

Radio Exposure Evaluation Report

FCC ID : QXO-AP5022
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5022FX
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina
United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina
United States 27560
Standard : 47 CFR FCC Part 2 Subpart J, section 2.1091

The product was received on Oct. 15, 2025, and testing was started from Dec. 18, 2025 and completed on Apr. 10, 2026. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR FCC Part 2 Subpart J, section 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory
No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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Photographs of EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FA5O0964B	01	Initial issue of report	May 13, 2026



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: Ben Tseng

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 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) VHT: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 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	5180-5240 5260-5320 5500-5720 5745-5825	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) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
6GHz WLAN	5925-7125	5955-7115	802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
Bluetooth	2400-2483.5	2402-2480	LE: DSSS (GFSK)
802.15.4	2400-2483.5	2405-2480	DSSS (O-QPSK)
UWB	3.1~10.6 GHz	7987.2	BPSK + DSSS

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Radio	Remark
1	1234	Extreme Networks	AI-TP05360	MIMO-Directional Panel	SMA ST. Plug	2.4G & 5G Low & 6G High + 5G Full & 5G High + 6G Full & 6G Low	Radio 1+Radio 2 +Radio 3	-
2	1234	Extreme Networks	AI-TQ08055	Sector	RP- SMA	2.4G & 5G Low & 6G High + 5G Full & 5G High + 6G Full & 6G Low	Radio 1+Radio 2 +Radio 3	-
3	1234	Extreme Networks	AIO-HQ17020	MIMO-Directional Panel	SMA Female	5G Low & 6G High + 5G Full & 5G High + 6G Full & 6G Low	Radio 1+Radio 2 +Radio 3	-
4	1234	Extreme Networks	AIO-DQ15021-RPS MA	MIMO-Directional Panel	Reverse SMA	2.4G & 5G Low + 5G Full & 5G High	Radio 1+Radio 2	-
5	1	WNC	95XPAM15.G84	PIFA	I-Pex	6G Full & 6G Low	Radio 3	-
6	2	WNC	95XPAM15.G85	PIFA	I-Pex	6G Full & 6G Low	Radio 3	-
7	3	WNC	95XPAM15.G87	Alford loop	I-Pex	6G Full & 6G Low	Radio 3	-
8	4	WNC	95XPAM15.G88	Alford loop	I-Pex	6G Full & 6G Low	Radio 3	-
9	1	WNC	95XPAM15.G56	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
10	2	WNC	95XPAM15.G57	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
11	1	WNC	95XPAM15.G53	PIFA	I-Pex	BT+802.15.4	Radio 5	-
12	2	WNC	95XPAM15.G54	PIFA	I-Pex	BT+802.15.4	Radio 5	-
13	3	WNC	95XPAM15.GAM	Alford loop	I-Pex	BT+802.15.4	Radio 5	-
14	4	Extreme Networks	AI-TS06360	Dipole	RP-SMA	BT+802.15.4	Radio 5	-
15	1	WNC	95XPAM15.G81	PIFA	I-Pex	UWB	Radio 6	-
16	2	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
17	3	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
18	4	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-



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Ant.	POL	Port	Antenna peak gain (dBi)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant.1 Radio 1 2.4G 5G Low 6G High	-	1	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	2	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	3	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	4	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
	-	5	4.4	4.4	4.4	-	-	-	-	4.7	2.8	-	-	-
Ant.1 Radio 2 5G Full 5G High	-	1	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	2	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	3	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	4	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
	-	5	-	4.4	4.4	5.2	5	-	-	-	-	-	-	-
Ant 1 Radio 3 6G Full 6G Low	-	1	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	2	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	3	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	4	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
	-	5	-	-	-	-	-	4.7	4.7	4.7	2.8	-	-	-
Ant 2 Radio 1 2.4G 5G Low 6G High	V-POL	1	7	6	6	-	-	-	-	6	6	-	-	-
	H-POL	2	7	6	6	-	-	-	-	6	6	-	-	-
	V-POL	3	7	6	6	-	-	-	-	6	6	-	-	-
	H-POL	4	7	6	6	-	-	-	-	6	6	-	-	-
Ant 2 Radio 2 5G Full 5G High	V-POL	1	-	6	6	6	6	-	-	-	-	-	-	-
	H-POL	2	-	6	6	6	6	-	-	-	-	-	-	-
	V-POL	3	-	6	6	6	6	-	-	-	-	-	-	-
	H-POL	4	-	6	6	6	6	-	-	-	-	-	-	-
Ant 2 Radio 3 6G Full 6G Low	V-POL	1	-	-	-	-	-	6	6	6	6	-	-	-
	H-POL	2	-	-	-	-	-	6	6	6	6	-	-	-
	V-POL	3	-	-	-	-	-	6	6	6	6	-	-	-
	H-POL	4	-	-	-	-	-	6	6	6	6	-	-	-
Ant 3 Radio 1 5G Low 6G High	- 45 POL	1	-	17	17	-	-	-	-	17	17	-	-	-
	+ 45 POL	2	-	17	17	-	-	-	-	17	17	-	-	-
	+ 45 POL	3	-	17	17	-	-	-	-	17	17	-	-	-
	- 45 POL	4	-	17	17	-	-	-	-	17	17	-	-	-
Ant 3 Radio 2 5G Full 5G High	- 45 POL	1	-	17	17	17	17	-	-	-	-	-	-	-
	+ 45 POL	2	-	17	17	17	17	-	-	-	-	-	-	-
	+ 45 POL	3	-	17	17	17	17	-	-	-	-	-	-	-
	- 45 POL	4	-	17	17	17	17	-	-	-	-	-	-	-
Ant 3 Radio 3 6G Full 6G Low	- 45 POL	1	-	-	-	-	-	17	17	17	17	-	-	-
	+ 45 POL	2	-	-	-	-	-	17	17	17	17	-	-	-
	+ 45 POL	3	-	-	-	-	-	17	17	17	17	-	-	-
	- 45 POL	4	-	-	-	-	-	17	17	17	17	-	-	-



