FCC ID : 2AL9D-FWR9502

RF EXPOSURE EVALUATION

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm^2)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	**--**	**--**	**F/300**	**6**
1500-100000	**--**	**--**	**5**	**6**
(B) Limits for General Population/Uncontrol Exposures				
300-1500	**--**	**--**	**F/1500**	**6**
1500-100000	**--**	**--**	**1**	**30**

11.1 Friis transmission formula: Pd= (Pout*G)\ ($4*pi*R^2$)

Where

Pd= Power density in mW/cm^2

Pout=output power to antenna in mW

G= Numeric gain of the antenna relative to isotropic antenna

Pi=3.1416

R= distance between observation point and center of the radiator in 20cm

Pd the limit of MPE, $1mW/cm^2$. If we know the maximum gain of the nd total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

11.2 Measurement Result

WIFI 5G antenna 0:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
5180	11a	23.66	13.74	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5200	11a	20.65	13.15	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5240	11a	25.12	14.00	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5745	11a	17.66	12.47	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11a	17.02	12.31	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11a	14.39	11.58	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11n(VHT20)	17.34	12.39	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11n(VHT20)	17.66	12.47	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11n(VHT20)	18.79	12.74	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11n(VHT20)	21.98	13.42	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11n(VHT20)	20.14	13.04	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11n(VHT20)	16.90	12.28	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11ac(VHT20)	17.95	12.54	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11ac(VHT20)	18.03	12.56	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11ac(VHT20)	19.50	12.90	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11ac(VHT20)	21.58	13.34	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11ac(VHT20)	18.71	12.72	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11ac(VHT20)	18.07	12.57	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5190	11n(VHT40)	17.70	12.48	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5230	11n(VHT40)	28.91	14.61	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11n(VHT40)	18.84	12.75	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5795	11n(VHT40)	22.91	13.60	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5190	11ac(VHT40)	20.28	13.07	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5230	11ac(VHT40)	26.67	14.26	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11ac(VHT40)	17.18	12.35	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5795	11ac(VHT40)	15.85	12.00	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5210	11ac(VHT80)	39.81	16.00	15dBm to 17dBm	17	3.16	0.03151	<1
5775	11ac(VHT80)	19.05	12.80	12dBm to 14dBm	14	3.16	0.01579	<1

WIFI 5G antenna 1:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
5180	11a	22.13	13.45	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5200	11a	19.23	12.84	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5240	11a	22.65	13.55	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5745	11a	15.89	12.01	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11a	16.03	12.05	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11a	14.42	11.59	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11n(VHT20)	18.79	12.74	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11n(VHT20)	18.03	12.56	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11n(VHT20)	18.84	12.75	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11n(VHT20)	19.14	12.82	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11n(VHT20)	19.45	12.89	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11n(VHT20)	16.71	12.23	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11ac(VHT20)	17.91	12.53	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11ac(VHT20)	17.58	12.45	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11ac(VHT20)	19.01	12.79	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11ac(VHT20)	21.28	13.28	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11ac(VHT20)	18.54	12.68	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11ac(VHT20)	16.75	12.24	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5190	11n(VHT40)	18.71	12.72	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5230	11n(VHT40)	23.82	13.77	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11n(VHT40)	18.45	12.66	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5795	11n(VHT40)	15.70	11.96	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5190	11ac(VHT40)	17.02	12.31	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5230	11ac(VHT40)	24.10	13.82	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11ac(VHT40)	17.26	12.37	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5795	11ac(VHT40)	17.02	12.31	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5210	11ac(VHT80)	37.84	15.78	15dBm to 17dBm	17	3.16	0.03151	<1
5775	11ac(VHT80)	17.06	12.32	12dBm to 14dBm	14	3.16	0.01579	<1

