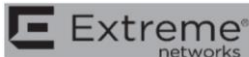


Radio Exposure Evaluation Report

Equipment : 室外型無線基地台
Brand Name :  Extreme Networks or Extreme Networks
Model Name : AP360i, AP360e
Applicant : 香港商極進網路有限公司台灣分公司
台北市松山區復勢里南京東路 4 段 126 號 5 樓
Manufacturer : 神準科技股份有限公司
桃園市龜山區復興三路 500 號
Standard : LP0002 Section 5.20.2 (2018-01-10)

The product was received on Nov. 27, 2019, and testing was started from Jan. 23, 2020 and completed on Mar. 07, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in LP0002 Section 5.20.2 (2018-01-10) and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of United States government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
2	-	Exposure evaluation	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

None.

Reviewed by: Sam Tsai

Report Producer: Ann Hou

1 General Description

1.1 EUT General Information

RF General Information			
Evaluation Mode	Frequency Range (MHz)	Operating Frequency (MHz)	Modulation Type
2.4GHz WLAN	2400-2483.5	2412-2462	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11 ax: OFDMA(BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
5GHz WLAN	5150-5250 5250-5350 5470-5725 5725-5850	5180-5240 5260-5320 5500-5700 5745-5825	802.11a/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11 ax: OFDMA(BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Bluetooth	2400-2483.5	2402-2480	LE: DSSS (GFSK)
Thread	2400-2483.5	2405-2480	DSSS (O-QPSK)

1.2 Table for Multiple Listing

Sample Number	Model Name	Description
1	AP360i	The "i" in AP360i indicates that it comes with internal antennas and the "e" in AP360e indicates that the access point comes with external antenna connectors.
2	AP360e	

1.3 Testing Location

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287

2 Maximum Permissible Exposure

2.1 Limit of Maximum Permissible Exposure

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	*100	6
3-30	1842 / f	4.89 / f	*900 / f ²	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5.0	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	*100	30
3-30	1842/f	4.89/f	*180/f ²	30
30-300	27.5	0.073	1.0	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

2.2 MPE Calculation Method

The MPE was calculated at 26 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

2.3 Calculated Result and Limit

Exposure Environment: General Population / Uncontrolled Exposure

WLAN 2.4G

Non-Beamforming_Sample 1_Radio1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	4.53	24.45	28.98	0.50	29.48	0.88716	26	0.10443	1.00000
2.4G;D1D	4.53	24.35	28.88	0.50	29.38	0.86696	26	0.10206	1.00000

Non-Beamforming_Sample 1_Radio1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	4.53	27.29	31.82	0.50	32.32	1.70608	26	0.20084	1.00000
2.4G;D1D	4.53	26.98	31.51	0.50	32.01	1.58855	26	0.18700	1.00000

Non-Beamforming_Sample 2_Radio1_Omni_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	5.00	25.20	30.20	0.50	30.70	1.17490	26	0.13831	1.00000
2.4G;D1D	5.00	23.88	28.88	0.50	29.38	0.86696	26	0.10206	1.00000

Non-Beamforming_Sample 2_Radio1_Omni_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	5.00	27.03	32.03	0.50	32.53	1.79061	26	0.21079	1.00000
2.4G;D1D	5.00	25.66	30.66	0.50	31.16	1.30617	26	0.15376	1.00000

Non-Beamforming_Sample 2_Radio1_Panel 1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	7.80	25.14	32.94	0.50	33.44	2.20800	26	0.25992	1.00000
2.4G;D1D	7.80	24.03	31.83	0.50	32.33	1.71002	26	0.20130	1.00000

Non-Beamforming_Sample 2_Radio1_Panel 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	7.80	26.89	34.69	0.50	35.19	3.30370	26	0.38890	1.00000
2.4G;D1D	7.80	25.58	33.38	0.50	33.88	2.44343	26	0.28764	1.00000

Non-Beamforming_Sample 2_Radio1_Panel 2_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	10.50	24.09	34.59	0.50	35.09	3.22849	26	0.38005	1.00000
2.4G;D1D	10.50	23.50	34.00	0.50	34.50	2.81838	26	0.33177	1.00000

Non-Beamforming_Sample 2_Radio1_Panel 2_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	10.50	24.75	35.25	0.50	35.75	3.75837	26	0.44243	1.00000
2.4G;D1D	10.50	24.98	35.48	0.50	35.98	3.96278	26	0.46649	1.00000

