

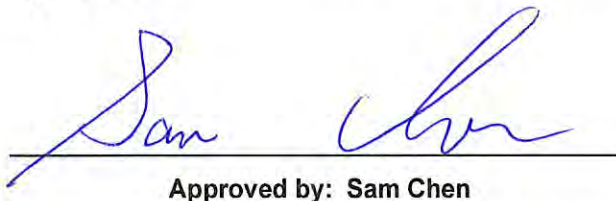


RADIO EXPOSURE TEST REPORT

FCC ID : 2AHBN-AP36
Equipment : Wi-Fi 7 Wireless Access Point
Brand Name : Juniper
Model Name : AP36, AP37, AP36M
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 Jun. 13, 2025, and testing was started from Jun. 19, 2025 and completed on Aug. 20, 2025. 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 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

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Photographs of EUT v01



History of this test report

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

Page Number : 3 of 29
Issued Date : Sep. 02, 2025
Report Version : 01



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: Sandy Chuang



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)
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/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
6GHz WLAN	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: 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Bluetooth	2400-2483.5	2402-2480	LE: GFSK
IEEE802.15.4 (Zigbee, Thread)	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
1	1	Juniper	AP36	PIFA	I-PEX	Note 1	WLAN 2.4GHz (Radio 2)
2	2	Juniper	AP36	PIFA	I-PEX		WLAN 5GHz UNII 1-3 (Radio 1)
3	3	Juniper	AP36	PIFA	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
4	4	Juniper	AP36	PIFA	I-PEX		
5	1	Juniper	AP36	Alford loop	I-PEX		
6	2	Juniper	AP36	Alford loop	I-PEX		
7	3	Juniper	AP36	Alford loop	I-PEX		WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
8	4	Juniper	AP36	Alford loop	I-PEX		
9	1	Juniper	AP36	PIFA	I-PEX		
10	1	Juniper	AP36	PIFA	I-PEX	4.3	802.15.4 (Zigbee, Thread) (Radio 4)
11	1	Juniper	AP36	PIFA	I-PEX	4.6	Bluetooth (Radio 4)
12	1	Juniper	AP36	PIFA	I-PEX	4.8	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	4.05	3.21	3.24	4.11	4.4				
2	3.39	3.48	3.74	5.48	5.39				
3	-	3.64	3.79	3.56	3.47				
4	-	4.60	4.98	3.74	4.32				
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz	6.475GHz	6.695GHz	6.995GHz					
5	3.50	4.84	4.27	4.47					
6	4.49	5.36	3.76	5.35					
7	2.59	4.25	3.36	3.65					
8	4.04	5.27	3.69	4.18					
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
9	4.05	3.36	3.45	4.41	4.2	4.22	4.16	4.78	4.89



Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
2T1S	5.38			
2T2S	4.05			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
4T1S	7.24	8.01	8.66	8.48
4T2S	4.60	5.01	5.66	5.48
4T4S	4.60	4.98	5.48	5.39
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
4T1S	8.56	9.91	8.62	9.51
4T2S	5.56	6.91	5.62	6.51
4T4S	4.49	5.36	4.27	5.35

Note 2: The above information (excepting Ant. 1-9 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 (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 1:

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 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/n/VHT/ax/be mode (1TX/1RX)

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

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

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

For Radio 4:

Bluetooth and 802.15.4(Zigbee, Thread) 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	Juniper	AP37	PIFA	I-PEX	Note 1	WLAN 2.4GHz (Radio 2) WLAN 5GHz UNII 1-3 (Radio 1)
2	2	Juniper	AP37	PIFA	I-PEX		
3	3	Juniper	AP37	PIFA	I-PEX		
4	4	Juniper	AP37	PIFA	I-PEX		
5	1	Juniper	AP37	Alford loop	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
6	2	Juniper	AP37	Alford loop	I-PEX		
7	3	Juniper	AP37	Alford loop	I-PEX		
8	4	Juniper	AP37	Alford loop	I-PEX		
9	1	Juniper	AP37	PIFA	I-PEX		WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
10	1	Juniper	AP37	PIFA	I-PEX	3.5	802.15.4 (Zigbee, Thread) (Radio 4)
11	1	Juniper	AP37	PIFA	I-PEX	Beam 1-8: 4.2 Omni: 0.7	Bluetooth array [Beam 1-8/Omni] (Radio 4)
12	1	Juniper	AP37	Patch	I-PEX	2.7	Bluetooth array [Beam 9] (Radio 4)
13	1	Juniper	AP37	PIFA	I-PEX	3.7	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	3.15			3.09	3.28	3.42	3.32		
2	2.60			3.38	3.47	3.16	3.26		
3	-			3.34	3.19	3.25	3.21		
4	-			3.72	4.2	5.4	5.36		
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
5	5.29		6.17		5.78		6.15		
6	4.86		5.02		4.43		5.11		
7	4.02		4.62		3.51		4.29		
8	5.39		5.78		5.57		5.07		
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
9	3.47	2.57	2.33	3.34	2.81	3.06	4.15	3.87	4.85

Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
2T1S	3.21			
2T2S	3.15			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
4T1S	6.69	6.64	6.89	7.69
4T2S	3.72	4.20	5.40	5.36
4T4S	3.72	4.20	5.40	5.36
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
4T1S	8.56	10.00	9.42	10.66
4T2S	5.56	7.00	6.42	7.66
4T4S	5.39	6.17	5.78	6.15

Note 2: The above information (excepting Ant. 1-9 antenna gain and directional gain) was declared by Manufacturer.

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

Note 4: The EUT is equipped with thirteen internal antennas.

The ant.11 is BLE array (Beam 1-Beam 8/Omni).

The ant.12 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.



For Radio 0:

6GHz (UNII 5-8) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 1:

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 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/n/VHT/ax/be mode (1TX/1RX)

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

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

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

For Radio 4:

Bluetooth and 802.15.4(Zigbee, Thread) 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 3>

Internal Ant.

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1	Juniper	AP36M	Dipole	I-PEX	Note 1	WLAN 2.4GHz (Radio 2) WLAN 5GHz UNII 1-3 (Radio 1)
2	2	Juniper	AP36M	Dipole	I-PEX		
3	3	Juniper	AP36M	Patch	I-PEX		
4	4	Juniper	AP36M	Patch	I-PEX		
5	1	Juniper	AP36M	Patch	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
6	2	Juniper	AP36M	Patch	I-PEX		
7	3	Juniper	AP36M	Patch	I-PEX		
8	4	Juniper	AP36M	Patch	I-PEX		
9	1	Juniper	AP36M	PIFA	I-PEX	Note 1	WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
10	1	Juniper	AP36M	Dipole	I-PEX	6.6	802.15.4 (Zigbee, Thread) (Radio 4)
11	1	Juniper	AP36M	PIFA	I-PEX	4.6	Bluetooth (Radio 4)
12	1	Juniper	AP36M	PIFA	I-PEX	4.4	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	6.52		3.62	4.13	3.78	3.75			
2	6.07		3.29	3.51	4.29	4.27			
3	-		3.61	4.41	5.67	4.86			
4	-		3.93	4.55	5.72	5.62			
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
5	5.12		5.82		3.88		5.21		
6	5.84		6.27		4.17		5.08		
7	5.57		5.74		4.23		4.99		
8	4.74		4.6		4.57		4.34		
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
9	5.12	2.84	3.5	4.28	3.75	3.74	3.42	2.95	3.57

Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
2T1S	6.52			
2T2S	6.52			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
4T1S	5.72	6.05	7.24	6.79
4T2S	3.93	4.55	5.72	5.62
4T4S	3.93	4.55	5.72	5.62
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
4T1S	8.76	9.31	8.26	8.09
4T2S	5.84	6.31	5.26	5.21
4T4S	5.84	6.27	4.57	5.21

Note 1: The above information (excepting Ant. 1-9 antenna gain and directional gain) was declared by Manufacturer.

Note 2: Radio 0-3: Maximum Directional Gain following KDB662911 D03.

Note 3: The EUT is equipped with twelve internal antennas.



External Ant.

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation	
1	1	AccelTex	ATS-OP-24 56-81010-1 0MPC-36	Patch	4-Port Samtec	Note 1	WLAN 2.4GHz (Radio 2) WLAN 5GHz UNII 1-3 (Radio 1)	
	2						6-Port Samtec	WLAN 6GHz UNII 5-8 (Radio 0)
	3							WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
	4							
	1				1			
	2							
	3							
	4							

Note 1:

Ant.	Antenna Gain (dBi)			
	WLAN 2.4GHz (Radio 2)		WLAN 5GHz UNII 1-3 (Radio 1)	
1	2.4GHz		5GHz	
	8		10	
	WLAN 6GHz UNII 5-8 (Radio 0)		Scanning radio (Radio 3)	
	6GHz		2.4GHz	5GHz
	10		8	10
				6GHz
				10

Note 2: The 6GHz function in the external antenna is not enabled at this time.

