



FCC Radio Test 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 15.247

The product was received on Oct. 15, 2025, and testing was started from Dec. 02, 2025 and completed on Mar. 15, 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 ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 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

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History of this test report

Report No.	Version	Description	Issued Date
FR5O0964BC	01	Initial issue of report	May 13, 2026

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	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:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20), be(EHT20)	2412-2462	1-11 [11]

Non-Beamforming_Radio 1_1T1S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11be EHT20	20	1TX

Non-Beamforming_Radio 1_2T1S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX

Non-Beamforming_Radio 1_2T2S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20	20	2TX

Non-Beamforming_Radio 1_4T1S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11be EHT20	20	4TX

Non-Beamforming_Radio 1_4T4S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20	20	4TX

Non-Beamforming_Scan Radio_2T1S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX

**Non-Beamforming_Scan Radio_2T2S**

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20	20	2TX

Beamforming_Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20-BF	20	4TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ EHT20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ Evaluated EHT20 mode only due to the similar modulation. The power setting of HT20/VHT20 mode are the same or lower than EHT20.

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	-



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	-	-	-



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



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
								UNII-5	UNII-6	UNII-7	UNII-8	UNII-5	UNII-6	UNII-7	UNII-8	5G Ant.	6G Ant.	BT	802.1 5.4	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	802.1 5.4	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	-	-	-



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
								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
2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3																
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



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 ≤ 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 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / PoE			
EUT Function	☒ Point-to-multipoint	☐ Point-to-point		
Beamforming Function	☒ With beamforming	☐ Without beamforming		
Resource Unit	☒ Full RU	☐ Partial RU		
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.: ...			
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.: ...			
☐	Other: ...			

1.1.4 Mode Test Duty Cycle

Non-Beamforming_Radio 1_AI-TP05360_1T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_1TX	0.935	0.29	8.418m	200
802.11g_Nss1,(6Mbps)_1TX	0.536	2.71	129.375u	10k
802.11be EHT20_Nss1,(MCS0)_1TX	0.902	0.45	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TP05360_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.935	0.29	8.418m	200
802.11g_Nss1,(6Mbps)_2TX	0.537	2.7	129.375u	10k
802.11be EHT20_Nss1,(MCS0)_2TX	0.903	0.44	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TP05360_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.901	0.45	312.187u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TP05360_4T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_4TX	0.935	0.29	8.418m	200
802.11g_Nss1,(6Mbps)_4TX	0.534	2.72	129.375u	10k
802.11be EHT20_Nss1,(MCS0)_4TX	0.903	0.44	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TP05360_4T4S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss4,(MCS0)_4TX	0.903	0.44	321.562u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TQ08055_1T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_1TX	0.935	0.29	8.418m	200
802.11g_Nss1,(6Mbps)_1TX	0.536	2.71	129.375u	10k
802.11be EHT20_Nss1,(MCS0)_1TX	0.902	0.45	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TQ08055_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.935	0.29	8.418m	200
802.11g_Nss1,(6Mbps)_2TX	0.537	2.7	129.375u	10k
802.11be EHT20_Nss1,(MCS0)_2TX	0.903	0.44	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TQ08055_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.901	0.45	312.187u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TQ08055_4T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_4TX	0.935	0.29	8.418m	200
802.11g_Nss1,(6Mbps)_4TX	0.534	2.72	129.375u	10k
802.11be EHT20_Nss1,(MCS0)_4TX	0.903	0.44	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AI-TQ08055_4T4S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss4,(MCS0)_4TX	0.903	0.44	321.562u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_1T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_1TX	0.928	0.32	8.422m	200
802.11g_Nss1,(6Mbps)_1TX	0.543	2.65	131.25u	10k
802.11be EHT20_Nss1,(MCS0)_1TX	0.908	0.42	325u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.928	0.32	8.422m	200
802.11g_Nss1,(6Mbps)_2TX	0.543	2.65	131.25u	10k
802.11be EHT20_Nss1,(MCS0)_2TX	0.908	0.42	325u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.906	0.43	315.625u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_4T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_4TX	0.928	0.32	8.422m	200
802.11g_Nss1,(6Mbps)_4TX	0.543	2.65	131.25u	10k
802.11be EHT20_Nss1,(MCS0)_4TX	0.908	0.42	325u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_4T4S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss4,(MCS0)_4TX	0.908	0.42	325u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Scan Radio_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.935	0.29	8.419m	200
802.11g_Nss1,(6Mbps)_2TX	0.542	2.66	129.688u	10k
802.11be EHT20_Nss1,(MCS0)_2TX	0.909	0.41	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Scan Radio_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.906	0.43	312.187u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 1_AI-TP05360

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.903	0.44	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 1_AI-TQ08055

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.903	0.44	323.437u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 1_AIO-HQ17020

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.908	0.42	325u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D03 v02)
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	23.1~23.9℃ / 56~62%	27/Feb/2026
RF Conducted (AIO-DQ15021 -RPSMA)	TH07-HY	Raven Chien	22.1~22.7℃ / 54~61%	09/Feb/2026~10/Feb/2026
Radiated_ Co-location	03CH03-HY	Simon Cheng	19.6~21.5℃ / 53~56%	12/Mar/2026~15/Mar/2026
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	21.3~21.6℃ / 55~59%	18/Dec/2025~19/Dec/2025
Radiated	03CH26-HY	Ivan Chung	22.1~23.1℃ / 52~56%	02/Dec/2025~17/Dec/2025

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	3.44 dB	Confidence levels of 95%
Conducted Output Power	1.48 dB	Confidence levels of 95%
Bandwidth	0.05 MHz	Confidence levels of 95%
Conducted Emission	1.48 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	2.9 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.64 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	5.02 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	5.28 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	accessMtool_3_4_1_0
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Non-Beamforming_Radio 1_AI-TP05360_1T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	88
2437MHz	88
2462MHz	88
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	82
2417MHz	84
2437MHz	88
2457MHz	86
2462MHz	86
802.11be EHT20_Nss1,(MCS0)_1TX	-
2412MHz	80
2417MHz	85
2437MHz	87
2457MHz	87
2462MHz	81

Non-Beamforming_Radio 1_AI-TP05360_2T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	88
2437MHz	88
2462MHz	88
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	83
2417MHz	83
2437MHz	88
2457MHz	85
2462MHz	78
802.11be EHT20_Nss1,(MCS0)_2TX	-



Mode	Power Setting
2412MHz	80
2417MHz	83
2437MHz	88
2457MHz	84
2462MHz	77

Non-Beamforming_Radio 1_AI-TP05360_2T2S

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
2412MHz	80
2417MHz	83
2437MHz	87
2457MHz	84
2462MHz	80

Non-Beamforming_Radio 1_AI-TP05360_4T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	88
2437MHz	88
2462MHz	88
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	81
2417MHz	85
2437MHz	87
2457MHz	85
2462MHz	78
802.11be EHT20_Nss1,(MCS0)_4TX	-
2412MHz	80
2417MHz	84
2437MHz	81
2457MHz	79
2462MHz	77

**Non-Beamforming_Radio 1_AI-TP05360_4T4S**

Mode	Power Setting
802.11be EHT20_Nss4,(MCS0)_4TX	-
2412MHz	81
2417MHz	85
2437MHz	83
2457MHz	86
2462MHz	80

Non-Beamforming_Radio 1_AI-TQ08055_1T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	88
2437MHz	88
2462MHz	88
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	78
2417MHz	85
2437MHz	86
2457MHz	85
2462MHz	77
802.11be EHT20_Nss1,(MCS0)_1TX	-
2412MHz	75
2417MHz	85
2437MHz	85
2457MHz	78
2462MHz	76

Non-Beamforming_Radio 1_AI-TQ08055_2T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	88
2437MHz	88
2462MHz	88
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	77
2417MHz	86
2437MHz	88



Mode	Power Setting
2457MHz	84
2462MHz	74
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	75
2417MHz	85
2437MHz	82
2457MHz	77
2462MHz	69

Non-Beamforming_Radio 1_AI-TQ08055_2T2S

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
2412MHz	76
2417MHz	82
2437MHz	82
2457MHz	77
2462MHz	72

Non-Beamforming_Radio 1_AI-TQ08055_4T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	88
2437MHz	88
2457MHz	88
2462MHz	86
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	74
2417MHz	83
2437MHz	80
2457MHz	80
2462MHz	71
802.11be EHT20_Nss1,(MCS0)_4TX	-
2412MHz	72
2417MHz	80
2437MHz	77
2457MHz	73
2462MHz	67

Non-Beamforming_Radio 1_AI-TQ08055_4T4S

Mode	Power Setting
802.11be EHT20_Nss4,(MCS0)_4TX	-
2412MHz	72
2417MHz	81
2437MHz	79
2457MHz	76
2462MHz	69

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_1T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	88
2437MHz	88
2457MHz	88
2462MHz	85
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	79
2417MHz	82
2437MHz	81
2457MHz	81
2462MHz	74
802.11be EHT20_Nss1,(MCS0)_1TX	-
2412MHz	77
2417MHz	81
2437MHz	81
2457MHz	75
2462MHz	70

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_2T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	88
2437MHz	88
2457MHz	88
2462MHz	84
802.11g_Nss1,(6Mbps)_2TX	-



Mode	Power Setting
2412MHz	79
2417MHz	81
2437MHz	81
2457MHz	80
2462MHz	69
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	78
2417MHz	80
2437MHz	79
2457MHz	75
2462MHz	65

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_2T2S

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
2412MHz	77
2437MHz	74
2457MHz	73
2462MHz	67

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_4T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	83
2417MHz	85
2437MHz	84
2457MHz	82
2462MHz	79
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	74
2417MHz	80
2437MHz	76
2457MHz	75
2462MHz	58
802.11be EHT20_Nss1,(MCS0)_4TX	-
2412MHz	71
2417MHz	74



Mode	Power Setting
2437MHz	73
2457MHz	66
2462MHz	55

Non-Beamforming_Radio 1_AIO-DQ15021-RPSMA_4T4S

Mode	Power Setting
802.11be EHT20_Nss4,(MCS0)_4TX	-
2412MHz	74
2437MHz	74
2457MHz	70
2462MHz	62

Non-Beamforming_Scan Radio_2T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	88
2437MHz	88
2462MHz	88
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	88
2437MHz	88
2457MHz	88
2462MHz	78
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	72
2417MHz	86
2437MHz	84
2457MHz	88
2462MHz	74

Non-Beamforming_Scan Radio_2T2S

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
2412MHz	80
2417MHz	88
2437MHz	83
2457MHz	88



Mode	Power Setting
2462MHz	76

Beamforming_Radio 1_AI-TP05360

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
2412MHz	80
2417MHz	84
2437MHz	81
2457MHz	79
2462MHz	77

Beamforming_Radio 1_AI-TQ08055

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
2412MHz	72
2417MHz	80
2437MHz	77
2457MHz	73
2462MHz	67

Beamforming_Radio 1_AIO-HQ17020

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
2412MHz	71
2417MHz	74
2437MHz	72
2457MHz	66
2462MHz	55

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	PoE mode
2	Adapter mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
2	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V Radio 1_AI-TP05360 2T1S & 2T2S & 4T1S, Radio 1_AI-TQ08055 Radio 1_ AIO-DQ15021-RPSMA	V Radio 1_AI-TP05360 1T1S & 4T4S	V Scan Radio

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated measurement
Operating Mode	CTX
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
Refer to Sporton Test Report No.: FA5O0964B for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 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.

2.4 Support Equipment

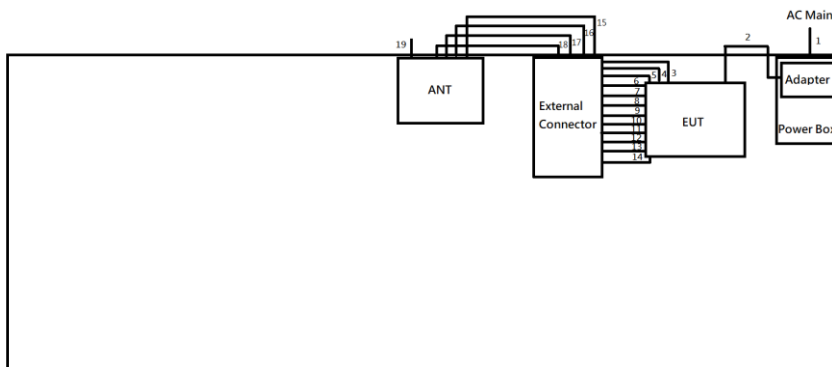
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Powertron	PA1045-120HIB300	-	Provided by Customer
2	RJ-45 Cable	Power sync	CAT-6E-03	-	-
3	PoE	Microsemi Corp.	PD-9501-10GC/AC	-	Provided by Customer
4	AC power cable	Power sync	PW-GPC180-3	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE	Microsemi	PD-9501-10GC/AC	-	-
4	Adapter	Powertron	PA1045-120HIB300	-	-

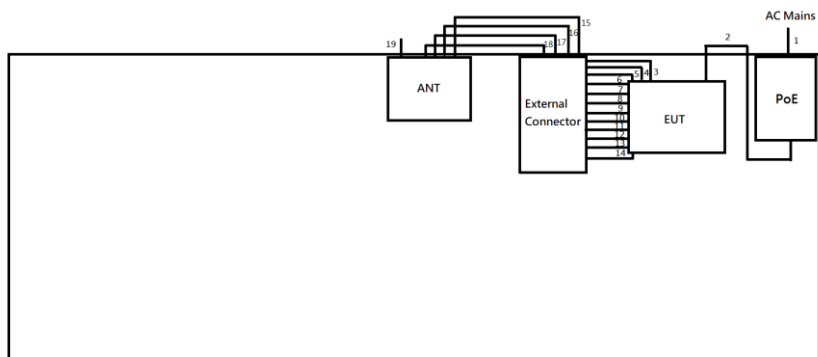
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CAT-6E-03	-	-
2	Adapter	Powertron	PA1045-120HIB300	-	Provided by Customer
3	PoE (Remote)	Microsemi Corp.	PD-9501-10GC/AC	-	Provided by Customer
4	AC power cable (Remote)	Power sync	PW-GPC180-3	-	-

2.5 Test Setup Diagram

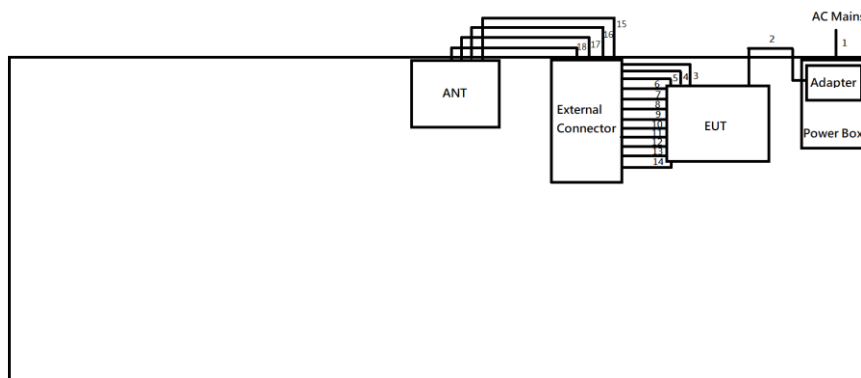
Test Setup Diagram – AC Line Conducted Emission Test for AI-TP05360_Adapter mode



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-
19	IoT Cable	No	1.0	-

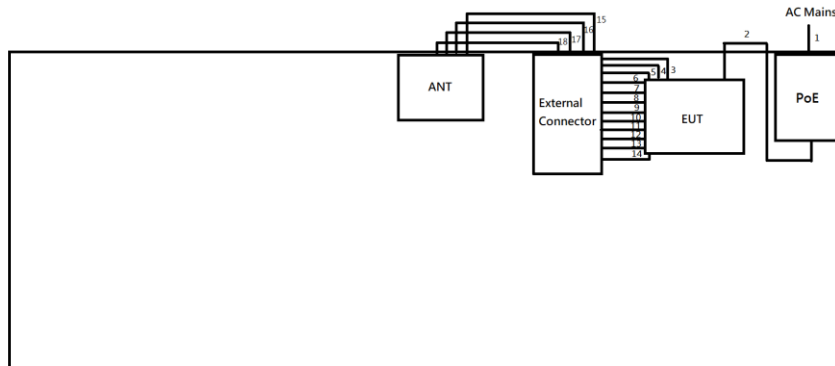
Test Setup Diagram – AC Line Conducted Emission Test for AI-TP05360_PoE mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-
19	IoT Cable	No	1.0	-

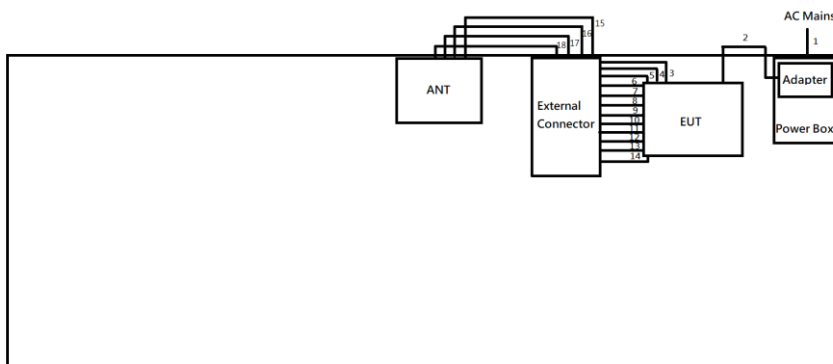
Test Setup Diagram – AC Line Conducted Emission Test for AI-TQ08055_Adapter mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-

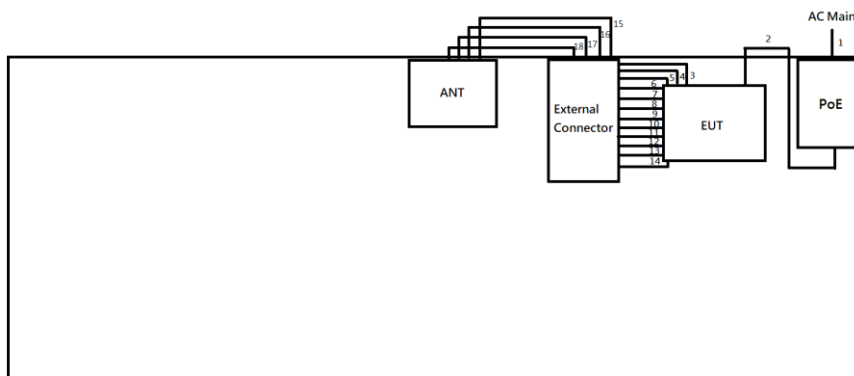
Test Setup Diagram – AC Line Conducted Emission Test for AI-TQ08055_PoE mode



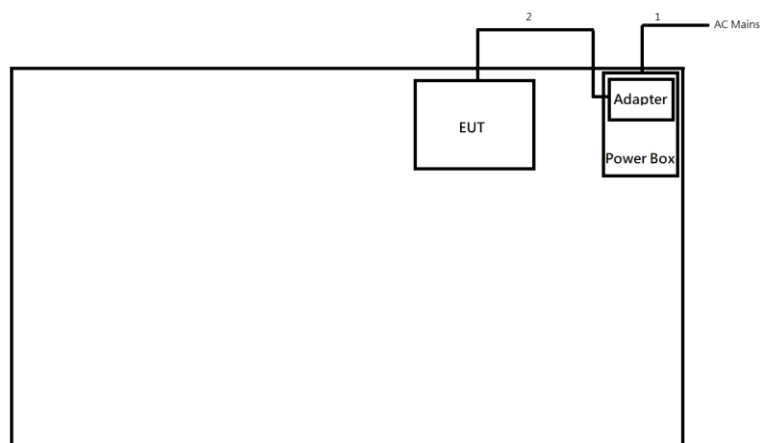
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-

Test Setup Diagram – AC Line Conducted Emission Test for AIO-DQ15021-RPSMA_Adapter mode


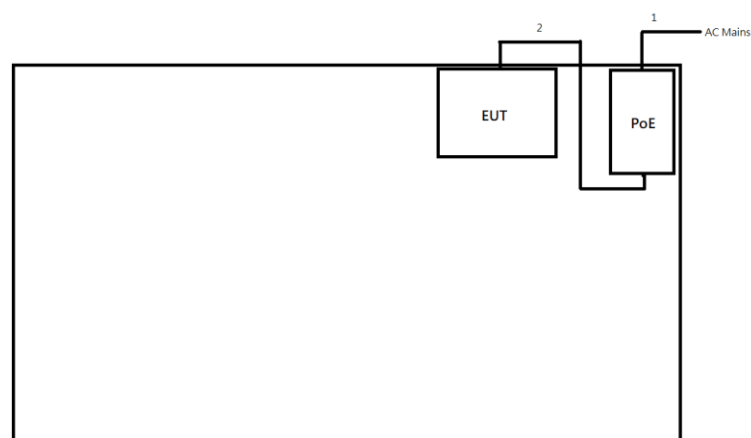
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	0.9	-
16	RF Cable	No	0.9	-
17	RF Cable	No	0.9	-
18	RF Cable	No	0.9	-

Test Setup Diagram – AC Line Conducted Emission Test for AIO-DQ15021-RPSMA_PoE mode


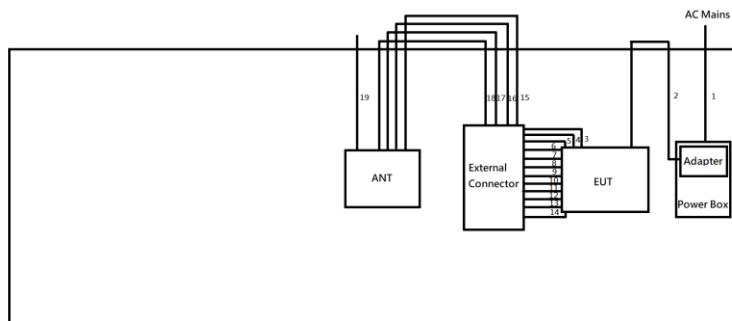
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	0.9	-
16	RF Cable	No	0.9	-
17	RF Cable	No	0.9	-
18	RF Cable	No	0.9	-

Test Setup Diagram – AC Line Conducted Emission Test for Scan Radio_Adapter mode


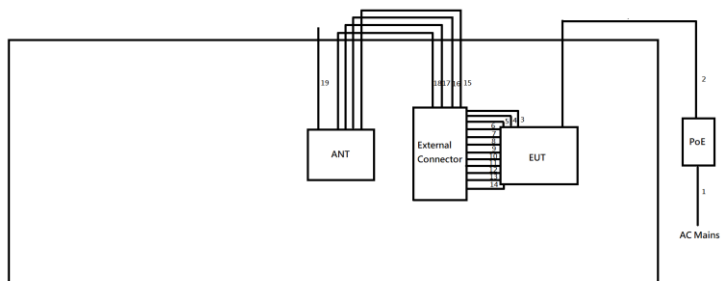
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-

Test Setup Diagram – AC Line Conducted Emission Test for Scan Radio_PoE mode


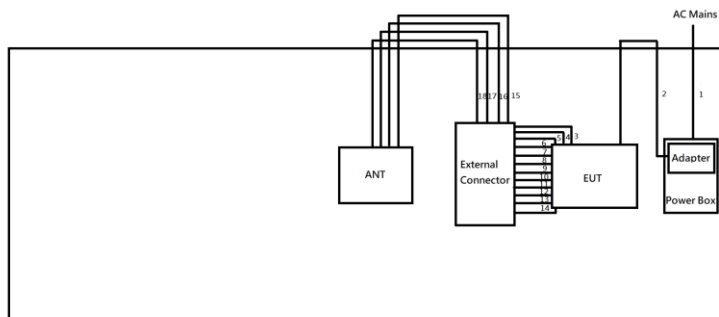
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ-45 Cable	No	3.0	-

Test Setup Diagram - Radiated Test for AI-TP05360_Adapter mode


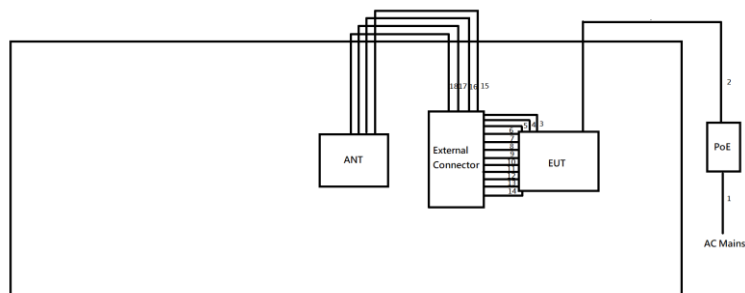
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-
19	IoT Cable	No	1.0	-

Test Setup Diagram - Radiated Test for AI-TP05360_PoE mode


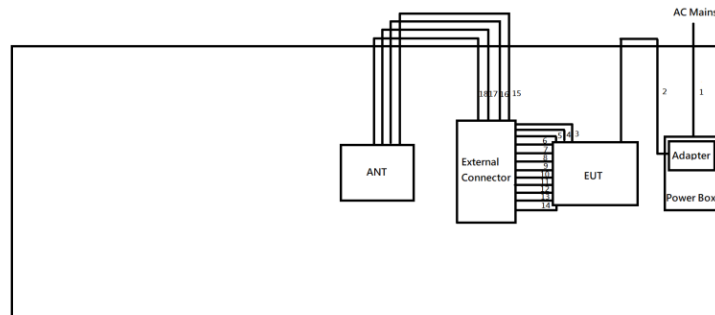
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-
19	IoT Cable	No	1.0	-

