

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 variant 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
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Photographs of EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FA5O0964-06B	01	Initial issue of report	Aug. 04, 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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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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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. : FA5O0964-06B

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	-	-	-



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Report No. : FA5O0964-06B

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

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.

1.1.4 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FA5O0964B

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

Modifications	Performance Checking
Add an additional external antenna, Antenna 2, to be supported under equipment class 6SD for both Radio 1 and Radio 3.	Exposure evaluation was evaluated:

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 is in MHz; R 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	0.01	129.122	72	C	9953.3	0.0130
2.4G;D1D	3.02	20.18	21.05	0.01	127.644	72	C	9953.3	0.0128

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	0.01	233.346	72	C	9953.3	0.0235
2.4G;D1D	3.02	23.25	24.12	0.01	258.821	72	C	9953.3	0.0260

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	0.01	244.343	72	C	9953.3	0.0246

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	0.01	489.779	72	C	9953.3	0.0492
2.4G;D1D	3.02	25.53	26.40	0.01	437.522	72	C	9953.3	0.0440

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	0.01	400.867	72	C	9953.3	0.0403

**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	0.01	233.346	72	C	9953.3	0.0235
2.4G;D1D	5.62	19.51	22.98	0.01	199.067	72	C	9953.3	0.0200

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	0.01	444.631	72	C	9953.3	0.0447
2.4G;D1D	5.62	22.86	26.33	0.01	430.527	72	C	9953.3	0.0433

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	0.01	345.144	72	C	9953.3	0.0347

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	0.01	885.116	72	C	9953.3	0.0890
2.4G;D1D	5.62	24.03	27.50	0.01	563.638	72	C	9953.3	0.0566

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	0.01	580.764	72	C	9953.3	0.0584

**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	0.01	662.217	72	C	9953.3	0.0666
2.4G;D1D	9.72	19.31	26.88	0.01	488.652	72	C	9953.3	0.0491

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	0.01	1321.296	72	C	9953.3	0.1328
2.4G;D1D	9.72	21.52	29.09	0.01	812.831	72	C	9953.3	0.0817

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	0.01	626.614	72	C	9953.3	0.0630

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	0.01	2162.719	72	C	9953.3	0.2174
2.4G;D1D	9.72	23.04	30.61	0.01	1153.453	72	C	9953.3	0.1159

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	0.01	1235.947	72	C	9953.3	0.1242

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	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;D1D	2.82	22.91	23.58	0.01	228.560	72	C	9953.3	0.0230

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	2.82	22.70	23.37	0.01	217.771	72	C	9953.3	0.0219

**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	0.01	104.472	72	C	9953.3	0.0105
5.3G;D1D	2.54	19.54	19.93	0.01	98.628	72	C	9953.3	0.0099

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	0.01	210.378	72	C	9953.3	0.0211
5.3G;D1D	2.54	22.14	22.53	0.01	179.473	72	C	9953.3	0.0180

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	0.01	202.302	72	C	9953.3	0.0203
5.3G;D1D	2.54	22.02	22.41	0.01	174.582	72	C	9953.3	0.0175

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	0.01	399.025	72	C	9953.3	0.0401
5.3G;D1D	2.54	23.34	23.73	0.01	236.592	72	C	9953.3	0.0238

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	0.01	399.945	72	C	9953.3	0.0402
5.3G;D1D	2.54	23.42	23.81	0.01	240.991	72	C	9953.3	0.0242

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	0.01	90.573	72	C	9953.3	0.0091
5.3G;D1D	2.15	19.09	19.09	0.01	81.283	72	C	9953.3	0.0082
5.6G;D1D	2.95	19.11	19.91	0.01	98.175	72	C	9953.3	0.0099
5.8G;D1D	2.75	20.17	20.77	0.01	119.674	72	C	9953.3	0.0120

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	0.01	183.231	72	C	9953.3	0.0184
5.3G;D1D	2.15	21.56	21.56	0.01	143.549	72	C	9953.3	0.0144
5.6G;D1D	2.95	22.04	22.84	0.01	192.752	72	C	9953.3	0.0194
5.8G;D1D	2.75	22.82	23.42	0.01	220.293	72	C	9953.3	0.0221