Note 3: The WiFi internal and external antennas do not operate at the same time.

Note 4: Antenna 1 is cross-polarized, with detailed information as follows:

Radio 0, 1: Vertical*2, Horizontal*2; the array gain only add 10log(2).

Radio 2: Vertical*1, Horizontal*1; it doesn't need to evaluate the array gain.

Note 5: The above information was declared by manufacturer.

Note 5: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

Cross-Polarized Antenna

Radio 2

$$G1 = 8 \text{ dBi} ; G2 = 8 \text{ dBi} ; DG = 8 \text{ dBi}$$

Radio 1

$$5G \text{ UNII-1 } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

$$5G \text{ UNII-2A } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

$$5G \text{ UNII-2C } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

$$5G \text{ UNII-3 } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$



For Radio 0:

6GHz (UNII 5-8) IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 1:

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 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/n/VHT/ax/be mode (1TX/1RX)

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

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

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

For Radio 4:

Bluetooth and 802.15.4(Zigbee, Thread) 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 (6ID)	6GHz (6SD)	Wi-Fi Antenna	802.15.4 Antenna	BT Antenna	GPS Antenna
1	AP36	Support	Support	Internal antenna (AP36/AP37 the same)	AP36/AP37 the same	AP36/AP36M the same	the same
2	AP37	Support	Support	Internal antenna (AP36/AP37 the same)	AP36/AP37 the same	Not the same	the same
3	AP36M	Internal Antenna: Support External Antenna: Not support	Internal Antenna: Support External Antenna: Support	Internal Antenna (Not the same) External Antenna	Not the same	AP36/AP36M the same	the same

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

Note 2: The WLAN 6GHz (6SD) function is not enabled at this time.

Note 3: The above information was declared by manufacturer.

Note 4: The models selected for testing are shown in the table below.

Model Radio	AP36 (EUT 1)	AP37 (EUT 2)	AP36M (EUT 3)
0 (6GHz)	N/A	Yes (Note 5)	Yes (Internal antenna)
1 (5GHz)	Yes (Note 5)	N/A	Yes (Internal&External antenna)
2 (2.4GHz)	Yes (Note 5)	N/A	Yes (Internal&External antenna)
3 (Scanning radio 2.4/5/6GHz)	Yes (Note 5)	N/A	Yes (Internal&External antenna)
4 (802.15.4 (Zigbee, Thread))	Yes (Note 5)	N/A	Yes
4 (Bluetooth)	Yes (Note 6)	Yes	N/A

Note 5: The worst case was selected from EUT 1 and EUT 2 for testing.

Note 6: The worst case was selected from EUT 1 and EUT 3 for testing.



1.4 Table for Radio Function

For EUT 1~3:

Function Radio	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	802.15.4 (Zigbee, Thread)	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 (Note)
Antenna Bracket of External Ant. 1 (Used for EUT 3) / (Note)

Note: Optional, not sold with EUT

1.6 Testing Location

Testing Location Information
Test Lab. : Sporton International Inc. Hsinchu Laboratory
Hsinchu ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787) 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.



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 24 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

<EUT 1>

For 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	7.24	28.57	35.81	0.18	35.99	3.97192	24	0.54873	1.00000
5.3G;D1D	8.01	21.91	29.92	0.05	29.97	0.99312	24	0.13720	1.00000
5.6G;D1D	8.66	21.29	29.95	0.02	29.97	0.99312	24	0.13720	1.00000
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000

For 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)
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000

For Radio 3

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	4.05	19.67	23.72	0.50	24.22	0.26424	24	0.03651	1.00000
5.2G;D1D	3.36	20.48	23.84	0.50	24.34	0.27164	24	0.03753	1.00000
5.3G;D1D	3.45	20.20	23.65	0.50	24.15	0.26002	24	0.03592	1.00000
5.6G;D1D	4.41	20.39	24.80	0.50	25.30	0.33884	24	0.04681	1.00000
5.8G;D1D	4.20	24.68	28.88	0.50	29.38	0.86696	24	0.11977	1.00000
6.2G;D1D	4.22	21.06	25.28	0.50	25.78	0.37844	24	0.05228	1.00000
6.4G;D1D	4.16	20.44	24.60	0.50	25.10	0.32359	24	0.04471	1.00000
6.7G;D1D	4.78	20.29	25.07	0.50	25.57	0.36058	24	0.04981	1.00000
7.0G;D1D	4.89	19.23	24.12	0.50	24.62	0.28973	24	0.04003	1.00000