Beamforming_Sample 1_Radio1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	7.43	25.86	33.29	0.50	33.79	2.39332	26	0.28174	1.00000

Beamforming_Sample 2_Radio1_Omni

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	8.01	24.32	32.33	0.50	32.83	1.91867	26	0.22586	1.00000

Beamforming_Sample 2_Radio1_Panel 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	10.81	24.59	35.40	0.50	35.90	3.89045	26	0.45798	1.00000

Beamforming_Sample 2_Radio1_Panel 2

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	13.51	21.73	35.24	0.50	35.74	3.74973	26	0.44141	1.00000

WLAN 5G_indoor
Non-Beamforming_Sample 1_Radio 1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	4.80	23.88	28.68	0.50	29.18	0.82794	26	0.09746	1.00000
5.3G;D1D	4.80	23.29	28.09	0.50	28.59	0.72277	26	0.08508	1.00000
5.6G;D1D	4.80	22.93	27.73	0.50	28.23	0.66527	26	0.07831	1.00000
5.8G;D1D	4.80	23.89	28.69	0.50	29.19	0.82985	26	0.09769	1.00000

Non-Beamforming_Sample 1_Radio 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	5.09	25.67	30.76	0.50	31.26	1.33660	26	0.15734	1.00000
5.3G;D1D	4.95	23.73	28.68	0.50	29.18	0.82794	26	0.09746	1.00000
5.6G;D1D	4.95	23.88	28.83	0.50	29.33	0.85704	26	0.10089	1.00000
5.8G;D1D	4.95	23.06	28.01	0.50	28.51	0.70958	26	0.08353	1.00000

Non-Beamforming_Sample 1_Radio 2_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	4.94	23.04	27.98	0.50	28.48	0.70469	26	0.08296	1.00000
5.3G;D1D	4.94	22.64	27.58	0.50	28.08	0.64269	26	0.07566	1.00000
5.6G;D1D	4.94	23.46	28.40	0.50	28.90	0.77625	26	0.09138	1.00000
5.8G;D1D	4.94	23.30	28.24	0.50	28.74	0.74817	26	0.08807	1.00000

Non-Beamforming_Sample 1_Radio 2_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	5.10	26.04	31.14	0.50	31.64	1.45881	26	0.17173	1.00000
5.3G;D1D	5.02	23.81	28.83	0.50	29.33	0.85704	26	0.10089	1.00000
5.6G;D1D	5.02	23.95	28.97	0.50	29.47	0.88512	26	0.10419	1.00000
5.8G;D1D	5.10	26.03	31.13	0.50	31.63	1.45546	26	0.17133	1.00000

Non-Beamforming_Sample 2_Radio 1_Omni_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	23.53	31.53	0.50	32.03	1.59588	26	0.18786	1.00000
5.3G;D1D	8.00	21.41	29.41	0.50	29.91	0.97949	26	0.11530	1.00000
5.6G;D1D	8.00	21.27	29.27	0.50	29.77	0.94842	26	0.11165	1.00000
5.8G;D1D	8.00	23.43	31.43	0.50	31.93	1.55955	26	0.18359	1.00000

Non-Beamforming_Sample 2_Radio 1_Omni_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	26.11	34.11	0.50	34.61	2.89068	26	0.34029	1.00000
5.3G;D1D	8.00	21.47	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.6G;D1D	8.00	21.70	29.70	0.29	29.99	0.99770	26	0.12327	1.00000
5.8G;D1D	8.00	24.18	32.18	0.50	32.68	1.85353	26	0.21819	1.00000

Non-Beamforming_Sample 2_Radio 2_Omni_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	23.21	31.21	0.50	31.71	1.48252	26	0.17452	1.00000
5.3G;D1D	8.00	21.48	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.6G;D1D	8.00	21.46	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	8.00	23.21	31.21	0.50	31.71	1.48252	26	0.17452	1.00000

Non-Beamforming_Sample 2_Radio 2_Omni_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	26.15	34.15	0.50	34.65	2.91743	26	0.34343	1.00000
5.3G;D1D	8.00	21.44	29.44	0.50	29.94	0.98628	26	0.11610	1.00000
5.6G;D1D	8.00	21.47	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.8G;D1D	8.00	25.98	33.98	0.50	34.48	2.80543	26	0.33025	1.00000

