



RADIO TEST REPORT

FCC ID : QXO-AP5060
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5060U
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 Jul. 10, 2025, and testing was started from Aug. 12, 2025 and completed on Oct. 27, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2020 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_9 Ver1.3



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	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Cathy Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std.	Ch. Frequency (MHz)	Channel Number
2400-2483.5	802.15.4	2405-2480	11-26 [16]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.15.4	3	1TX

Note:

- ♦ 802.15.4 uses a O-QPSK (250kbps) modulation.
- ♦ BWch is the nominal channel bandwidth.


1.1.2 Antenna Information

Ant.	Port						Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz (Radio 1), 5GHz (Radio 2)	WLAN 5GHz, 6GHz (Radio 1)	WLAN 6GHz (Radio 3)	WLAN 2.4GHz, 5GHz, 6GHz (Scanning Radio 4)	Bluetooth / IEEE802.15.4 (Radio 5)	GPS (Radio 6)					
1	-	1	-	-	-	-	WNC	95XPAM15.G05	Metal PIFA	I-PEX	Note 1
2	-	2	-	-	-	-	WNC	95XPAM15.G06	Metal PIFA	I-PEX	
3	-	3	-	-	-	-	WNC	95XPAM15.G07	Metal PIFA	I-PEX	
4	-	4	-	-	-	-	WNC	95XPAM15.G08	Metal PIFA	I-PEX	
5	1	-	-	-	-	-	WNC	95XPAM15.G01	Metal PIFA	I-PEX	
6	2	-	-	-	-	-	WNC	95XPAM15.G02	Metal PIFA	I-PEX	
7	3	-	-	-	-	-	WNC	95XPAM15.G03	Metal PIFA	I-PEX	
8	4	-	-	-	-	-	WNC	95XPAM15.G04	Metal PIFA	I-PEX	
9	-	-	1	-	-	-	WNC	95XPAM15.G09	Metal PIFA	I-PEX	
10	-	-	2	-	-	-	WNC	95XPAM15.G10	Metal PIFA	I-PEX	
11	-	-	3	-	-	-	WNC	95XPAM15.G11	Metal PIFA	I-PEX	
12	-	-	4	-	-	-	WNC	95XPAM15.G12	Metal PIFA	I-PEX	
13	-	-	-	1	-	-	WNC	95XPAM15.G13	Metal PIFA	I-PEX	
14	-	-	-	2	-	-	WNC	95XPAM15.G14	Metal PIFA	I-PEX	
15	-	-	-	-	2	-	WNC	95XPAM15.G15	Metal PIFA	I-PEX	
16	-	-	-	-	1	-	WNC	95XPAM15.G16	Metal PIFA	I-PEX	
17	-	-	-	-	3	-	WNC	95XPAM15.G17	Metal PIFA	I-PEX	
18	-	-	-	-	-	1	WNC	95XPAM15.G18	Metal PIFA	I-PEX	



Note 1:

Ant.	Antenna Gain (dBi)																											
	WLAN 2.4GHz (Radio 1), 5GHz (Radio 2)					WLAN 5GHz, 6GHz (Radio 1)								WLAN 6GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scanning Radio 4)								Bluetooth / IEEE 802.15.4 (Radio 5)	GPS (Radio 6)	
	2.4G	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8	UNII 5	UNII 6	UNII 7	UNII 8	2.4G	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8		
1	-	-	-	-	-	4.98	5.38	5.24	5.34	5.62	5.65	5.05	5.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	3.38	3.71	4.44	4.08	5.32	5.2	5.96	5.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	3.4	3.73	3.35	2.94	4.28	3.61	2.87	3.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	2.82	2.95	2.99	2.45	2.95	4.53	3.53	3.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-0.33	5.57	6.81	6.26	5.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-1.82	3.66	5.09	6.65	5.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	2.07	3.91	5.22	4.97	5.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-1.25	3.91	4.88	6.07	4.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	6.62	5.94	5.72	5.88	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	6.09	5.61	5.72	6.67	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	2.84	4.27	3.01	3.95	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	3.44	3.21	3.15	3.32	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.74	3.9	5.88	4.78	3.92	3.47	5.58	5.92	6.85	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.91	4.85	6.64	6.99	6.33	5.35	4.32	5.01	6.5	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4



Ant.	Directional Gain (dBi)															
	WLAN 5GHz, 6GHz (Radio 1)															
	5GHz UNII 1		5GHz UNII 2A		5GHz UNII 2C		5GHz UNII 3		6GHz UNII 5		6GHz UNII 6		6GHz UNII 7		6GHz UNII 8	
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
1~2	6.59	4.98	7.05	5.38	7.22	5.24	6.97	5.34	7.6	5.62	6.62	5.65	7.21	5.96	7.6	5.34

Ant.	Directional Gain (dBi)																							
	WLAN 5GHz, 6GHz (Radio 1)																							
	5GHz UNII 1			5GHz UNII 2A			5GHz UNII 2C			5GHz UNII 3			6GHz UNII 5			6GHz UNII 6			6GHz UNII 7			6GHz UNII 8		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1~4	5.9	4.98	4.98	5.87	5.38	5.38	6.24	5.24	5.24	5.54	5.34	5.34	5.75	5.62	5.62	5.65	5.65	5.65	5.96	5.96	5.96	5.34	5.34	5.34