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Report No. : FA5O0964B

Ant.	POL	Port	Antenna peak gain (dBi)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant 4 Radio 1 2.4G 5G Low	V-POL	1	11.1	15	15	-	-	-	-	-	-	-	-	-
	H-POL	2	11.1	15	15	-	-	-	-	-	-	-	-	-
	V-POL	3	11.1	15	15	-	-	-	-	-	-	-	-	-
	H-POL	4	11.1	15	15	-	-	-	-	-	-	-	-	-
Ant 4 Radio 2 5G Full 5G High	V-POL	1	-	15	15	15	15	-	-	-	-	-	-	-
	H-POL	2	-	15	15	15	15	-	-	-	-	-	-	-
	V-POL	3	-	15	15	15	15	-	-	-	-	-	-	-
	H-POL	4	-	15	15	15	15	-	-	-	-	-	-	-
Ant 5	-	1	-	-	-	-	-	5.8	4.39	4.54	5.28	-	-	-
Ant 6	-	2	-	-	-	-	-	4.31	5.13	4.62	4.43	-	-	-
Ant 7	-	3	-	-	-	-	-	5.41	5.06	3.5	4.6	-	-	-
Ant 8	-	4	-	-	-	-	-	4.15	3.89	2.42	3.55	-	-	-
Ant 9	-	1	2.42	4.11	4.34	5.46	3.49	3.46	4.88	5.13	4.76	-	-	-
Ant 10	-	2	2.86	3.32	3.52	3.7	4.34	5.68	4.13	4.75	4.59	-	-	-
Ant 11	-	1	-	-	-	-	-	-	-	-	-	3.6	3.6	-
Ant 12	-	2	-	-	-	-	-	-	-	-	-	5.7	5.7	-
Ant 13	-	3	-	-	-	-	-	-	-	-	-	2.7	2.7	-
Ant 14	-	4	-	-	-	-	-	-	-	-	-	3.04	3.04	-
Ant 15	-	1	-	-	-	-	-	-	-	-	-	-	-	4.7
Ant 16	-	2	-	-	-	-	-	-	-	-	-	-	-	5.4
Ant 17	-	3	-	-	-	-	-	-	-	-	-	-	-	4.8
Ant 18	-	4	-	-	-	-	-	-	-	-	-	-	-	4.4



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Report No. : FA500964B

Ant.	POL	Port	Antenna cable loss (dB)																	
			Main PCB to External Antenna Connector Loss					Radio 1: Main PCB to External Antenna Connector Loss Radio 3: Main PCB to Switch Board Loss				Radio 3: Switch Board to External Antenna Connector Loss				Antenna 3 Cable Loss		Main PCB to External Antenna Connector Loss		UWB
2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	UNII-5	UNII-6	UNII-7	UNII-8	5G Ant.	6G Ant.	BT	802.15.4	UWB			
Ant.1 Radio 1 2.4G 5G Low 6G High	-	1	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	-	2	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	-	3	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	-	4	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	-	5	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
Ant.1 Radio 2 5G Full 5G High	-	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	5	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 1 Radio 3 6G Full 6G Low	-	1	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	-	2	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	-	3	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	-	4	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	-	5	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
Ant 2 Radio 1 2.4G 5G Low 6G High	V-POL	1	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	H-POL	2	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	V-POL	3	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
	H-POL	4	1.38	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	-	-	-	-	-
Ant 2 Radio 2 5G Full 5G High	V-POL	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	H-POL	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	V-POL	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	H-POL	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 2 Radio 3 6G Full 6G Low	V-POL	1	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	H-POL	2	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	V-POL	3	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
	H-POL	4	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	-	-	-	-
Ant 3 Radio 1 5G Low 6G High	- 45 POL	1	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	-
	+ 45 POL	2	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	-
	+ 45 POL	3	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	-
	- 45 POL	4	-	1.86	1.86	-	-	-	-	2.18	2.18	-	-	-	-	0.75	0.84	-	-	-
Ant 3 Radio 2 5G Full 5G High	- 45 POL	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	-
	+ 45 POL	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	-
	+ 45 POL	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	-
	- 45 POL	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	0.75	-	-	-	-
Ant 3 Radio 3 6G Full 6G Low	- 45 POL	1	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-
	+ 45 POL	2	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-
	+ 45 POL	3	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-
	- 45 POL	4	-	-	-	-	-	2.73	2.73	2.73	2.73	1.86	1.86	1.86	1.86	-	0.84	-	-	-



