



RADIO EXPOSURE TEST REPORT

FCC ID : 2AHBN-AP27

Equipment : Wi-Fi 7 Wireless Access Point

Brand Name : Juniper

Model Name : AP27, AP27E

Applicant : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089 USA

Manufacturer : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089 USA

Standard : 47 CFR Part 2.1091

The product was received on Nov. 19, 2025, and testing was started from Nov. 19, 2025 and completed on Aug. 14, 2026. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR Part 2.1091 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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Photographs of EUT v01



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A1_1 Ver1.1



Summary of Test Result

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

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sharon Jiang

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	For Radio 2: 802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) VHT: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM) For Scanning Radio 3: 802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16QAM, 64QAM)
5GHz WLAN	5150-5250 5250-5350 5470-5725 5725-5850	5180-5250 5250-5320 5500-5720 5745-5825	For Radio 1: 802.11a/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM) For Scanning Radio 3: 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)
6GHz WLAN (For Indoor Access Point)	5925-7125	5955-7095	For Radio 0: 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM) For Scanning Radio 3: 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)
6GHz WLAN (For Standard Power Access Point)	5925-6425 6525-6875	5955-6415 6535-6855	For Radio 0: 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM) For Scanning Radio 3: 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Bluetooth	2400-2483.5	2402-2480	LE: GFSK
IEEE802.15.4	2400-2483.5	2405-2480	O-QPSK



1.2 Antenna Information

<For EUT 1>

Ant.	RF Port					Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
	2.4G/5G	6G	802.15.4	Bluetooth	GPS						
1	2	-	-	-	-	Juniper	AP27	PIFA	I-PEX	Note 1	WLAN 2.4GHz (Radio 2)
2	1	-	-	-	-	Juniper	AP27	PIFA	I-PEX		WLAN 5GHz UNII 1-3 (Radio 1)
3	-	2	1	-	-	Juniper	AP27	PIFA	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
4	-	1	-	1	-	Juniper	AP27	PIFA	I-PEX		IEEE 802.15.4 (Radio 4)
5	1	1	-	-	-	Juniper	AP27, AP27E	PIFA	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
6	-	-	-	-	1	Juniper	AP27, AP27E	PIFA	I-PEX	L1: 3.2 L5: 1.2	Bluetooth (Radio 4)
											WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
											GPS (Radio 5)

Note 1:

Ant.	Antenna Gain (dBi)									
	WLAN 2.4GHz (Radio 2)			WLAN 5GHz UNII 1-3 (Radio 1)						
	2.45GHz			5.2GHz		5.3GHz		5.6GHz		5.785GHz
1	2.07			4.39		3.95		4.78		3.77
2	3.16			3.08		3.92		4.68		4.27
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)						IEEE 802.15.4 (Radio 4)			
	6.175GHz		6.475GHz	6.695GHz		6.995GHz				
3	4.33		4.54	4.06		4.61		3.1		
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)						Bluetooth (Radio 4)			
	6.175GHz		6.475GHz	6.695GHz		6.995GHz				
4	4.03		4.46		4.39		4.53		2.5	
Ant.	Scanning radio (Radio 3)									
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz	
5	4.9	3.52	4.07	4.19	5.01	4.42	4.36	5.86	3.44	



Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
2T1S	4.26			
2T2S	3.16			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
2T1S	5.58	5.59	5.98	5.92
2T2S	4.39	3.95	4.78	4.27
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
2T1S	6.72	6.5	6.87	6.83
2T2S	4.33	4.54	4.39	4.61

Note 2: The above information (excepting Ant. 1-5 (WLAN) antenna gain and directional gain) was declared by Manufacturer.

Note 3: Radio 0-3: Maximum Directional Gain following KDB662911 D03.