Ant.	Directional Gain (dBi)									
	WLAN 2.4GHz (Radio 1), 5GHz (Radio 2)									
	2.4GHz		5GHz UNII 1				5GHz UNII 2A		5GHz UNII 2C	
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
5~6	0.83	-0.33	7.42	5.57	8.02	6.81	7.47	6.65	6.42	5.54

Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz (Radio 1), 5GHz (Radio 2)														
	2.4GHz			5GHz UNII 1			5GHz UNII 2A			5GHz UNII 2C			5GHz UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
5~8	4.19	2.07	2.07	8.18	5.57	5.57	8.85	6.81	6.81	9.45	6.65	6.65	8.93	5.93	5.61

Ant.	Directional Gain (dBi)							
	WLAN 6GHz (Radio 3)							
	6GHz UNII 5		6GHz UNII 6		6GHz UNII 7		6GHz UNII 8	
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
9~10	8.63	6.62	6.77	5.94	7.1	5.72	7.07	6.67

Ant.	Directional Gain (dBi)											
	WLAN 6GHz (Radio 3)											
	6GHz UNII 5			6GHz UNII 6			6GHz UNII 7			6GHz UNII 8		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9~12	7.33	6.62	6.62	5.94	5.94	5.94	5.72	5.72	5.72	6.67	6.67	6.67

Ant.	Directional Gain (dBi)																	
	WLAN 2.4GHz, 5GHz, 6GHz (Scanning Radio 4)																	
	2.4GHz		5GHz UNII 1		5GHz UNII 2A		5GHz UNII 2C		5GHz UNII 3		6GHz UNII 5		6GHz UNII 6		6GHz UNII 7		6GHz UNII 8	
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
13~14	5.23	2.91	6.17	4.85	7.91	6.64	8.96	6.99	8.08	6.33	5.92	5.35	7.24	5.58	7.24	5.92	8.57	6.85

Note 2: The EUT has eighteen antennas.

Note 3: Radio 1_5GHz, 6GHz, Radio 1_2.4GHz, Radio 2_5GHz, Radio 3_6GHz and Scan Radio 4_2.4GHz, 5GHz, 6GHz Maximum Directional Gain following KDB662911 D03.

Note 4: Only the highest gain antenna was selected to test and record in this report. Thus, Ant. 16 was selected to perform the test for Radio 5_Bluetooth / IEEE802.15.4.

Note 5: The 5GHz UNII 2A, 2C, and 6GHz UNII 6, 8 are not enabled for Radio 1, 2, 3, and Scanning Radio 4 at this time.

Note 6: The above information (Radio 5_Bluetooth / IEEE802.15.4 and Radio 6_GPS) was declared by manufacturer.

**EUT operation mode:****For Radio 1****For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For 5GHz:**For IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For 6GHz:**For IEEE 802.11ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For Radio 2**For 5GHz:****For IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

**4RX**

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For Radio 3**For 6GHz:****For IEEE 802.11ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

For Scanning Radio 4**For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX):**

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

Port 1, Port 2 could transmit/receive simultaneously.

For 5GHz:**For IEEE 802.11a/n/ac/ax/be mode (2TX/2RX):**

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

Port 1, Port 2 could transmit/receive simultaneously.

For 6GHz:**For IEEE 802.11ax/be mode (2TX/2RX):**

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

Port 1, Port 2 could transmit/receive simultaneously.

For Radio 5**Bluetooth / IEEE802.15.4 (1TX/1RX):**

The EUT supports the antenna with TX and RX diversity functions.

Port 1, Port 2, Port 3 support transmit and receive functions, but only one of them will be used at one time.

For Radio 6**GPS (1RX):**

Only Port 1 can be used as receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.15.4	0.901	0.45	4.241m	300

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

**1.1.4 EUT Operational Condition**

EUT Power Type	From PoE		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	Tera Term 4.75		

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Support Function

Function
AP
Bridge
Mesh

Note1: For above table list, only AP mode was tested and recorded in this test.

Note2: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Radio (R)	WLAN 2.4GHz	5GHz	Scanning radio (WLAN 2.4GHz / 5GHz / 6GHz)	6GHz	Bluetooth / IEEE802.15.4	GPS
R1	V (AP, Bridge, Mesh)	V (AP, Bridge, Mesh for UNII 1)	-	V (AP for 6GHz UNII 7)	-	-
R2	-	V (AP for UNII 1, 3 or UNII 3 / Bridge, Mesh for UNII 3)	-	-	-	-
R3	-	-	-	V (AP for 6GHz UNII 5, 7 or UNII 5)	-	-
R4	-	-	V (AP, for 2.4GHz, 5GHz UNII 1, 3, 6GHz UNII 5, 7)	-	-	-
R5	-	-	-	-	V	-
R6	-	-	-	-	-	V