**Non-Beamforming_Sample 2_Radio 1_Panel 1_1T1S**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	23.79	34.49	0.50	34.99	3.15500	26	0.37140	1.00000
5.3G;D1D	10.70	18.75	29.45	0.50	29.95	0.98855	26	0.11637	1.00000
5.6G;D1D	10.70	18.78	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.8G;D1D	10.70	23.62	34.32	0.50	34.82	3.03389	26	0.35714	1.00000

Non-Beamforming_Sample 2_Radio 1_Panel 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	24.73	35.43	0.50	35.93	3.91742	26	0.46115	1.00000
5.3G;D1D	10.70	18.72	29.42	0.50	29.92	0.98175	26	0.11557	1.00000
5.6G;D1D	10.70	18.76	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	10.70	24.76	35.46	0.50	35.96	3.94457	26	0.46435	1.00000

Non-Beamforming_Sample 2_Radio 2_Panel 1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	23.17	33.87	0.50	34.37	2.73527	26	0.32199	1.00000
5.3G;D1D	10.70	18.77	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.6G;D1D	10.70	18.78	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.8G;D1D	10.70	22.93	33.63	0.50	34.13	2.58821	26	0.30468	1.00000

Non-Beamforming_Sample 2_Radio 2_Panel 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	24.67	35.37	0.50	35.87	3.86367	26	0.45482	1.00000
5.3G;D1D	10.70	18.65	29.35	0.50	29.85	0.96605	26	0.11372	1.00000
5.6G;D1D	10.70	18.76	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	10.70	24.63	35.33	0.50	35.83	3.82825	26	0.45065	1.00000

Beamforming_Sample 1_Radio 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	7.96	26.18	34.14	0.50	34.64	2.91072	26	0.34264	1.00000
5.3G;D1D	7.96	21.35	29.31	0.50	29.81	0.95719	26	0.11268	1.00000
5.6G;D1D	7.96	21.41	29.37	0.50	29.87	0.97051	26	0.11425	1.00000
5.8G;D1D	7.96	25.12	33.08	0.50	33.58	2.28034	26	0.26844	1.00000

Beamforming_Sample 1_Radio 2

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.03	25.76	33.79	0.50	34.29	2.68534	26	0.31611	1.00000
5.3G;D1D	8.03	21.43	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.6G;D1D	8.03	21.46	29.49	0.50	29.99	0.99770	26	0.11745	1.00000
5.8G;D1D	8.03	25.13	33.16	0.50	33.66	2.32274	26	0.27343	1.00000

Beamforming_Sample 2_Radio 1_Omni

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	11.01	24.30	35.31	0.50	35.81	3.81066	26	0.44858	1.00000
5.3G;D1D	11.01	18.38	29.39	0.50	29.89	0.97499	26	0.11477	1.00000
5.6G;D1D	11.01	18.46	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.8G;D1D	11.01	24.45	35.46	0.50	35.96	3.94457	26	0.46435	1.00000

Beamforming_Sample 2_Radio 2_Omni

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	11.01	24.34	35.35	0.50	35.85	3.84592	26	0.45273	1.00000
5.3G;D1D	11.01	18.41	29.42	0.50	29.92	0.98175	26	0.11557	1.00000
5.6G;D1D	11.01	18.45	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	11.01	24.48	35.49	0.50	35.99	3.97192	26	0.46757	1.00000

Beamforming_Sample 2_Radio 1_Panel 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	13.71	21.75	35.46	0.50	35.96	3.94457	26	0.46435	1.00000
5.3G;D1D	13.71	15.77	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.6G;D1D	13.71	15.76	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.8G;D1D	13.71	21.77	35.48	0.50	35.98	3.96278	26	0.46649	1.00000

Beamforming_Sample 2_Radio 2_Panel 2

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	13.71	21.60	35.31	0.50	35.81	3.81066	26	0.44858	1.00000
5.3G;D1D	13.71	15.78	29.49	0.50	29.99	0.99770	26	0.11745	1.00000
5.6G;D1D	13.71	15.77	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.8G;D1D	13.71	21.75	35.46	0.50	35.96	3.94457	26	0.46435	1.00000