For Radio 0:

6GHz (UNII 5-8) IEEE 802.11ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 1:

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 2:

2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 3(Scanning radio):

2.4GHz IEEE 802.11b/g mode (1TX/1RX)

5GHz (UNII 1-3) IEEE 802.11a mode (1TX/1RX)

6GHz (UNII 5-8) IEEE 802.11a mode (1TX/1RX)

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 4:

Bluetooth and IEEE 802.15.4 mode (1TX/1RX)

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 5:

GPS (1RX)

Only Port 1 can be used as receiving antenna.


<For EUT 2>

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1 (V)	HUBBELL & AccelTex	ATS-OP-2456-81010-4RPSP-36	Patch	RPSMA	Note 1	WLAN 2.4GHz (Radio 2)
2	2 (H)	HUBBELL & AccelTex	ATS-OP-2456-81010-4RPSP-36	Patch	RPSMA		WLAN 5GHz UNII 1-3 (Radio 1)
3	1 (V)	HUBBELL & AccelTex	ATS-OP-2456-81010-4RPSP-36	Patch	RPSMA		<External antenna>
4	2 (H)	HUBBELL & AccelTex	ATS-OP-2456-81010-4RPSP-36	Patch	RPSMA		WLAN 6GHz UNII 5-8 (Radio 0)
5	1	Juniper	AP27, AP27E	PIFA	I-PEX		<External antenna>
6	1	Juniper	AP27, AP27E	PIFA	I-PEX	2.5	WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
7	1	Juniper	AP27, AP27E	PIFA	I-PEX	3.1	<Internal antenna>
8	1	Juniper	AP27, AP27E	PIFA	I-PEX	L1: 3.2 L5: 1.2	Bluetooth (Radio 4)
							IEEE 802.15.4 (Radio 4)
							<Internal antenna>
							GPS (Radio 5)
							<Internal antenna>

Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 2)			WLAN 5GHz UNII 1-3 (Radio 1)					
	2.45GHz			5.2GHz	5.3GHz	5.6GHz	5.785GHz		
1	8			10	10	10	10		
2	8			10	10	10	10		
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
3	10		10		10		10		
4	10		10		10		10		
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
5	4.9	3.52	4.07	4.19	5.01	4.42	4.36	5.86	3.44



Ant.	Cable Loss (dB)				
	WLAN 2.4GHz (Radio 2)	WLAN 5GHz UNII 1-3 (Radio 1)			
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz
1	0.4	0.5	0.6	0.6	0.6
2	0.4	0.5	0.6	0.6	0.6
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)				
	6.175GHz	6.475GHz	6.695GHz	6.995GHz	
	0.6	0.7	0.7	0.7	
4	0.6	0.7	0.7	0.7	

Ant.	Net Gain (dBi)				
	WLAN 2.4GHz (Radio 2)	WLAN 5GHz UNII 1-3 (Radio 1)			
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz
1	7.6	9.5	9.4	9.4	9.4
2	7.6	9.5	9.4	9.4	9.4
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)				
	6.175GHz	6.475GHz	6.695GHz	6.995GHz	
	9.4	9.3	9.3	9.3	
4	9.4	9.3	9.3	9.3	

Note 2: The above information (excepting Ant. 5 antenna gain) was declared by Manufacturer.

Note 3: V indicates that the antenna is vertically polarized.

H indicates that the antenna is horizontally polarized.

Note 4: The antenna 1~4 are the cross-polarized antenna; it doesn't need to evaluate array gain

Note 5:

For Radio 0:

6GHz (UNII 5-8) IEEE 802.11ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 1:

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 2:

2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 3(Scanning radio):

2.4GHz IEEE 802.11b/g mode (1TX/1RX)

5GHz (UNII 1-3) IEEE 802.11a mode (1TX/1RX)

6GHz (UNII 5-8) IEEE 802.11a mode (1TX/1RX)

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 4:

Bluetooth and IEEE 802.15.4 mode (1TX/1RX)

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 5:

GPS (1RX)

Only Port 1 can be used as receiving antenna.