Test Setup Diagram - Radiated Test for AI-TQ08055_Adapter mode


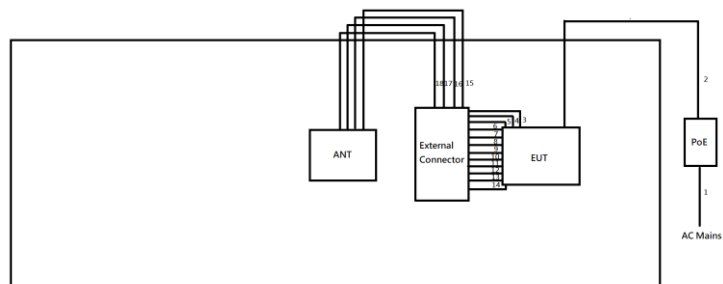
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-

Test Setup Diagram - Radiated Test for AI-TQ08055_PoE mode


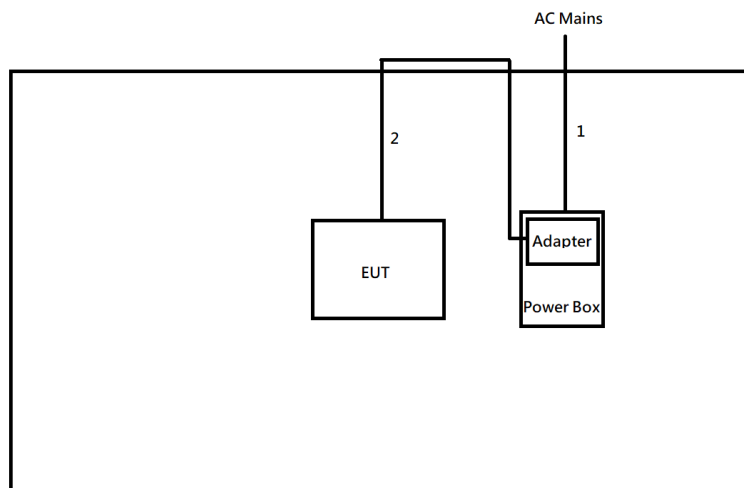
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	1.0	-
16	RF Cable	No	1.0	-
17	RF Cable	No	1.0	-
18	RF Cable	No	1.0	-

Test Setup Diagram - Radiated Test for AIO-DQ15021-RPSMA_Adapter mode


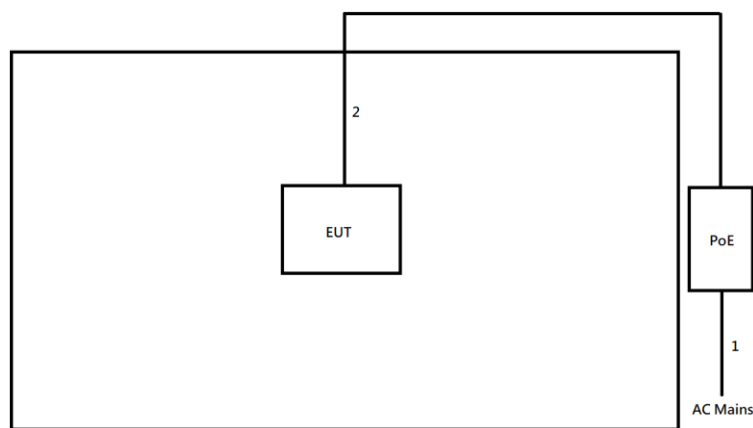
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	0.9	-
16	RF Cable	No	0.9	-
17	RF Cable	No	0.9	-
18	RF Cable	No	0.9	-

Test Setup Diagram - Radiated Test for AIO-DQ15021-RPSMA_PoE mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	RF Cable	No	0.2	-
4	RF Cable	No	0.2	-
5	RF Cable	No	0.2	-
6	RF Cable	No	0.2	-
7	RF Cable	No	0.2	-
8	RF Cable	No	0.2	-
9	RF Cable	No	0.2	-
10	RF Cable	No	0.2	-
11	RF Cable	No	0.2	-
12	RF Cable	No	0.2	-
13	RF Cable	No	0.2	-
14	RF Cable	No	0.2	-
15	RF Cable	No	0.9	-
16	RF Cable	No	0.9	-
17	RF Cable	No	0.9	-
18	RF Cable	No	0.9	-

Test Setup Diagram - Radiated Test for Scan Radio_Adapter mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-

Test Setup Diagram - Radiated Test for Scan Radio_PoE mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ-45 Cable	No	3.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

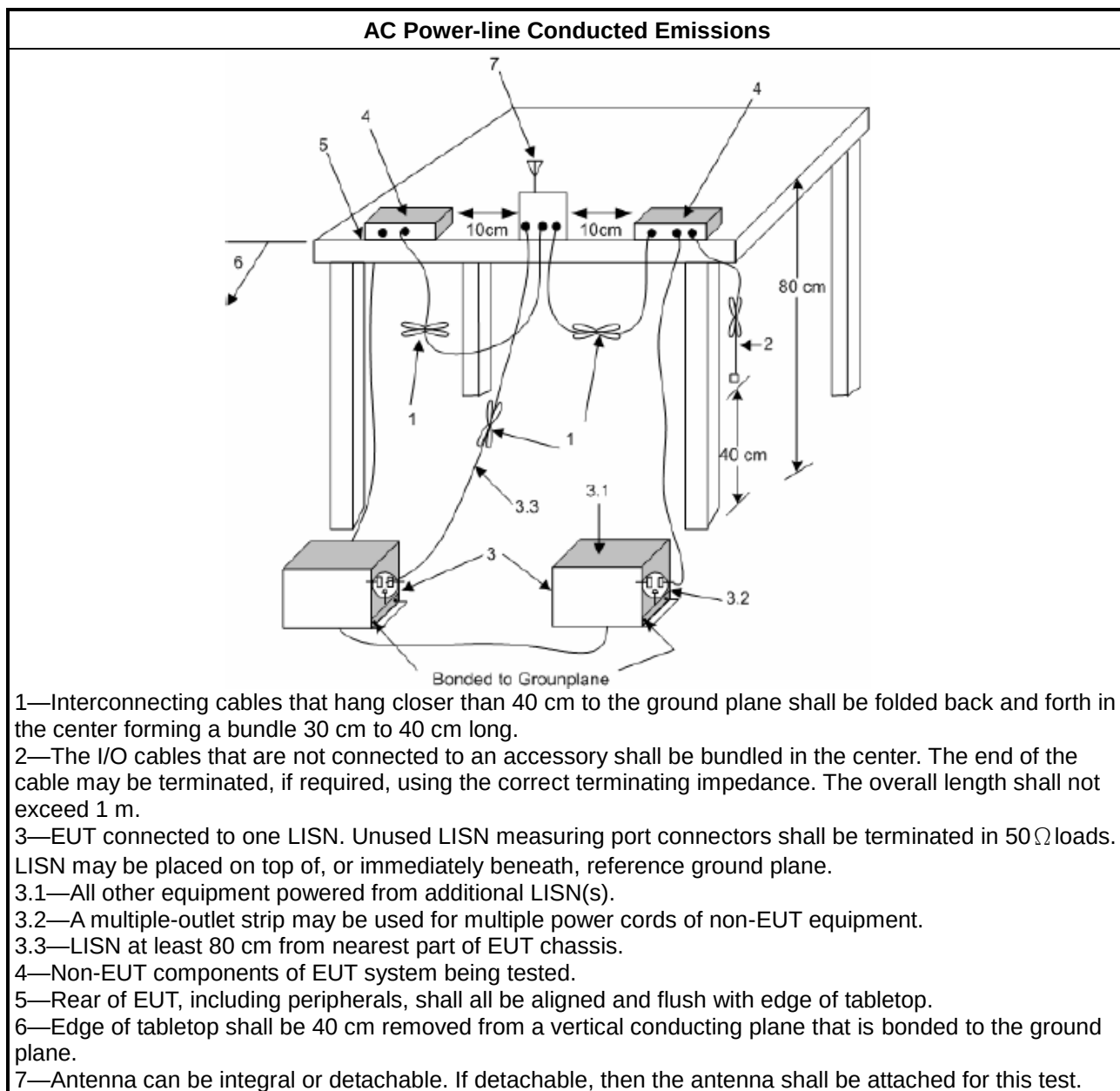
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

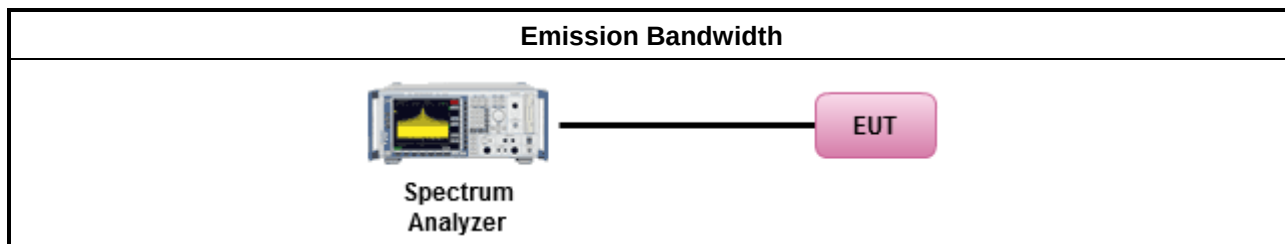
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

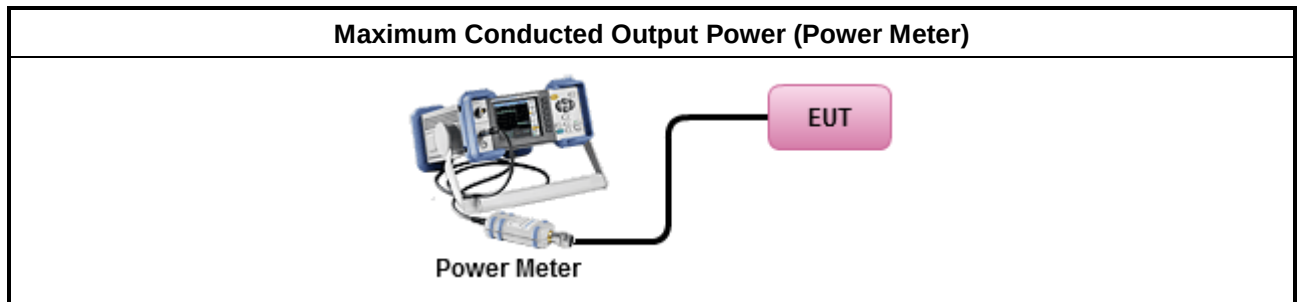
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.2 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

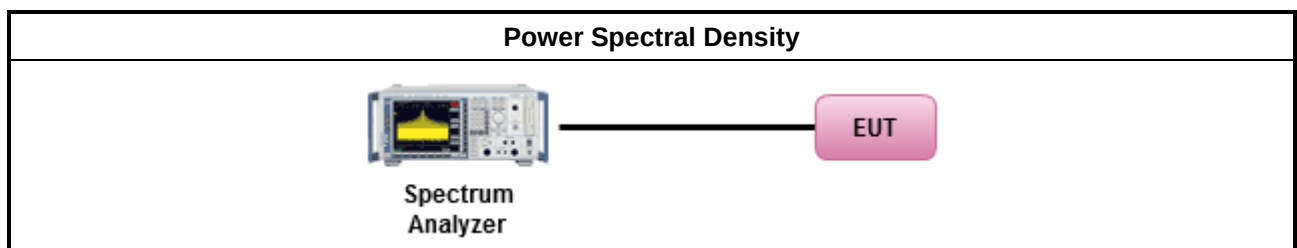
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

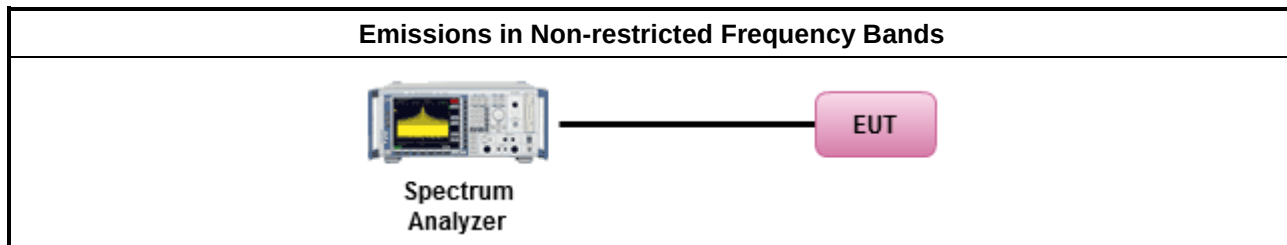
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

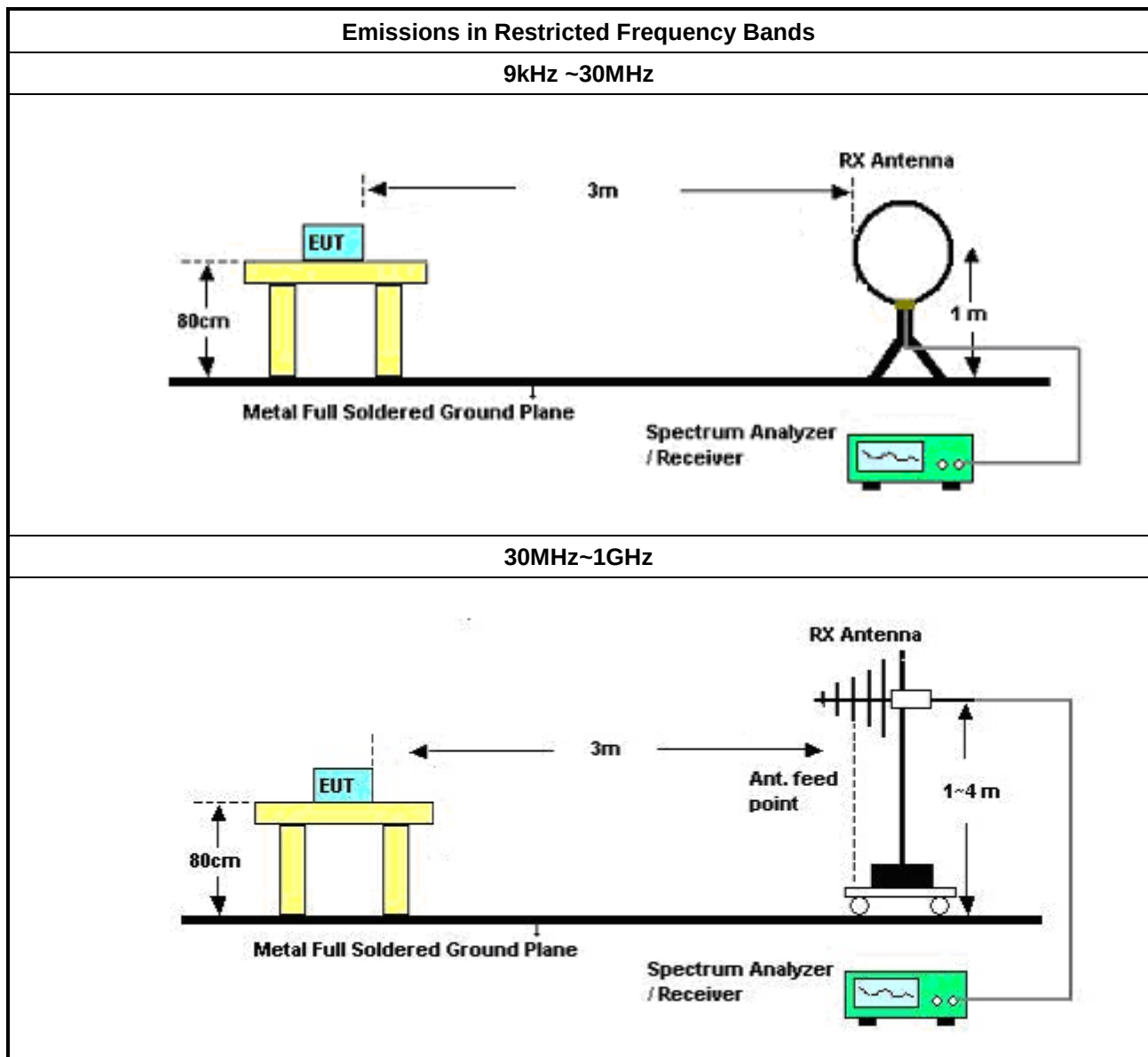
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

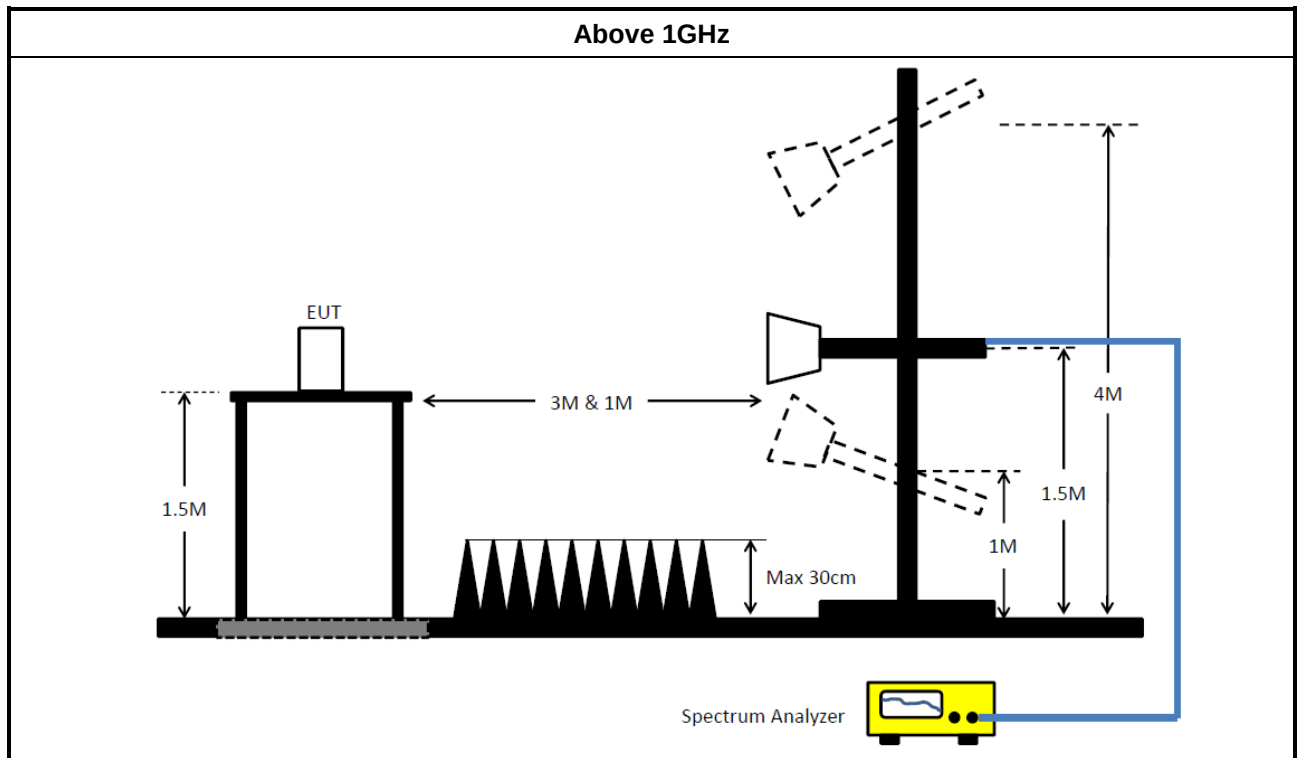
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101578	9kHz ~ 30MHz	24/Aug/2025	23/Aug/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	25/Feb/2026	24/Feb/2027
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	1056	9kHz ~ 30MHz	25/Jun/2025	24/Jun/2026
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test (TH06-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV3044	101345	10Hz~44GHz	26/Aug/2025	25/Aug/2026
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	29/Oct/2025	28/Oct/2026
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	28/Mar/2025	27/Mar/2026
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	28/Mar/2025	27/Mar/2026
SENSE-15247_DTS	Sporton	V5.11.27	N/A	N/A	N/A	N/A

Instrument for Conducted Test (TH07-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	05/Jan/2026	04/Jan/2027
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	29/Oct/2025	28/Oct/2026
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	17/Dec/2025	16/Dec/2026
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2025	16/Dec/2026
SENSE-15247_DTS	Sporton	V5.11.28	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH26-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	30MHz~1GHz 3m	06/Aug/2025	05/Aug/2026
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	06/Aug/2025	05/Aug/2026
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102052	9kHz~3.6GHz	14/May/2025	13/May/2026
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101411	10Hz~44GHz	30/Sep/2025	29/Sep/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63540/002	30MHz~1GHz	04/Jun/2025	03/Jun/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02877	1GHz~18GHz	02/Jul/2025	01/Jul/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	07/Oct/2025	06/Oct/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	9kHz~1GHz	03/Oct/2025	02/Oct/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	03/Oct/2025	02/Oct/2026
Preamplifier	SGH	PRAMP 903	20230515-2	30MHz~1GHz	21/May/2025	20/May/2026
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	21/May/2025	20/May/2026
Amplifier	EM	EM18G40G	060874	18GHz ~ 40GHz	18/Apr/2025	17/Apr/2026
SENSE-15247-DTS	Sporton	V5.11.27	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	13/Jul/2025	12/Jul/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101748	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	28/Oct/2025	27/Oct/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	02/Jul/2025	01/Jul/2026
RF CABLE 5+8m	HUBER+SUHNER	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	19/May/2025	18/May/2026
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	23/Jul/2025	22/Jul/2026
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	26/Apr/2025	25/Apr/2026
SENSE-15407_NII	Sporton	V5.11.27	NA	NA	NA	NA



**Conducted Emissions at Powerline_
Radio 1_AI-TP05360_AP5022FX**

Appendix A.1

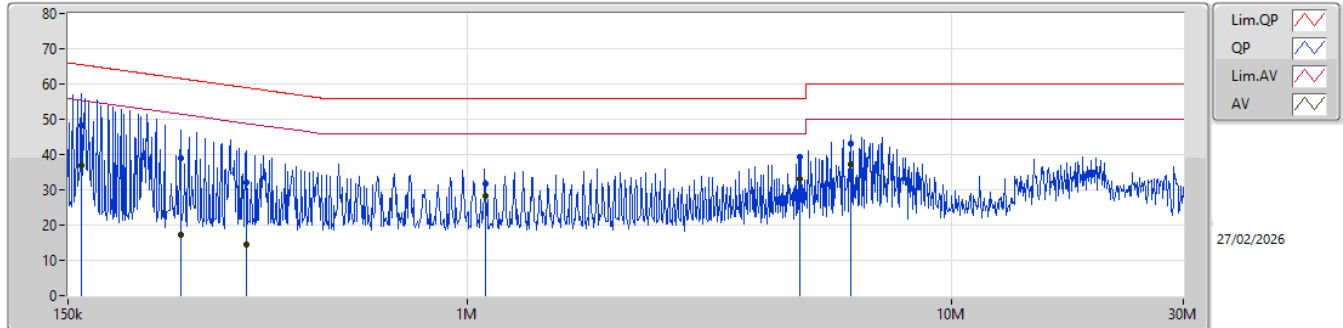
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	6.58M	40.78	50.00	-9.22	Neutral
Mode 2	Pass	QP	254.06k	42.22	61.62	-19.40	Neutral

