*100	30
1.34	~	30	824 / f	2.19 / f	*180 / f2	30
30	~	300	27.5	0.073	0.2	30
300	~	1,500			f / 1500	30
1,500	~	100,000			1	30

Model Name : RSE

FCC ID : 2A17Y-RSE

Separation distance (R): 20.0 cm

Modulation		Frequency (MHz)	Measured Maximum Output Power	Tune-up tolerance	Max. Power with tune-up tolerance (P)		Antenna Gain (G)		Power Density (S)	Limit of Power Density (S)	Result
			(dBm)	(dB)	(dBm)	(mW)	(dBi)	(numeric)	(mW/cm2)	(mW/cm2)	
2.4GHz	BDR	2402	3.06	± 1.00	4.06	2.55	1.88	1.54	0.0008	1.00	PASS
		2442	3.79		4.79	3.01	1.88	1.54	0.0009	1.00	PASS
		2480	4.97		5.97	3.95	1.88	1.54	0.0012	1.00	PASS
	EDR	2402	1.28	± 1.00	2.28	1.69	1.88	1.54	0.0005	1.00	PASS
		2442	1.70		2.70	1.86	1.88	1.54	0.0006	1.00	PASS
		2480	1.79		2.79	1.90	1.88	1.54	0.0006	1.00	PASS
	802.11b	2412	13.05	± 1.00	14.05	25.41	1.88	1.54	0.0078	1.00	PASS
		2437	13.10		14.10	25.70	1.88	1.54	0.0079	1.00	PASS
		2462	13.06		14.06	25.47	1.88	1.54	0.0078	1.00	PASS
	802.11g	2412	12.51	± 1.00	13.51	22.44	1.88	1.54	0.0069	1.00	PASS
		2437	12.64		13.64	23.12	1.88	1.54	0.0071	1.00	PASS
		2462	12.80		13.80	23.99	1.88	1.54	0.0074	1.00	PASS
	802.11n_HT20	2412	12.35	± 1.00	13.35	21.63	1.88	1.54	0.0066	1.00	PASS
		2437	12.27		13.27	21.23	1.88	1.54	0.0065	1.00	PASS
		2462	12.36		13.36	21.68	1.88	1.54	0.0066	1.00	PASS
	UNII-1	802.11a	5180	± 1.00	9.53	8.97	3.60	2.29	0.0041	1.00	PASS
		5220	8.21		9.21	8.34	3.60	2.29	0.0038	1.00	PASS
		5240	8.43		9.43	8.77	3.60	2.29	0.0040	1.00	PASS
		802.11n_HT20	5180	± 1.00	9.30	8.51	3.60	2.29	0.0039	1.00	PASS
		5220	8.07		9.07	8.07	3.60	2.29	0.0037	1.00	PASS
		5240	8.19		9.19	8.30	3.60	2.29	0.0038	1.00	PASS
		802.11n_HT40	5190	± 1.00	9.67	9.27	3.60	2.29	0.0042	1.00	PASS
		5230	8.61		9.61	9.14	3.60	2.29	0.0042	1.00	PASS
		5180	6.68	± 1.00	9.03	8.00	3.60	2.29	0.0036	1.00	PASS
		5220	6.41		9.09	8.11	3.60	2.29	0.0037	1.00	PASS
		5240	6.53		9.43	6.97	3.60	2.29	0.0032	1.00	PASS
		802.11ac_VH T40	5190	± 1.00	8.58	7.21	3.60	2.29	0.0033	1.00	PASS
		5230	7.35		8.35	6.84	3.60	2.29	0.0031	1.00	PASS
UNII-2A	802.11a	5260	8.48	± 1.00	9.48	8.87	3.60	2.29	0.0040	1.00	PASS
		5300	8.05		9.05	8.04	3.60	2.29	0.0037	1.00	PASS
		5320	8.41		9.41	8.73	3.60	2.29	0.0040	1.00	PASS
	802.11n_HT20	5260	8.08	± 1.00	9.08	8.09	3.60	2.29	0.0037	1.00	PASS
		5300	7.95		8.95	7.85	3.60	2.29	0.0036	1.00	PASS
		5320	8.18		9.18	8.28	3.60	2.29	0.0038	1.00	PASS
	802.11n_HT40	5270	8.50	± 1.00	9.50	8.91	3.60	2.29	0.0041	1.00	PASS
		5310	8.36		9.36	8.63	3.60	2.29	0.0039	1.00	PASS
		5260	6.66	± 1.00	9.09	8.11	3.60	2.29	0.0037	1.00	PASS
		5300	6.18		1.00	1.26	3.60	2.29	0.0006	1.00	PASS
		5320	6.29		1.00	1.26	3.60	2.29	0.0006	1.00	PASS
	802.11ac_VH T40	5270	7.06	± 1.00	8.06	6.40	3.60	2.29	0.0029	1.00	PASS
		5310	7.16		8.16	6.55	3.60	2.29	0.0030	1.00	PASS