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			Main PCB to External Antenna Connector Loss					Radio 1: Main PCB to External Antenna Connector Loss Radio 3: Main PCB to Switch Board Loss				Radio 3: Switch Board to External Antenna Connector Loss				Antenna 3 Cable Loss		Main PCB to External Antenna Connector Loss		UWB
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	UNII-5	UNII-6	UNII-7	UNII-8	5G Ant.	6G Ant.	BT	802.15.4	UWB
Ant 4 Radio 1 2.4G 5G Low	V-POL	1	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H-POL	2	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	V-POL	3	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H-POL	4	1.38	1.86	1.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 4 Radio 2 5G Full 5G High	V-POL	1	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	H-POL	2	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	V-POL	3	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
	H-POL	4	-	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 5	-	1	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	-
Ant 6	-	2	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	-
Ant 7	-	3	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	-
Ant 8	-	4	-	-	-	-	-	2.73	2.73	2.73	2.73	-	-	-	-	-	-	-	-	-
Ant 9	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 10	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 12	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 13	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 14	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	1.09	-
Ant 15	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 16	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 17	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant 18	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Radio Exposure Evaluation Report

Report No. : FA500964B

Ant.	POL	Port	Antenna Net Gain (dB)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant.1 Radio 1 2.4G 5G Low 6G High	-	1	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	2	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	3	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	4	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
	-	5	3.02	2.54	2.54	-	-	-	-	2.52	0.62	-	-	-
Ant.1 Radio 2 5G Full 5G High	-	1	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	2	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	3	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	4	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
	-	5	-	2.15	2.15	2.95	2.75	-	-	-	-	-	-	-
Ant 1 Radio 3 6G Full 6G Low	-	1	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	2	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	3	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	4	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
	-	5	-	-	-	-	-	0.11	0.11	0.11	-1.79	-	-	-
Ant 2 Radio 1 2.4G 5G Low 6G High	V-POL	1	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
	H-POL	2	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
	V-POL	3	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
	H-POL	4	5.62	4.14	4.14	-	-	-	-	3.82	3.82	-	-	-
Ant 2 Radio 2 5G Full 5G High	V-POL	1	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
	H-POL	2	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
	V-POL	3	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
	H-POL	4	-	3.75	3.75	3.75	3.75	-	-	-	-	-	-	-
Ant 2 Radio 3 6G Full 6G Low	V-POL	1	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
	H-POL	2	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
	V-POL	3	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
	H-POL	4	-	-	-	-	-	1.41	1.41	1.41	1.41	-	-	-
Ant 3 Radio 1 5G Low 6G High	- 45 POL	1	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
	+ 45 POL	2	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
	+ 45 POL	3	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
	- 45 POL	4	-	14.39	14.39	-	-	-	-	13.98	13.98	-	-	-
Ant 3 Radio 2 5G Full 5G High	- 45 POL	1	-	14	14	14	14	-	-	-	-	-	-	-
	+ 45 POL	2	-	14	14	14	14	-	-	-	-	-	-	-
	+ 45 POL	3	-	14	14	14	14	-	-	-	-	-	-	-
	- 45 POL	4	-	14	14	14	14	-	-	-	-	-	-	-
Ant 3 Radio 3 6G Full 6G Low	- 45 POL	1	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-
	+ 45 POL	2	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-
	+ 45 POL	3	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-
	- 45 POL	4	-	-	-	-	-	11.57	11.57	11.57	11.57	-	-	-



Ant.	POL	Port	Antenna Net Gain (dB)											
			2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
Ant 4 Radio 1 2.4G 5G Low	V-POL	1	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
	H-POL	2	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
	V-POL	3	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
	H-POL	4	9.72	13.14	13.14	-	-	-	-	-	-	-	-	-
Ant 4 Radio 2 5G Full 5G High	V-POL	1	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
	H-POL	2	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
	V-POL	3	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
	H-POL	4	-	12.75	12.75	12.75	12.75	-	-	-	-	-	-	-
Ant 5	-	1	-	-	-	-	-	3.07	1.66	1.81	2.55	-	-	-
Ant 6	-	2	-	-	-	-	-	1.58	2.4	1.89	1.7	-	-	-
Ant 7	-	3	-	-	-	-	-	2.68	2.33	0.77	1.87	-	-	-
Ant 8	-	4	-	-	-	-	-	1.42	1.16	-0.31	0.82	-	-	-
Ant 9	-	1	2.42	4.11	4.34	5.46	3.49	3.46	4.88	5.13	4.76	-	-	-
Ant 10	-	2	2.86	3.32	3.52	3.7	4.34	5.68	4.13	4.75	4.59	-	-	-
Ant 11	-	1	-	-	-	-	-	-	-	-	-	3.6	3.6	-
Ant 12	-	2	-	-	-	-	-	-	-	-	-	5.7	5.7	-
Ant 13	-	3	-	-	-	-	-	-	-	-	-	2.7	2.7	-
Ant 14	-	4	-	-	-	-	-	-	-	-	-	1.95	1.95	-
Ant 15	-	1	-	-	-	-	-	-	-	-	-	-	-	4.7
Ant 16	-	2	-	-	-	-	-	-	-	-	-	-	-	5.4
Ant 17	-	3	-	-	-	-	-	-	-	-	-	-	-	4.8
Ant 18	-	4	-	-	-	-	-	-	-	-	-	-	-	4.4

Ant.		Composite Gain (dBi) for 4TX									
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
Ant 5~8 Radio 3 6G Full 6G Low	DG [1SS]	-	-	-	-	-	6.11	5.89	4.62	5.39	
	DG [4SS]	-	-	-	-	-	5.8	5.13	4.62	5.28	