For Radio 4

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	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000
2.4G;G1D (IEEE802.15.4)	4.30	12.70	17.00	0.50	17.50	0.05623	24	0.00777	1.00000

**<EUT 2>****For Radio 0**

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)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000
6.4G;D1D	6.17	-	27.40	0.50	27.90	0.61660	24	0.08518	1.00000
6.7G;D1D	5.78	-	26.01	0.50	26.51	0.44771	24	0.06185	1.00000
7.0G;D1D	6.15	-	23.94	0.50	24.44	0.27797	24	0.03840	1.00000

For Radio 4

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	4.20	8.77	12.97	0.50	13.47	0.02223	24	0.00307	1.00000
2.4G;G1D (IEEE802.15.4)	3.50	12.70	17.00	0.50	17.50	0.05623	24	0.00777	1.00000

<EUT 3>**Internal Ant.****For Radio 0**

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)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000
6.4G;D1D	6.27	-	26.73	0.50	27.23	0.52845	24	0.07301	1.00000
6.7G;D1D	4.57	-	26.85	0.50	27.35	0.54325	24	0.07505	1.00000
7.0G;D1D	5.21	-	23.85	0.50	24.35	0.27227	24	0.03761	1.00000

For 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	5.72	28.21	33.93	0.50	34.43	2.77332	24	0.38314	1.00000
5.3G;D1D	6.05	23.91	29.96	0.01	29.97	0.99312	24	0.13720	1.00000
5.6G;D1D	7.24	22.72	29.96	0.01	29.97	0.99312	24	0.13720	1.00000
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000

**For 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)
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000

For Radio 3

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	5.12	20.52	25.64	0.50	26.14	0.41115	24	0.05680	1.00000
5.2G;D1D	2.84	20.91	23.75	0.50	24.25	0.26607	24	0.03676	1.00000
5.3G;D1D	3.50	20.77	24.27	0.50	24.77	0.29992	24	0.04143	1.00000
5.6G;D1D	4.28	21.16	25.44	0.50	25.94	0.39264	24	0.05424	1.00000
5.8G;D1D	3.75	23.89	27.64	0.50	28.14	0.65163	24	0.09002	1.00000
6.2G;D1D	3.74	20.89	24.63	0.50	25.13	0.32584	24	0.04502	1.00000
6.4G;D1D	3.42	21.11	24.53	0.50	25.03	0.31842	24	0.04399	1.00000
6.7G;D1D	2.95	21.30	24.25	0.50	24.75	0.29854	24	0.04124	1.00000
7.0G;D1D	3.57	18.87	22.44	0.50	22.94	0.19679	24	0.02719	1.00000

For Radio 4

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	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000
2.4G;G1D (IEEE802.15.4)	6.60	11.38	17.98	0.50	18.48	0.07047	24	0.00974	1.00000

**External Ant.
For 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	13.01	22.96	35.97	0.02	35.99	3.97192	24	0.54873	1.00000
5.3G;D1D	13.01	16.95	29.96	0.01	29.97	0.99312	24	0.13720	1.00000
5.6G;D1D	13.01	16.95	29.96	0.01	29.97	0.99312	24	0.13720	1.00000
5.8G;D1D	13.01	22.96	35.97	0.02	35.99	3.97192	24	0.54873	1.00000

For 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)
2.4G;G1D	8.00	23.30	31.30	0.50	31.80	1.51356	24	0.20910	1.00000

For Radio 3

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	8.00	17.41	25.41	0.50	25.91	0.38994	24	0.05387	1.00000
5.2G;D1D	10.00	17.57	27.57	0.50	28.07	0.64121	24	0.08858	1.00000
5.3G;D1D	10.00	17.05	27.05	0.50	27.55	0.56885	24	0.07859	1.00000
5.6G;D1D	10.00	17.93	27.93	0.50	28.43	0.69663	24	0.09624	1.00000
5.8G;D1D	10.00	21.59	31.59	0.50	32.09	1.61808	24	0.22354	1.00000

**Simultaneous Transmission Analysis Mode:**

Mode 1: EUT 2: R0 WLAN 6GHz+EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 2.4GHz+R4 Bluetooth

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
2.4G;D1D	4.05	19.67	23.72	0.50	24.22	0.26424	24	0.03651	1.00000	0.03651
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.75683
									Ratio Limit	1