**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	0.01	163.682	72	C	9953.3	0.0165
5.3G;D1D	2.15	21.50	21.50	0.01	141.579	72	C	9953.3	0.0142
5.6G;D1D	2.95	21.73	22.53	0.01	179.473	72	C	9953.3	0.0180
5.8G;D1D	2.75	23.00	23.60	0.01	229.615	72	C	9953.3	0.0231

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	0.01	345.144	72	C	9953.3	0.0347
5.3G;D1D	2.15	23.20	23.20	0.01	209.411	72	C	9953.3	0.0210
5.6G;D1D	2.95	23.65	24.45	0.01	279.254	72	C	9953.3	0.0281
5.8G;D1D	2.75	25.62	26.22	0.01	419.759	72	C	9953.3	0.0422

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	0.01	281.838	72	C	9953.3	0.0283
5.3G;D1D	2.15	23.44	23.44	0.01	221.309	72	C	9953.3	0.0222
5.6G;D1D	2.95	23.76	24.56	0.01	286.418	72	C	9953.3	0.0288
5.8G;D1D	2.75	25.57	26.17	0.01	414.954	72	C	9953.3	0.0417

**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	0.01	151.008	72	C	9953.3	0.0152
5.3G;D1D	4.14	19.54	21.53	0.01	142.561	72	C	9953.3	0.0143

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	0.01	304.089	72	C	9953.3	0.0306
5.3G;D1D	4.14	22.14	24.13	0.01	259.418	72	C	9953.3	0.0261

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	0.01	292.415	72	C	9953.3	0.0294
5.3G;D1D	4.14	22.02	24.01	0.01	252.348	72	C	9953.3	0.0254

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	0.01	576.766	72	C	9953.3	0.0580
5.3G;D1D	4.14	23.59	25.58	0.01	362.243	72	C	9953.3	0.0364

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	0.01	578.096	72	C	9953.3	0.0581
5.3G;D1D	4.14	23.93	25.92	0.01	391.742	72	C	9953.3	0.0394

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	0.01	130.918	72	C	9953.3	0.0132
5.3G;D1D	3.75	18.71	20.31	0.01	107.647	72	C	9953.3	0.0108
5.6G;D1D	3.75	19.11	20.71	0.01	118.032	72	C	9953.3	0.0119
5.8G;D1D	3.75	20.17	21.77	0.01	150.661	72	C	9953.3	0.0151

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	0.01	282.488	72	C	9953.3	0.0284
5.3G;D1D	3.75	21.84	23.44	0.01	221.309	72	C	9953.3	0.0222
5.6G;D1D	3.75	22.04	23.64	0.01	231.739	72	C	9953.3	0.0233
5.8G;D1D	3.75	22.82	24.42	0.01	277.332	72	C	9953.3	0.0279

**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	0.01	236.592	72	C	9953.3	0.0238
5.3G;D1D	3.75	22.21	23.81	0.01	240.991	72	C	9953.3	0.0242
5.6G;D1D	3.75	22.29	23.89	0.01	245.471	72	C	9953.3	0.0247
5.8G;D1D	3.75	23.00	24.60	0.01	289.068	72	C	9953.3	0.0291

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	0.01	472.063	72	C	9953.3	0.0474
5.3G;D1D	3.75	23.91	25.51	0.01	356.451	72	C	9953.3	0.0358
5.6G;D1D	3.75	23.77	25.37	0.01	345.144	72	C	9953.3	0.0347
5.8G;D1D	3.75	25.62	27.22	0.01	528.445	72	C	9953.3	0.0531

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	0.01	407.380	72	C	9953.3	0.0409
5.3G;D1D	3.75	23.88	25.48	0.01	353.997	72	C	9953.3	0.0356
5.6G;D1D	3.75	23.94	25.54	0.01	358.922	72	C	9953.3	0.0361
5.8G;D1D	3.75	25.70	27.30	0.01	538.270	72	C	9953.3	0.0541

**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	0.01	1667.247	72	C	9953.3	0.1676
5.3G;D1D	14.39	14.95	27.19	0.01	524.807	72	C	9953.3	0.0527

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	0.01	2137.962	72	C	9953.3	0.2149
5.3G;D1D	14.39	14.95	27.19	0.01	524.807	72	C	9953.3	0.0527

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	0.01	2137.962	72	C	9953.3	0.2149
5.3G;D1D	14.39	15.07	27.31	0.01	539.511	72	C	9953.3	0.0542

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	0.01	1419.058	72	C	9953.3	0.1426
5.3G;D1D	14.39	14.98	27.22	0.01	528.445	72	C	9953.3	0.0531