1.3 Table for Multiple Listing

EUT	Model Name	6GHz	Wi-Fi Antenna	IEEE 802.15.4 Antenna	BT Antenna	Scan Antenna	GPS Antenna
1	AP27	Support (Radio 0, 3)	Internal antenna (Radio 0~3)	the same (the only difference between two model is the cable length)	the same (the only difference between two model is the cable length)	The same	The same
2	AP27E	Support (Radio 0, 3)	external antenna (Radio 0~2) Internal antenna (Radio 3)	the same (the only difference between two model is the cable length)	the same (the only difference between two model is the cable length)	The same	The same

Note 1: All models are identical to each other in all aspects except for the listing table.

Note 2: For other radios, both EUTs were selected for testing.

For Scanning Radio 3, EUT 1 was selected as the representative model for the test.

Note 3: The above information was declared by manufacturer.

1.4 Table for Radio Function

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	IEEE 802.15.4	GPS
0	-	-	V (UNII 5~8)	-	-	-
1	-	V (UNII 1-3)	-	-	-	-
2	V	-	-	-	-	-
3 (Scanning radio)	V	V (UNII 1-3)	V (UNII 5~8)	-	-	-
4	-	-	-	V	V	-
5	-	-	-	-	-	V

Note 1: For WLAN 2.4GHz: The Radio 2 and Radio 3 (Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 1 and Radio 3 (Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 0 and Radio 3 (Scanning radio) can't operate at the same frequency simultaneously.

Note 2: The above information was declared by manufacturer.

1.5 Accessories

Accessories
Bracket*1
Antenna Bracket of External Ant. 1~4 (Used for EUT 2) / (Note)

Note: Optional, not sold with EUT



1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FA5N0636.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding the Standard Power Access Point for UNII-5, 7 2. Enable the 6GHz function of Radio 0 of EUT 2 for Standard Power Access Point. 3. Revising the EUT 2 distance to 24 cm from 20 cm.	Maximum Permissible Exposure

Note: Other test results were based on the original test report.

1.7 Testing Location

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Note: The tested sample of the Standard Power Access Point test item was received on Apr. 28, 2026.



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
3.0-30	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	<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)
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<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 20 cm (EUT 1) and 24 cm (EUT 2) 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

<EUT 1>

For Radio 0:

Indoor Access Point:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.2G;D1D	-	-	27.03	0.50	27.53	20	0.11265	1.00000	0.11265
6.4G;D1D	-	-	28.51	0.50	29.01	20	0.15839	1.00000	0.15839
6.7G;D1D	-	-	27.60	0.50	28.10	20	0.12845	1.00000	0.12845
7.0G;D1D	-	-	25.94	0.50	26.44	20	0.08765	1.00000	0.08765

Standard Power Access Point:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.2G;D1D	6.72	23.18	29.90	0.50	30.40	20	0.21814	1.00000	0.21814
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307

For Radio 1:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
5.2G;D1D	5.58	24.65	30.23	0.50	30.73	20	0.23536	1.00000	0.23536
5.3G;D1D	5.59	23.95	29.54	0.43	29.97	20	0.19757	1.00000	0.19757
5.6G;D1D	5.98	23.88	29.86	0.11	29.97	20	0.19757	1.00000	0.19757
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117

For Radio 2:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
2.4G;D1D	4.26	22.11	26.37	0.50	26.87	20	0.09677	1.00000	0.09677