Mode 2: EUT 2: R0 WLAN 6GHz+EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 5GHz+R4 Bluetooth

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
5.8G;D1D	4.20	24.68	28.88	0.50	29.38	0.86696	24	0.11977	1.00000	0.11977
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.84009
									Ratio Limit	1

Mode 3: EUT 2: R0 WLAN 6GHz+EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 6GHz+R4 Bluetooth

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
6.2G;D1D	4.22	21.06	25.28	0.50	25.78	0.37844	24	0.05228	1.00000	0.05228
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.77260
									Ratio Limit	1



Mode 4: EUT 2: R0 WLAN 6GHz+R4 Bluetooth+EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 2.4GHz

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
2.4G;D1D	4.05	19.67	23.72	0.50	24.22	0.26424	24	0.03651	1.00000	0.03651
2.4G;BT-LE	4.20	8.77	12.97	0.50	13.47	0.02223	24	0.00307	1.00000	0.00307
									Sum Ratio	0.75025
									Ratio Limit	1

Mode 5: EUT 2: R0 WLAN 6GHz+R4 Bluetooth+EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 5GHz

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
5.8G;D1D	4.20	24.68	28.88	0.50	29.38	0.86696	24	0.11977	1.00000	0.11977
2.4G;BT-LE	4.20	8.77	12.97	0.50	13.47	0.02223	24	0.00307	1.00000	0.00307
									Sum Ratio	0.83351
									Ratio Limit	1

Mode 6: EUT 2: R0 WLAN 6GHz+R4 Bluetooth+EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 6GHz

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
6.2G;D1D	4.22	21.06	25.28	0.50	25.78	0.37844	24	0.05228	1.00000	0.05228
2.4G;BT-LE	4.20	8.77	12.97	0.50	13.47	0.02223	24	0.00307	1.00000	0.00307
									Sum Ratio	0.76602
									Ratio Limit	1



Mode 7: EUT 2: R0 WLAN 6GHz+EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 2.4GHz+R4 802.15.4

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
2.4G;D1D	4.05	19.67	23.72	0.50	24.22	0.26424	24	0.03651	1.00000	0.03651
2.4G;G1D (IEEE802.15.4)	4.30	12.70	17.00	0.50	17.50	0.05623	24	0.00777	1.00000	0.00777
									Sum Ratio	0.75495
									Ratio Limit	1

Mode 8: EUT 2: R0 WLAN 6GHz+EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 5GHz+R4 802.15.4

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
5.8G;D1D	4.20	24.68	28.88	0.50	29.38	0.86696	24	0.11977	1.00000	0.11977
2.4G;G1D (IEEE802.15.4)	4.30	12.70	17.00	0.50	17.50	0.05623	24	0.00777	1.00000	0.00777
									Sum Ratio	0.83821
									Ratio Limit	1

Mode 9: EUT 2: R0 WLAN 6GHz+EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 6GHz+R4 802.15.4

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)	Ratio (S/Limit)
6.2G;D1D	5.39	-	28.27	0.50	28.77	0.75336	24	0.10408	1.00000	0.10408
5.8G;D1D	8.48	27.50	35.98	0.01	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	5.38	20.34	25.72	0.50	26.22	0.41879	24	0.05786	1.00000	0.05786
6.2G;D1D	4.22	21.06	25.28	0.50	25.78	0.37844	24	0.05228	1.00000	0.05228
2.4G;G1D (IEEE802.15.4)	4.30	12.70	17.00	0.50	17.50	0.05623	24	0.00777	1.00000	0.00777
									Sum Ratio	0.77072
									Ratio Limit	1



Mode 10: EUT 3 (Internal Ant.):

R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 Bluetooth

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)	Ratio (S/Limit)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000	0.08677
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000	0.10999
2.4G;D1D	5.12	20.52	25.64	0.50	26.14	0.41115	24	0.05680	1.00000	0.05680
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.81194
									Ratio Limit	1

Mode 11: EUT 3 (Internal Ant.):

R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 5GHz+R3 WLAN5GHz+R4 Bluetooth

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)	Ratio (S/Limit)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000	0.08677
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000	0.10999
5.8G;D1D	3.75	23.89	27.64	0.50	28.14	0.65163	24	0.09002	1.00000	0.09002
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.84516
									Ratio Limit	1

Mode 12: EUT 3 (Internal Ant.):

R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 6GHz+R3 WLAN6GHz+R4 Bluetooth