Ant.		Composite Gain (dBi) for 2TX									
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
Ant 5~8 Radio 3 6G Full 6G Low	DG [1SS]	-	-	-	-	-	6.33	6.5	5.7	5.91	
	DG [2SS]	-	-	-	-	-	5.8	5.13	4.62	5.28	
Ant 9~10 Radio 4 Scan	DG [1SS]	4.23	5.88	6.57	7.04	5.34	5.85	4.88	5.32	4.76	
	DG [2SS]	2.86	4.11	4.34	5.46	4.34	5.68	4.88	5.13	4.76	



Note 1: The EUT has eighteen antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v02 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP5O0964B. (Ant 5~10)

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/4RX) (Radio 1)

Ant. 1 or Ant. 2 or Ant.4 could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/4RX) (Radio 1)

Ant. 1 or Ant. 2 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (4TX/4RX) (Radio 1)

Ant. 1 or Ant. 2 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 9~10 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 1_Low Band)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 1_Low Band)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 1_Low Band)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 2)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 2)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1 or Ant. 2 or Ant.3 or Ant.4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 9~10 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 1_High Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 1_High Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 1_High Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3_Low Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive.

Ant. 5 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3_Low Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3_Low Band)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive.

Ant. 5 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3)

Ant. 1 or Ant. 2 or Ant.3 could transmit/receive simultaneously.

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Scan Radio)

Ant. 9~10 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 11 or Ant.12 or Ant 13 or Ant 14 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 11 or Ant.12 or Ant 13 or Ant 14 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For UWB function(2TX/4RX):

Ant. 15 and Ant 17 could transmit.

Ant. 15~18 could receive.

Note 3: Directional gain information (Ant 1~4)

	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 $N_{ANT} \leq 4$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.1.3 Accessories

Accessories				
Bracket	Brand Name	Extreme	Model Name	AH-ACC-BKT-TB

Reminder: Regarding to more detail and other information, please refer to user manual.

1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 2 Subpart J, section 2.1091
- ♦ KDB 447498 D04 Interim General RF Exposure Guidance v01

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ 47 CFR Part 1.1307
- ♦ 47 CFR Part 1.1310

1.3 Testing Location

Test Lab. : Sporton International Inc. Hsinhua Laboratory			
☒	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)	
		TEL: 886-3-327-3456	FAX: 886-3-327-0973
Test site Designation No. TW3785 with FCC.			
☐	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)	
		TEL: 886-3-318-0787	FAX: 886-3-318-0287
Test site Designation No. TW0008 with FCC.			

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

**Multiple Transmitters Condition**

Co-location as simultaneously transmitting (co-transmitting) and the evaluation shall be consider that simultaneous transmissions from co-located devices the individual transmitters are evaluated separately. After sum of the individual value (basic restriction / reference level) are measured/calculated also have to under basic restriction / reference level.

Co-transmitting mode:

- | | |
|----|--|
| 1 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+UWB |
| 2 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+BT+UWB |
| 3 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+BT+UWB |
| 4 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+UWB |
| 5 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+UWB |
| 6 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+UWB |
| 7 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+UWB |
| 8 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+BT+UWB |
| 9 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+BT+UWB |
| 10 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+UWB |
| 11 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+UWB |
| 12 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+UWB |
| 13 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+BT+UWB |
| 14 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+BT+UWB |
| 15 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+BT+UWB |
| 16 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+802.15.4+UWB |
| 17 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+802.15.4+UWB |
| 18 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+802.15.4+UWB |

2.2 RF Exposure Exempt Measurement

Option	Refer Std.	Exemption Exposure Thresholds (TL)
A	§1.1307(b)(3)(i)(A)	Available maximum time-averaged power is no more than 1 mW
B	§1.1307(b)(3)(i)(B)	$P_{th}(mW) = \begin{cases} ERP_{20cm} (d / 20cm)^x \rightarrow d \leq 20cm \\ ERP_{20cm} \rightarrow 20cm < d \leq 40cm \end{cases}$ $x = -\log_{10} \left(\frac{60}{ERP_{20cm} \sqrt{f}} \right) \text{ and } f \text{ is in GHz}$ $\begin{cases} ERP_{20cm} : 0.3GHz \leq f < 1.5GHz \rightarrow 2040 f(mW) \\ ERP_{20cm} : 1.5GHz \leq f \leq 6GHz \rightarrow 3060(mW) \end{cases}$
C	§1.1307(b)(3)(i)(C)	$\begin{cases} 0.3 \sim 1.34MHz \rightarrow ERP(W) = 1920 R^2 \\ 1.34 \sim 30MHz \rightarrow ERP(W) = 3450 R^2 / f^2 \\ 30 \sim 300MHz \rightarrow ERP(W) = 3.83R^2 \\ 300 \sim 1500MHz \rightarrow ERP(W) = 0.0128 R^2 f \\ 1500 \sim 100000MHz \rightarrow ERP(W) = 19.2R^2 \end{cases}$ $f \text{ is in MHz; } R \text{ is in m; } R > \lambda / 2\pi$

2.3 Multiple RF Sources Exposure

Refer Std.	Exemption Exposure Thresholds (TL)
§1.1307(b)(3)(ii)(A)	The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required)
§1.1307(b)(3)(ii)(B)	$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k} \leq 1$ a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph §1.1307(b)(3)(i)(B) of this section for P , including existing exempt transmitters and those being added. b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph §1.1307(b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added. c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters. P_i = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive). $P_{th,i}$ = the exemption threshold power (P_{th}) according to paragraph §1.1307(b)(3)(i)(B) of this section for fixed, mobile, or portable RF source i. ERP_j = the ERP of fixed, mobile, or portable RF source j. $ERP_{th,j}$ = exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least $\lambda/2\pi$ according to the applicable formula of paragraph §1.1307(b)(3)(i)(C) of this section. $Evaluated_k$ = the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure. $Evaluated Limit_k$ = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source k, as applicable from § 1.1310 of this chapter.