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2020

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	22~23.1 / 58~61	Aug. 14, 2025~ Aug. 15, 2025
Radiated (Below 1GHz)	03CH05-CB	Gordon Hung	21.5~22.9 / 57~60	Oct. 23, 2025
Radiated (Above 1GHz)	03CH06-CB	Gordon Hung	21.9~23.1 / 60~62	Aug. 12, 2025~ Aug. 13, 2025
AC Conduction	CO01-CB	Elvin Yeh	23~24 / 63~64	Sep. 16, 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
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.15.4_1TX
2405MHz
2440MHz
2475MHz
2480MHz



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	Normal Link
1	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (BT_Ant. 15)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth0 port)
2	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (BT_Ant. 15)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (BT_Ant. 16)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
4	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (BT_Ant. 17)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
Mode 4 has been evaluated to be the worst case between Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (IEEE 802.15.4_Ant. 17)+R6 (GPS)+ PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
Mode 5 has been evaluated to be the worst case between Mode 1~5, thus measurement for Mode 6~7 will follow this same test mode.	
6	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz UNII 1~3)+R5 (IEEE 802.15.4_Ant. 17)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
7	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (6GHz UNII 5, 7)+R5 (IEEE 802.15.4_Ant. 17)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
Mode 6 has been evaluated to be the worst case between Mode 1~7, thus measurement for Mode 8~9 will follow this same test mode.	
8	EUT_R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz UNII 1~3)+R5 (IEEE 802.15.4_Ant. 17)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
9	EUT_R1 (6GHz UNII 7)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5)+Scanning R4 (5GHz UNII 1~3)+R5 (IEEE 802.15.4_Ant. 17)+R6 (GPS)+PoE(Powered from Eth0+Eth1 port/Test Eth1 port)
Mode 6 has been evaluated to be the worst case between Mode 1~9, thus measurement for Mode 10 will follow this same test mode.	
10	EUT_R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz UNII 1~3)+R5 (IEEE 802.15.4_Ant. 17)+R6 (GPS)+Eth1 (PSE out)+PoE(Powered from Eth0 port)
For operating mode 6 is the worst case and it was record in this test report.	



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
For Other Radios: After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report. For Scanning Radio 4 (6GHz) and Radio 5 (Bluetooth): After evaluating, the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis_R1 (2.4GHz)+PoE(Powered from Eth0+Eth1 port)
2	EUT in Y axis_R1 (5GHz UNII 1)+PoE(Powered from Eth0+Eth1 port)
3	EUT in Y axis_R1 (6GHz UNII 7)+PoE(Powered from Eth0+Eth1 port)
4	EUT in Y axis_R1 (5GHz UNII 1, 3)+PoE(Powered from Eth0+Eth1 port)
5	EUT in Y axis_R1 (6GHz UNII 5, 7)+PoE(Powered from Eth0+Eth1 port)
6	EUT in Y axis_Scanning R4 (2.4GHz)+PoE(Powered from Eth0+Eth1 port)
7	EUT in Y axis_Scanning R4 (5GHz UNII 1, 3)+PoE(Powered from Eth0+Eth1 port)
8	EUT in Z axis_Scanning R4 (6GHz 5, 7)+PoE(Powered from Eth0+Eth1 port)
9	EUT in Z axis_R5 (BT_Ant. 16)+PoE(Powered from Eth0+Eth1 port)
10	EUT in Y axis_R5 (IEEE 802.15.4_Ant. 16)+PoE(Powered from Eth0+Eth1 port)
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (Bluetooth)
2	R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (IEEE 802.15.4)
3	R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz)+R5 (Bluetooth)
4	R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz)+R5 (IEEE 802.15.4)
5	R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (6GHz)+R5 (Bluetooth)
6	R1 (2.4GHz)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (6GHz)+R5 (IEEE 802.15.4)
7	R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (Bluetooth)
8	R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (2.4GHz)+R5 (IEEE 802.15.4)
9	R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz)+R5 (Bluetooth)
10	R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (5GHz)+R5 (IEEE 802.15.4)
11	R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (6GHz)+R5 (Bluetooth)
12	R1 (5GHz UNII 1)+R2 (5GHz UNII 3)+R3 (6GHz UNII 5, 7)+Scanning R4 (6GHz)+R5 (IEEE 802.15.4)
13	R1 (6GHz UNII 7)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5)+Scanning R4 (2.4GHz)+R5 (Bluetooth)
14	R1 (6GHz UNII 7)+R2 (5GHz UNII 1, 3)+R3 (6GHz UNII 5)+Scanning R4 (2.4GHz)+R5 (IEEE 802.15.4)
Refer to Sporton Test Report No.: FA561916AB for Co-location RF Exposure Evaluation.	

Note1: R means Radio ; BT means Bluetooth.

Note2: The PoE is for measurement only, would not be marketed.