Result

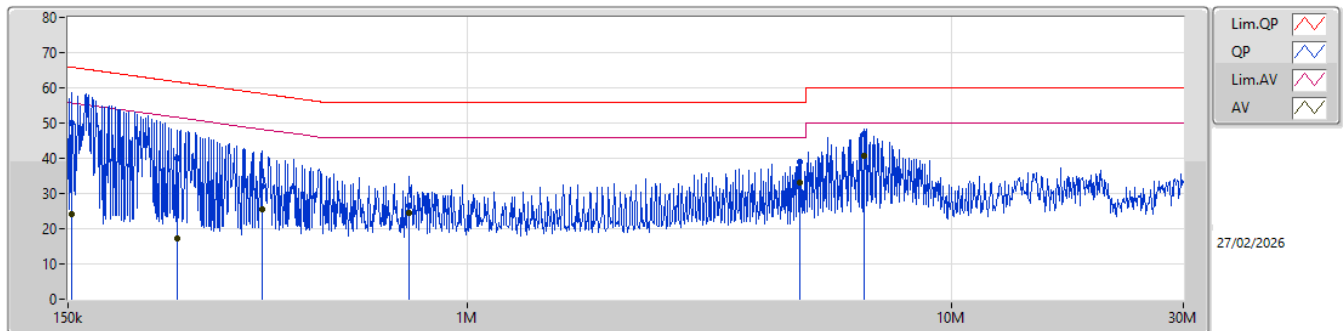
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159.89k	48.18	65.46	-17.28	Line
Mode 1	Pass	AV	159.89k	36.79	55.46	-18.67	Line
Mode 1	Pass	QP	256.1k	38.83	61.56	-22.73	Line
Mode 1	Pass	AV	256.1k	17.15	51.56	-34.41	Line
Mode 1	Pass	QP	351.05k	32.05	58.94	-26.89	Line
Mode 1	Pass	AV	351.05k	14.42	48.94	-34.52	Line
Mode 1	Pass	QP	1.09M	31.74	56.00	-24.26	Line
Mode 1	Pass	AV	1.09M	28.35	46.00	-17.65	Line
Mode 1	Pass	QP	4.84M	39.19	56.00	-16.81	Line
Mode 1	Pass	AV	4.84M	33.13	46.00	-12.87	Line
Mode 1	Pass	QP	6.19M	43.17	60.00	-16.83	Line
Mode 1	Pass	AV	6.19M	37.19	50.00	-12.81	Line
Mode 1	Pass	QP	152.41k	49.91	65.87	-15.96	Neutral
Mode 1	Pass	AV	152.41k	24.29	55.87	-31.58	Neutral
Mode 1	Pass	QP	252.04k	40.05	61.70	-21.65	Neutral
Mode 1	Pass	AV	252.04k	17.38	51.70	-34.32	Neutral
Mode 1	Pass	QP	377.21k	32.23	58.33	-26.10	Neutral
Mode 1	Pass	AV	377.21k	25.63	48.33	-22.70	Neutral
Mode 1	Pass	QP	758.54k	26.54	56.00	-29.46	Neutral
Mode 1	Pass	AV	758.54k	24.32	46.00	-21.68	Neutral
Mode 1	Pass	QP	4.84M	39.05	56.00	-16.95	Neutral
Mode 1	Pass	AV	4.84M	33.11	46.00	-12.89	Neutral
Mode 1	Pass	QP	6.58M	46.89	60.00	-13.11	Neutral
Mode 1	Pass	AV	6.58M	40.78	50.00	-9.22	Neutral
Mode 2	Pass	QP	156.11k	46.11	65.67	-19.56	Line
Mode 2	Pass	AV	156.11k	22.99	55.67	-32.68	Line
Mode 2	Pass	QP	253.05k	42.10	61.66	-19.56	Line
Mode 2	Pass	AV	253.05k	25.29	51.66	-26.37	Line
Mode 2	Pass	QP	355.28k	33.87	58.83	-24.96	Line
Mode 2	Pass	AV	355.28k	21.00	48.83	-27.83	Line
Mode 2	Pass	QP	1.73M	28.88	56.00	-27.12	Line
Mode 2	Pass	AV	1.73M	22.42	46.00	-23.58	Line
Mode 2	Pass	QP	3.09M	25.58	56.00	-30.42	Line
Mode 2	Pass	AV	3.09M	21.08	46.00	-24.92	Line
Mode 2	Pass	QP	12.91M	30.97	60.00	-29.03	Line
Mode 2	Pass	AV	12.91M	25.40	50.00	-24.60	Line
Mode 2	Pass	QP	155.49k	45.72	65.69	-19.97	Neutral
Mode 2	Pass	AV	155.49k	22.70	55.69	-32.99	Neutral
Mode 2	Pass	QP	254.06k	42.22	61.62	-19.40	Neutral
Mode 2	Pass	AV	254.06k	25.31	51.62	-26.31	Neutral
Mode 2	Pass	QP	408.56k	34.13	57.68	-23.55	Neutral
Mode 2	Pass	AV	408.56k	19.81	47.68	-27.87	Neutral
Mode 2	Pass	QP	1.26M	26.82	56.00	-29.18	Neutral
Mode 2	Pass	AV	1.26M	20.06	46.00	-25.94	Neutral
Mode 2	Pass	QP	3.01M	24.85	56.00	-31.15	Neutral
Mode 2	Pass	AV	3.01M	20.69	46.00	-25.31	Neutral
Mode 2	Pass	QP	13.12M	31.30	60.00	-28.70	Neutral
Mode 2	Pass	AV	13.12M	25.07	50.00	-24.93	Neutral

Conducted Emissions at Powerline_Mode 1



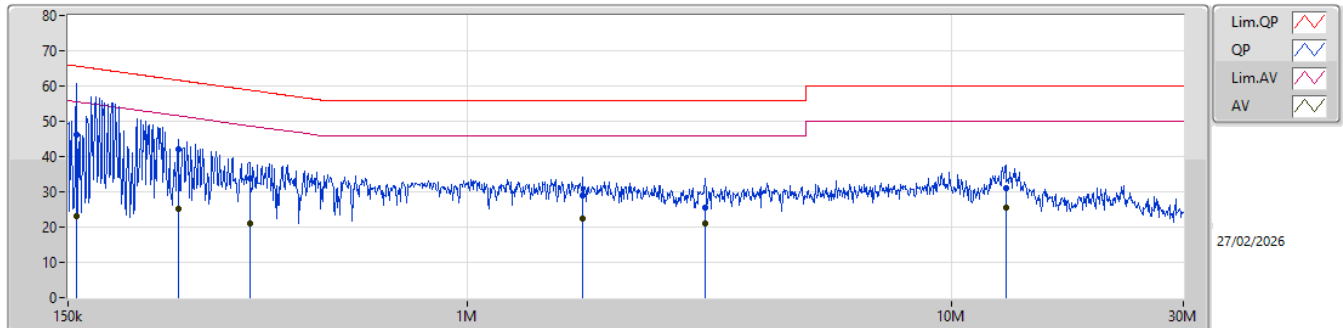
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	159.89k	48.18	65.46	-17.28	19.92	Line	28.26	9.64	0.16	10.12								
AV	159.89k	36.79	55.46	-18.67	19.92	Line	16.87	9.64	0.16	10.12								
QP	256.1k	38.83	61.56	-22.73	19.88	Line	18.95	9.64	0.12	10.12								
AV	256.1k	17.15	51.56	-34.41	19.88	Line	-2.73	9.64	0.12	10.12								
QP	351.05k	32.05	58.94	-26.89	19.86	Line	12.19	9.63	0.11	10.12								
AV	351.05k	14.42	48.94	-34.52	19.86	Line	-5.44	9.63	0.11	10.12								
QP	1.09M	31.74	56.00	-24.26	19.83	Line	11.91	9.64	0.07	10.12								
AV	1.09M	28.35	46.00	-17.65	19.83	Line	8.52	9.64	0.07	10.12								
QP	4.84M	39.19	56.00	-16.81	19.95	Line	19.24	9.67	0.15	10.13								
AV	4.84M	33.13	46.00	-12.87	19.95	Line	13.18	9.67	0.15	10.13								
QP	6.19M	43.17	60.00	-16.83	19.98	Line	23.19	9.67	0.18	10.13								
AV	6.19M	37.19	50.00	-12.81	19.98	Line	17.21	9.67	0.18	10.13								

Conducted Emissions at Powerline_Mode 1



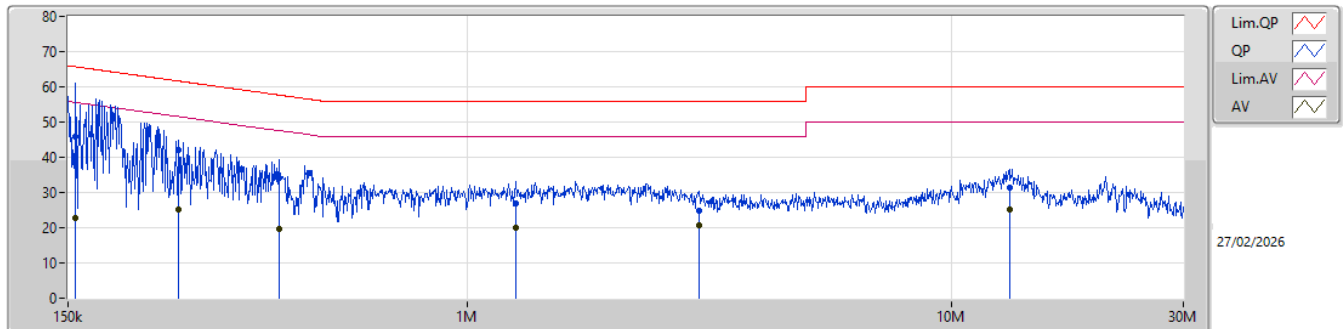
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	152.41k	49.91	65.87	-15.96	19.93	Neutral	29.98	9.64	0.17	10.12								
AV	152.41k	24.29	55.87	-31.58	19.93	Neutral	4.36	9.64	0.17	10.12								
QP	252.04k	40.05	61.70	-21.65	19.87	Neutral	20.18	9.63	0.12	10.12								
AV	252.04k	17.38	51.70	-34.32	19.87	Neutral	-2.49	9.63	0.12	10.12								
QP	377.21k	32.23	58.33	-26.10	19.85	Neutral	12.38	9.63	0.10	10.12								
AV	377.21k	25.63	48.33	-22.70	19.85	Neutral	5.78	9.63	0.10	10.12								
QP	758.54k	26.54	56.00	-29.46	19.84	Neutral	6.70	9.64	0.08	10.12								
AV	758.54k	24.32	46.00	-21.68	19.84	Neutral	4.48	9.64	0.08	10.12								
QP	4.84M	39.05	56.00	-16.95	19.95	Neutral	19.10	9.67	0.15	10.13								
AV	4.84M	33.11	46.00	-12.89	19.95	Neutral	13.16	9.67	0.15	10.13								
QP	6.58M	46.89	60.00	-13.11	20.01	Neutral	26.88	9.68	0.19	10.14								
AV	6.58M	40.78	50.00	-9.22	20.01	Neutral	20.77	9.68	0.19	10.14								

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	156.11k	46.11	65.67	-19.56	19.93	Line	26.18	9.64	0.17	10.12
AV	156.11k	22.99	55.67	-32.68	19.93	Line	3.06	9.64	0.17	10.12
QP	253.05k	42.10	61.66	-19.56	19.88	Line	22.22	9.64	0.12	10.12
AV	253.05k	25.29	51.66	-26.37	19.88	Line	5.41	9.64	0.12	10.12
QP	355.28k	33.87	58.83	-24.96	19.86	Line	14.01	9.63	0.11	10.12
AV	355.28k	21.00	48.83	-27.83	19.86	Line	1.14	9.63	0.11	10.12
QP	1.73M	28.88	56.00	-27.12	19.83	Line	9.05	9.65	0.05	10.13
AV	1.73M	22.42	46.00	-23.58	19.83	Line	2.59	9.65	0.05	10.13
QP	3.09M	25.58	56.00	-30.42	19.89	Line	5.69	9.66	0.10	10.13
AV	3.09M	21.08	46.00	-24.92	19.89	Line	1.19	9.66	0.10	10.13
QP	12.91M	30.97	60.00	-29.03	20.11	Line	10.86	9.66	0.32	10.13
AV	12.91M	25.40	50.00	-24.60	20.11	Line	5.29	9.66	0.32	10.13

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	155.49k	45.72	65.69	-19.97	19.93	Neutral	25.79	9.64	0.17	10.12
AV	155.49k	22.70	55.69	-32.99	19.93	Neutral	2.77	9.64	0.17	10.12
QP	254.06k	42.22	61.62	-19.40	19.87	Neutral	22.35	9.63	0.12	10.12
AV	254.06k	25.31	51.62	-26.31	19.87	Neutral	5.44	9.63	0.12	10.12
QP	408.56k	34.13	57.68	-23.55	19.85	Neutral	14.28	9.63	0.10	10.12
AV	408.56k	19.81	47.68	-27.87	19.85	Neutral	-0.04	9.63	0.10	10.12
QP	1.26M	26.82	56.00	-29.18	19.82	Neutral	7.00	9.64	0.06	10.12
AV	1.26M	20.06	46.00	-25.94	19.82	Neutral	0.24	9.64	0.06	10.12
QP	3.01M	24.85	56.00	-31.15	19.88	Neutral	4.97	9.66	0.09	10.13
AV	3.01M	20.69	46.00	-25.31	19.88	Neutral	0.81	9.66	0.09	10.13
QP	13.12M	31.30	60.00	-28.70	20.15	Neutral	11.15	9.70	0.32	10.13
AV	13.12M	25.07	50.00	-24.93	20.15	Neutral	4.92	9.70	0.32	10.13



**Conducted Emissions at Powerline_
Radio 1_AI-TQ08055_AP5022FX**

Appendix A.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	6.66M	37.63	50.00	-12.37	Neutral
Mode 2	Pass	QP	169.76k	53.66	64.97	-11.31	Line



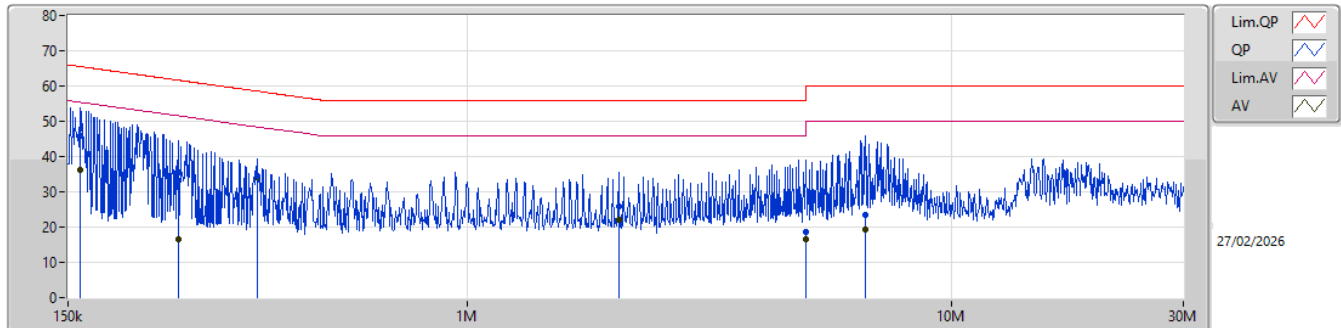
Conducted Emissions at Powerline
Radio 1_AI-TQ08055_AP5022FX

Appendix A.2

Result

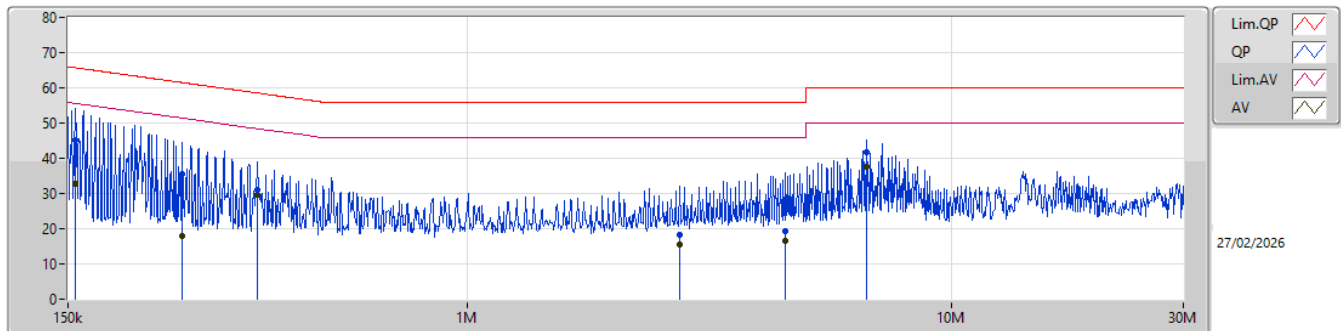
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	158.62k	45.93	65.54	-19.61	Line
Mode 1	Pass	AV	158.62k	36.21	55.54	-19.33	Line
Mode 1	Pass	QP	254.06k	35.65	61.62	-25.97	Line
Mode 1	Pass	AV	254.06k	16.67	51.62	-34.95	Line
Mode 1	Pass	QP	368.28k	34.34	58.54	-24.20	Line
Mode 1	Pass	AV	368.28k	33.97	48.54	-14.57	Line
Mode 1	Pass	QP	2.05M	25.99	56.00	-30.01	Line
Mode 1	Pass	AV	2.05M	22.11	46.00	-23.89	Line
Mode 1	Pass	QP	4.99M	18.77	56.00	-37.23	Line
Mode 1	Pass	AV	4.99M	16.45	46.00	-29.55	Line
Mode 1	Pass	QP	6.63M	23.31	60.00	-36.69	Line
Mode 1	Pass	AV	6.63M	19.17	50.00	-30.83	Line
Mode 1	Pass	QP	155.49k	45.11	65.69	-20.58	Neutral
Mode 1	Pass	AV	155.49k	32.66	55.69	-23.03	Neutral
Mode 1	Pass	QP	258.15k	35.64	61.49	-25.85	Neutral
Mode 1	Pass	AV	258.15k	17.91	51.49	-33.58	Neutral
Mode 1	Pass	QP	369.75k	30.93	58.50	-27.57	Neutral
Mode 1	Pass	AV	369.75k	29.60	48.50	-18.90	Neutral
Mode 1	Pass	QP	2.74M	18.43	56.00	-37.57	Neutral
Mode 1	Pass	AV	2.74M	15.65	46.00	-30.35	Neutral
Mode 1	Pass	QP	4.54M	19.15	56.00	-36.85	Neutral
Mode 1	Pass	AV	4.54M	16.60	46.00	-29.40	Neutral
Mode 1	Pass	QP	6.66M	41.82	60.00	-18.18	Neutral
Mode 1	Pass	AV	6.66M	37.63	50.00	-12.37	Neutral
Mode 2	Pass	QP	169.76k	53.66	64.97	-11.31	Line
Mode 2	Pass	AV	169.76k	34.61	54.97	-20.36	Line
Mode 2	Pass	QP	253.05k	41.05	61.66	-20.61	Line
Mode 2	Pass	AV	253.05k	24.46	51.66	-27.20	Line
Mode 2	Pass	QP	361k	31.57	58.70	-27.13	Line
Mode 2	Pass	AV	361k	18.40	48.70	-30.30	Line
Mode 2	Pass	QP	1.46M	29.03	56.00	-26.97	Line
Mode 2	Pass	AV	1.46M	22.22	46.00	-23.78	Line
Mode 2	Pass	QP	3.84M	25.51	56.00	-30.49	Line
Mode 2	Pass	AV	3.84M	21.05	46.00	-24.95	Line
Mode 2	Pass	QP	12.5M	31.36	60.00	-28.64	Line
Mode 2	Pass	AV	12.5M	25.33	50.00	-24.67	Line
Mode 2	Pass	QP	168.41k	53.42	65.04	-11.62	Neutral
Mode 2	Pass	AV	168.41k	33.32	55.04	-21.72	Neutral
Mode 2	Pass	QP	255.08k	41.06	61.58	-20.52	Neutral
Mode 2	Pass	AV	255.08k	25.29	51.58	-26.29	Neutral
Mode 2	Pass	QP	410.19k	33.83	57.64	-23.81	Neutral
Mode 2	Pass	AV	410.19k	20.15	47.64	-27.49	Neutral
Mode 2	Pass	QP	1.4M	27.45	56.00	-28.55	Neutral
Mode 2	Pass	AV	1.4M	20.88	46.00	-25.12	Neutral
Mode 2	Pass	QP	4.78M	23.62	56.00	-32.38	Neutral
Mode 2	Pass	AV	4.78M	19.06	46.00	-26.94	Neutral
Mode 2	Pass	QP	13.33M	31.47	60.00	-28.53	Neutral
Mode 2	Pass	AV	13.33M	25.41	50.00	-24.59	Neutral

Conducted Emissions at Powerline_Mode 1



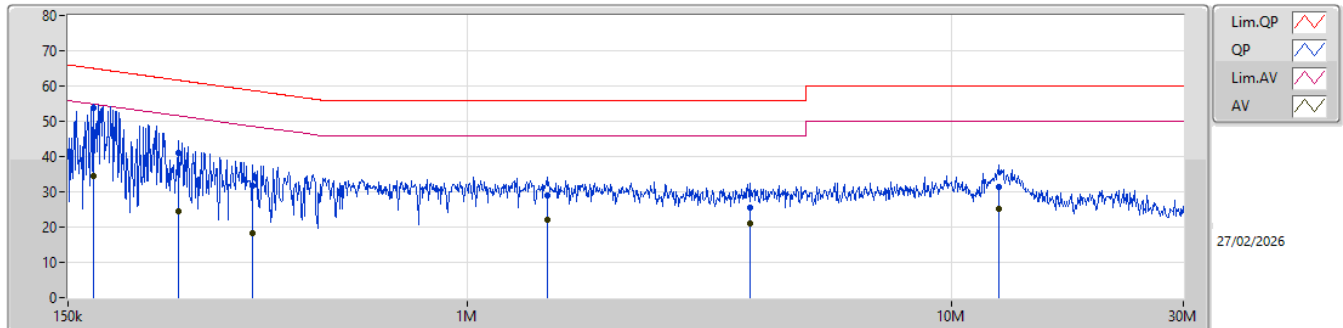
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	158.62k	45.93	65.54	-19.61	19.92	Line	26.01	9.64	0.16	10.12								
AV	158.62k	36.21	55.54	-19.33	19.92	Line	16.29	9.64	0.16	10.12								
QP	254.06k	35.65	61.62	-25.97	19.88	Line	15.77	9.64	0.12	10.12								
AV	254.06k	16.67	51.62	-34.95	19.88	Line	-3.21	9.64	0.12	10.12								
QP	368.28k	34.34	58.54	-24.20	19.85	Line	14.49	9.63	0.10	10.12								
AV	368.28k	33.97	48.54	-14.57	19.85	Line	14.12	9.63	0.10	10.12								
QP	2.05M	25.99	56.00	-30.01	19.82	Line	6.17	9.65	0.04	10.13								
AV	2.05M	22.11	46.00	-23.89	19.82	Line	2.29	9.65	0.04	10.13								
QP	4.99M	18.77	56.00	-37.23	19.96	Line	-1.19	9.67	0.16	10.13								
AV	4.99M	16.45	46.00	-29.55	19.96	Line	-3.51	9.67	0.16	10.13								
QP	6.63M	23.31	60.00	-36.69	20.01	Line	3.30	9.68	0.19	10.14								
AV	6.63M	19.17	50.00	-30.83	20.01	Line	-0.84	9.68	0.19	10.14								

Conducted Emissions at Powerline_Mode 1



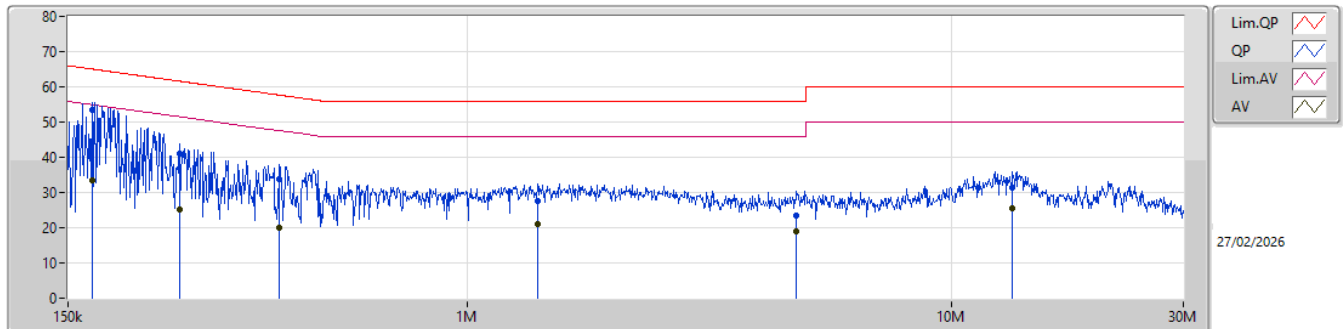
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	155.49k	45.11	65.69	-20.58	19.93	Neutral	25.18	9.64	0.17	10.12								
AV	155.49k	32.66	55.69	-23.03	19.93	Neutral	12.73	9.64	0.17	10.12								
QP	258.15k	35.64	61.49	-25.85	19.87	Neutral	15.77	9.63	0.12	10.12								
AV	258.15k	17.91	51.49	-33.58	19.87	Neutral	-1.96	9.63	0.12	10.12								
QP	369.75k	30.93	58.50	-27.57	19.85	Neutral	11.08	9.63	0.10	10.12								
AV	369.75k	29.60	48.50	-18.90	19.85	Neutral	9.75	9.63	0.10	10.12								
QP	2.74M	18.43	56.00	-37.57	19.86	Neutral	-1.43	9.65	0.08	10.13								
AV	2.74M	15.65	46.00	-30.35	19.86	Neutral	-4.21	9.65	0.08	10.13								
QP	4.54M	19.15	56.00	-36.85	19.95	Neutral	-0.80	9.67	0.15	10.13								
AV	4.54M	16.60	46.00	-29.40	19.95	Neutral	-3.35	9.67	0.15	10.13								
QP	6.66M	41.82	60.00	-18.18	20.01	Neutral	21.81	9.68	0.19	10.14								
AV	6.66M	37.63	50.00	-12.37	20.01	Neutral	17.62	9.68	0.19	10.14								

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	169.76k	53.66	64.97	-11.31	19.91	Line	33.75	9.64	0.15	10.12								
AV	169.76k	34.61	54.97	-20.36	19.91	Line	14.70	9.64	0.15	10.12								
QP	253.05k	41.05	61.66	-20.61	19.88	Line	21.17	9.64	0.12	10.12								
AV	253.05k	24.46	51.66	-27.20	19.88	Line	4.58	9.64	0.12	10.12								
QP	361k	31.57	58.70	-27.13	19.85	Line	11.72	9.63	0.10	10.12								
AV	361k	18.40	48.70	-30.30	19.85	Line	-1.45	9.63	0.10	10.12								
QP	1.46M	29.03	56.00	-26.97	19.83	Line	9.20	9.65	0.05	10.13								
AV	1.46M	22.22	46.00	-23.78	19.83	Line	2.39	9.65	0.05	10.13								
QP	3.84M	25.51	56.00	-30.49	19.91	Line	5.60	9.66	0.12	10.13								
AV	3.84M	21.05	46.00	-24.95	19.91	Line	1.14	9.66	0.12	10.13								
QP	12.5M	31.36	60.00	-28.64	20.11	Line	11.25	9.67	0.31	10.13								
AV	12.5M	25.33	50.00	-24.67	20.11	Line	5.22	9.67	0.31	10.13								