2.4 MPE Calculation Method

The MPE was calculated at 72 cm to show compliance with the power density limit.
The following formula was used to calculate the Power Density:

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

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

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

2.5 Calculated Result and Limit

Exposure Environment: General Population / Uncontrolled Exposure

2.4GHz WLAN < AI-TP05360 >

Non-Beamforming_Radio 1_1T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.02	20.23	21.10	0.50	144.544	72	C	9953.3	0.0145
2.4G;D1D	3.02	20.18	21.05	0.50	142.889	72	C	9953.3	0.0144

Non-Beamforming_Radio 1_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.02	22.80	23.67	0.50	261.216	72	C	9953.3	0.0263
2.4G;D1D	3.02	23.25	24.12	0.50	289.734	72	C	9953.3	0.0291

Non-Beamforming_Radio 1_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	3.02	23.00	23.87	0.50	273.527	72	C	9953.3	0.0275

Non-Beamforming_Radio 1_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.02	26.02	26.89	0.50	548.277	72	C	9953.3	0.0551
2.4G;D1D	3.02	25.53	26.40	0.50	489.779	72	C	9953.3	0.0492

Non-Beamforming_Radio 1_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	3.02	25.15	26.02	0.50	448.745	72	C	9953.3	0.0451

**2.4GHz WLAN < AI-TQ08055 >
Non-Beamforming_Radio 1_1T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	5.62	20.20	23.67	0.50	261.216	72	C	9953.3	0.0263
2.4G;D1D	5.62	19.51	22.98	0.50	222.844	72	C	9953.3	0.0224

Non-Beamforming_Radio 1_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	5.62	23.00	26.47	0.50	497.737	72	C	9953.3	0.0500
2.4G;D1D	5.62	22.86	26.33	0.50	481.948	72	C	9953.3	0.0484

Non-Beamforming_Radio 1_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	5.62	21.90	25.37	0.50	386.367	72	C	9953.3	0.0388

Non-Beamforming_Radio 1_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	5.62	25.99	29.46	0.50	990.832	72	C	9953.3	0.0996
2.4G;D1D	5.62	24.03	27.50	0.50	630.957	72	C	9953.3	0.0634

Non-Beamforming_Radio 1_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	5.62	24.16	27.63	0.50	650.130	72	C	9953.3	0.0653

**2.4GHz WLAN < AIO-DQ15021-RPSMA >****Non-Beamforming_Radio 1_1T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	20.63	28.20	0.50	741.310	72	C	9953.3	0.0745
2.4G;D1D	9.72	19.31	26.88	0.50	547.016	72	C	9953.3	0.0550

Non-Beamforming_Radio 1_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	23.63	31.20	0.50	1479.108	72	C	9953.3	0.1487
2.4G;D1D	9.72	21.52	29.09	0.50	909.913	72	C	9953.3	0.0915

Non-Beamforming_Radio 1_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	9.72	20.39	27.96	0.50	701.455	72	C	9953.3	0.0705

Non-Beamforming_Radio 1_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;D1D	9.72	23.04	30.61	0.50	1291.219	72	C	9953.3	0.1298

Non-Beamforming_Radio 1_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	9.72	23.34	30.91	0.50	1383.566	72	C	9953.3	0.1391

2.4GHz WLAN**Non-Beamforming_Scan Radio_2T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;D1D	2.86	22.91	23.62	0.50	258.226	72	C	9953.3	0.0260

Non-Beamforming_Scan Radio_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	2.86	22.70	23.41	0.50	246.037	72	C	9953.3	0.0247

**5GHz WLAN < AI-TP05360 >****Non-Beamforming_Radio 1_Full RU_1T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.54	19.79	20.18	0.50	116.950	72	C	9953.3	0.0118
5.3G;D1D	2.54	19.54	19.93	0.50	110.408	72	C	9953.3	0.0111

Non-Beamforming_Radio 1_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.54	22.83	23.22	0.50	235.505	72	C	9953.3	0.0237
5.3G;D1D	2.54	22.14	22.53	0.50	200.909	72	C	9953.3	0.0202

Non-Beamforming_Radio 1_Full RU_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.54	22.66	23.05	0.50	226.464	72	C	9953.3	0.0228
5.3G;D1D	2.54	22.02	22.41	0.50	195.434	72	C	9953.3	0.0196

Non-Beamforming_Radio 1_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.54	25.61	26.00	0.50	446.684	72	C	9953.3	0.0449
5.3G;D1D	2.54	23.34	23.73	0.50	264.850	72	C	9953.3	0.0266

Non-Beamforming_Radio 1_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.54	25.62	26.01	0.50	447.713	72	C	9953.3	0.0450
5.3G;D1D	2.54	23.42	23.81	0.50	269.774	72	C	9953.3	0.0271