WIFI 5G antenna 2:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
5180	11a	24.72	13.93	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5200	11a	19.86	12.98	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5240	11a	23.23	13.66	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5745	11a	15.85	12.00	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11a	15.52	11.91	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11a	14.42	11.59	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11n(VHT20)	17.18	12.35	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11n(VHT20)	17.34	12.39	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11n(VHT20)	19.28	12.85	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11n(VHT20)	20.65	13.15	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11n(VHT20)	18.45	12.66	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11n(VHT20)	16.71	12.23	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11ac(VHT20)	17.14	12.34	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11ac(VHT20)	17.18	12.35	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11ac(VHT20)	18.92	12.77	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11ac(VHT20)	18.92	12.77	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11ac(VHT20)	18.28	12.62	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11ac(VHT20)	17.10	12.33	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5190	11n(VHT40)	17.50	12.43	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5230	11n(VHT40)	24.21	13.84	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11n(VHT40)	17.58	12.45	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5795	11n(VHT40)	15.60	11.93	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5190	11ac(VHT40)	16.63	12.21	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5230	11ac(VHT40)	23.82	13.77	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11ac(VHT40)	19.45	12.89	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5795	11ac(VHT40)	15.21	11.82	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5210	11ac(VHT80)	37.84	15.78	15dBm to 17dBm	17	3.16	0.03151	<1
5775	11ac(VHT80)	17.50	12.43	12dBm to 14dBm	14	3.16	0.01579	<1

WIFI 5G antenna 3:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
5180	11a	21.98	13.42	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5200	11a	19.86	12.98	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5240	11a	24.38	13.87	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5745	11a	16.22	12.10	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11a	14.79	11.70	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11a	14.32	11.56	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11n(VHT20)	17.18	12.35	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11n(VHT20)	19.28	12.85	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11n(VHT20)	18.58	12.69	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11n(VHT20)	21.73	13.37	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11n(VHT20)	18.54	12.68	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11n(VHT20)	21.53	13.33	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5180	11ac(VHT20)	21.23	13.27	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5200	11ac(VHT20)	18.41	12.65	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5240	11ac(VHT20)	18.92	12.77	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5745	11ac(VHT20)	20.61	13.14	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5785	11ac(VHT20)	17.70	12.48	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5825	11ac(VHT20)	16.98	12.30	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5190	11n(VHT40)	20.75	13.17	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5230	11n(VHT40)	35.97	15.56	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11n(VHT40)	17.54	12.44	11.5dBm to 13.5dBm	13.5	3.16	0.01407	<1
5795	11n(VHT40)	15.60	11.93	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5190	11ac(VHT40)	17.82	12.51	12.5dBm to 14.5dBm	14.5	3.16	0.01772	<1
5230	11ac(VHT40)	26.30	14.20	13dBm to 15dBm	15	3.16	0.01988	<1
5755	11ac(VHT40)	16.52	12.18	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5795	11ac(VHT40)	15.89	12.01	11.5dBm to 13.5dBm	15	3.16	0.01988	<1
5210	11ac(VHT80)	39.81	16.00	15dBm to 17dBm	17	3.16	0.03151	<1
5775	11ac(VHT80)	18.28	12.62	12dBm to 14dBm	14	3.16	0.01579	<1

WIFI 5G antenna 0+1+2+3:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
5180	11n(VHT20)	16.83	12.26	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5200	11n(VHT20)	17.58	12.45	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5240	11n(VHT20)	18.97	12.78	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5745	11n(VHT20)	21.78	13.38	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5785	11n(VHT20)	18.58	12.69	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5825	11n(VHT20)	16.83	12.26	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5180	11ac(VHT20)	21.09	13.24	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5200	11ac(VHT20)	17.30	12.38	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5240	11ac(VHT20)	19.68	12.94	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5745	11ac(VHT20)	18.66	12.71	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5785	11ac(VHT20)	27.29	14.36	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5825	11ac(VHT20)	16.29	12.12	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5190	11n(VHT40)	16.75	12.24	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5230	11n(VHT40)	25.47	14.06	13dBm to 15dBm	15	12.65	0.07958	<1
5755	11n(VHT40)	16.48	12.17	11.5dBm to 13.5dBm	13.5	12.65	0.05634	<1
5795	11n(VHT40)	16.00	12.04	12.5dBm to 14.5dBm	14.5	12.65	0.07093	<1
5190	11ac(VHT40)	14.96	11.75	12.5dBm to 14.5dBm	14.5	12.65	0.07093	<1
5230	11ac(VHT40)	21.58	13.34	13dBm to 15dBm	15	12.65	0.07958	<1
5755	11ac(VHT40)	16.33	12.13	11.5dBm to 13.5dBm	15	12.65	0.07958	<1
5795	11ac(VHT40)	15.60	11.93	11.5dBm to 13.5dBm	15	12.65	0.07958	<1
5210	11ac(VHT80)	51.40	17.11	15dBm to 17dBm	17	12.65	0.12613	<1
5775	11ac(VHT80)	18.20	12.60	12dBm to 14dBm	14	12.65	0.06322	<1