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	168.41k	53.42	65.04	-11.62	19.91	Neutral	33.51	9.64	0.15	10.12								
AV	168.41k	33.32	55.04	-21.72	19.91	Neutral	13.41	9.64	0.15	10.12								
QP	255.08k	41.06	61.58	-20.52	19.87	Neutral	21.19	9.63	0.12	10.12								
AV	255.08k	25.29	51.58	-26.29	19.87	Neutral	5.42	9.63	0.12	10.12								
QP	410.19k	33.83	57.64	-23.81	19.85	Neutral	13.98	9.63	0.10	10.12								
AV	410.19k	20.15	47.64	-27.49	19.85	Neutral	0.30	9.63	0.10	10.12								
QP	1.4M	27.45	56.00	-28.55	19.82	Neutral	7.63	9.64	0.06	10.12								
AV	1.4M	20.88	46.00	-25.12	19.82	Neutral	1.06	9.64	0.06	10.12								
QP	4.78M	23.62	56.00	-32.38	19.95	Neutral	3.67	9.67	0.15	10.13								
AV	4.78M	19.06	46.00	-26.94	19.95	Neutral	-0.89	9.67	0.15	10.13								
QP	13.33M	31.47	60.00	-28.53	20.16	Neutral	11.31	9.70	0.33	10.13								
AV	13.33M	25.41	50.00	-24.59	20.16	Neutral	5.25	9.70	0.33	10.13								



**Conducted Emissions at Powerline_
Radio 1_AIO-DQ15021-RPSMA_AP5022FX**

Appendix A.3

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	6.68M	42.86	50.00	-7.14	Neutral
Mode 2	Pass	QP	161.82k	42.62	65.37	-22.75	Line



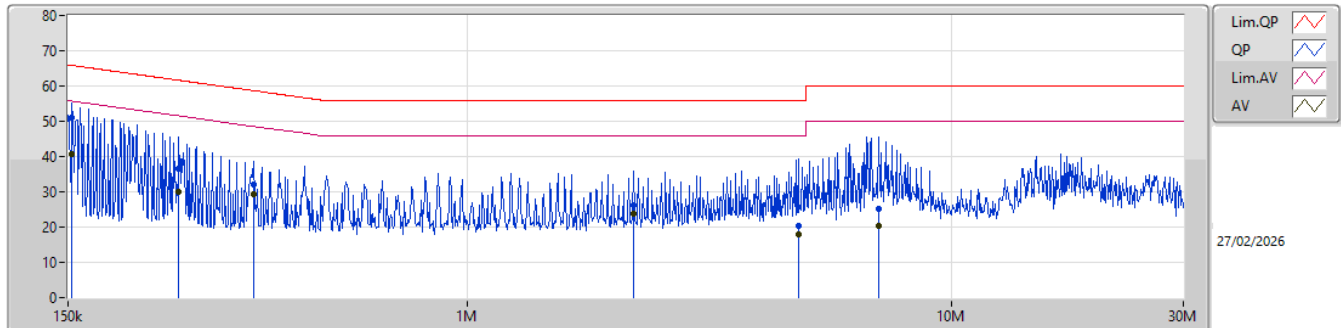
Conducted Emissions at Powerline
Radio 1_AIO-DQ15021-RPSMA_AP5022FX

Appendix A.3

Result

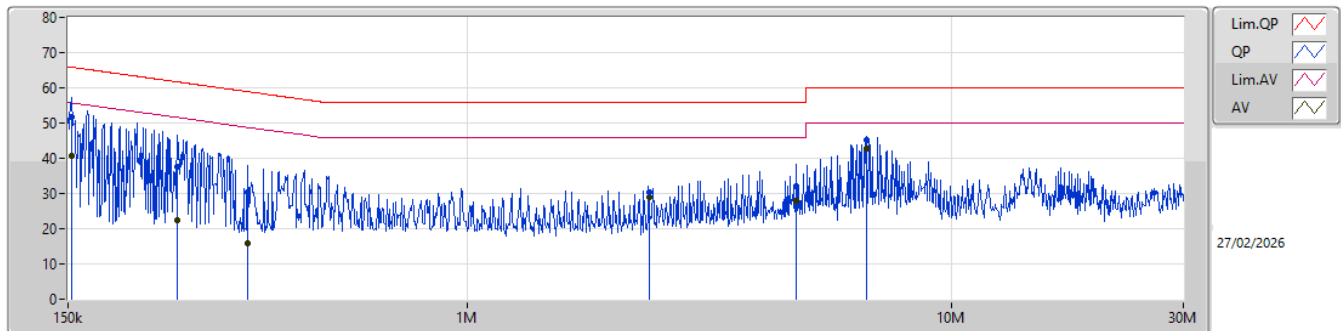
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.02k	50.89	65.83	-14.94	Line
Mode 1	Pass	AV	153.02k	40.65	55.83	-15.18	Line
Mode 1	Pass	QP	254.06k	36.60	61.62	-25.02	Line
Mode 1	Pass	AV	254.06k	30.09	51.62	-21.53	Line
Mode 1	Pass	QP	362.45k	32.19	58.68	-26.49	Line
Mode 1	Pass	AV	362.45k	29.34	48.68	-19.34	Line
Mode 1	Pass	QP	2.2M	26.33	56.00	-29.67	Line
Mode 1	Pass	AV	2.2M	23.88	46.00	-22.12	Line
Mode 1	Pass	QP	4.82M	20.29	56.00	-35.71	Line
Mode 1	Pass	AV	4.82M	17.84	46.00	-28.16	Line
Mode 1	Pass	QP	7.07M	25.32	60.00	-34.68	Line
Mode 1	Pass	AV	7.07M	20.30	50.00	-29.70	Line
Mode 1	Pass	QP	153.02k	51.82	65.83	-14.01	Neutral
Mode 1	Pass	AV	153.02k	40.81	55.83	-15.02	Neutral
Mode 1	Pass	QP	252.04k	37.44	61.70	-24.26	Neutral
Mode 1	Pass	AV	252.04k	22.30	51.70	-29.40	Neutral
Mode 1	Pass	QP	352.46k	30.39	58.91	-28.52	Neutral
Mode 1	Pass	AV	352.46k	15.93	48.91	-32.98	Neutral
Mode 1	Pass	QP	2.37M	30.36	56.00	-25.64	Neutral
Mode 1	Pass	AV	2.37M	29.06	46.00	-16.94	Neutral
Mode 1	Pass	QP	4.78M	31.90	56.00	-24.10	Neutral
Mode 1	Pass	AV	4.78M	28.07	46.00	-17.93	Neutral
Mode 1	Pass	QP	6.68M	45.30	60.00	-14.70	Neutral
Mode 1	Pass	AV	6.68M	42.86	50.00	-7.14	Neutral
Mode 2	Pass	QP	161.82k	42.62	65.37	-22.75	Line
Mode 2	Pass	AV	161.82k	21.32	55.37	-34.05	Line
Mode 2	Pass	QP	252.04k	37.30	61.70	-24.40	Line
Mode 2	Pass	AV	252.04k	22.25	51.70	-29.45	Line
Mode 2	Pass	QP	389.45k	31.11	58.08	-26.97	Line
Mode 2	Pass	AV	389.45k	21.62	48.08	-26.46	Line
Mode 2	Pass	QP	616.35k	30.32	56.00	-25.68	Line
Mode 2	Pass	AV	616.35k	21.99	46.00	-24.01	Line
Mode 2	Pass	QP	3.58M	25.42	56.00	-30.58	Line
Mode 2	Pass	AV	3.58M	20.94	46.00	-25.06	Line
Mode 2	Pass	QP	12.11M	32.22	60.00	-27.78	Line
Mode 2	Pass	AV	12.11M	25.97	50.00	-24.03	Line
Mode 2	Pass	QP	150k	41.75	66.00	-24.25	Neutral
Mode 2	Pass	AV	150k	22.44	56.00	-33.56	Neutral
Mode 2	Pass	QP	251.04k	36.00	61.72	-25.72	Neutral
Mode 2	Pass	AV	251.04k	20.53	51.72	-31.19	Neutral
Mode 2	Pass	QP	402.09k	31.38	57.82	-26.44	Neutral
Mode 2	Pass	AV	402.09k	18.35	47.82	-29.47	Neutral
Mode 2	Pass	QP	2.19M	27.36	56.00	-28.64	Neutral
Mode 2	Pass	AV	2.19M	21.67	46.00	-24.33	Neutral
Mode 2	Pass	QP	4.72M	23.75	56.00	-32.25	Neutral
Mode 2	Pass	AV	4.72M	19.16	46.00	-26.84	Neutral
Mode 2	Pass	QP	13.01M	33.72	60.00	-26.28	Neutral
Mode 2	Pass	AV	13.01M	27.09	50.00	-22.91	Neutral

Conducted Emissions at Powerline_Mode 1



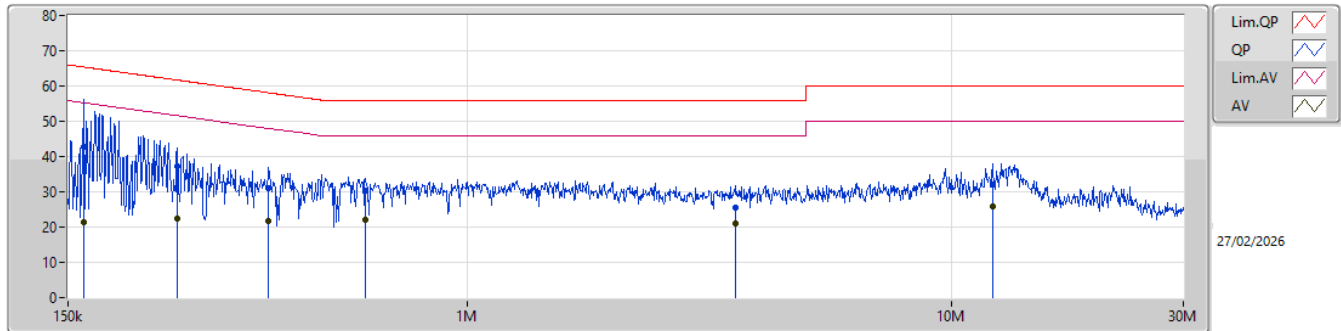
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	153.02k	50.89	65.83	-14.94	19.93	Line	30.96	9.64	0.17	10.12								
AV	153.02k	40.65	55.83	-15.18	19.93	Line	20.72	9.64	0.17	10.12								
QP	254.06k	36.60	61.62	-25.02	19.88	Line	16.72	9.64	0.12	10.12								
AV	254.06k	30.09	51.62	-21.53	19.88	Line	10.21	9.64	0.12	10.12								
QP	362.45k	32.19	58.68	-26.49	19.85	Line	12.34	9.63	0.10	10.12								
AV	362.45k	29.34	48.68	-19.34	19.85	Line	9.49	9.63	0.10	10.12								
QP	2.2M	26.33	56.00	-29.67	19.83	Line	6.50	9.65	0.05	10.13								
AV	2.2M	23.88	46.00	-22.12	19.83	Line	4.05	9.65	0.05	10.13								
QP	4.82M	20.29	56.00	-35.71	19.95	Line	0.34	9.67	0.15	10.13								
AV	4.82M	17.84	46.00	-28.16	19.95	Line	-2.11	9.67	0.15	10.13								
QP	7.07M	25.32	60.00	-34.68	20.02	Line	5.30	9.68	0.20	10.14								
AV	7.07M	20.30	50.00	-29.70	20.02	Line	0.28	9.68	0.20	10.14								

Conducted Emissions at Powerline_Mode 1



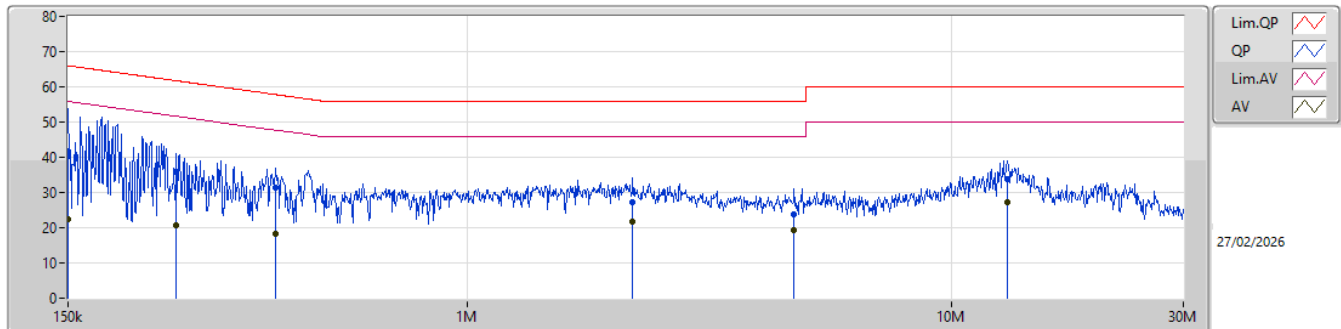
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	153.02k	51.82	65.83	-14.01	19.93	Neutral	31.89	9.64	0.17	10.12								
AV	153.02k	40.81	55.83	-15.02	19.93	Neutral	20.88	9.64	0.17	10.12								
QP	252.04k	37.44	61.70	-24.26	19.87	Neutral	17.57	9.63	0.12	10.12								
AV	252.04k	22.30	51.70	-29.40	19.87	Neutral	2.43	9.63	0.12	10.12								
QP	352.46k	30.39	58.91	-28.52	19.86	Neutral	10.53	9.63	0.11	10.12								
AV	352.46k	15.93	48.91	-32.98	19.86	Neutral	-3.93	9.63	0.11	10.12								
QP	2.37M	30.36	56.00	-25.64	19.84	Neutral	10.52	9.65	0.06	10.13								
AV	2.37M	29.06	46.00	-16.94	19.84	Neutral	9.22	9.65	0.06	10.13								
QP	4.78M	31.90	56.00	-24.10	19.95	Neutral	11.95	9.67	0.15	10.13								
AV	4.78M	28.07	46.00	-17.93	19.95	Neutral	8.12	9.67	0.15	10.13								
QP	6.68M	45.30	60.00	-14.70	20.01	Neutral	25.29	9.68	0.19	10.14								
AV	6.68M	42.86	50.00	-7.14	20.01	Neutral	22.85	9.68	0.19	10.14								

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	161.82k	42.62	65.37	-22.75	19.92	Line	22.70	9.64	0.16	10.12
AV	161.82k	21.32	55.37	-34.05	19.92	Line	1.40	9.64	0.16	10.12
QP	252.04k	37.30	61.70	-24.40	19.88	Line	17.42	9.64	0.12	10.12
AV	252.04k	22.25	51.70	-29.45	19.88	Line	2.37	9.64	0.12	10.12
QP	389.45k	31.11	58.08	-26.97	19.85	Line	11.26	9.63	0.10	10.12
AV	389.45k	21.62	48.08	-26.46	19.85	Line	1.77	9.63	0.10	10.12
QP	616.35k	30.32	56.00	-25.68	19.84	Line	10.48	9.63	0.09	10.12
AV	616.35k	21.99	46.00	-24.01	19.84	Line	2.15	9.63	0.09	10.12
QP	3.58M	25.42	56.00	-30.58	19.91	Line	5.51	9.66	0.12	10.13
AV	3.58M	20.94	46.00	-25.06	19.91	Line	1.03	9.66	0.12	10.13
QP	12.11M	32.22	60.00	-27.78	20.11	Line	12.11	9.67	0.30	10.14
AV	12.11M	25.97	50.00	-24.03	20.11	Line	5.86	9.67	0.30	10.14

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	150k	41.75	66.00	-24.25	19.93	Neutral	21.82	9.64	0.17	10.12
AV	150k	22.44	56.00	-33.56	19.93	Neutral	2.51	9.64	0.17	10.12
QP	251.04k	36.00	61.72	-25.72	19.87	Neutral	16.13	9.63	0.12	10.12
AV	251.04k	20.53	51.72	-31.19	19.87	Neutral	0.66	9.63	0.12	10.12
QP	402.09k	31.38	57.82	-26.44	19.85	Neutral	11.53	9.63	0.10	10.12
AV	402.09k	18.35	47.82	-29.47	19.85	Neutral	-1.50	9.63	0.10	10.12
QP	2.19M	27.36	56.00	-28.64	19.83	Neutral	7.53	9.65	0.05	10.13
AV	2.19M	21.67	46.00	-24.33	19.83	Neutral	1.84	9.65	0.05	10.13
QP	4.72M	23.75	56.00	-32.25	19.95	Neutral	3.80	9.67	0.15	10.13
AV	4.72M	19.16	46.00	-26.84	19.95	Neutral	-0.79	9.67	0.15	10.13
QP	13.01M	33.72	60.00	-26.28	20.15	Neutral	13.57	9.70	0.32	10.13
AV	13.01M	27.09	50.00	-22.91	20.15	Neutral	6.94	9.70	0.32	10.13

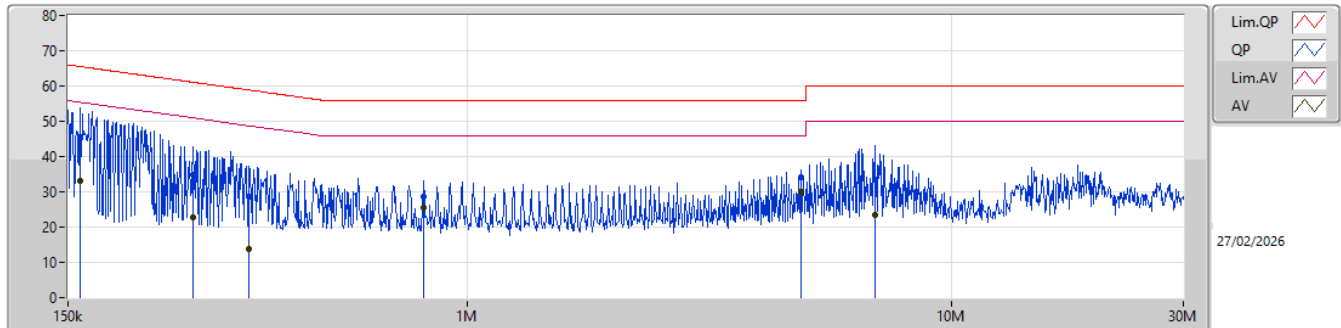
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	4.93M	31.18	46.00	-14.82	Neutral
Mode 2	Pass	QP	150k	49.25	66.00	-16.75	Neutral

Result

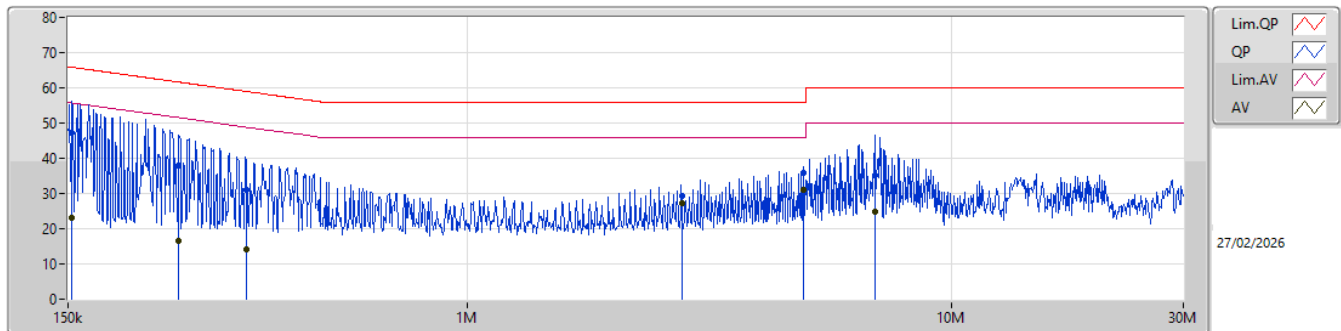
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	158.62k	45.40	65.54	-20.14	Line
Mode 1	Pass	AV	158.62k	33.00	55.54	-22.54	Line
Mode 1	Pass	QP	271.9k	34.93	61.07	-26.14	Line
Mode 1	Pass	AV	271.9k	22.72	51.07	-28.35	Line
Mode 1	Pass	QP	353.87k	28.75	58.87	-30.12	Line
Mode 1	Pass	AV	353.87k	13.81	48.87	-35.06	Line
Mode 1	Pass	QP	811.81k	28.46	56.00	-27.54	Line
Mode 1	Pass	AV	811.81k	25.62	46.00	-20.38	Line
Mode 1	Pass	QP	4.87M	34.28	56.00	-21.72	Line
Mode 1	Pass	AV	4.87M	29.86	46.00	-16.14	Line
Mode 1	Pass	QP	6.93M	33.28	60.00	-26.72	Line
Mode 1	Pass	AV	6.93M	23.55	50.00	-26.45	Line
Mode 1	Pass	QP	153.02k	47.23	65.83	-18.60	Neutral
Mode 1	Pass	AV	153.02k	23.18	55.83	-32.65	Neutral
Mode 1	Pass	QP	254.06k	37.97	61.62	-23.65	Neutral
Mode 1	Pass	AV	254.06k	16.70	51.62	-34.92	Neutral
Mode 1	Pass	QP	351.05k	31.08	58.94	-27.86	Neutral
Mode 1	Pass	AV	351.05k	14.05	48.94	-34.89	Neutral
Mode 1	Pass	QP	2.77M	29.41	56.00	-26.59	Neutral
Mode 1	Pass	AV	2.77M	27.24	46.00	-18.76	Neutral
Mode 1	Pass	QP	4.93M	35.83	56.00	-20.17	Neutral
Mode 1	Pass	AV	4.93M	31.18	46.00	-14.82	Neutral
Mode 1	Pass	QP	6.93M	35.11	60.00	-24.89	Neutral
Mode 1	Pass	AV	6.93M	24.67	50.00	-25.33	Neutral
Mode 2	Pass	QP	151.81k	47.00	65.90	-18.90	Line
Mode 2	Pass	AV	151.81k	28.51	55.90	-27.39	Line
Mode 2	Pass	QP	252.04k	33.98	61.70	-27.72	Line
Mode 2	Pass	AV	252.04k	21.01	51.70	-30.69	Line
Mode 2	Pass	QP	440.75k	25.27	57.05	-31.78	Line
Mode 2	Pass	AV	440.75k	17.90	47.05	-29.15	Line
Mode 2	Pass	QP	2.03M	19.03	56.00	-36.97	Line
Mode 2	Pass	AV	2.03M	16.33	46.00	-29.67	Line
Mode 2	Pass	QP	2.81M	18.89	56.00	-37.11	Line
Mode 2	Pass	AV	2.81M	16.10	46.00	-29.90	Line
Mode 2	Pass	QP	12.66M	24.80	60.00	-35.20	Line
Mode 2	Pass	AV	12.66M	20.36	50.00	-29.64	Line
Mode 2	Pass	QP	150k	49.25	66.00	-16.75	Neutral
Mode 2	Pass	AV	150k	30.13	56.00	-25.87	Neutral
Mode 2	Pass	QP	252.04k	34.75	61.70	-26.95	Neutral
Mode 2	Pass	AV	252.04k	20.15	51.70	-31.55	Neutral
Mode 2	Pass	QP	440.75k	29.57	57.05	-27.48	Neutral
Mode 2	Pass	AV	440.75k	19.86	47.05	-27.19	Neutral
Mode 2	Pass	QP	1.07M	20.42	56.00	-35.58	Neutral
Mode 2	Pass	AV	1.07M	16.82	46.00	-29.18	Neutral
Mode 2	Pass	QP	2.95M	18.60	56.00	-37.40	Neutral
Mode 2	Pass	AV	2.95M	16.04	46.00	-29.96	Neutral
Mode 2	Pass	QP	13.17M	25.61	60.00	-34.39	Neutral
Mode 2	Pass	AV	13.17M	20.78	50.00	-29.22	Neutral