Non-Beamforming_Radio 2_Full RU_1T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.15	19.56	19.56	0.50	101.391	72	C	9953.3	0.0102
5.3G;D1D	2.15	19.09	19.09	0.50	90.991	72	C	9953.3	0.0091
5.6G;D1D	2.95	19.11	19.91	0.50	109.901	72	C	9953.3	0.0110
5.8G;D1D	2.75	20.17	20.77	0.50	133.968	72	C	9953.3	0.0135

Non-Beamforming_Radio 2_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.15	22.62	22.62	0.50	205.116	72	C	9953.3	0.0206
5.3G;D1D	2.15	21.56	21.56	0.50	160.694	72	C	9953.3	0.0162
5.6G;D1D	2.95	22.04	22.84	0.50	215.774	72	C	9953.3	0.0217
5.8G;D1D	2.75	22.82	23.42	0.50	246.604	72	C	9953.3	0.0248

**Non-Beamforming_Radio 2_Full RU_2T2S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.15	22.13	22.13	0.50	183.231	72	C	9953.3	0.0184
5.3G;D1D	2.15	21.50	21.50	0.50	158.489	72	C	9953.3	0.0159
5.6G;D1D	2.95	21.73	22.53	0.50	200.909	72	C	9953.3	0.0202
5.8G;D1D	2.75	23.00	23.60	0.50	257.040	72	C	9953.3	0.0258

Non-Beamforming_Radio 2_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.15	25.37	25.37	0.50	386.367	72	C	9953.3	0.0388
5.3G;D1D	2.15	23.20	23.20	0.50	234.423	72	C	9953.3	0.0236
5.6G;D1D	2.95	23.65	24.45	0.50	312.608	72	C	9953.3	0.0314
5.8G;D1D	2.75	25.62	26.22	0.50	469.894	72	C	9953.3	0.0472

Non-Beamforming_Radio 2_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	2.15	24.49	24.49	0.50	315.500	72	C	9953.3	0.0317
5.3G;D1D	2.15	23.44	23.44	0.50	247.742	72	C	9953.3	0.0249
5.6G;D1D	2.95	23.76	24.56	0.50	320.627	72	C	9953.3	0.0322
5.8G;D1D	2.75	25.57	26.17	0.50	464.515	72	C	9953.3	0.0467

**5GHz WLAN < AI-TQ08055 >****Non-Beamforming_Radio 1_Full RU_1T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.14	19.79	21.78	0.50	169.044	72	C	9953.3	0.0170
5.3G;D1D	4.14	19.54	21.53	0.50	159.588	72	C	9953.3	0.0160

Non-Beamforming_Radio 1_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.14	22.83	24.82	0.50	340.408	72	C	9953.3	0.0342
5.3G;D1D	4.14	22.14	24.13	0.50	290.402	72	C	9953.3	0.0292

Non-Beamforming_Radio 1_Full RU_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.14	22.66	24.65	0.50	327.341	72	C	9953.3	0.0329
5.3G;D1D	4.14	22.02	24.01	0.50	282.488	72	C	9953.3	0.0284

Non-Beamforming_Radio 1_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.14	25.61	27.60	0.50	645.654	72	C	9953.3	0.0649
5.3G;D1D	4.14	23.59	25.58	0.50	405.509	72	C	9953.3	0.0408

Non-Beamforming_Radio 1_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.14	25.62	27.61	0.50	647.143	72	C	9953.3	0.0650
5.3G;D1D	4.14	23.93	25.92	0.50	438.531	72	C	9953.3	0.0441

Non-Beamforming_Radio 2_Full RU_1T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	3.75	19.56	21.16	0.50	146.555	72	C	9953.3	0.0147
5.3G;D1D	3.75	18.71	20.31	0.50	120.504	72	C	9953.3	0.0121
5.6G;D1D	3.75	19.11	20.71	0.50	132.130	72	C	9953.3	0.0133
5.8G;D1D	3.75	20.17	21.77	0.50	168.655	72	C	9953.3	0.0170

Non-Beamforming_Radio 2_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	3.75	22.90	24.50	0.50	316.228	72	C	9953.3	0.0318
5.3G;D1D	3.75	21.84	23.44	0.50	247.742	72	C	9953.3	0.0249
5.6G;D1D	3.75	22.04	23.64	0.50	259.418	72	C	9953.3	0.0261
5.8G;D1D	3.75	22.82	24.42	0.50	310.456	72	C	9953.3	0.0312

**Non-Beamforming_Radio 2_Full RU_2T2S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	3.75	22.13	23.73	0.50	264.850	72	C	9953.3	0.0266
5.3G;D1D	3.75	22.21	23.81	0.50	269.774	72	C	9953.3	0.0271
5.6G;D1D	3.75	22.29	23.89	0.50	274.789	72	C	9953.3	0.0276
5.8G;D1D	3.75	23.00	24.60	0.50	323.594	72	C	9953.3	0.0325

Non-Beamforming_Radio 2_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	3.75	25.13	26.73	0.50	528.445	72	C	9953.3	0.0531
5.3G;D1D	3.75	23.91	25.51	0.50	399.025	72	C	9953.3	0.0401
5.6G;D1D	3.75	23.77	25.37	0.50	386.367	72	C	9953.3	0.0388
5.8G;D1D	3.75	25.62	27.22	0.50	591.562	72	C	9953.3	0.0595