The information as below:

Power	Brand	Model
PoE	Microsemi	PD-9501-10GC/AC



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Bracket*1
Sealing Collar*2

2.5 Support Equipment

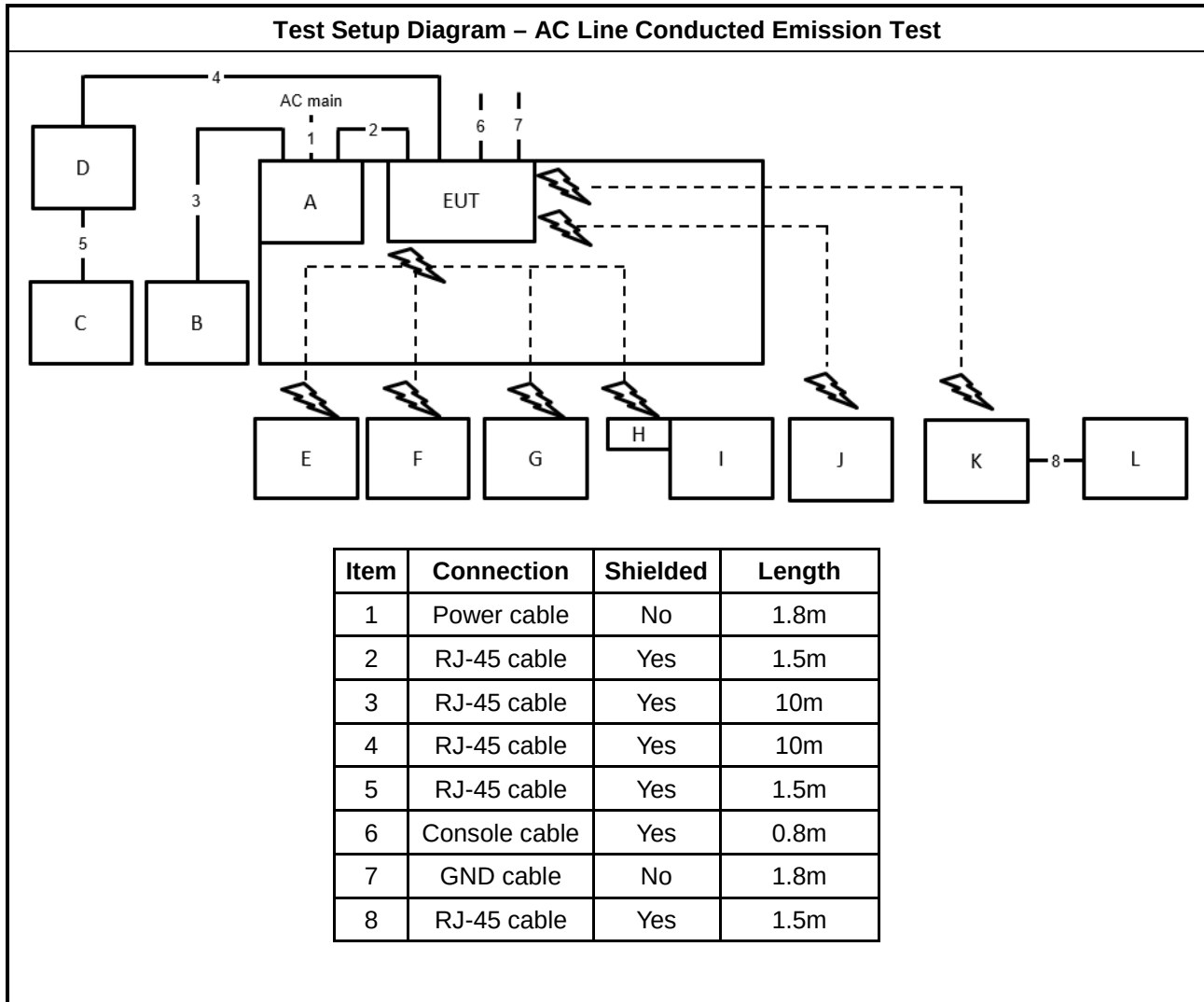
For AC Conduction:

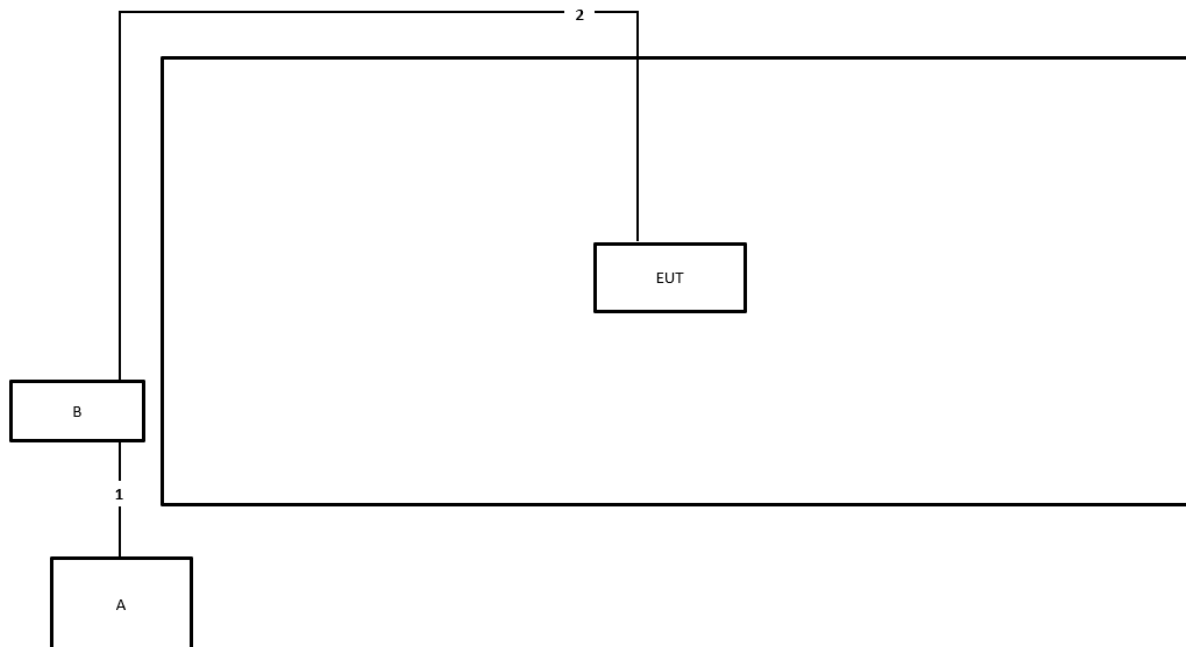
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Microsemi	PD-9501-10GC/AC	N/A
B	Eth1 PC	ASUS	S300TA	TX2-RTL8821CE
C	Eth0 PC	ASUS	S300TA	TX2-RTL8821CE
D	PoE	Microsemi	PD-9501-10GC/AC	N/A
E	5G Scan NB	Lenovo	X260	N/A
F	2.4G NB	Lenovo	X260	N/A
G	5G Full NB	Lenovo	X260	N/A
H	6G module	INTEL	BE200	N/A
I	6G Full NB	DELL	E7240	N/A
J	GPS Simulator	WELNAVIGATE	GS-100	N/A
K	Device	Extreme Networks	AP5060U	N/A
L	Device NB	Lenovo	X260	N/A

For RF Conducted and Radiated:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	RJ-45 cable	No	1m
2	RJ-45 cable	No	10m

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.

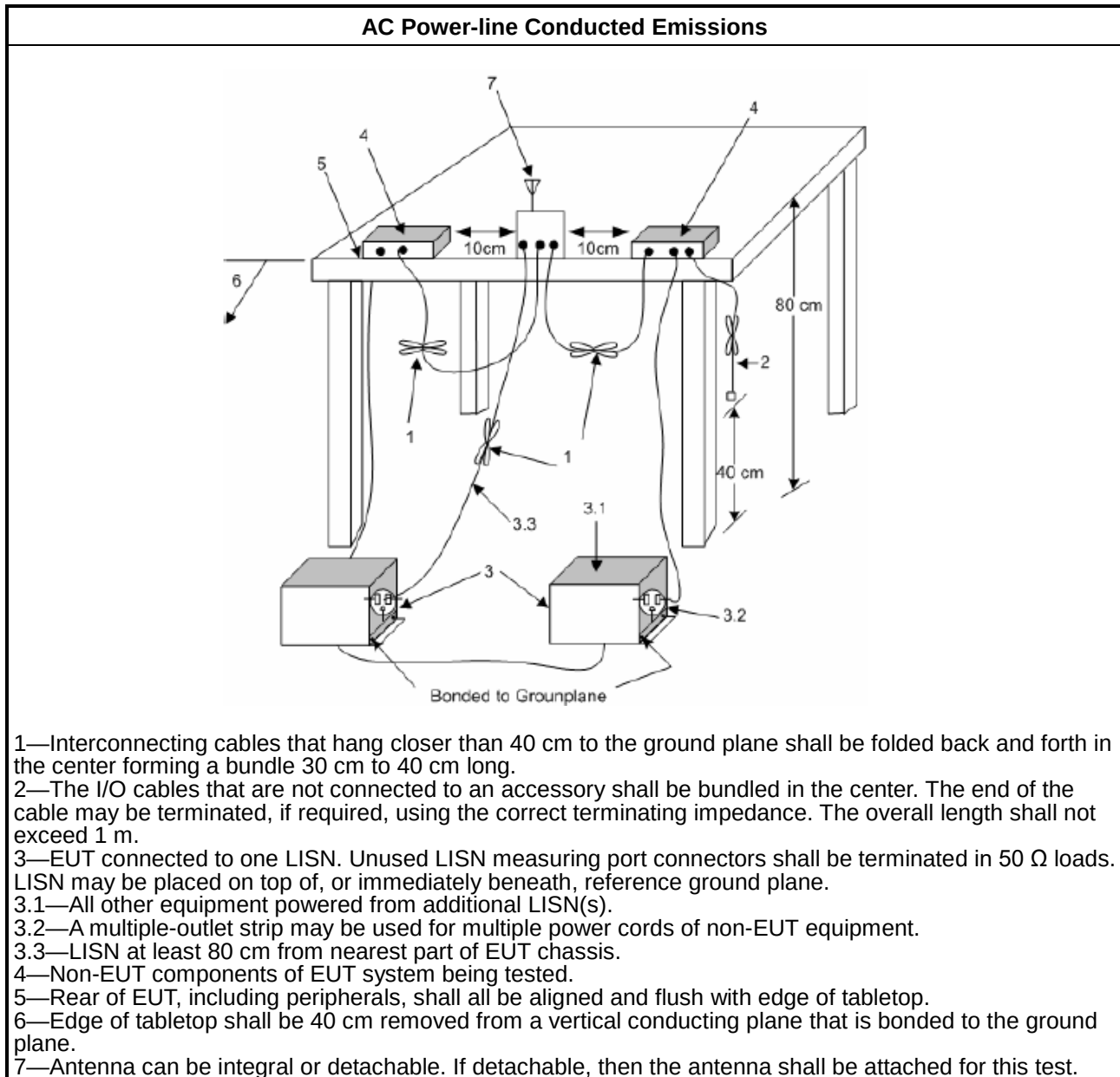
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