UNII-2C	802.11a	5500	8.80	± 1.00	9.80	9.55	3.60	2.29	0.0044	1.00	PASS
		5600	8.88		9.88	9.73	3.60	2.29	0.0044	1.00	PASS
		5700	8.03		9.03	8.00	3.60	2.29	0.0036	1.00	PASS
	802.11n_HT2 0	5500	8.33	± 1.00	9.33	8.57	3.60	2.29	0.0039	1.00	PASS
		5600	8.58		9.58	9.08	3.60	2.29	0.0041	1.00	PASS
		5700	7.41		8.41	6.93	3.60	2.29	0.0032	1.00	PASS
	802.11n_HT4 0	5510	8.85	± 1.00	9.85	9.66	3.60	2.29	0.0044	1.00	PASS
		5590	9.13		10.13	10.30	3.60	2.29	0.0047	1.00	PASS
		5670	8.47		9.47	8.85	3.60	2.29	0.0040	1.00	PASS
	802.11ac_VH T20	5500	7.28	± 1.00	8.28	6.73	3.60	2.29	0.0031	1.00	PASS
		5600	7.16		8.16	6.55	3.60	2.29	0.0020	1.00	PASS
		5700	6.16		7.16	5.20	3.60	2.29	0.0024	1.00	PASS
	802.11ac_VH T40	5510	7.79	± 1.00	8.79	7.57	3.60	2.29	0.0034	1.00	PASS
		5590	7.99		8.99	7.93	3.60	2.29	0.0036	1.00	PASS
		5670	7.39		8.39	6.90	3.60	2.29	0.0031	1.00	PASS
UNII-3	802.11a	5745	8.09	± 1.00	9.09	8.11	3.60	2.29	0.0037	1.00	PASS
		5785	7.43		8.43	6.97	3.60	2.29	0.0032	1.00	PASS
		5825	6.71		7.71	5.90	3.60	2.29	0.0027	1.00	PASS
	802.11n_HT2 0	5745	7.48	± 1.00	8.48	7.05	3.60	2.29	0.0032	1.00	PASS
		5785	7.03		8.03	6.35	3.60	2.29	0.0029	1.00	PASS
		5825	6.33		7.33	5.41	3.60	2.29	0.0025	1.00	PASS
	802.11n_HT4 0	5755	7.98	± 1.00	8.98	7.91	3.60	2.29	0.0036	1.00	PASS
		5795	7.16		8.16	6.55	3.60	2.29	0.0030	1.00	PASS
		5745	6.34		1.00	1.26	3.60	2.29	0.0006	1.00	PASS
	802.11ac_VH T20	5785	5.61	± 1.00	1.00	1.26	3.60	2.29	0.0006	1.00	PASS
		5825	5.19		1.00	1.26	3.60	2.29	0.0006	1.00	PASS
		5755	6.92		7.92	6.19	3.60	2.29	0.0028	1.00	PASS
	802.11ac_VH T40	5795	6.12	± 1.00	7.12	5.15	3.60	2.29	0.0023	1.00	PASS

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.