Conducted Emissions at Powerline_Mode 1



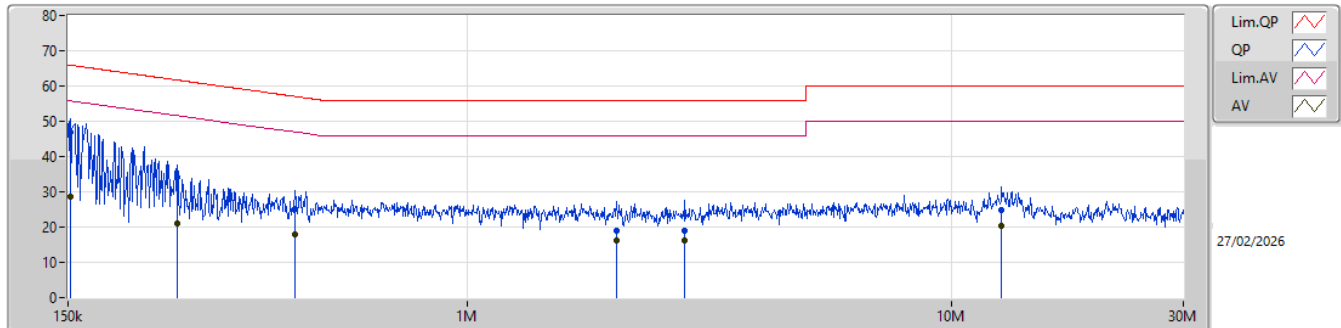
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	158.62k	45.40	65.54	-20.14	19.92	Line	25.48	9.64	0.16	10.12								
AV	158.62k	33.00	55.54	-22.54	19.92	Line	13.08	9.64	0.16	10.12								
QP	271.9k	34.93	61.07	-26.14	19.88	Line	15.05	9.64	0.12	10.12								
AV	271.9k	22.72	51.07	-28.35	19.88	Line	2.84	9.64	0.12	10.12								
QP	353.87k	28.75	58.87	-30.12	19.86	Line	8.89	9.63	0.11	10.12								
AV	353.87k	13.81	48.87	-35.06	19.86	Line	-6.05	9.63	0.11	10.12								
QP	811.81k	28.46	56.00	-27.54	19.84	Line	8.62	9.64	0.08	10.12								
AV	811.81k	25.62	46.00	-20.38	19.84	Line	5.78	9.64	0.08	10.12								
QP	4.87M	34.28	56.00	-21.72	19.95	Line	14.33	9.67	0.15	10.13								
AV	4.87M	29.86	46.00	-16.14	19.95	Line	9.91	9.67	0.15	10.13								
QP	6.93M	33.28	60.00	-26.72	20.02	Line	13.26	9.68	0.20	10.14								
AV	6.93M	23.55	50.00	-26.45	20.02	Line	3.53	9.68	0.20	10.14								

Conducted Emissions at Powerline_Mode 1



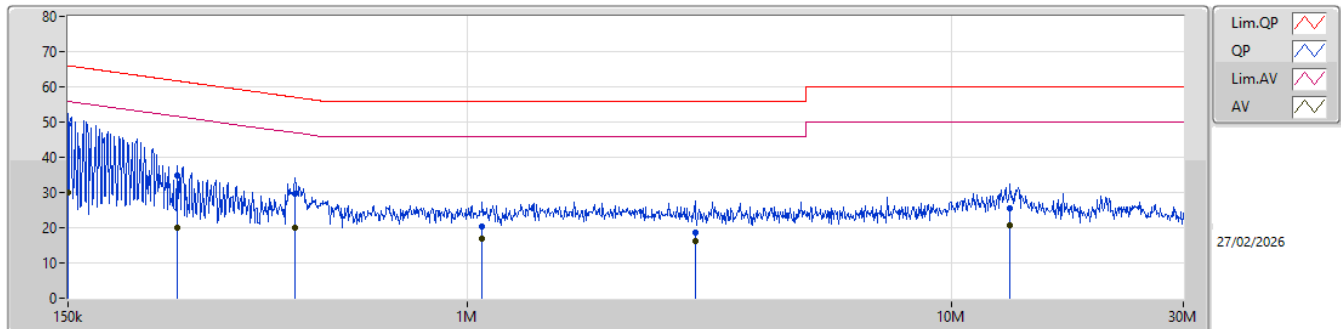
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	153.02k	47.23	65.83	-18.60	19.93	Neutral	27.30	9.64	0.17	10.12								
AV	153.02k	23.18	55.83	-32.65	19.93	Neutral	3.25	9.64	0.17	10.12								
QP	254.06k	37.97	61.62	-23.65	19.87	Neutral	18.10	9.63	0.12	10.12								
AV	254.06k	16.70	51.62	-34.92	19.87	Neutral	-3.17	9.63	0.12	10.12								
QP	351.05k	31.08	58.94	-27.86	19.86	Neutral	11.22	9.63	0.11	10.12								
AV	351.05k	14.05	48.94	-34.89	19.86	Neutral	-5.81	9.63	0.11	10.12								
QP	2.77M	29.41	56.00	-26.59	19.86	Neutral	9.55	9.65	0.08	10.13								
AV	2.77M	27.24	46.00	-18.76	19.86	Neutral	7.38	9.65	0.08	10.13								
QP	4.93M	35.83	56.00	-20.17	19.96	Neutral	15.87	9.67	0.16	10.13								
AV	4.93M	31.18	46.00	-14.82	19.96	Neutral	11.22	9.67	0.16	10.13								
QP	6.93M	35.11	60.00	-24.89	20.02	Neutral	15.09	9.68	0.20	10.14								
AV	6.93M	24.67	50.00	-25.33	20.02	Neutral	4.65	9.68	0.20	10.14								

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	151.81k	47.00	65.90	-18.90	19.93	Line	27.07	9.64	0.17	10.12
AV	151.81k	28.51	55.90	-27.39	19.93	Line	8.58	9.64	0.17	10.12
QP	252.04k	33.98	61.70	-27.72	19.88	Line	14.10	9.64	0.12	10.12
AV	252.04k	21.01	51.70	-30.69	19.88	Line	1.13	9.64	0.12	10.12
QP	440.75k	25.27	57.05	-31.78	19.85	Line	5.42	9.63	0.10	10.12
AV	440.75k	17.90	47.05	-29.15	19.85	Line	-1.95	9.63	0.10	10.12
QP	2.03M	19.03	56.00	-36.97	19.82	Line	-0.79	9.65	0.04	10.13
AV	2.03M	16.33	46.00	-29.67	19.82	Line	-3.49	9.65	0.04	10.13
QP	2.81M	18.89	56.00	-37.11	19.86	Line	-0.97	9.65	0.08	10.13
AV	2.81M	16.10	46.00	-29.90	19.86	Line	-3.76	9.65	0.08	10.13
QP	12.66M	24.80	60.00	-35.20	20.11	Line	4.69	9.67	0.31	10.13
AV	12.66M	20.36	50.00	-29.64	20.11	Line	0.25	9.67	0.31	10.13

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	150k	49.25	66.00	-16.75	19.93	Neutral	29.32	9.64	0.17	10.12
AV	150k	30.13	56.00	-25.87	19.93	Neutral	10.20	9.64	0.17	10.12
QP	252.04k	34.75	61.70	-26.95	19.87	Neutral	14.88	9.63	0.12	10.12
AV	252.04k	20.15	51.70	-31.55	19.87	Neutral	0.28	9.63	0.12	10.12
QP	440.75k	29.57	57.05	-27.48	19.85	Neutral	9.72	9.63	0.10	10.12
AV	440.75k	19.86	47.05	-27.19	19.85	Neutral	0.01	9.63	0.10	10.12
QP	1.07M	20.42	56.00	-35.58	19.83	Neutral	0.59	9.64	0.07	10.12
AV	1.07M	16.82	46.00	-29.18	19.83	Neutral	-3.01	9.64	0.07	10.12
QP	2.95M	18.60	56.00	-37.40	19.88	Neutral	-1.28	9.66	0.09	10.13
AV	2.95M	16.04	46.00	-29.96	19.88	Neutral	-3.84	9.66	0.09	10.13
QP	13.17M	25.61	60.00	-34.39	20.15	Neutral	5.46	9.70	0.32	10.13
AV	13.17M	20.78	50.00	-29.22	20.15	Neutral	0.63	9.70	0.32	10.13



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.315M	11.589M	11M6G1D	7.315M	10.389M
802.11g_Nss1,(6Mbps)_1TX	16.5M	17.688M	17M7D1D	16.17M	17.329M
802.11be EHT20_Nss1,(MCS0)_1TX	19.03M	19.47M	19M5D1D	18.92M	19.31M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.315M	11.589M
2437MHz	Pass	500k	7.315M	10.389M
2462MHz	Pass	500k	7.315M	10.66M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.445M	17.688M
2437MHz	Pass	500k	16.17M	17.421M
2462MHz	Pass	500k	16.5M	17.329M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	19.03M	19.369M
2437MHz	Pass	500k	18.92M	19.47M
2462MHz	Pass	500k	18.92M	19.31M

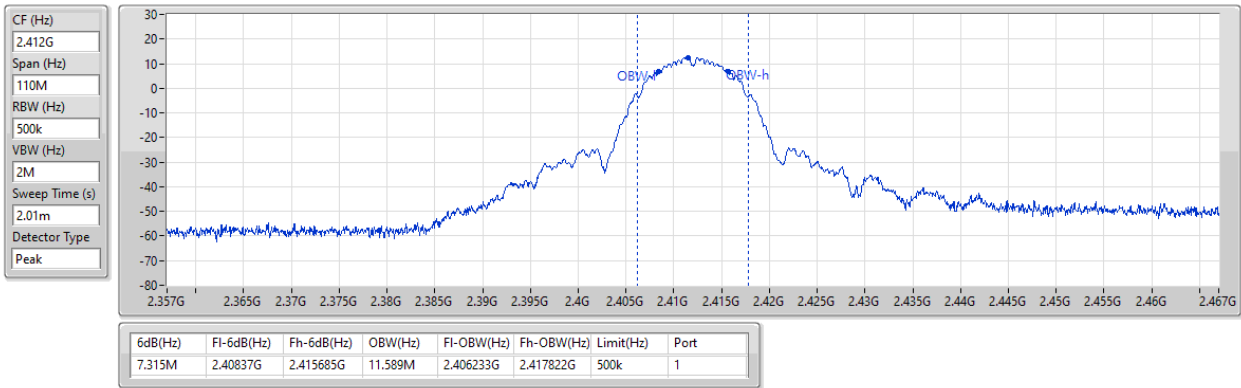
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

18/12/2025

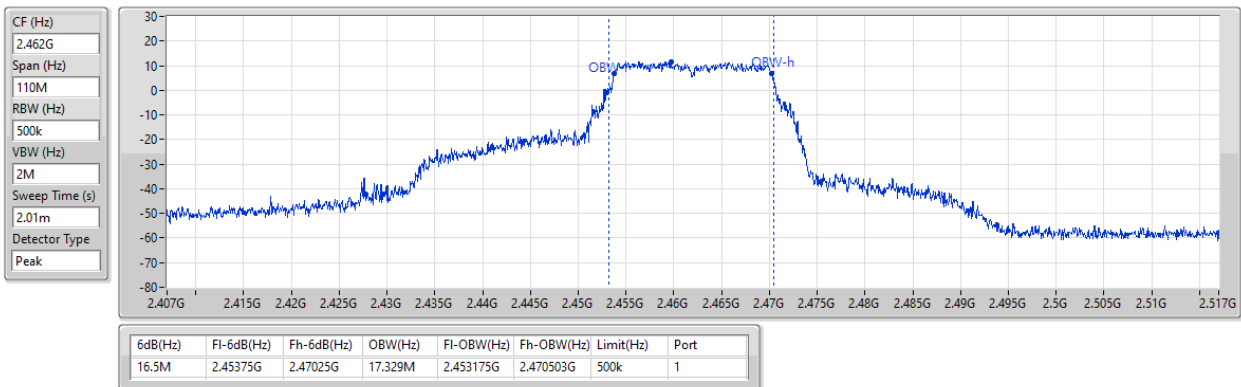


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2462MHz

18/12/2025



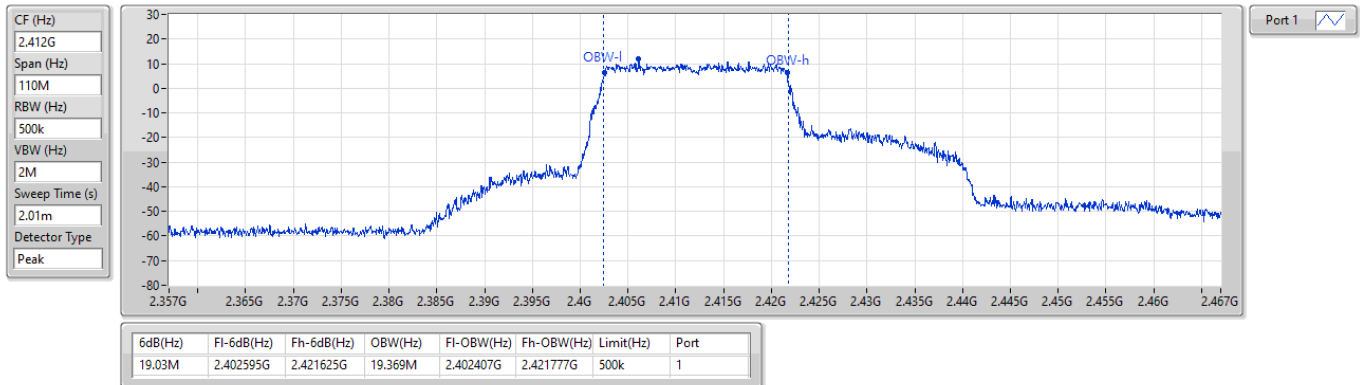


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

2412MHz

18/12/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.37M	11.599M	11M6G1D	7.315M	10.379M
802.11g_Nss1,(6Mbps)_2TX	16.72M	17.441M	17M4D1D	16.39M	17.108M
802.11be EHT20_Nss1,(MCS0)_2TX	18.975M	19.452M	19M5D1D	18.755M	19.173M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.315M	11.599M	7.315M	10.942M
2437MHz	Pass	500k	7.315M	10.379M	7.315M	10.586M
2462MHz	Pass	500k	7.315M	10.66M	7.37M	10.504M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.445M	17.318M	16.445M	17.108M
2437MHz	Pass	500k	16.445M	17.356M	16.445M	17.273M
2462MHz	Pass	500k	16.72M	17.441M	16.39M	17.33M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.173M	18.92M	19.289M
2437MHz	Pass	500k	18.755M	19.284M	18.92M	19.452M
2462MHz	Pass	500k	18.755M	19.303M	18.81M	19.203M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

18/12/2025

CF (Hz)
2.462G

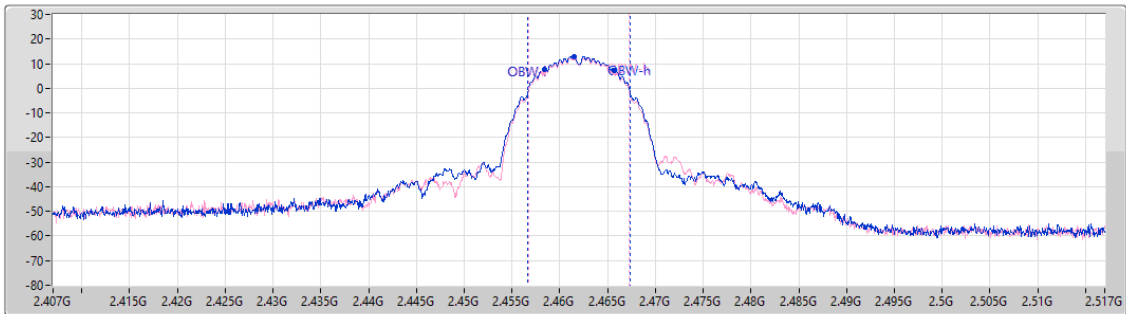
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.315M	2.45837G	2.465685G	10.66M	2.45666G	2.46732G	500k	1
7.37M	2.458315G	2.465685G	10.504M	2.45674G	2.467244G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

18/12/2025

CF (Hz)
2.462G

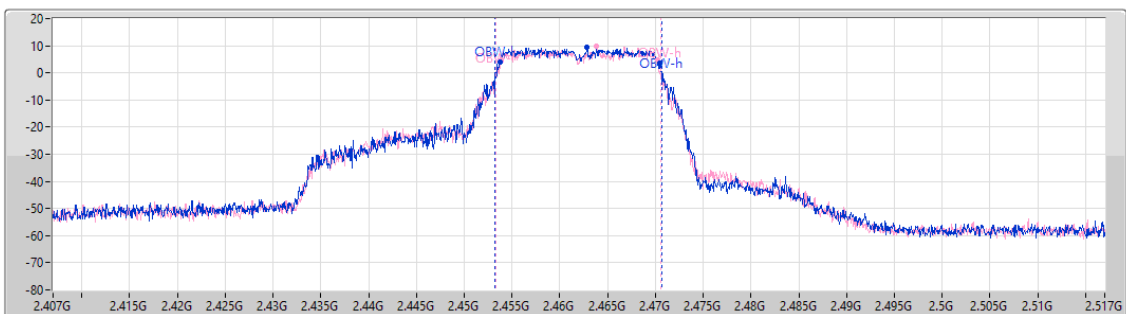
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



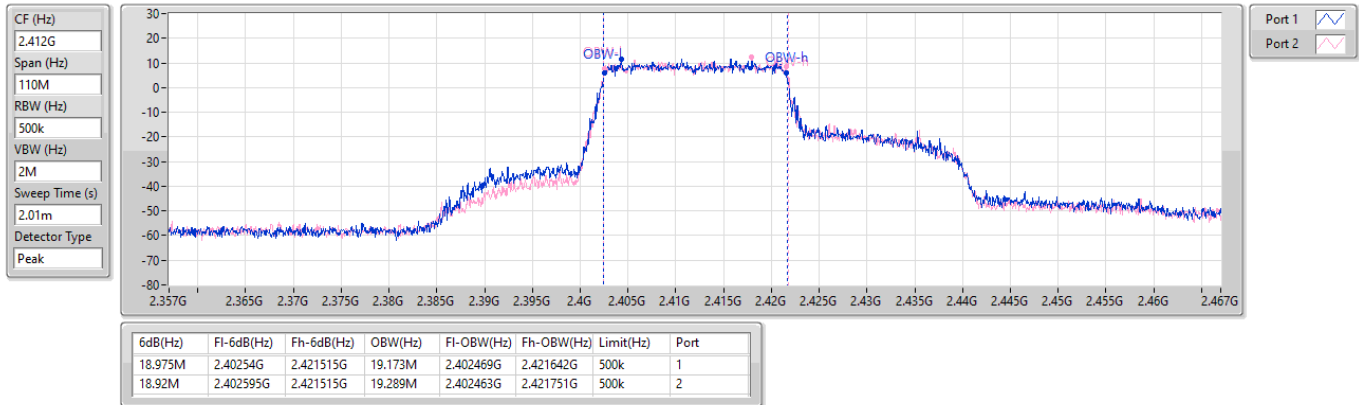
6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.72M	2.45375G	2.47047G	17.441M	2.453248G	2.470689G	500k	1
16.39M	2.45386G	2.47025G	17.33M	2.453269G	2.4706G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2412MHz

18/12/2025





**EBW_Non-Beamforming_
Radio 1_AI-TP05360_2T2S_AP5022FX**

Appendix B.3

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	19.085M	19.445M	19M4D1D	18.7M	19.215M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.085M	19.445M	18.81M	19.244M
2437MHz	Pass	500k	18.865M	19.366M	18.7M	19.273M
2462MHz	Pass	500k	18.865M	19.215M	18.975M	19.268M

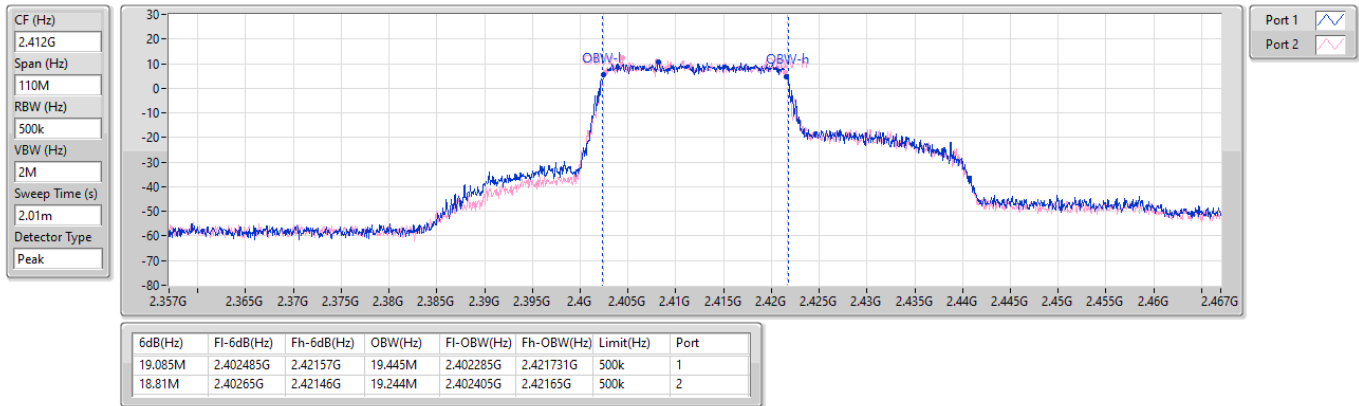
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

2412MHz

18/12/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.37M	11.761M	11M8G1D	7.26M	10.375M
802.11g_Nss1,(6Mbps)_4TX	16.72M	17.56M	17M6D1D	16.28M	17.22M
802.11be EHT20_Nss1,(MCS0)_4TX	19.305M	19.347M	19M3D1D	18.48M	19.179M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.37M	11.761M	7.315M	10.949M	7.315M	10.682M	7.315M	10.873M
2437MHz	Pass	500k	7.315M	10.388M	7.315M	10.559M	7.315M	11.21M	7.37M	10.739M
2462MHz	Pass	500k	7.315M	10.659M	7.315M	10.494M	7.315M	10.375M	7.26M	10.605M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.39M	17.419M	16.39M	17.471M	16.5M	17.448M	16.335M	17.34M
2437MHz	Pass	500k	16.445M	17.53M	16.5M	17.479M	16.445M	17.56M	16.5M	17.471M
2462MHz	Pass	500k	16.61M	17.493M	16.72M	17.486M	16.39M	17.22M	16.28M	17.318M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.865M	19.265M	18.7M	19.314M	18.92M	19.179M	18.865M	19.207M
2437MHz	Pass	500k	19.085M	19.256M	19.305M	19.324M	18.48M	19.333M	18.975M	19.223M
2462MHz	Pass	500k	18.865M	19.347M	18.92M	19.292M	18.81M	19.305M	18.7M	19.233M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

18/12/2025

CF (Hz)
2.412G

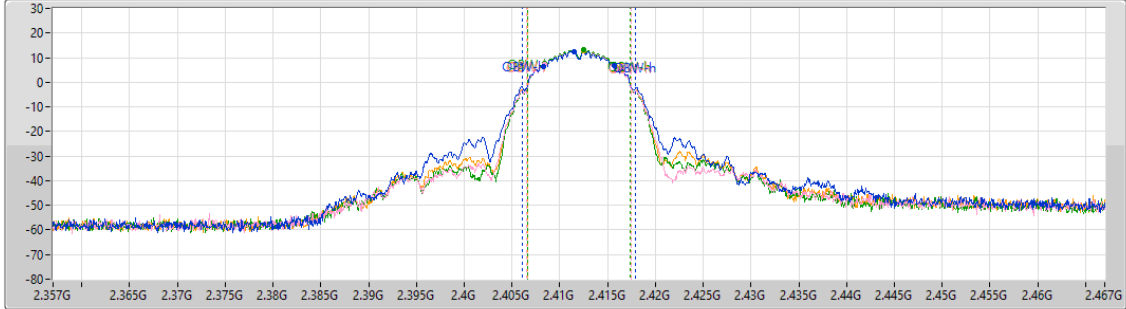
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.37M	2.408315G	2.415685G	11.761M	2.406137G	2.417898G	500k	1
7.315M	2.40837G	2.415685G	10.949M	2.406548G	2.417496G	500k	2
7.315M	2.40837G	2.415685G	10.682M	2.406688G	2.417371G	500k	3
7.315M	2.40837G	2.415685G	10.873M	2.406615G	2.417488G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2462MHz

18/12/2025

CF (Hz)
2.462G

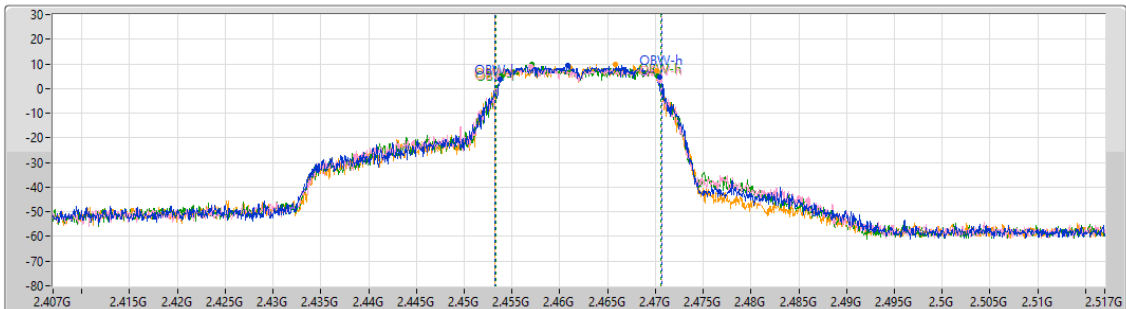
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