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.

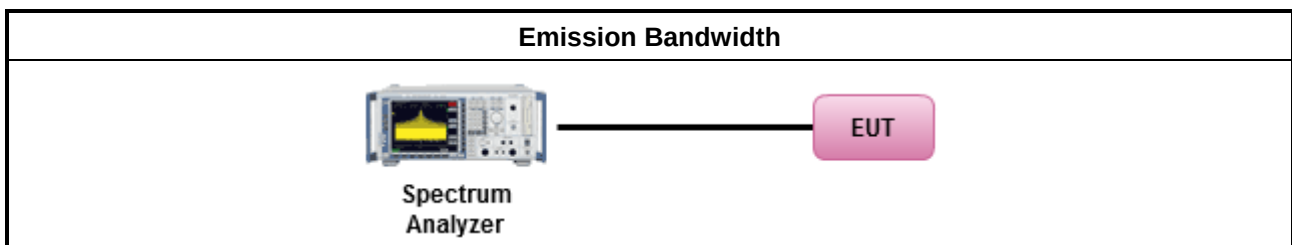
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐ Refer as ANSI C63.10, clause 6.9.1 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 $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB 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.	

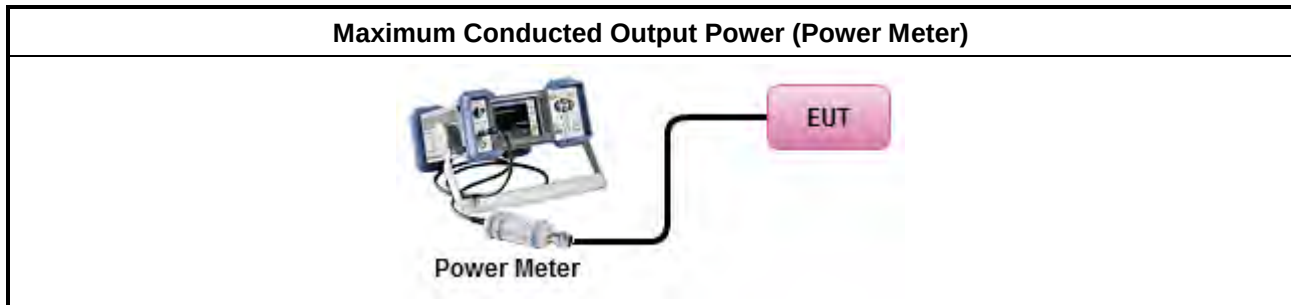
3.3.2 Measuring Instruments

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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC 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

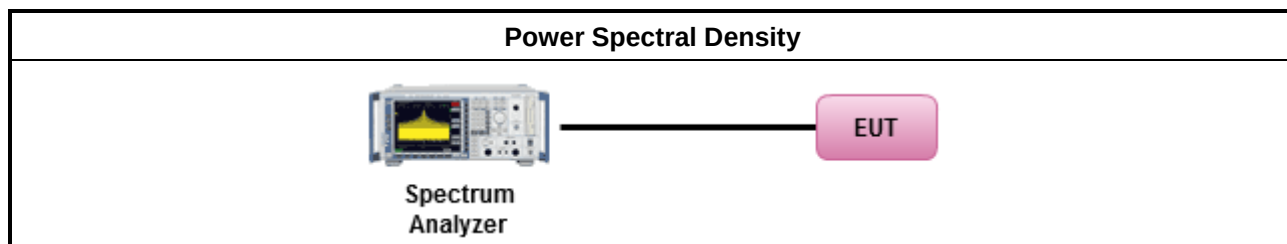
3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.
▪ For conducted measurement.
▪ If The EUT supports multiple transmit chains using options given below:
☐ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

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 (dBc)
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 PSD 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 PSD level.	