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	0.01	2027.683	72	C	9953.3	0.2038
5.3G;D1D	14.39	15.07	27.31	0.01	539.511	72	C	9953.3	0.0542

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	0.01	1174.898	72	C	9953.3	0.1181
5.3G;D1D	14.00	15.43	27.28	0.01	535.797	72	C	9953.3	0.0539
5.6G;D1D	14.00	15.46	27.31	0.01	539.511	72	C	9953.3	0.0542
5.8G;D1D	14.00	19.56	31.41	0.01	1386.756	72	C	9953.3	0.1394

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	0.01	2065.380	72	C	9953.3	0.2076
5.3G;D1D	14.00	15.44	27.29	0.01	537.032	72	C	9953.3	0.0540
5.6G;D1D	14.00	15.46	27.31	0.01	539.511	72	C	9953.3	0.0542
5.8G;D1D	14.00	21.40	33.25	0.01	2118.361	72	C	9953.3	0.2129

**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	0.01	1927.525	72	C	9953.3	0.1937
5.3G;D1D	14.00	15.46	27.31	0.01	539.511	72	C	9953.3	0.0542
5.6G;D1D	14.00	15.46	27.31	0.01	539.511	72	C	9953.3	0.0542
5.8G;D1D	14.00	21.42	33.27	0.01	2128.139	72	C	9953.3	0.2139

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	0.01	1874.995	72	C	9953.3	0.1884
5.3G;D1D	14.00	15.36	27.21	0.01	527.230	72	C	9953.3	0.0530
5.6G;D1D	14.00	15.46	27.31	0.01	539.511	72	C	9953.3	0.0542
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169

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	0.01	2147.830	72	C	9953.3	0.2159
5.3G;D1D	14.00	15.39	27.24	0.01	530.884	72	C	9953.3	0.0534
5.6G;D1D	14.00	15.47	27.32	0.01	540.754	72	C	9953.3	0.0543
5.8G;D1D	14.00	21.47	33.32	0.01	2152.782	72	C	9953.3	0.2164

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	0.01	440.555	72	C	9953.3	0.0443
5.3G;D1D	4.34	23.88	26.07	0.01	405.509	72	C	9953.3	0.0408
5.6G;D1D	5.46	23.86	27.17	0.01	522.396	72	C	9953.3	0.0525
5.8G;D1D	4.34	24.83	27.02	0.01	504.661	72	C	9953.3	0.0507

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	0.01	431.519	72	C	9953.3	0.0434
5.3G;D1D	4.34	23.94	26.13	0.01	411.150	72	C	9953.3	0.0413
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
5.8G;D1D	4.34	24.79	26.98	0.01	500.035	72	C	9953.3	0.0503

**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	3.82	29.22	30.89	0.01	1230.269	72	C	9953.3	0.1236

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	1.41	29.07	28.33	0.01	682.339	72	C	9953.3	0.0686
6.7G;D1D	1.41	29.28	28.54	0.01	716.143	72	C	9953.3	0.0720

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	-	-	33.83	0.01	2421.029	72	C	9953.3	0.2433
6.7G;D1D	-	-	33.83	0.01	2421.029	72	C	9953.3	0.2433

6GHz WLAN_6SD < AI-TQ08055 >**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	3.82	29.24	30.91	0.01	1235.947	72	C	9953.3	0.1242

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
6.7G;D1D	1.41	29.28	28.54	0.01	716.143	72	C	9953.3	0.0720

**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	0.01	13.996	72	C	9953.3	0.0014

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	0.01	5.636	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	0.01	44.463	72	C	9953.3	0.0045

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	0.01	17.219	72	C	9953.3	0.0017

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	0.01	0.007	72	C	9953.3	0.0001
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001

**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	0.01	1409.289	72	C	9953.3	0.1416

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	0.01	1039.920	72	C	9953.3	0.1045

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	0.01	2152.782	72	C	9953.3	0.2164

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	0.01	1577.611	72	C	9953.3	0.1586
5.3G;D1D	8.56	20.88	27.29	0.01	537.032	72	C	9953.3	0.0540

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	0.01	977.237	72	C	9953.3	0.0982
5.3G;D1D	8.17	21.28	27.30	0.01	538.270	72	C	9953.3	0.0541
5.6G;D1D	8.97	20.47	27.29	0.01	537.032	72	C	9953.3	0.0540
5.8G;D1D	8.77	25.62	32.24	0.01	1678.804	72	C	9953.3	0.1687