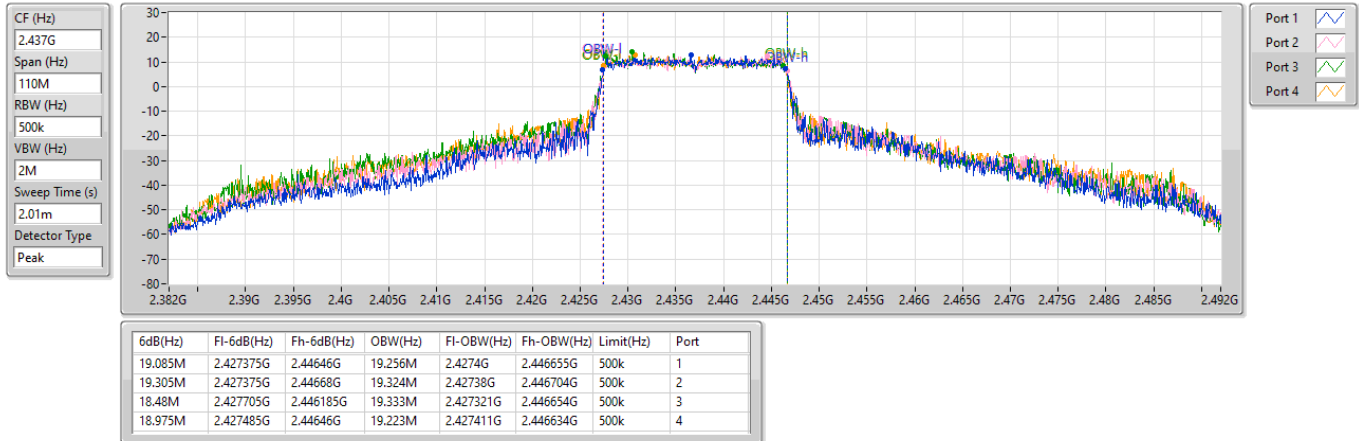
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.61M	2.453805G	2.470415G	17.493M	2.453205G	2.470698G	500k	1
16.72M	2.453695G	2.470415G	17.486M	2.453178G	2.470664G	500k	2
16.39M	2.45386G	2.47025G	17.22M	2.453337G	2.470557G	500k	3
16.28M	2.453805G	2.470085G	17.318M	2.453253G	2.470571G	500k	4

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

2437MHz

18/12/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss4,(MCS0)_4TX	19.195M	19.427M	19M4D1D	18.81M	19.227M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



EBW_Non-Beamforming_ Radio 1_AI-TP05360_4T4S_AP5022FX

Appendix B.5

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.865M	19.232M	19.195M	19.301M	18.92M	19.373M	18.865M	19.271M
2437MHz	Pass	500k	18.81M	19.343M	19.14M	19.293M	18.865M	19.407M	18.975M	19.411M
2462MHz	Pass	500k	18.81M	19.227M	19.085M	19.271M	19.14M	19.427M	19.03M	19.305M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

2412MHz

CF (Hz)
2.412G

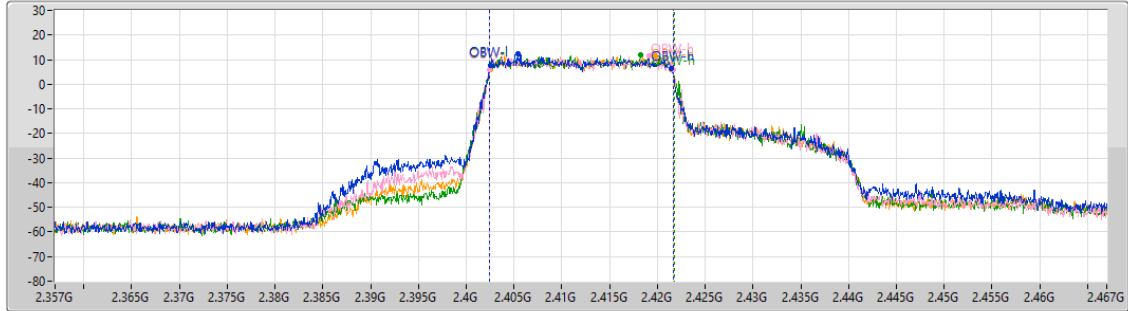
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



18/12/2025

Port 1 

Port 2 

Port 3 

Port 4 

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.865M	2.402595G	2.42146G	19.232M	2.402399G	2.421631G	500k	1
19.195M	2.402485G	2.42168G	19.301M	2.402398G	2.421699G	500k	2
18.92M	2.40254G	2.42146G	19.373M	2.402407G	2.42178G	500k	3
18.865M	2.402595G	2.42146G	19.271M	2.40242G	2.421691G	500k	4



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.7M	11.703M	11M7G1D	7.315M	10.377M
802.11g_Nss1,(6Mbps)_1TX	16.445M	17.364M	17M4D1D	16.28M	17.317M
802.11be EHT20_Nss1,(MCS0)_1TX	19.085M	19.365M	19M4D1D	19.03M	19.279M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.7M	11.703M
2437MHz	Pass	500k	7.315M	10.377M
2462MHz	Pass	500k	7.37M	10.653M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.445M	17.364M
2437MHz	Pass	500k	16.28M	17.317M
2462MHz	Pass	500k	16.39M	17.353M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	19.085M	19.365M
2437MHz	Pass	500k	19.085M	19.279M
2462MHz	Pass	500k	19.03M	19.309M

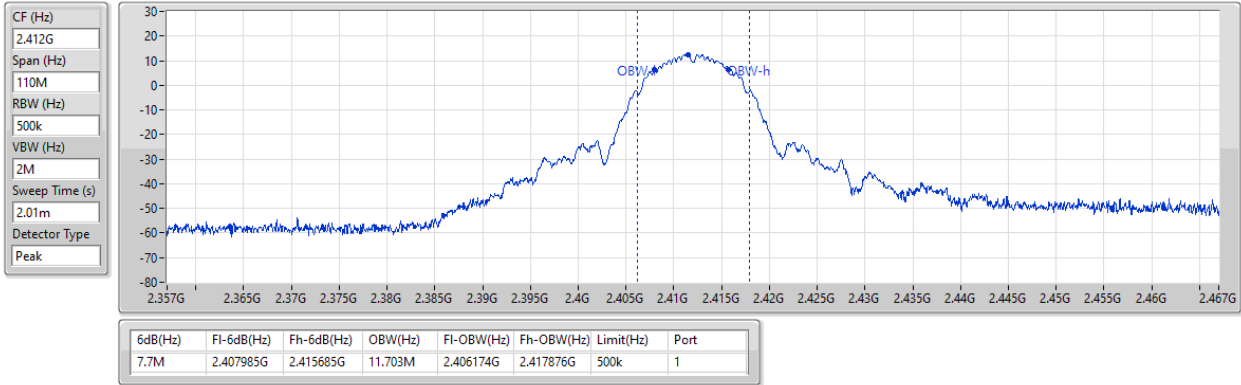
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

18/12/2025

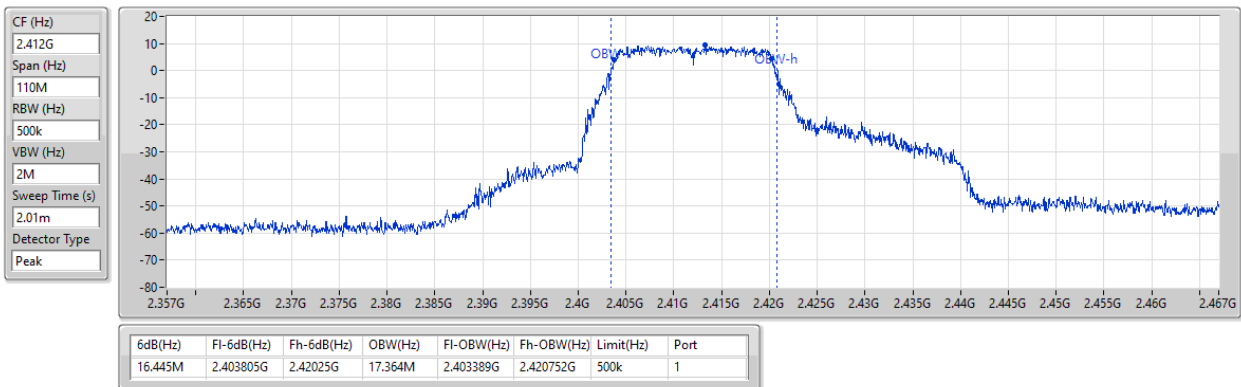


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

18/12/2025





2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

2412MHz

18/12/2025

CF (Hz)
2.412G

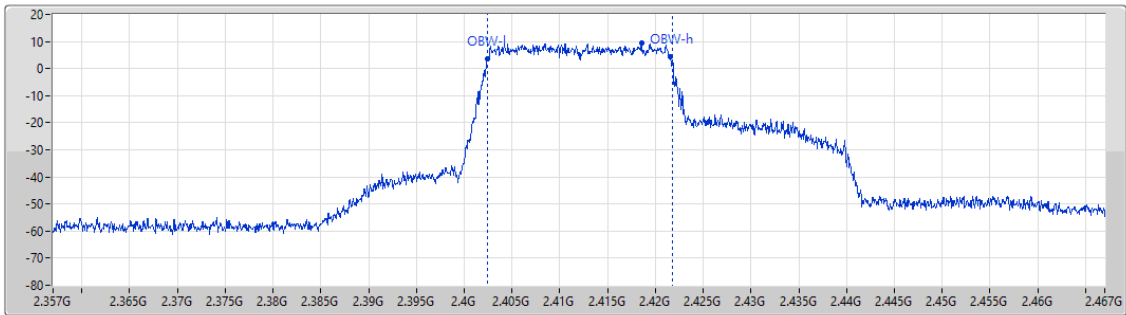
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



Port 1

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.085M	2.402485G	2.42157G	19.365M	2.402403G	2.421768G	500k	1



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.37M	11.718M	11M7G1D	7.315M	10.389M
802.11g_Nss1,(6Mbps)_2TX	16.83M	17.457M	17M5D1D	16.335M	17.072M
802.11be EHT20_Nss1,(MCS0)_2TX	19.14M	19.388M	19M4D1D	18.81M	19.174M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.315M	11.718M	7.37M	10.975M
2437MHz	Pass	500k	7.315M	10.389M	7.315M	10.517M
2462MHz	Pass	500k	7.37M	10.663M	7.315M	10.482M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.83M	17.396M	16.555M	17.072M
2437MHz	Pass	500k	16.5M	17.355M	16.335M	17.199M
2462MHz	Pass	500k	16.665M	17.457M	16.555M	17.275M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.388M	19.14M	19.386M
2437MHz	Pass	500k	18.81M	19.245M	18.81M	19.174M
2462MHz	Pass	500k	19.03M	19.345M	19.085M	19.317M

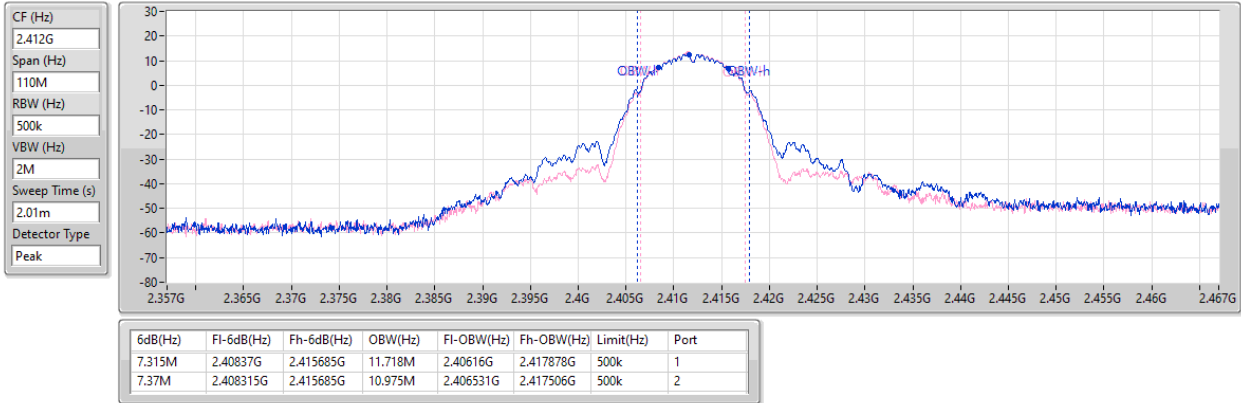
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

18/12/2025

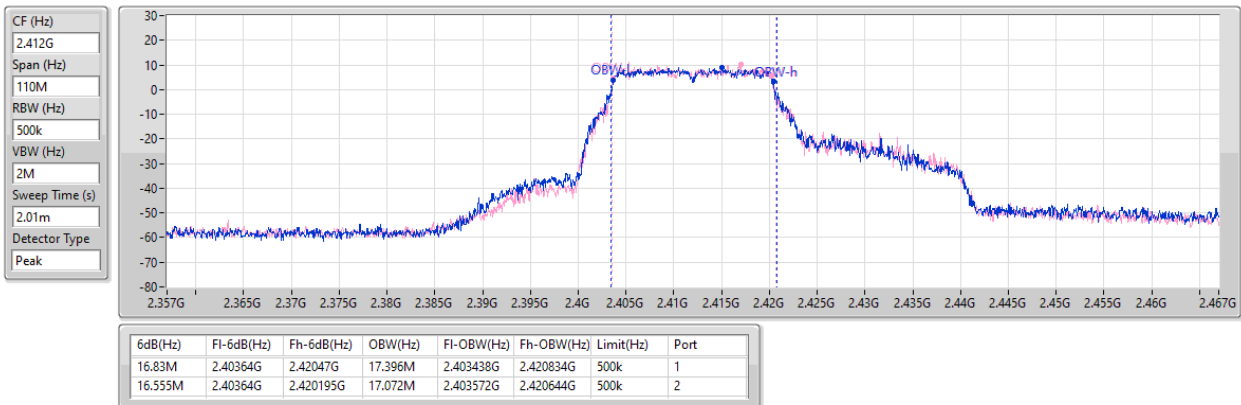


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

18/12/2025



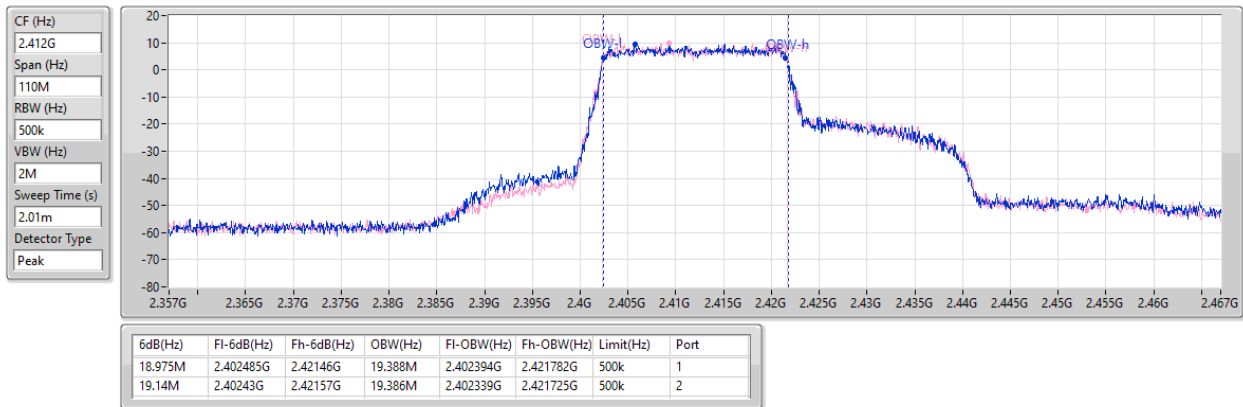


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2412MHz

18/12/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	19.14M	19.305M	19M3D1D	18.7M	19.192M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.14M	19.205M	18.865M	19.299M
2437MHz	Pass	500k	19.14M	19.231M	18.755M	19.305M
2462MHz	Pass	500k	18.7M	19.192M	18.92M	19.284M

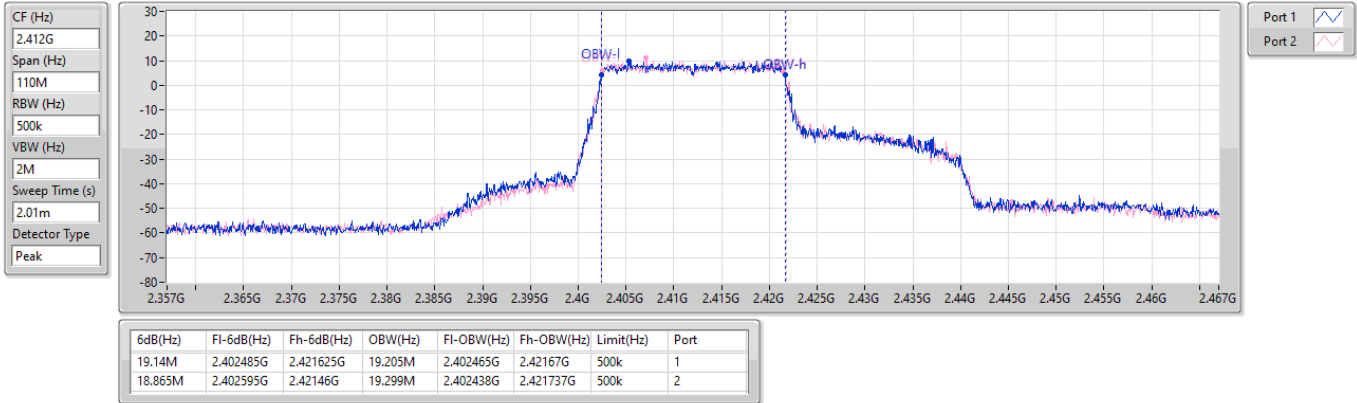
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

2412MHz

18/12/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.37M	11.704M	11M7G1D	7.315M	10.384M
802.11g_Nss1,(6Mbps)_4TX	16.775M	17.525M	17M5D1D	16.335M	17.138M
802.11be EHT20_Nss1,(MCS0)_4TX	19.25M	19.4M	19M4D1D	18.755M	19.186M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.37M	11.704M	7.37M	10.94M	7.315M	10.74M	7.315M	10.915M
2437MHz	Pass	500k	7.315M	10.392M	7.315M	10.563M	7.315M	11.235M	7.37M	10.71M
2462MHz	Pass	500k	7.315M	10.599M	7.315M	10.507M	7.315M	10.384M	7.315M	10.5M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.61M	17.525M	16.445M	17.338M	16.39M	17.321M	16.555M	17.332M
2437MHz	Pass	500k	16.775M	17.259M	16.5M	17.273M	16.39M	17.222M	16.72M	17.26M
2462MHz	Pass	500k	16.335M	17.366M	16.5M	17.422M	16.61M	17.483M	16.445M	17.138M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.755M	19.267M	18.92M	19.379M	19.085M	19.332M	19.03M	19.186M
2437MHz	Pass	500k	18.92M	19.194M	18.81M	19.331M	18.755M	19.27M	19.14M	19.275M
2462MHz	Pass	500k	19.03M	19.221M	19.25M	19.4M	18.975M	19.267M	18.865M	19.252M

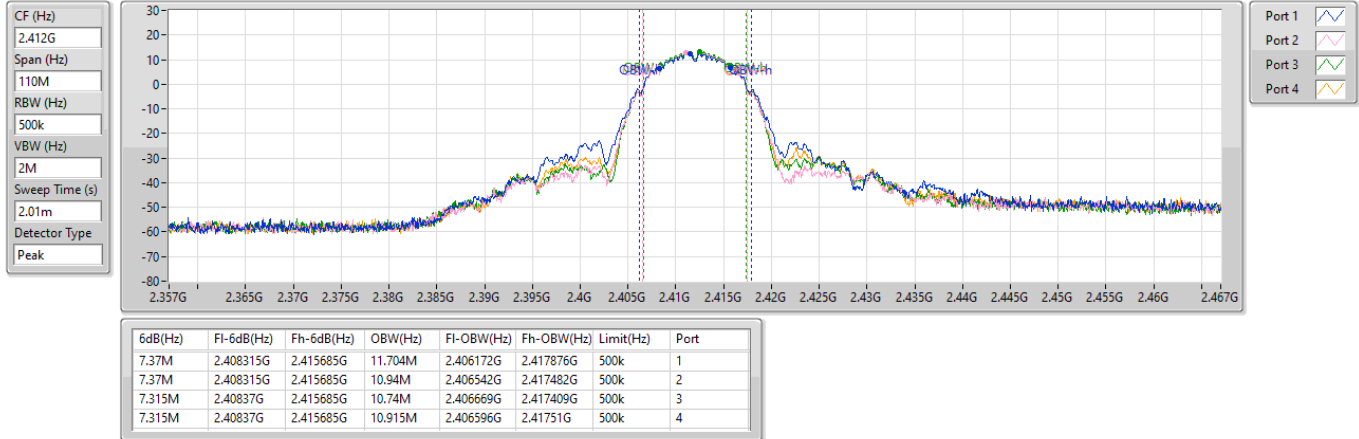
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

18/12/2025

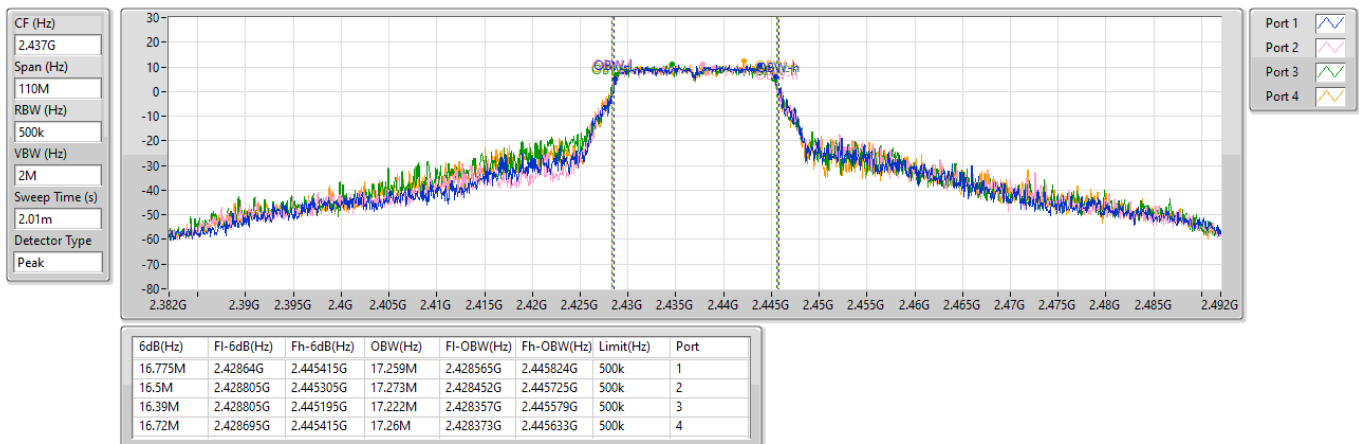


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2437MHz

18/12/2025

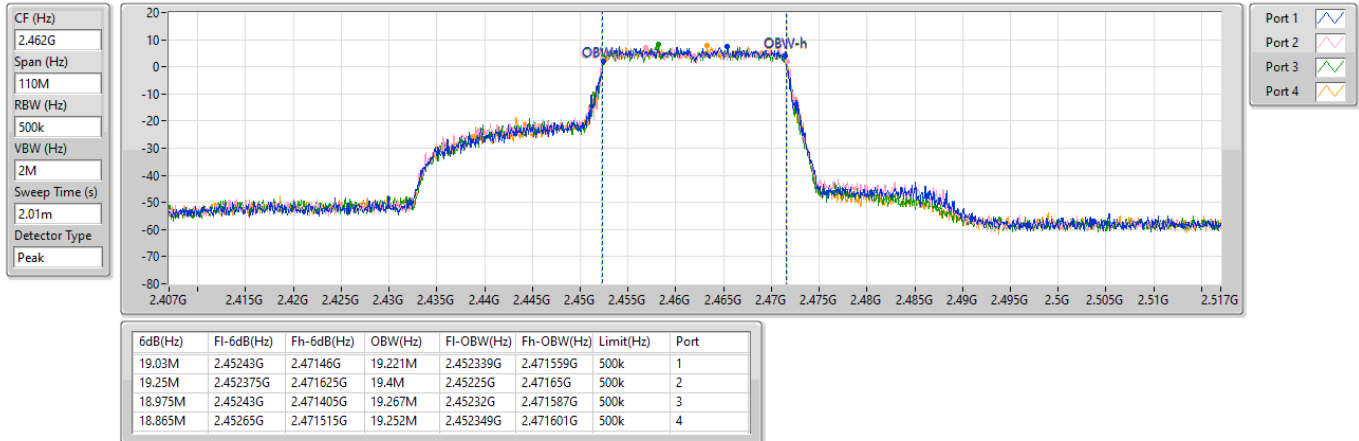


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

2462MHz

18/12/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss4,(MCS0)_4TX	19.25M	19.489M	19M5D1D	18.48M	19.227M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.92M	19.312M	19.25M	19.239M	18.92M	19.356M	18.865M	19.28M
2437MHz	Pass	500k	19.195M	19.368M	18.48M	19.317M	18.92M	19.434M	18.865M	19.227M
2462MHz	Pass	500k	18.81M	19.258M	19.085M	19.254M	19.03M	19.269M	19.03M	19.489M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