WLAN 5G_outdoor
Non-Beamforming_Sample 1_Radio 1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	4.80	16.07	20.87	0.50	21.37	0.13709	26	0.01614	1.00000
5.3G;D1D	4.80	23.29	28.09	0.50	28.59	0.72277	26	0.08508	1.00000
5.6G;D1D	4.80	22.93	27.73	0.50	28.23	0.66527	26	0.07831	1.00000
5.8G;D1D	4.80	23.89	28.69	0.50	29.19	0.82985	26	0.09769	1.00000

Non-Beamforming_Sample 1_Radio 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	5.09	15.88	20.97	0.50	21.47	0.14028	26	0.01651	1.00000
5.3G;D1D	4.95	23.73	28.68	0.50	29.18	0.82794	26	0.09746	1.00000
5.6G;D1D	4.95	23.88	28.83	0.50	29.33	0.85704	26	0.10089	1.00000
5.8G;D1D	4.95	23.06	28.01	0.50	28.51	0.70958	26	0.08353	1.00000

Non-Beamforming_Sample 1_Radio 2_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	4.94	16.02	20.96	0.50	21.46	0.13996	26	0.01648	1.00000
5.3G;D1D	4.94	22.64	27.58	0.50	28.08	0.64269	26	0.07566	1.00000
5.6G;D1D	4.94	23.46	28.40	0.50	28.90	0.77625	26	0.09138	1.00000
5.8G;D1D	4.94	23.30	28.24	0.50	28.74	0.74817	26	0.08807	1.00000

Non-Beamforming_Sample 1_Radio 2_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	5.02	15.95	20.97	0.50	21.47	0.14028	26	0.01651	1.00000
5.3G;D1D	5.02	23.81	28.83	0.50	29.33	0.85704	26	0.10089	1.00000
5.6G;D1D	5.02	23.95	28.97	0.50	29.47	0.88512	26	0.10419	1.00000
5.8G;D1D	5.10	26.03	31.13	0.50	31.63	1.45546	26	0.17133	1.00000

Non-Beamforming_Sample 2_Radio 1_Omni_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	23.53	31.53	0.50	32.03	1.59588	26	0.18786	1.00000
5.3G;D1D	8.00	21.41	29.41	0.50	29.91	0.97949	26	0.11530	1.00000
5.6G;D1D	8.00	21.27	29.27	0.50	29.77	0.94842	26	0.11165	1.00000
5.8G;D1D	8.00	23.43	31.43	0.50	31.93	1.55955	26	0.18359	1.00000

Non-Beamforming_Sample 2_Radio 1_Omni_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	26.11	34.11	0.50	34.61	2.89068	26	0.34029	1.00000
5.3G;D1D	8.00	21.47	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.6G;D1D	8.00	21.70	29.70	0.29	29.99	0.99770	26	0.12327	1.00000
5.8G;D1D	8.00	24.18	32.18	0.50	32.68	1.85353	26	0.21819	1.00000

Non-Beamforming_Sample 2_Radio 2_Omni_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	23.21	31.21	0.50	31.71	1.48252	26	0.17452	1.00000
5.3G;D1D	8.00	21.48	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.6G;D1D	8.00	21.46	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	8.00	23.21	31.21	0.50	31.71	1.48252	26	0.17452	1.00000

Non-Beamforming_Sample 2_Radio 2_Omni_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.00	26.15	34.15	0.50	34.65	2.91743	26	0.34343	1.00000
5.3G;D1D	8.00	21.44	29.44	0.50	29.94	0.98628	26	0.11610	1.00000
5.6G;D1D	8.00	21.47	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.8G;D1D	8.00	25.98	33.98	0.50	34.48	2.80543	26	0.33025	1.00000

Non-Beamforming_Sample 2_Radio 1_Panel 1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	13.09	23.79	0.50	24.29	0.26853	26	0.03161	1.00000
5.3G;D1D	10.70	18.75	29.45	0.50	29.95	0.98855	26	0.11637	1.00000
5.6G;D1D	10.70	18.78	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.8G;D1D	10.70	23.62	34.32	0.50	34.82	3.03389	26	0.35714	1.00000

Non-Beamforming_Sample 2_Radio 1_Panel 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	13.09	23.79	0.50	24.29	0.26853	26	0.03161	1.00000
5.3G;D1D	10.70	18.72	29.42	0.50	29.92	0.98175	26	0.11557	1.00000
5.6G;D1D	10.70	18.76	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	10.70	24.76	35.46	0.50	35.96	3.94457	26	0.46435	1.00000