**For Scanning Radio 3:**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
2.4G;G1D	4.90	19.53	24.43	0.50	24.93	20	0.06191	1.00000	0.06191
5.2G;D1D	3.52	20.17	23.69	0.50	24.19	20	0.05221	1.00000	0.05221
5.3G;D1D	4.07	20.49	24.56	0.50	25.06	20	0.06379	1.00000	0.06379
5.6G;D1D	4.19	21.09	25.28	0.50	25.78	20	0.07529	1.00000	0.07529
5.8G;D1D	5.01	20.54	25.55	0.50	26.05	20	0.08012	1.00000	0.08012
Indoor Access Point:									
6.2G;D1D	4.42	13.62	18.04	0.50	18.54	20	0.01421	1.00000	0.01421
6.4G;D1D	4.36	13.69	18.05	0.50	18.55	20	0.01425	1.00000	0.01425
6.7G;D1D	5.86	12.15	18.01	0.50	18.51	20	0.01412	1.00000	0.01412
7.0G;D1D	3.44	14.84	18.28	0.50	18.78	20	0.01502	1.00000	0.01502
Standard Power Access Point:									
6.2G;D1D	4.42	19.66	24.08	0.50	24.58	20	0.05711	1.00000	0.05711
6.7G;D1D	5.86	19.84	25.70	0.50	26.20	20	0.08293	1.00000	0.08293

For Radio 4:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	20	0.00620	1.00000	0.0062
2.4G;G1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	20	0.00870	1.00000	0.0087

**<EUT 2>****For Radio 0:****Standard Power Access Point:**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.2G;D1D	9.40	23.42	32.82	0.50	33.32	24	0.29673	1.00000	0.29673
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536

For Radio 1:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
5.2G;D1D	9.50	24.12	33.62	0.50	34.12	24	0.35675	1.00000	0.35675
5.3G;D1D	9.40	20.54	29.94	0.03	29.97	24	0.13720	1.00000	0.1372
5.6G;D1D	9.40	20.56	29.96	0.01	29.97	24	0.13720	1.00000	0.1372
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921

For Radio 2:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752

**For Scanning Radio 3:**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
2.4G;G1D	4.90	19.53	24.43	0.50	24.93	24	0.04299	1.00000	0.04299
5.2G;D1D	3.52	20.17	23.69	0.50	24.19	24	0.03625	1.00000	0.03625
5.3G;D1D	4.07	20.49	24.56	0.50	25.06	24	0.04430	1.00000	0.0443
5.6G;D1D	4.19	21.09	25.28	0.50	25.78	24	0.05228	1.00000	0.05228
5.8G;D1D	5.01	20.54	25.55	0.50	26.05	24	0.05564	1.00000	0.05564
Indoor Access Point:									
6.2G;D1D	4.42	13.62	18.04	0.50	18.54	24	0.00987	1.00000	0.00987
6.4G;D1D	4.36	13.69	18.05	0.50	18.55	24	0.00989	1.00000	0.00989
6.7G;D1D	5.86	12.15	18.01	0.50	18.51	24	0.00980	1.00000	0.0098
7.0G;D1D	3.44	14.84	18.28	0.50	18.78	24	0.01043	1.00000	0.01043
Standard Power Access Point:									
6.2G;D1D	4.42	19.66	24.08	0.50	24.58	24	0.03966	1.00000	0.03966
6.7G;D1D	5.86	19.84	25.70	0.50	26.20	24	0.05759	1.00000	0.05759

For Radio 4:

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	24	0.00431	1.00000	0.00431
2.4G;G1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	24	0.00604	1.00000	0.00604

**Simultaneous Transmission Analysis Mode:****Mode 1: EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117
2.4G;D1D	6.17	22.11	28.28	0.50	28.78	20	0.15022	1.00000	0.15022
2.4G;G1D	4.90	19.53	24.43	0.50	24.93	20	0.06191	1.00000	0.06191
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	20	0.00620	1.00000	0.0062
Sum S/Limit Ratio	0.78257								
Ratio Limit	1								

Mode 2: EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117
2.4G;D1D	6.17	22.11	28.28	0.50	28.78	20	0.15022	1.00000	0.15022
5.8G;D1D	5.01	20.54	25.55	0.50	26.05	20	0.08012	1.00000	0.08012
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	20	0.00620	1.00000	0.0062
Sum S/Limit Ratio	0.80078								
Ratio Limit	1								

Mode 3: EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117
2.4G;D1D	6.17	22.11	28.28	0.50	28.78	20	0.15022	1.00000	0.15022
6.7G;D1D	5.86	19.84	25.70	0.50	26.20	20	0.08293	1.00000	0.08293
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	20	0.00620	1.00000	0.0062
Sum S/Limit Ratio	0.80359								
Ratio Limit	1								