2412MHz

18/12/2025

CF (Hz)
2.412G

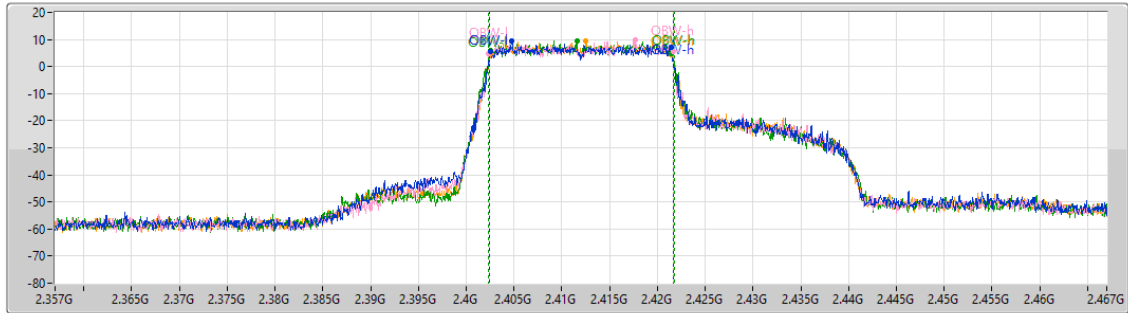
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.92M	2.40254G	2.42146G	19.312M	2.402408G	2.42172G	500k	1
19.25M	2.402375G	2.421625G	19.239M	2.402398G	2.421638G	500k	2
18.92M	2.40254G	2.42146G	19.356M	2.402379G	2.421735G	500k	3
18.865M	2.402595G	2.42146G	19.28M	2.402424G	2.421704G	500k	4



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.315M	11.654M	11M7G1D	7.26M	10.39M
802.11g_Nss1,(6Mbps)_1TX	16.5M	17.701M	17M7D1D	16.445M	17.481M
802.11be EHT20_Nss1,(MCS0)_1TX	19.03M	19.295M	19M3D1D	18.865M	19.185M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



**EBW_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_1T1S_AP5022FX**

Appendix B.11

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.315M	11.654M
2437MHz	Pass	500k	7.26M	10.39M
2462MHz	Pass	500k	7.315M	10.61M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.5M	17.701M
2437MHz	Pass	500k	16.5M	17.481M
2462MHz	Pass	500k	16.445M	17.481M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.865M	19.24M
2437MHz	Pass	500k	19.03M	19.185M
2462MHz	Pass	500k	19.03M	19.295M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

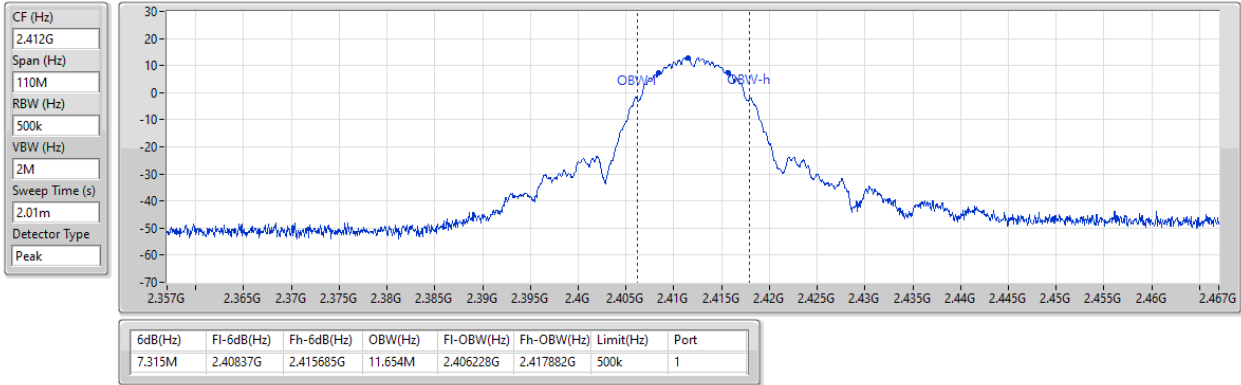


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

09/02/2026

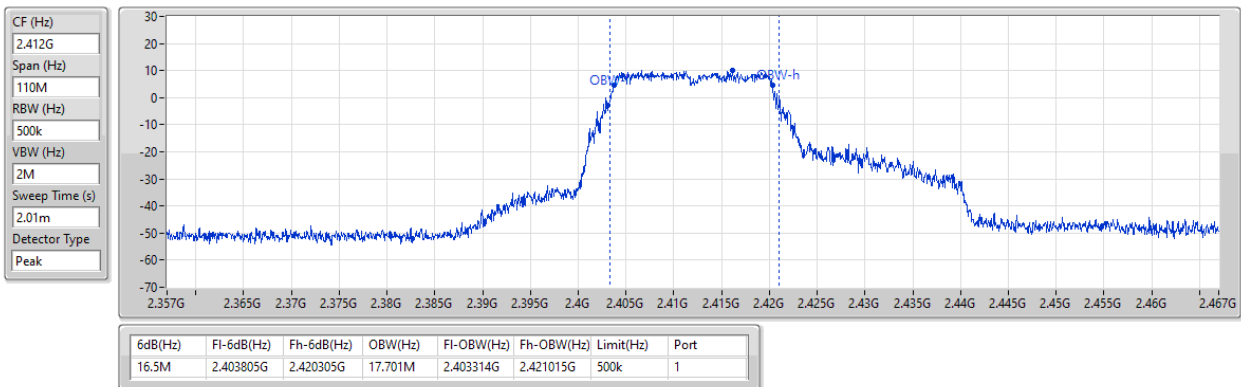


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

09/02/2026



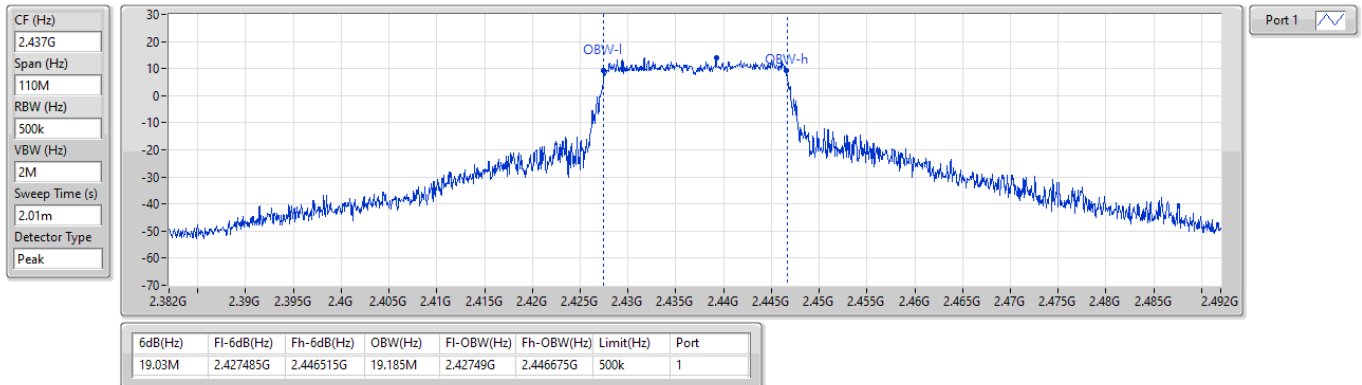


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

2437MHz

09/02/2026





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.37M	11.654M	11M7G1D	7.315M	10.39M
802.11g_Nss1,(6Mbps)_2TX	16.72M	17.426M	17M4D1D	16.335M	16.987M
802.11be EHT20_Nss1,(MCS0)_2TX	19.14M	19.405M	19M4D1D	18.865M	19.185M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.315M	11.654M	7.37M	10.995M
2437MHz	Pass	500k	7.37M	10.39M	7.315M	10.555M
2462MHz	Pass	500k	7.315M	10.61M	7.315M	10.555M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.72M	17.426M	16.445M	17.261M
2437MHz	Pass	500k	16.335M	17.261M	16.61M	16.987M
2462MHz	Pass	500k	16.335M	17.261M	16.335M	17.261M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.24M	19.085M	19.24M
2437MHz	Pass	500k	18.865M	19.295M	19.14M	19.185M
2462MHz	Pass	500k	19.03M	19.35M	19.03M	19.405M

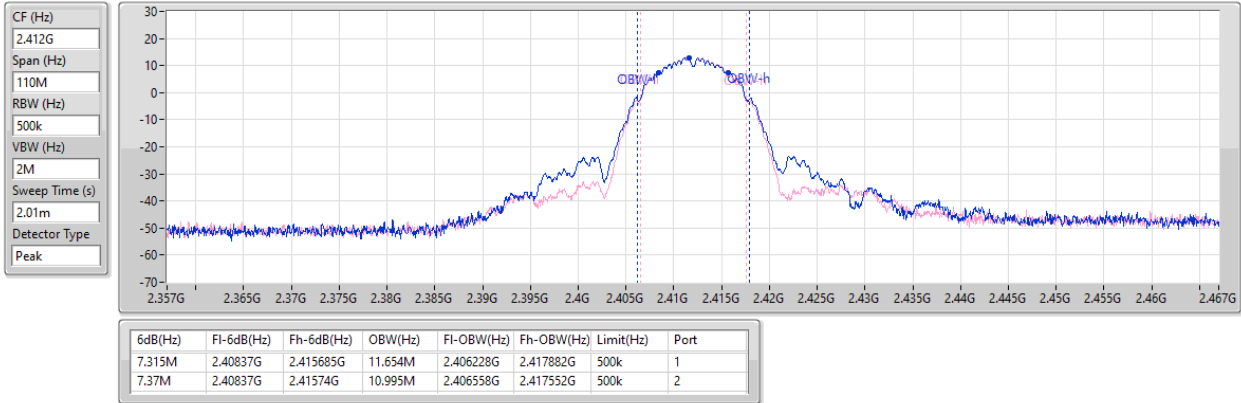
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

09/02/2026

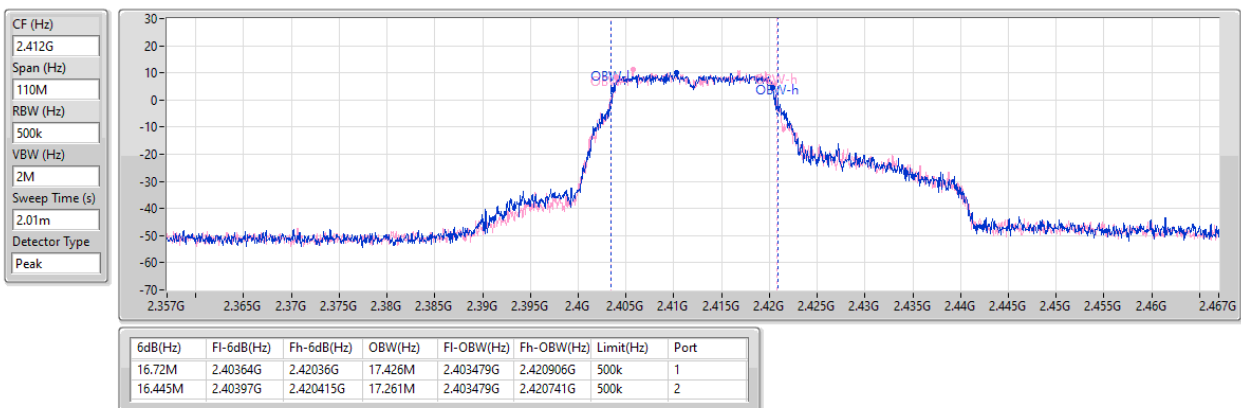


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

09/02/2026





2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

09/02/2026

CF (Hz)
2.437G

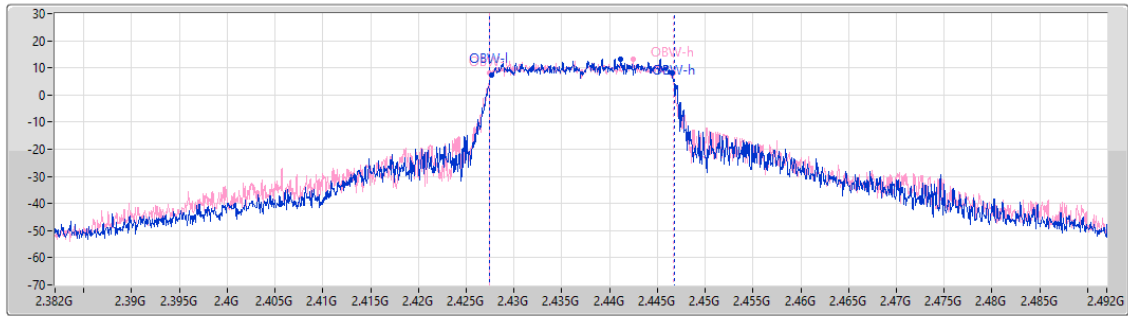
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



Port 1

Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.865M	2.42765G	2.446515G	19.295M	2.42749G	2.446785G	500k	1
19.14M	2.427485G	2.446625G	19.185M	2.427435G	2.44662G	500k	2



**EBW_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_2T2S_AP5022FX**

Appendix B.13

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	19.03M	19.295M	19M3D1D	18.59M	19.13M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.81M	19.24M	19.03M	19.24M
2437MHz	Pass	500k	18.865M	19.13M	18.59M	19.13M
2462MHz	Pass	500k	18.92M	19.295M	18.975M	19.295M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

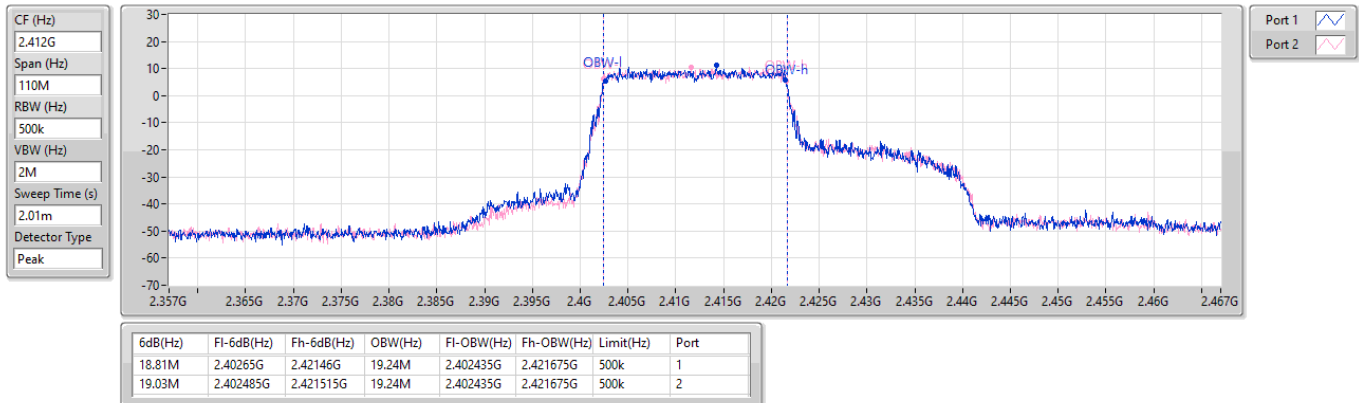


2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

2412MHz

09/02/2026





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.37M	10.885M	10M9G1D	7.315M	10.445M
802.11g_Nss1,(6Mbps)_4TX	16.665M	17.591M	17M6D1D	16.225M	17.041M
802.11be EHT20_Nss1,(MCS0)_4TX	19.14M	19.46M	19M5D1D	18.7M	19.185M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



**EBW_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T1S_AP5022FX**

Appendix B.14

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.315M	10.885M	7.315M	10.83M	7.37M	10.555M	7.37M	10.555M
2437MHz	Pass	500k	7.315M	10.445M	7.315M	10.5M	7.315M	10.775M	7.315M	10.61M
2462MHz	Pass	500k	7.315M	10.61M	7.315M	10.61M	7.315M	10.5M	7.315M	10.5M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.445M	17.426M	16.665M	17.591M	16.61M	17.261M	16.225M	17.261M
2437MHz	Pass	500k	16.555M	17.316M	16.665M	17.041M	16.5M	17.096M	16.39M	17.261M
2462MHz	Pass	500k	16.5M	17.481M	16.445M	17.536M	16.335M	17.316M	16.39M	17.096M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.92M	19.35M	18.81M	19.46M	18.92M	19.24M	18.755M	19.185M
2437MHz	Pass	500k	19.14M	19.24M	18.7M	19.24M	18.92M	19.24M	18.865M	19.185M
2462MHz	Pass	500k	18.92M	19.295M	19.03M	19.24M	19.085M	19.295M	18.975M	19.295M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

10/02/2026

CF (Hz)
2.412G

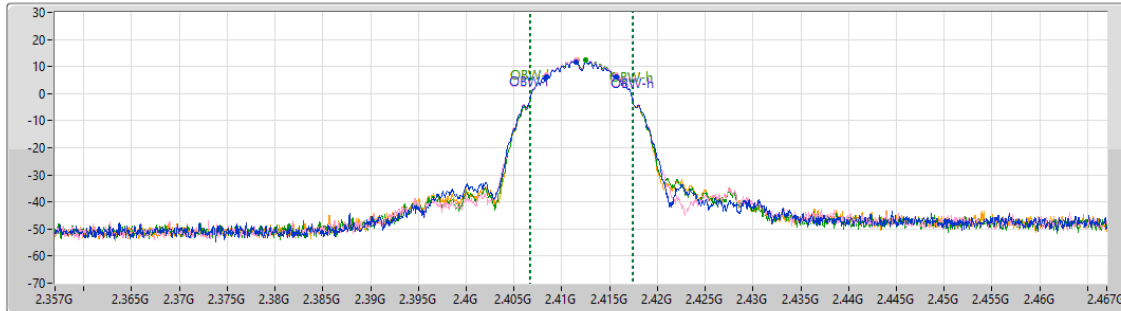
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.315M	2.40837G	2.415685G	10.885M	2.406613G	2.417497G	500k	1
7.315M	2.40837G	2.415685G	10.83M	2.406613G	2.417442G	500k	2
7.37M	2.40837G	2.41574G	10.555M	2.406778G	2.417332G	500k	3
7.37M	2.40837G	2.41574G	10.555M	2.406778G	2.417332G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2412MHz

10/02/2026

CF (Hz)
2.412G

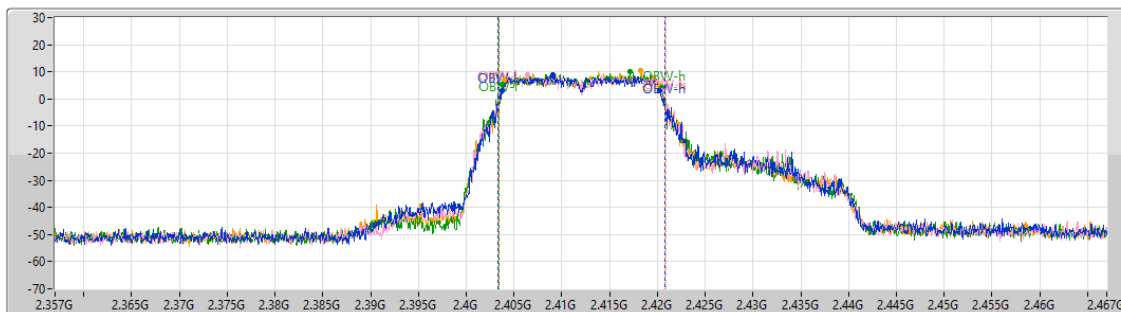
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.445M	2.40375G	2.420195G	17.426M	2.403369G	2.420796G	500k	1
16.665M	2.403805G	2.42047G	17.591M	2.403314G	2.420906G	500k	2
16.61M	2.403805G	2.420415G	17.261M	2.403479G	2.420741G	500k	3
16.225M	2.40397G	2.420195G	17.261M	2.403479G	2.420741G	500k	4

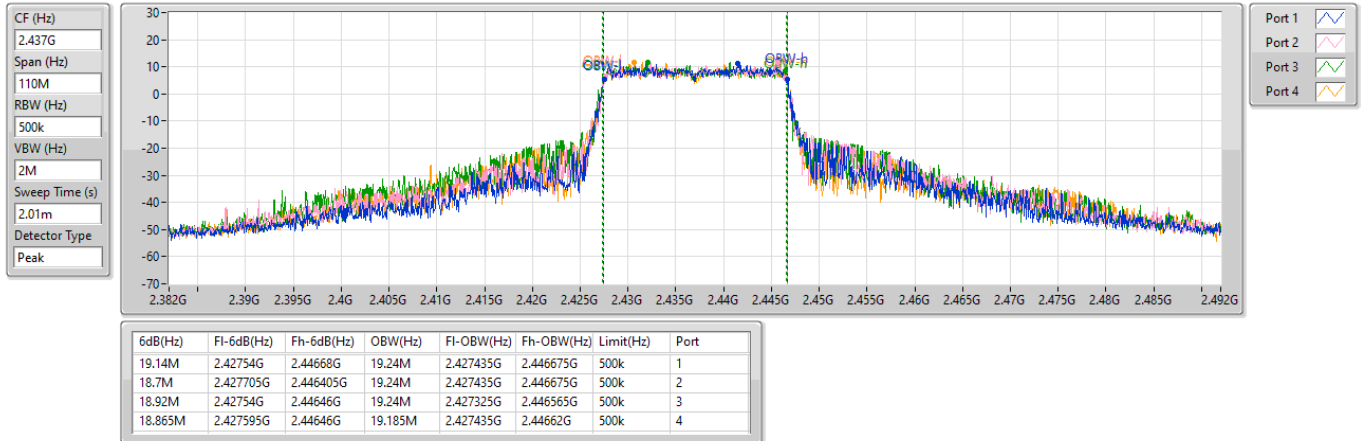


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

2437MHz

10/02/2026





**EBW_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T4S_AP5022FX**

Appendix B.15

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss4,(MCS0)_4TX	19.14M	19.405M	19M4D1D	18.755M	19.185M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



**EBW_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T4S_AP5022FX**

Appendix B.15

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.14M	19.35M	19.03M	19.35M	19.085M	19.295M	19.14M	19.295M
2437MHz	Pass	500k	18.755M	19.185M	18.92M	19.185M	18.755M	19.295M	18.81M	19.185M
2462MHz	Pass	500k	18.975M	19.24M	18.865M	19.405M	19.085M	19.295M	18.81M	19.24M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

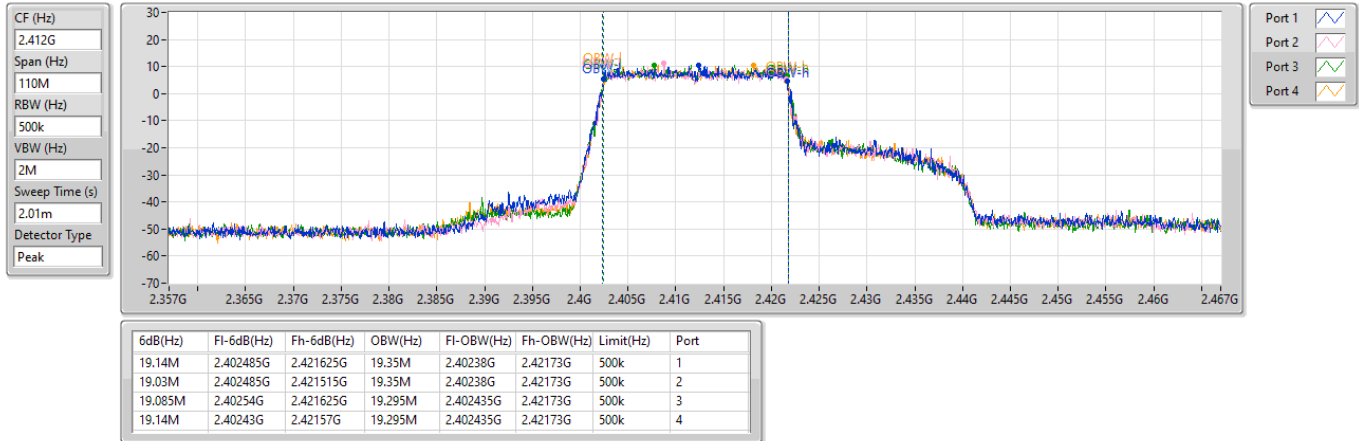


2.4-2.4835GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

2412MHz

10/02/2026



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.37M	11.126M	11M1G1D	7.315M	10.547M
802.11g_Nss1,(6Mbps)_2TX	16.885M	17.498M	17M5D1D	16.28M	17.15M
802.11be EHT20_Nss1,(MCS0)_2TX	19.085M	19.422M	19M4D1D	18.645M	19.21M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.37M	10.841M	7.315M	11.126M
2437MHz	Pass	500k	7.315M	10.579M	7.315M	10.661M
2462MHz	Pass	500k	7.315M	10.547M	7.37M	10.574M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.555M	17.498M	16.335M	17.319M
2437MHz	Pass	500k	16.445M	17.15M	16.28M	17.329M
2462MHz	Pass	500k	16.885M	17.431M	16.28M	17.2M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.03M	19.326M	19.03M	19.21M
2437MHz	Pass	500k	19.085M	19.234M	18.975M	19.422M
2462MHz	Pass	500k	18.645M	19.302M	18.975M	19.235M