Non-Beamforming_Radio 2_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	3.75	24.49	26.09	0.50	456.037	72	C	9953.3	0.0458
5.3G;D1D	3.75	23.88	25.48	0.50	396.278	72	C	9953.3	0.0398
5.6G;D1D	3.75	23.94	25.54	0.50	401.791	72	C	9953.3	0.0404
5.8G;D1D	3.75	25.70	27.30	0.50	602.560	72	C	9953.3	0.0606

**5GHz WLAN < AIO-HQ17020 >****Non-Beamforming_Radio 1_Full RU_1T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	19.97	32.21	0.50	1866.380	72	C	9953.3	0.1876
5.3G;D1D	14.39	14.95	27.19	0.50	587.489	72	C	9953.3	0.0590

Non-Beamforming_Radio 1_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.3G;D1D	14.39	14.95	27.19	0.50	587.489	72	C	9953.3	0.0590

Non-Beamforming_Radio 1_Full RU_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.3G;D1D	14.39	15.07	27.31	0.50	603.949	72	C	9953.3	0.0607

Non-Beamforming_Radio 1_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	19.27	31.51	0.50	1588.547	72	C	9953.3	0.1597
5.3G;D1D	14.39	14.98	27.22	0.50	591.562	72	C	9953.3	0.0595

Non-Beamforming_Radio 1_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	20.82	33.06	0.50	2269.865	72	C	9953.3	0.2281
5.3G;D1D	14.39	15.07	27.31	0.50	603.949	72	C	9953.3	0.0607

Non-Beamforming_Radio 2_Full RU_1T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.00	18.84	30.69	0.50	1315.225	72	C	9953.3	0.1322
5.3G;D1D	14.00	15.43	27.28	0.50	599.791	72	C	9953.3	0.0603
5.6G;D1D	14.00	15.46	27.31	0.50	603.949	72	C	9953.3	0.0607
5.8G;D1D	14.00	19.56	31.41	0.50	1552.387	72	C	9953.3	0.1560

Non-Beamforming_Radio 2_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.00	21.29	33.14	0.50	2312.065	72	C	9953.3	0.2324
5.3G;D1D	14.00	15.44	27.29	0.50	601.174	72	C	9953.3	0.0604
5.6G;D1D	14.00	15.46	27.31	0.50	603.949	72	C	9953.3	0.0607
5.8G;D1D	14.00	21.40	33.25	0.50	2371.374	72	C	9953.3	0.2383

**Non-Beamforming_Radio 2_Full RU_2T2S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.00	20.99	32.84	0.50	2157.744	72	C	9953.3	0.2169
5.3G;D1D	14.00	15.46	27.31	0.50	603.949	72	C	9953.3	0.0607
5.6G;D1D	14.00	15.46	27.31	0.50	603.949	72	C	9953.3	0.0607
5.8G;D1D	14.00	21.42	33.27	0.50	2382.319	72	C	9953.3	0.2394

Non-Beamforming_Radio 2_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.00	20.87	32.72	0.50	2098.940	72	C	9953.3	0.2110
5.3G;D1D	14.00	15.36	27.21	0.50	590.201	72	C	9953.3	0.0593
5.6G;D1D	14.00	15.46	27.31	0.50	603.949	72	C	9953.3	0.0607
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428

Non-Beamforming_Radio 2_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.00	21.46	33.31	0.50	2404.363	72	C	9953.3	0.2417
5.3G;D1D	14.00	15.39	27.24	0.50	594.292	72	C	9953.3	0.0597
5.6G;D1D	14.00	15.47	27.32	0.50	605.341	72	C	9953.3	0.0608
5.8G;D1D	14.00	21.47	33.32	0.50	2409.905	72	C	9953.3	0.2422

5GHz WLAN**Non-Beamforming_Scan Radio_2T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.11	24.47	26.43	0.50	493.174	72	C	9953.3	0.0496
5.3G;D1D	4.34	23.88	26.07	0.50	453.942	72	C	9953.3	0.0456
5.6G;D1D	5.46	23.86	27.17	0.50	584.790	72	C	9953.3	0.0588
5.8G;D1D	4.34	24.83	27.02	0.50	564.937	72	C	9953.3	0.0568

Non-Beamforming_Scan Radio_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.11	24.38	26.34	0.50	483.059	72	C	9953.3	0.0486
5.3G;D1D	4.34	23.94	26.13	0.50	460.257	72	C	9953.3	0.0463
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
5.8G;D1D	4.34	24.79	26.98	0.50	559.758	72	C	9953.3	0.0563

**6GHz WLAN_6ID****Non-Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267

Non-Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267
6.7G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267

Non-Beamforming_Scan Radio

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267
6.4G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267
6.7G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267
7.0G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267

6GHz WLAN_6SD**Non-Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433

Non-Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433

Non-Beamforming_Scan Radio

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433

**Bluetooth < 95XPAM15.G54 >**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016

Bluetooth < AI-TS06360 >

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;BT-LE	1.95	7.70	7.50	0.50	6.310	72	C	9953.3	0.0006

802.15.4 < 95XPAM15.G54 >

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050

802.15.4 < AI-TS06360 >

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;	1.95	12.55	12.35	0.50	19.275	72	C	9953.3	0.0019

UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
Ultra Wide Band;F1D	-	-	-21.87	0.50	0.007	72	C	9953.3	0.0000
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0000

**2.4GHz WLAN < AI-TP05360 >****Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	9.04	24.59	31.48	0.50	1577.611	72	C	9953.3	0.1586