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)	Ratio (S/Limit)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000	0.08677
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000	0.10999
6.2G;D1D	3.74	20.89	24.63	0.50	25.13	0.32584	24	0.04502	1.00000	0.04502
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.80016
									Ratio Limit	1



Mode 13: EUT 3 (Internal Ant.):

R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 802.15.4

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)	Ratio (S/Limit)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000	0.08677
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000	0.10999
2.4G;D1D	5.12	20.52	25.64	0.50	26.14	0.41115	24	0.05680	1.00000	0.05680
2.4G;G1D (IEEE802.15.4)	6.60	11.38	17.98	0.50	18.48	0.07047	24	0.00974	1.00000	0.00974
									Sum Ratio	0.81203
									Ratio Limit	1

Mode 14: EUT 3 (Internal Ant.):

R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN5GHz+R4 802.15.4

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)	Ratio (S/Limit)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000	0.08677
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000	0.10999
5.8G;D1D	3.75	23.89	27.64	0.50	28.14	0.65163	24	0.09002	1.00000	0.09002
2.4G;G1D (IEEE802.15.4)	6.60	11.38	17.98	0.50	18.48	0.07047	24	0.00974	1.00000	0.00974
									Sum Ratio	0.84525
									Ratio Limit	1

Mode 15: EUT 3 (Internal Ant.):

R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN6GHz+R4 802.15.4

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)	Ratio (S/Limit)
6.2G;D1D	5.84	-	27.48	0.50	27.98	0.62806	24	0.08677	1.00000	0.08677
5.8G;D1D	6.79	29.13	35.92	0.07	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;D1D	6.52	21.99	28.51	0.50	29.01	0.79616	24	0.10999	1.00000	0.10999
6.2G;D1D	3.74	20.89	24.63	0.50	25.13	0.32584	24	0.04502	1.00000	0.04502
2.4G;G1D (IEEE802.15.4)	6.60	11.38	17.98	0.50	18.48	0.07047	24	0.00974	1.00000	0.00974
									Sum Ratio	0.80025
									Ratio Limit	1



Mode 16: EUT 3 (External Ant.):

R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 Bluetooth

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)	Ratio (S/Limit)
5.8G;D1D	13.01	22.96	35.97	0.02	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;G1D	8.00	23.30	31.30	0.50	31.80	1.51356	24	0.20910	1.00000	0.20910
2.4G;G1D	8.00	17.41	25.41	0.50	25.91	0.38994	24	0.05387	1.00000	0.05387
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.82135
									Ratio Limit	1

Mode 17: EUT 3 (External Ant.):

R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN5GHz+R4 Bluetooth

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)	Ratio (S/Limit)
5.8G;D1D	13.01	22.96	35.97	0.02	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;G1D	8.00	23.30	31.30	0.50	31.80	1.51356	24	0.20910	1.00000	0.20910
5.8G;D1D	10.00	21.59	31.59	0.50	32.09	1.61808	24	0.22354	1.00000	0.22354
2.4G;BT-LE	4.60	13.34	17.94	0.50	18.44	0.06982	24	0.00965	1.00000	0.00965
									Sum Ratio	0.99102
									Ratio Limit	1

Mode 18: EUT 3 (External Ant.):

R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 802.15.4

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)	Ratio (S/Limit)
5.8G;D1D	13.01	22.96	35.97	0.02	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;G1D	8.00	23.30	31.30	0.50	31.80	1.51356	24	0.20910	1.00000	0.20910
2.4G;G1D	8.00	17.41	25.41	0.50	25.91	0.38994	24	0.05387	1.00000	0.05387
2.4G;G1D (IEEE802.15.4)	6.60	11.38	17.98	0.50	18.48	0.07047	24	0.00974	1.00000	0.00974
									Sum Ratio	0.82144
									Ratio Limit	1



Mode 19: EUT 3 (External Ant.):

R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN5GHz+R4 802.15.4

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)	Ratio (S/Limit)
5.8G;D1D	13.01	22.96	35.97	0.02	35.99	3.97192	24	0.54873	1.00000	0.54873
2.4G;G1D	8.00	23.30	31.30	0.50	31.80	1.51356	24	0.20910	1.00000	0.20910
5.8G;D1D	10.00	21.59	31.59	0.50	32.09	1.61808	24	0.22354	1.00000	0.22354
2.4G;G1D (IEEE802.15.4)	6.60	11.38	17.98	0.50	18.48	0.07047	24	0.00974	1.00000	0.00974
									Sum Ratio	0.99111
									Ratio Limit	1

Note: The above antenna gain was declared by manufacturer.

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