Non-Beamforming_Sample 2_Radio 2_Panel 1_1T1S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	13.04	23.74	0.50	24.24	0.26546	26	0.03125	1.00000
5.3G;D1D	10.70	18.77	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.6G;D1D	10.70	18.78	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.8G;D1D	10.70	22.93	33.63	0.50	34.13	2.58821	26	0.30468	1.00000

Non-Beamforming_Sample 2_Radio 2_Panel 1_2T2S

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	10.70	13.09	23.79	0.50	24.29	0.26853	26	0.03161	1.00000
5.3G;D1D	10.70	18.65	29.35	0.50	29.85	0.96605	26	0.11372	1.00000
5.6G;D1D	10.70	18.76	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	10.70	24.63	35.33	0.50	35.83	3.82825	26	0.45065	1.00000

Beamforming_Sample 1_Radio 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	7.96	15.84	23.80	0.50	24.30	0.26915	26	0.03168	1.00000
5.3G;D1D	7.96	21.35	29.31	0.50	29.81	0.95719	26	0.11268	1.00000
5.6G;D1D	7.96	21.41	29.37	0.50	29.87	0.97051	26	0.11425	1.00000
5.8G;D1D	7.96	25.12	33.08	0.50	33.58	2.28034	26	0.26844	1.00000

Beamforming_Sample 1_Radio 2

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.03	12.94	20.97	0.50	21.47	0.14028	26	0.01651	1.00000
5.3G;D1D	8.03	21.43	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.6G;D1D	8.03	21.46	29.49	0.50	29.99	0.99770	26	0.11745	1.00000
5.8G;D1D	8.03	25.13	33.16	0.50	33.66	2.32274	26	0.27343	1.00000

Beamforming_Sample 2_Radio 1_Omni

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	11.01	24.30	35.31	0.50	35.81	3.81066	26	0.44858	1.00000
5.3G;D1D	11.01	18.38	29.39	0.50	29.89	0.97499	26	0.11477	1.00000
5.6G;D1D	11.01	18.46	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.8G;D1D	11.01	24.45	35.46	0.50	35.96	3.94457	26	0.46435	1.00000

Beamforming_Sample 2_Radio 2_Omni

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	11.01	24.34	35.35	0.50	35.85	3.84592	26	0.45273	1.00000
5.3G;D1D	11.01	18.41	29.42	0.50	29.92	0.98175	26	0.11557	1.00000
5.6G;D1D	11.01	18.45	29.46	0.50	29.96	0.99083	26	0.11664	1.00000
5.8G;D1D	11.01	24.48	35.49	0.50	35.99	3.97192	26	0.46757	1.00000

Beamforming_Sample 2_Radio 1_Panel 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	13.71	12.92	26.63	0.50	27.13	0.51642	26	0.06079	1.00000
5.3G;D1D	13.71	15.77	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.6G;D1D	13.71	15.76	29.47	0.50	29.97	0.99312	26	0.11691	1.00000
5.8G;D1D	13.71	21.77	35.48	0.50	35.98	3.96278	26	0.46649	1.00000

Beamforming_Sample 2_Radio 2_Panel 2

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	13.71	12.92	26.63	0.50	27.13	0.51642	26	0.06079	1.00000
5.3G;D1D	13.71	15.78	29.49	0.50	29.99	0.99770	26	0.11745	1.00000
5.6G;D1D	13.71	15.77	29.48	0.50	29.98	0.99541	26	0.11718	1.00000
5.8G;D1D	13.71	21.75	35.46	0.50	35.96	3.94457	26	0.46435	1.00000

**Bluetooth
Sample 1**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;BT-LE	4.99	1.24	6.23	0.50	6.73	0.00471	26	0.00055	1.00000

Sample 2_Dipole

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;BT-LE	8.00	1.22	9.22	0.50	9.72	0.00938	26	0.00110	1.00000

Sample 2_Panel 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;BT-LE	7.80	1.22	9.02	0.50	9.52	0.00895	26	0.00105	1.00000

**Thread
Sample 1**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	4.99	1.08	6.07	0.50	6.57	0.00454	26	0.00053	1.00000

Sample 2_Dipole

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	8.00	0.83	8.83	0.50	9.33	0.00857	26	0.00101	1.00000

Sample 2_Panel 1

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	7.80	0.83	8.63	0.50	9.13	0.00818	26	0.00096	1.00000

—————THE END—————