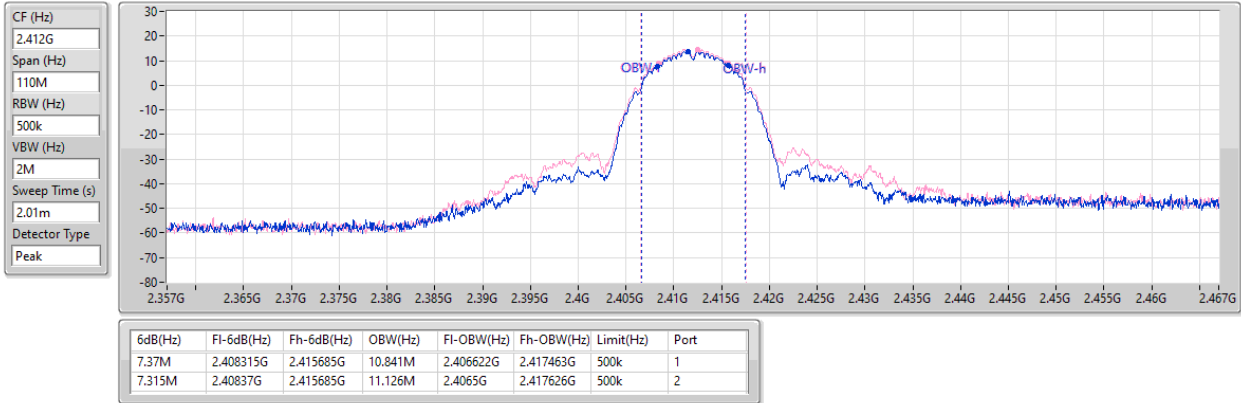
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

19/12/2025

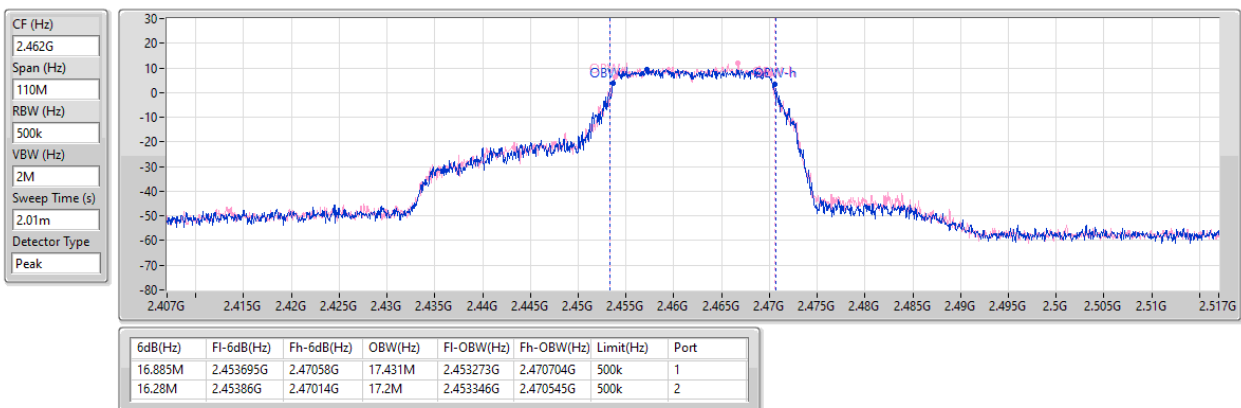


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

19/12/2025

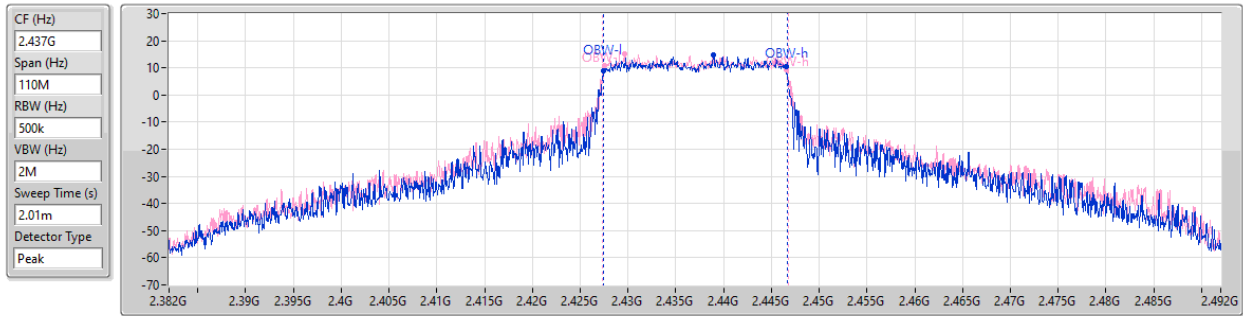


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

19/12/2025



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.085M	2.42743G	2.446515G	19.234M	2.427409G	2.446643G	500k	1
18.975M	2.427595G	2.44657G	19.422M	2.427316G	2.446738G	500k	2

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	19.14M	19.346M	19M3D1D	18.81M	19.191M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.03M	19.308M	18.92M	19.191M
2437MHz	Pass	500k	18.81M	19.204M	18.975M	19.311M
2462MHz	Pass	500k	19.14M	19.257M	18.865M	19.346M

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

2462MHz

19/12/2025

CF (Hz)
2.462G

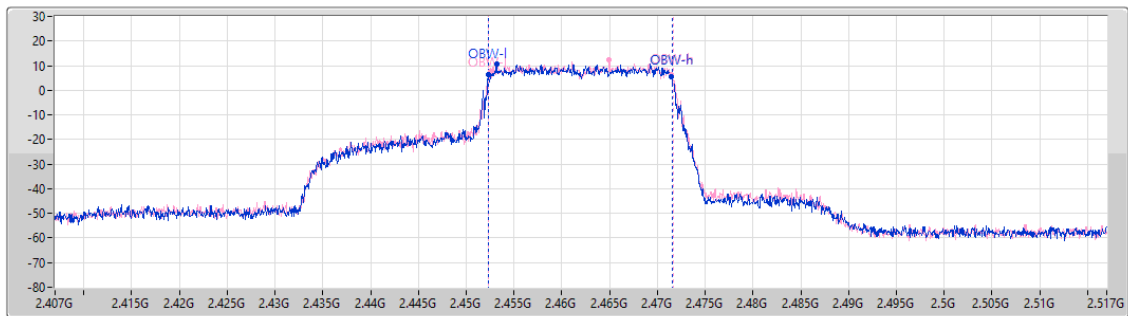
Span (Hz)
110M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
2.01m

Detector Type
Peak



Port 1 

Port 2 

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.14M	2.45232G	2.47146G	19.257M	2.452307G	2.471564G	500k	1
18.865M	2.45254G	2.471405G	19.346M	2.452335G	2.471681G	500k	2



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_1T1S_AP5022FX**

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.23	0.10544
802.11g_Nss1,(6Mbps)_1TX	19.98	0.09954
802.11be EHT20_Nss1,(MCS0)_1TX	20.18	0.10423



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_1T1S_AP5022FX**

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.02	19.51	19.51	30.00
2437MHz	Pass	3.02	20.23	20.23	30.00
2462MHz	Pass	3.02	19.57	19.57	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.02	17.72	17.72	30.00
2417MHz	Pass	3.02	17.98	17.98	30.00
2437MHz	Pass	3.02	19.98	19.98	30.00
2457MHz	Pass	3.02	18.76	18.76	30.00
2462MHz	Pass	3.02	18.65	18.65	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.02	17.25	17.25	30.00
2417MHz	Pass	3.02	18.39	18.39	30.00
2437MHz	Pass	3.02	20.18	20.18	30.00
2457MHz	Pass	3.02	19.31	19.31	30.00
2462MHz	Pass	3.02	17.63	17.63	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_2T1S_AP5022FX**

Appendix C.2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	22.80	0.19055
802.11g_Nss1,(6Mbps)_2TX	22.72	0.18707
802.11be EHT20_Nss1,(MCS0)_2TX	23.25	0.21135



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_2T1S_AP5022FX**

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.02	19.52	19.67	22.61	30.00
2437MHz	Pass	3.02	19.86	19.71	22.80	30.00
2462MHz	Pass	3.02	19.89	19.24	22.59	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.02	17.82	17.64	20.74	30.00
2417MHz	Pass	3.02	17.90	17.71	20.82	30.00
2437MHz	Pass	3.02	19.93	19.47	22.72	30.00
2457MHz	Pass	3.02	18.60	17.92	21.28	30.00
2462MHz	Pass	3.02	16.65	15.83	19.27	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.02	17.11	17.20	20.17	30.00
2417MHz	Pass	3.02	18.04	17.88	20.97	30.00
2437MHz	Pass	3.02	20.54	19.92	23.25	30.00
2457MHz	Pass	3.02	18.44	17.81	21.15	30.00
2462MHz	Pass	3.02	16.43	15.91	19.19	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_2T2S_AP5022FX**

Appendix C.3

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	23.00	0.19953



Average Power_Non-Beamforming_ Radio 1_AI-TP05360_2T2S_AP5022FX

Appendix C.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.02	17.35	17.21	20.29	30.00
2417MHz	Pass	3.02	18.09	17.86	20.99	30.00
2437MHz	Pass	3.02	20.29	19.66	23.00	30.00
2457MHz	Pass	3.02	18.48	17.78	21.15	30.00
2462MHz	Pass	3.02	17.46	16.75	20.13	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_4T1S_AP5022FX**

Appendix C.4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	26.02	0.39994
802.11g_Nss1,(6Mbps)_4TX	25.53	0.35727
802.11be EHT20_Nss1,(MCS0)_4TX	24.59	0.28774



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_4T1S_AP5022FX**

Appendix C.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	19.61	19.70	20.14	20.00	25.89	30.00
2437MHz	Pass	3.02	19.98	20.08	19.94	20.00	26.02	30.00
2462MHz	Pass	3.02	19.77	19.50	19.43	19.58	25.59	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	17.44	17.17	17.35	17.46	23.38	30.00
2417MHz	Pass	3.02	18.41	18.24	18.57	18.45	24.44	30.00
2437MHz	Pass	3.02	19.72	19.30	19.51	19.49	25.53	30.00
2457MHz	Pass	3.02	18.49	17.85	17.94	17.90	24.07	30.00
2462MHz	Pass	3.02	16.67	15.98	15.95	16.05	22.19	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	17.23	17.17	17.43	17.38	23.32	30.00
2417MHz	Pass	3.02	18.29	18.24	18.45	18.41	24.37	30.00
2437MHz	Pass	3.02	18.83	18.41	18.47	18.57	24.59	30.00
2457MHz	Pass	3.02	17.14	16.60	16.45	16.60	22.73	30.00
2462MHz	Pass	3.02	16.63	15.86	15.94	15.94	22.12	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_4T4S_AP5022FX**

Appendix C.5

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss4,(MCS0)_4TX	25.15	0.32734



**Average Power_Non-Beamforming_
Radio 1_AI-TP05360_4T4S_AP5022FX**

Appendix C.5

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.02	17.73	17.34	17.68	17.75	23.65	30.00
2417MHz	Pass	3.02	18.64	18.36	18.65	18.75	24.62	30.00
2437MHz	Pass	3.02	19.31	18.88	19.12	19.21	25.15	30.00
2457MHz	Pass	3.02	19.22	18.16	18.14	18.35	24.51	30.00
2462MHz	Pass	3.02	17.48	16.78	16.69	16.70	22.95	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_1T1S_AP5022FX**

Appendix C.6

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.20	0.10471
802.11g_Nss1,(6Mbps)_1TX	19.45	0.08810
802.11be EHT20_Nss1,(MCS0)_1TX	19.51	0.08933



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_1T1S_AP5022FX**

Appendix C.6

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.62	19.37	19.37	30.00
2437MHz	Pass	5.62	20.20	20.20	30.00
2462MHz	Pass	5.62	19.89	19.89	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.62	16.51	16.51	30.00
2417MHz	Pass	5.62	18.33	18.33	30.00
2437MHz	Pass	5.62	19.45	19.45	30.00
2457MHz	Pass	5.62	18.55	18.55	30.00
2462MHz	Pass	5.62	16.39	16.39	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.62	15.95	15.95	30.00
2417MHz	Pass	5.62	18.53	18.53	30.00
2437MHz	Pass	5.62	19.51	19.51	30.00
2457MHz	Pass	5.62	16.89	16.89	30.00
2462MHz	Pass	5.62	16.33	16.33	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_2T1S_AP5022FX**

Appendix C.7

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.00	0.19953
802.11g_Nss1,(6Mbps)_2TX	22.86	0.19320
802.11be EHT20_Nss1,(MCS0)_2TX	21.85	0.15311



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_2T1S_AP5022FX**

Appendix C.7

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.62	19.54	19.75	22.66	30.00
2437MHz	Pass	5.62	20.07	19.91	23.00	30.00
2462MHz	Pass	5.62	19.89	19.13	22.54	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.62	16.17	16.13	19.16	30.00
2417MHz	Pass	5.62	18.59	18.39	21.50	30.00
2437MHz	Pass	5.62	20.07	19.61	22.86	30.00
2457MHz	Pass	5.62	18.33	17.73	21.05	30.00
2462MHz	Pass	5.62	15.82	15.07	18.47	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.62	15.94	15.89	18.93	30.00
2417MHz	Pass	5.62	18.49	18.30	21.41	30.00
2437MHz	Pass	5.62	19.05	18.61	21.85	30.00
2457MHz	Pass	5.62	16.66	16.09	19.39	30.00
2462MHz	Pass	5.62	14.54	14.07	17.32	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_2T2S_AP5022FX**

Appendix C.8

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	21.90	0.15488



Average Power_Non-Beamforming_ Radio 1_AI-TQ08055_2T2S_AP5022FX

Appendix C.8

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.62	16.18	16.08	19.14	30.00
2417MHz	Pass	5.62	17.79	17.56	20.69	30.00
2437MHz	Pass	5.62	19.07	18.71	21.90	30.00
2457MHz	Pass	5.62	16.60	16.08	19.36	30.00
2462MHz	Pass	5.62	15.37	14.74	18.08	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_4T1S_AP5022FX**

Appendix C.9

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	25.99	0.39719
802.11g_Nss1,(6Mbps)_4TX	24.03	0.25293
802.11be EHT20_Nss1,(MCS0)_4TX	23.68	0.23335



**Average Power_Non-Beamforming_
Radio 1_AI-TQ08055_4T1S_AP5022FX**

Appendix C.9

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.62	19.52	19.79	20.32	20.05	25.95	30.00
2437MHz	Pass	5.62	19.96	19.95	19.95	20.03	25.99	30.00
2457MHz	Pass	5.62	19.86	19.49	19.74	19.62	25.70	30.00
2462MHz	Pass	5.62	19.38	18.74	18.98	18.88	25.02	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.62	15.62	15.46	15.75	15.88	21.70	30.00
2417MHz	Pass	5.62	17.93	17.81	18.07	18.20	24.03	30.00
2437MHz	Pass	5.62	18.01	17.79	17.78	17.90	23.89	30.00
2457MHz	Pass	5.62	17.30	16.74	16.68	16.59	22.86	30.00
2462MHz	Pass	5.62	14.93	14.39	14.38	14.50	20.58	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.62	15.20	15.15	15.28	15.56	21.32	30.00
2417MHz	Pass	5.62	17.39	17.22	17.38	17.45	23.38	30.00
2437MHz	Pass	5.62	17.70	17.58	17.64	17.71	23.68	30.00
2457MHz	Pass	5.62	15.73	15.23	14.93	15.05	21.27	30.00
2462MHz	Pass	5.62	13.99	13.63	13.44	13.66	19.71	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_Radio 1_
AI-TQ08055_4T4S_AP5022FX**

Appendix C.10

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss4,(MCS0)_4TX	24.16	0.26062



**Average Power_Non-Beamforming_Radio 1_
AI-TQ08055_4T4S_AP5022FX**

Appendix C.10

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.62	15.15	15.30	15.43	15.48	21.36	30.00
2417MHz	Pass	5.62	17.62	17.48	17.64	17.72	23.64	30.00
2437MHz	Pass	5.62	18.14	18.14	18.10	18.18	24.16	30.00
2457MHz	Pass	5.62	16.42	15.87	15.78	15.98	22.04	30.00
2462MHz	Pass	5.62	14.56	14.09	13.93	14.04	20.18	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_1T1S_AP5022FX**

Appendix C.11

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.63	0.11561
802.11g_Nss1,(6Mbps)_1TX	18.42	0.06950
802.11be EHT20_Nss1,(MCS0)_1TX	19.31	0.08531



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_1T1S_AP5022FX**

Appendix C.11

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	9.72	19.93	19.93	26.28
2437MHz	Pass	9.72	20.63	20.63	26.28
2457MHz	Pass	9.72	20.37	20.37	26.28
2462MHz	Pass	9.72	19.86	19.86	26.28
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	9.72	16.61	16.61	26.28
2417MHz	Pass	9.72	17.54	17.54	26.28
2437MHz	Pass	9.72	18.42	18.42	26.28
2457MHz	Pass	9.72	17.59	17.59	26.28
2462MHz	Pass	9.72	15.67	15.67	26.28
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	9.72	16.56	16.56	26.28
2417MHz	Pass	9.72	17.89	17.89	26.28
2437MHz	Pass	9.72	19.31	19.31	26.28
2457MHz	Pass	9.72	16.63	16.63	26.28
2462MHz	Pass	9.72	15.18	15.18	26.28

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_2T1S_AP5022FX**

Appendix C.12

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.63	0.23067
802.11g_Nss1,(6Mbps)_2TX	21.23	0.13274
802.11be EHT20_Nss1,(MCS0)_2TX	21.52	0.14191



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_2T1S_AP5022FX**

Appendix C.12

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	9.72	20.01	20.09	23.06	26.28
2437MHz	Pass	9.72	20.81	20.42	23.63	26.28
2457MHz	Pass	9.72	20.53	20.09	23.33	26.28
2462MHz	Pass	9.72	19.43	18.99	22.23	26.28
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	9.72	16.62	16.50	19.57	26.28
2417MHz	Pass	9.72	17.41	17.11	20.27	26.28
2437MHz	Pass	9.72	18.46	17.97	21.23	26.28
2457MHz	Pass	9.72	17.32	16.82	20.09	26.28
2462MHz	Pass	9.72	14.29	13.91	17.11	26.28
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	9.72	16.94	16.72	19.84	26.28
2417MHz	Pass	9.72	17.55	17.41	20.49	26.28
2437MHz	Pass	9.72	18.60	18.42	21.52	26.28
2457MHz	Pass	9.72	16.47	16.05	19.28	26.28
2462MHz	Pass	9.72	13.88	13.49	16.70	26.28

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_2T2S_AP5022FX**

Appendix C.13

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	20.39	0.10940



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_2T2S_AP5022FX**

Appendix C.13

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	9.72	16.63	16.39	19.52	26.28
2437MHz	Pass	9.72	17.33	17.42	20.39	26.28
2457MHz	Pass	9.72	15.84	15.50	18.68	26.28
2462MHz	Pass	9.72	14.14	13.95	17.06	26.28

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T1S_AP5022FX**

Appendix C.14

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	25.77	0.37757
802.11g_Nss1,(6Mbps)_4TX	23.04	0.20137
802.11be EHT20_Nss1,(MCS0)_4TX	22.94	0.19679



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T1S_AP5022FX**

Appendix C.14

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.72	18.72	19.11	19.49	19.33	25.19	26.28
2417MHz	Pass	9.72	19.28	19.66	20.09	19.87	25.76	26.28
2437MHz	Pass	9.72	19.89	19.74	19.68	19.68	25.77	26.28
2457MHz	Pass	9.72	19.17	19.07	18.36	18.72	24.86	26.28
2462MHz	Pass	9.72	18.52	18.05	18.07	17.99	24.18	26.28
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.72	15.39	15.34	15.74	15.66	21.56	26.28
2417MHz	Pass	9.72	16.98	16.91	17.17	17.01	23.04	26.28
2437MHz	Pass	9.72	16.94	16.74	16.71	16.66	22.78	26.28
2457MHz	Pass	9.72	16.01	15.51	15.37	15.22	21.56	26.28
2462MHz	Pass	9.72	11.34	11.11	10.88	11.03	17.11	26.28
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.72	15.12	15.11	15.38	15.39	21.27	26.28
2417MHz	Pass	9.72	15.85	15.99	16.19	16.21	22.08	26.28
2437MHz	Pass	9.72	17.04	16.91	17.00	16.74	22.94	26.28
2457MHz	Pass	9.72	14.13	13.74	13.56	13.66	19.80	26.28
2462MHz	Pass	9.72	11.28	10.85	10.56	10.63	16.86	26.28

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T4S_AP5022FX**

Appendix C.15

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss4,(MCS0)_4TX	23.34	0.21577



**Average Power_Non-Beamforming_
Radio 1_AIO-DQ15021-RPSMA_4T4S_AP5022FX**

Appendix C.15

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.72	15.94	15.94	16.20	16.32	22.12	26.28
2437MHz	Pass	9.72	17.45	17.25	17.42	17.17	23.34	26.28
2457MHz	Pass	9.72	15.50	15.02	14.62	14.42	20.93	26.28
2462MHz	Pass	9.72	12.79	12.58	12.28	12.71	18.61	26.28

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Scan Radio_2T1S_AP5022FX**

Appendix C.16

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.36	0.27290
802.11g_Nss1,(6Mbps)_2TX	22.91	0.19543
802.11be EHT20_Nss1,(MCS0)_2TX	22.75	0.18836



**Average Power_Non-Beamforming_
Scan Radio_2T1S_AP5022FX**

Appendix C.16

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	20.65	21.50	24.11	30.00
2437MHz	Pass	2.86	20.91	21.75	24.36	30.00
2462MHz	Pass	2.86	20.80	21.34	24.09	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	18.75	19.42	22.11	30.00
2437MHz	Pass	2.86	19.51	20.26	22.91	30.00
2457MHz	Pass	2.86	18.60	19.41	22.03	30.00
2462MHz	Pass	2.86	16.25	16.89	19.59	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	15.61	16.03	18.84	30.00
2417MHz	Pass	2.86	18.79	19.57	22.21	30.00
2437MHz	Pass	2.86	19.39	20.06	22.75	30.00
2457MHz	Pass	2.86	19.00	19.68	22.36	30.00
2462MHz	Pass	2.86	15.82	16.20	19.02	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Non-Beamforming_
Scan Radio_2T2S_AP5022FX**

Appendix C.17

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	22.70	0.18621



**Average Power_Non-Beamforming_
Scan Radio_2T2S_AP5022FX**

Appendix C.17

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	17.46	17.99	20.74	30.00
2417MHz	Pass	2.86	19.27	20.07	22.70	30.00
2437MHz	Pass	2.86	19.21	19.88	22.57	30.00
2457MHz	Pass	2.86	19.01	19.70	22.38	30.00
2462MHz	Pass	2.86	16.27	16.78	19.54	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Beamforming_
Radio 1_AI-TP05360_AP5022FX**

Appendix C.18

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.59	0.28774



**Average Power_Beamforming_
Radio 1_AI-TP05360_AP5022FX**

Appendix C.18

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	9.04	17.23	17.17	17.43	17.38	23.32	26.96
2417MHz	Pass	9.04	18.29	18.24	18.45	18.41	24.37	26.96
2437MHz	Pass	9.04	18.83	18.41	18.47	18.57	24.59	26.96
2457MHz	Pass	9.04	17.14	16.6	16.45	16.6	22.73	26.96
2462MHz	Pass	9.04	16.63	15.86	15.94	15.94	22.12	26.96

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Beamforming_
Radio 1_AI-TQ08055_AP5022FX**

Appendix C.19

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.68	0.23335



Average Power_Beamforming_ Radio 1_AI-TQ08055_AP5022FX

Appendix C.19

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.63	15.2	15.15	15.28	15.56	21.32	27.37
2417MHz	Pass	8.63	17.39	17.22	17.38	17.45	23.38	27.37
2437MHz	Pass	8.63	17.7	17.58	17.64	17.71	23.68	27.37
2457MHz	Pass	8.63	15.73	15.23	14.93	15.05	21.27	27.37
2462MHz	Pass	8.63	13.99	13.63	13.44	13.66	19.71	27.37

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



**Average Power_Beamforming_
Radio 1_AIO-DQ15021-RPSMA_AP5022FX**

Appendix C.20

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	22.74	0.18793



**Average Power_Beamforming_
Radio 1_AIO-DQ15021-RPSMA_AP5022FX**

Appendix C.20

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	12.73	15.12	15.11	15.38	15.39	21.27	23.27
2417MHz	Pass	12.73	15.85	15.99	16.19	16.21	22.08	23.27
2437MHz	Pass	12.73	16.84	16.71	16.80	16.54	22.74	23.27
2457MHz	Pass	12.73	14.13	13.74	13.56	13.66	19.80	23.27
2462MHz	Pass	12.73	11.28	10.85	10.56	10.63	16.86	23.27

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-2.32
802.11g_Nss1,(6Mbps)_1TX	-7.09
802.11be EHT20_Nss1,(MCS0)_1TX	-7.30

RBW = 3kHz;



**PSD_Non-Beamforming_
Radio 1_AI-TP05360_1T1S_AP5022FX**

Appendix D.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.02	-3.29	-3.29	8.00
2437MHz	Pass	3.02	-3.26	-3.26	8.00
2462MHz	Pass	3.02	-2.32	-2.32	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.02	-10.55	-10.55	8.00
2437MHz	Pass	3.02	-7.09	-7.09	8.00
2462MHz	Pass	3.02	-8.56	-8.56	8.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.02	-10.04	-10.04	8.00
2437MHz	Pass	3.02	-7.30	-7.30	8.00
2462MHz	Pass	3.02	-9.41	-9.41	8.00

DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.