2.4GHz WLAN < AI-TQ08055 >**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	8.63	23.68	30.16	0.50	1164.126	72	C	9953.3	0.1170

2.4GHz WLAN < AIO-DQ15021-RPSMA >**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	12.73	22.74	33.32	0.50	2409.905	72	C	9953.3	0.2422

5GHz WLAN < AI-TP05360 >**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	8.56	25.56	31.97	0.50	1766.038	72	C	9953.3	0.1775
5.3G;D1D	8.56	20.88	27.29	0.50	601.174	72	C	9953.3	0.0604

Beamforming_Radio 2

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	8.17	23.87	29.89	0.50	1093.956	72	C	9953.3	0.1099
5.3G;D1D	8.17	21.28	27.30	0.50	602.560	72	C	9953.3	0.0606
5.6G;D1D	8.97	20.47	27.29	0.50	601.174	72	C	9953.3	0.0604
5.8G;D1D	8.77	25.62	32.24	0.50	1879.317	72	C	9953.3	0.1889

5GHz WLAN < AI-TQ08055 >**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	7.15	25.56	30.56	0.50	1276.439	72	C	9953.3	0.1283
5.3G;D1D	7.15	22.31	27.31	0.50	603.949	72	C	9953.3	0.0607

Beamforming_Radio 2

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.76	24.93	29.54	0.50	1009.253	72	C	9953.3	0.1014
5.3G;D1D	6.76	22.63	27.24	0.50	594.292	72	C	9953.3	0.0597
5.6G;D1D	6.76	22.65	27.26	0.50	597.035	72	C	9953.3	0.0600
5.8G;D1D	6.76	25.62	30.23	0.50	1183.042	72	C	9953.3	0.1189

**5GHz WLAN < AIO-HQ17020 >****Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	17.40	17.98	33.23	0.50	2360.478	72	C	9953.3	0.2372
5.3G;D1D	17.40	11.89	27.14	0.50	580.764	72	C	9953.3	0.0584

Beamforming_Radio 2

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	17.01	18.42	33.28	0.50	2387.811	72	C	9953.3	0.2400
5.3G;D1D	17.01	12.45	27.31	0.50	603.949	72	C	9953.3	0.0607
5.6G;D1D	17.01	12.45	27.31	0.50	603.949	72	C	9953.3	0.0607
5.8G;D1D	17.01	18.37	33.23	0.50	2360.478	72	C	9953.3	0.2372

6GHz WLAN_6ID**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267

Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267
6.7G;D1D	-	-	27.34	0.50	608.135	72	C	4800.0	0.1267

6GHz WLAN_6SD**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433

Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433

Note 1: Option A, B and C refer as clause 2.2

Note 2: For option B, Pth(mW) convert to TL ERP(mW); For option C, ERP(W) convert to TL ERP(mW)

Note 3: TL Ratio=Tune-up ERP(mW)/TL ERP(mW)

Simultaneous Transmission Analysis Mode:
1. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7673								
Ratio Limit	1								

2. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7910								
Ratio Limit	1								

3. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.9744								
Ratio Limit	1								

4. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7707								
Ratio Limit	1								

**5. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+UWB**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7944								
Ratio Limit	1								

6. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.72	25.77	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.9778								
Ratio Limit	1								

7. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7645								
Ratio Limit	1								

8. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7882								
Ratio Limit	1								

**9. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+BT+UWB**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.9716								
Ratio Limit	1								

10. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7679								
Ratio Limit	1								

11. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7916								
Ratio Limit	1								

12. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	14.39	21.05	33.29	0.50	2393.316	72	C	9953.3	0.2405
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.9750								
Ratio Limit	1								

**13. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+BT+UWB**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7673								
Ratio Limit	1								

14. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7910								
Ratio Limit	1								

15. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;BT-LE	5.70	7.90	11.45	0.50	15.668	72	C	9953.3	0.0016
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.9744								
Ratio Limit	1								

16. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D		--	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;G1D	2.86	24.36	25.07	0.50	360.579	72	C	9953.3	0.0362
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7707								
Ratio Limit	1								



17. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.6G;D1D	5.46	23.94	27.25	0.50	595.662	72	C	9953.3	0.0599
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.7944								
Ratio Limit	1								

18. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
5.8G;D1D	14.00	21.48	33.33	0.50	2415.461	72	C	9953.3	0.2428
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
6.2G;D1D	-	-	33.34	0.50	2421.029	72	C	9953.3	0.2433
2.4G;	5.70	12.92	16.47	0.50	49.774	72	C	9953.3	0.0050
Ultra Wide Band;F1D	-	-	-20.96	0.50	0.009	72	C	9953.3	0.0001
Sum TL Ratio_C	0.9778								
Ratio Limit	1								

Note 1: Option A, B and C refer as clause 2.2

Note 2: For option B, Pth(mW) convert to TL ERP(mW); For option C, ERP(W) convert to TL ERP(mW)

Note 3: TL Ratio=Tune-up ERP(mW)/TL ERP(mW)

Note 4: Refer as clause 2.3 Multiple RF Sources Exposure. Please follow below option and sum TL ration table.

Option	Sum TL Ratio_B	Option	Sum TL Ratio_C	Option	Sum TL Ratio_E
B	$\sum_{i=1}^a \frac{P_i}{P_{th,i}}$	C	$\sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}}$	E	$\sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k}$

Note: The above antenna gain was declared by manufacturer.

—THE END—