WIFI 2.4G antenna 0:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
2.412	11b	31.26	14.95	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11b	41.21	16.15	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11b	26.61	14.25	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11g	35.89	15.55	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11g	47.10	16.73	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11g	34.59	15.39	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11n HT20	34.51	15.38	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11n HT20	45.60	16.59	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11n HT20	33.11	15.20	14dBm to 16dBm	16	3.16	0.02503	<1
2.422	11n HT40	42.85	16.32	15dBm to 17dBm	17	3.16	0.03151	<1
2.437	11n HT40	48.19	16.83	15dBm to 17dBm	17	3.16	0.03151	<1
2.452	11n HT40	41.02	16.13	15dBm to 17dBm	17	3.16	0.03151	<1

WIFI antenna 1:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
2.412	11b	33.11	15.20	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11b	34.91	15.43	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11b	26.79	14.28	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11g	40.93	16.12	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11g	43.45	16.38	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11g	33.65	15.27	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11n HT20	39.81	16.00	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11n HT20	41.30	16.16	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11n HT20	32.14	15.07	14dBm to 16dBm	16	3.16	0.02503	<1
2.422	11n HT40	44.57	16.49	15dBm to 17dBm	17	3.16	0.03151	<1
2.437	11n HT40	44.87	**16.52**	15dBm to 17dBm	17	3.16	0.03151	<1
2.452	11n HT40	33.96	15.31	15dBm to 17dBm	17	3.16	0.03151	<1

WIFI 2.4G antenna 2:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
2.412	11b	32.06	15.06	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11b	35.81	15.54	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11b	30.20	14.80	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11g	43.85	16.42	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11g	46.13	**16.64**	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11g	40.27	16.05	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11n HT20	38.55	15.86	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11n HT20	42.46	16.28	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11n HT20	34.20	15.34	14dBm to 16dBm	16	3.16	0.02503	<1
2.422	11n HT40	44.57	16.49	15dBm to 17dBm	17	3.16	0.03151	<1
2.437	11n HT40	44.46	16.48	15dBm to 17dBm	17	3.16	0.03151	<1
2.452	11n HT40	37.93	15.79	15dBm to 17dBm	17	3.16	0.03151	<1

WIFI antenna 3:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
2.412	11b	33.34	15.23	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11b	36.31	15.60	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11b	31.05	14.92	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11g	41.11	16.14	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11g	49.43	**16.94**	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11g	42.66	16.30	14dBm to 16dBm	16	3.16	0.02503	<1
2.412	11n HT20	36.48	15.62	14dBm to 16dBm	16	3.16	0.02503	<1
2.437	11n HT20	44.57	16.49	15dBm to 17dBm	17	3.16	0.03151	<1
2.462	11n HT20	38.55	15.86	14dBm to 16dBm	16	3.16	0.02503	<1
2.422	11n HT40	43.65	16.40	15dBm to 17dBm	17	3.16	0.03151	<1
2.437	11n HT40	46.99	16.72	15dBm to 17dBm	17	3.16	0.03151	<1
2.452	11n HT40	42.46	16.28	15dBm to 17dBm	17	3.16	0.03151	<1

WIFI antenna 0+1+2+3:

Channel Freq. (MHz)	modulation	conducted power (mW)	conducted power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain Numeric	Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
2.412	11n HT20	116.41	21.74	21dBm to 23dBm	23	12.65	0.50214	<1
2.437	11n HT20	119.40	22.41	21dBm to 23dBm	23	12.65	0.50214	<1
2.462	11n HT20	114.29	21.40	21dBm to 23dBm	23	12.65	0.50214	<1
2.422	11n HT40	120.50	22.45	21dBm to 23dBm	23	12.65	0.50214	<1
2.437	11n HT40	124.17	**22.66**	21dBm to 23dBm	23	12.65	0.50214	<1
2.452	11n HT40	128.53	21.91	21dBm to 23dBm	23	12.65	0.50214	<1

WIFI 5G +WIFI 2.4G MAX RF EXPOSURE EVALUATION

Max WIFI 2.4G band Evaluation result (mW/cm2)	Max WIFI 5G band Evaluation result (mW/cm2)	Summation of Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
0.50214	0.12613	0.62827	<1