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	0.01	1140.250	72	C	9953.3	0.1146
5.3G;D1D	7.15	22.31	27.31	0.01	539.511	72	C	9953.3	0.0542

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	0.01	901.571	72	C	9953.3	0.0906
5.3G;D1D	6.76	22.63	27.24	0.01	530.884	72	C	9953.3	0.0534
5.6G;D1D	6.76	22.65	27.26	0.01	533.335	72	C	9953.3	0.0536
5.8G;D1D	6.76	25.62	30.23	0.01	1056.818	72	C	9953.3	0.1062

**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	0.01	2108.628	72	C	9953.3	0.2119
5.3G;D1D	17.40	11.89	27.14	0.01	518.800	72	C	9953.3	0.0521

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	0.01	2133.045	72	C	9953.3	0.2144
5.3G;D1D	17.01	12.45	27.31	0.01	539.511	72	C	9953.3	0.0542
5.6G;D1D	17.01	12.45	27.31	0.01	539.511	72	C	9953.3	0.0542
5.8G;D1D	17.01	18.37	33.23	0.01	2108.628	72	C	9953.3	0.2119

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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372

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	1.41	29.07	28.33	0.01	682.339	72	C	9953.3	0.0686
6.7G;D1D	1.41	29.21	28.47	0.01	704.693	72	C	9953.3	0.0708

6GHz WLAN_6SD < 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
6.7G;D1D	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372

Beamforming_Radio 3_Low band

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371

Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416

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	0.01	2162.719	72	C	9953.3	0.2174
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
2.4G;G1D	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6095								
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	0.01	2162.719	72	C	9953.3	0.2174
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6309								
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	0.01	2162.719	72	C	9953.3	0.2174
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
6.2G;D1D	-	-	33.83	0.01	2421.029	72	C	9953.3	0.2433
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.8207								
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	0.01	2162.719	72	C	9953.3	0.2174
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
2.4G;G1D	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6126								
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	0.01	2162.719	72	C	9953.3	0.2174
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6340								
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	0.01	2162.719	72	C	9953.3	0.2174
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
6.2G;D1D			33.83	0.01	2421.029	72	C	9953.3	0.2433
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.8238								
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	0.01	2137.962	72	C	9953.3	0.2149
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
2.4G;G1D	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6070								
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	0.01	2137.962	72	C	9953.3	0.2149
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6284								
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	0.01	2137.962	72	C	9953.3	0.2149
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
6.2G;D1D			33.83	0.01	2421.029	72	C	9953.3	0.2433
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.8182								
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	0.01	2137.962	72	C	9953.3	0.2149
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
2.4G;G1D	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6101								
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	0.01	2137.962	72	C	9953.3	0.2149
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6315								
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	0.01	2137.962	72	C	9953.3	0.2149
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.7G;D1D	4.42	29.21	31.48	0.01	1409.289	72	C	9953.3	0.1416
6.2G;D1D	-	-	33.83	0.01	2421.029	72	C	9953.3	0.2433
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.8213								
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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371
2.4G;G1D	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6248								
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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6462								
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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371
6.2G;D1D	-	-	33.83	0.01	2421.029	72	C	9953.3	0.2433
2.4G;BT-LE	5.70	7.90	11.45	0.01	13.996	72	C	9953.3	0.0014
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.8360								
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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371
2.4G;G1D	2.82	24.36	25.03	0.01	319.154	72	C	9953.3	0.0321
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6279								
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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371
5.6G;D1D	5.46	23.94	27.25	0.01	532.108	72	C	9953.3	0.0535
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.6493								
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	6.83	29.04	33.72	0.01	2360.478	72	C	9953.3	0.2372
5.8G;D1D	14.00	21.48	33.33	0.01	2157.744	72	C	9953.3	0.2169
6.2G;D1D	4.42	29.07	31.34	0.01	1364.583	72	C	9953.3	0.1371
6.2G;D1D	-	-	33.83	0.01	2421.029	72	C	9953.3	0.2433
2.4G;	5.70	12.92	16.47	0.01	44.463	72	C	9953.3	0.0045
Ultra Wide Band;F1D	-	-	-20.96	0.01	0.008	72	C	9953.3	0.0001
Sum TL Ratio_C	0.8391								
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—————