**Mode 4: EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: IEEE 802.15.4**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117
2.4G;D1D	6.17	22.11	28.28	0.50	28.78	20	0.15022	1.00000	0.15022
2.4G;G1D	4.90	19.53	24.43	0.50	24.93	20	0.06191	1.00000	0.06191
2.4G;D1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	20	0.00870	1.00000	0.0087
Sum S/Limit Ratio	0.78507								
Ratio Limit	1								

Mode 5: EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: IEEE 802.15.4

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117
2.4G;D1D	6.17	22.11	28.28	0.50	28.78	20	0.15022	1.00000	0.15022
5.8G;D1D	5.01	20.54	25.55	0.50	26.05	20	0.08012	1.00000	0.08012
2.4G;D1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	20	0.00870	1.00000	0.0087
Sum S/Limit Ratio	0.80328								
Ratio Limit	1								

Mode 6: EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: IEEE 802.15.4

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	6.87	23.50	30.37	0.50	30.87	20	0.24307	1.00000	0.24307
5.8G;D1D	5.92	25.66	31.58	0.50	32.08	20	0.32117	1.00000	0.32117
2.4G;D1D	6.17	22.11	28.28	0.50	28.78	20	0.15022	1.00000	0.15022
6.7G;D1D	5.86	19.84	25.70	0.50	26.20	20	0.08293	1.00000	0.08293
2.4G;D1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	20	0.00870	1.00000	0.0087
Sum S/Limit Ratio	0.80609								
Ratio Limit	1								

**Mode 7: EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752
2.4G;G1D	4.90	19.53	24.43	0.50	24.93	24	0.04299	1.00000	0.04299
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	24	0.00431	1.00000	0.00431
Sum S/Limit Ratio	0.97939								
Ratio Limit	1								

Mode 8: EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752
5.8G;D1D	5.01	20.54	25.55	0.50	26.05	24	0.05564	1.00000	0.05564
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	24	0.00431	1.00000	0.00431
Sum S/Limit Ratio	0.99204								
Ratio Limit	1								

Mode 9: EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: IEEE 802.15.4

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752
2.4G;G1D	4.90	19.53	24.43	0.50	24.93	24	0.04299	1.00000	0.04299
2.4G;D1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	24	0.00604	1.00000	0.00604
Sum S/Limit Ratio	0.98112								
Ratio Limit	1								

**Mode 10: EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: IEEE 802.15.4**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752
5.8G;D1D	5.01	20.54	25.55	0.50	26.05	24	0.05564	1.00000	0.05564
2.4G;D1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	24	0.00604	1.00000	0.00604
Sum S/Limit Ratio	0.99377								
Ratio Limit	1								

Mode 11: EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752
6.7G;D1D	5.86	19.84	25.70	0.50	26.20	24	0.05759	1.00000	0.05759
2.4G;BT-LE	2.50	11.94	14.44	0.50	14.94	24	0.00431	1.00000	0.00431
Sum S/Limit Ratio	0.99399								
Ratio Limit	1								

Mode 12: EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: IEEE 802.15.4

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio (S/Limit)
6.7G;D1D	9.30	23.92	33.22	0.50	33.72	24	0.32536	1.00000	0.32536
5.8G;D1D	9.40	25.41	34.81	0.50	35.31	24	0.46921	1.00000	0.46921
2.4G;D1D	7.60	21.88	29.48	0.50	29.98	24	0.13752	1.00000	0.13752
6.7G;D1D	5.86	19.84	25.70	0.50	26.20	24	0.05759	1.00000	0.05759
2.4G;D1D (IEEE 802.15.4)	3.10	12.81	15.91	0.50	16.41	24	0.00604	1.00000	0.00604
Sum S/Limit Ratio	0.99572								
Ratio Limit	1								

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