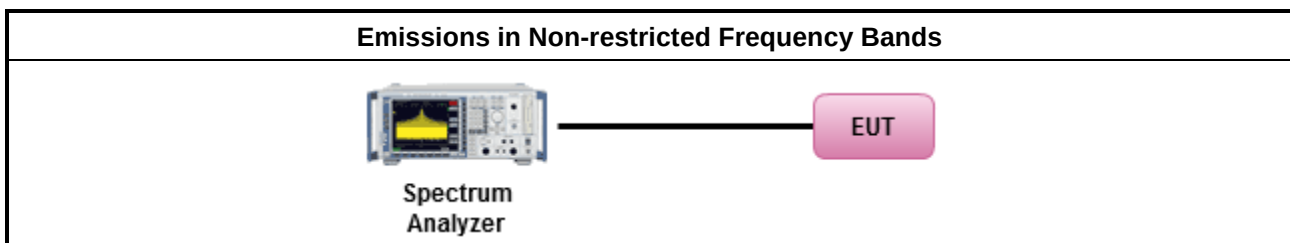
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted 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.

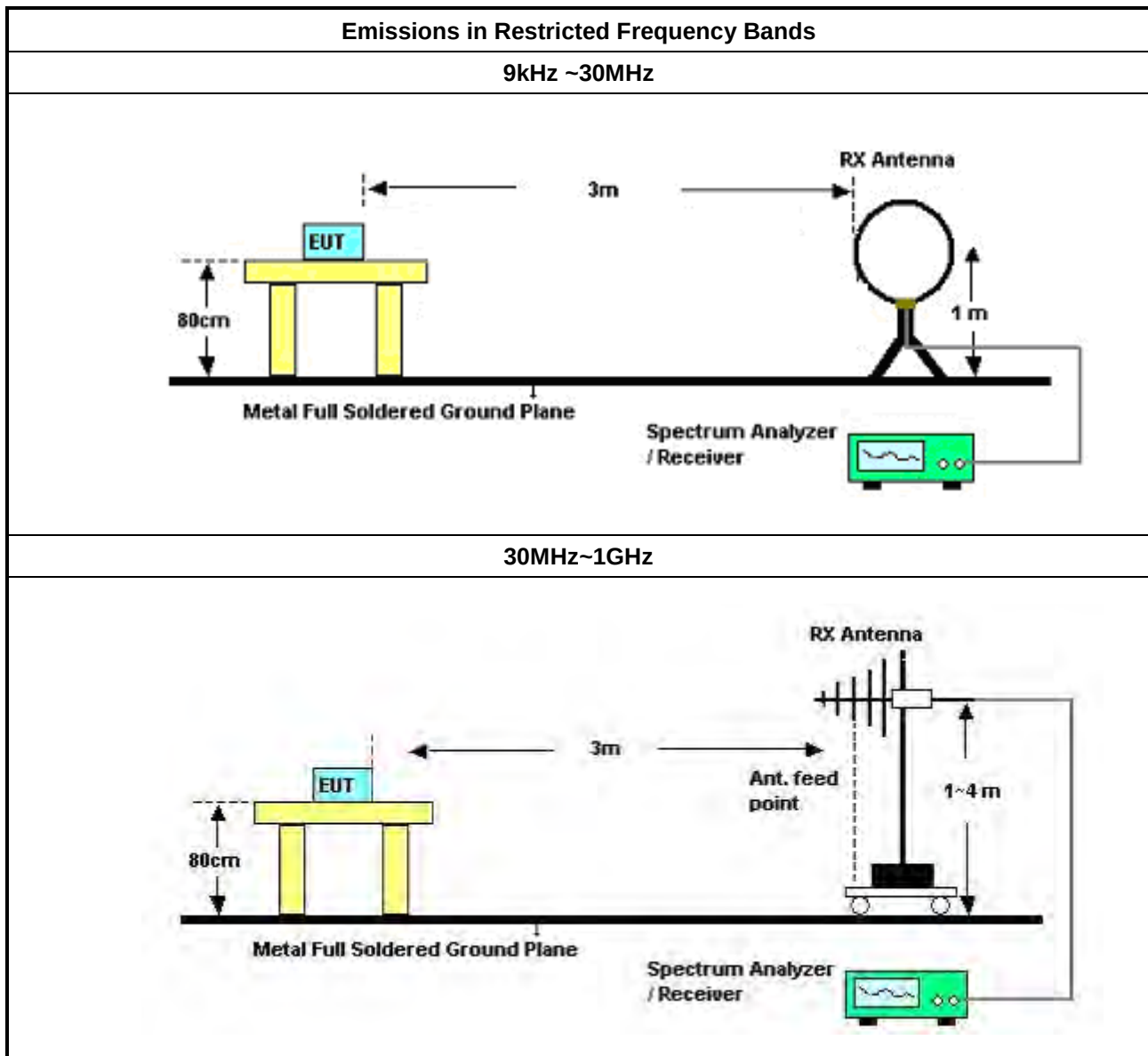
3.6.2 Measuring Instruments

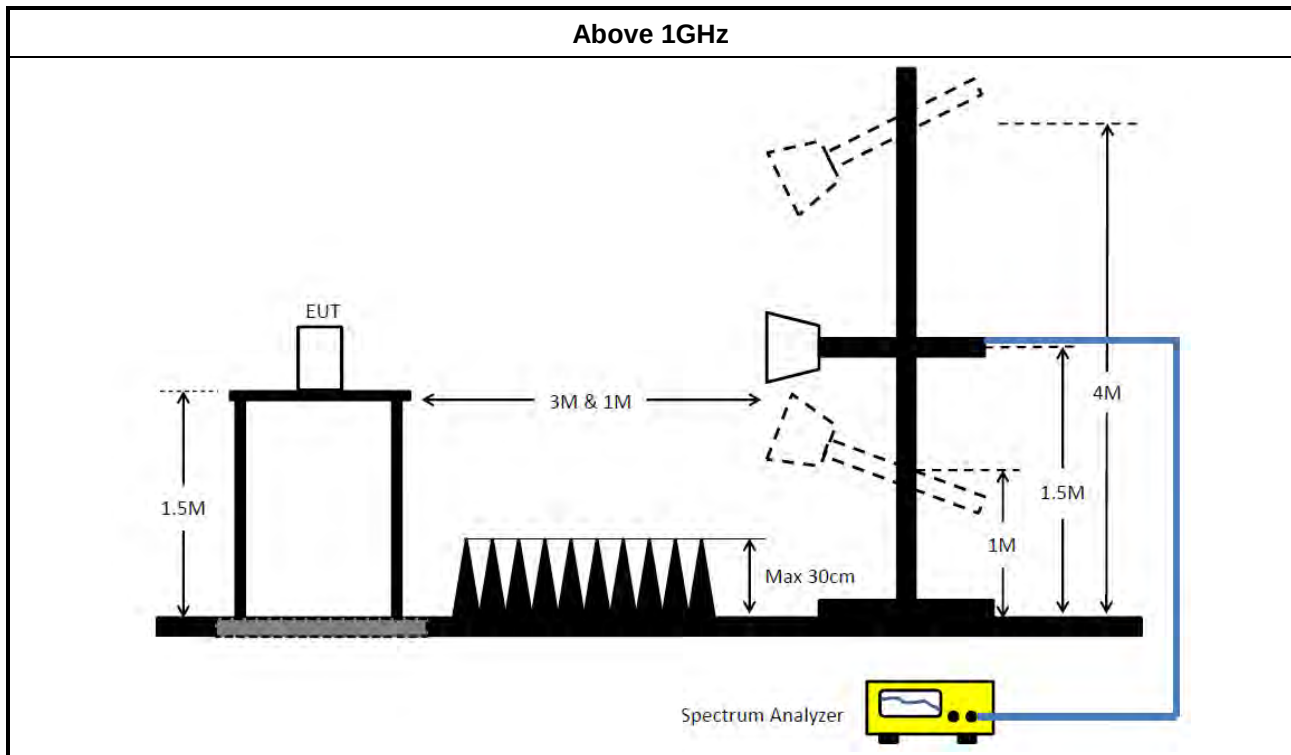
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 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 FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 20, 2025	Oct. 19, 2026	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Jul. 31, 2025	Jul. 30, 2026	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 27, 2025	Sep. 26, 2026	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCi	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 06, 2025	Jun. 05, 2026	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 7GHz	Aug. 04, 2025	Aug. 03, 2026	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	COM-POWER	AH-118	071187	1GHz – 18GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 30, 2025	Jul. 29, 2026	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 10, 2025	Jun. 09, 2026	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 02, 2025	Jan. 01, 2026	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



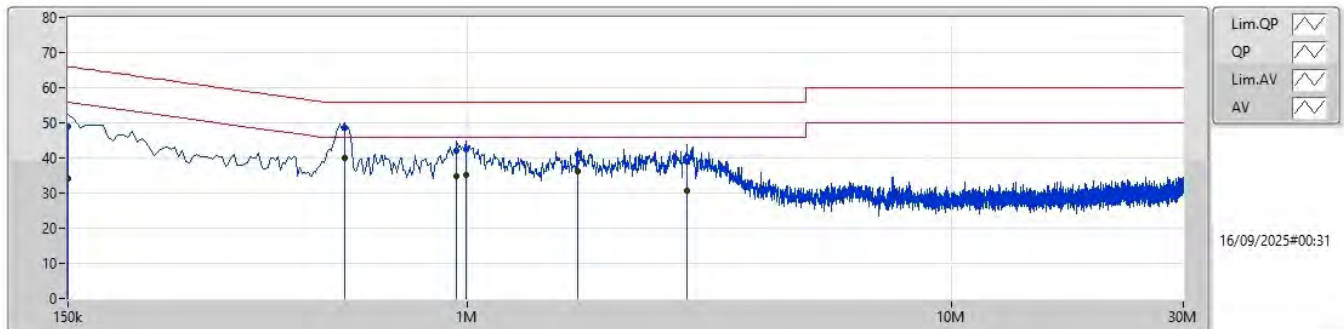
Conducted Emissions at Powerline

Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 6	Pass	AV	555k	42.80	46.00	-3.20	Neutral

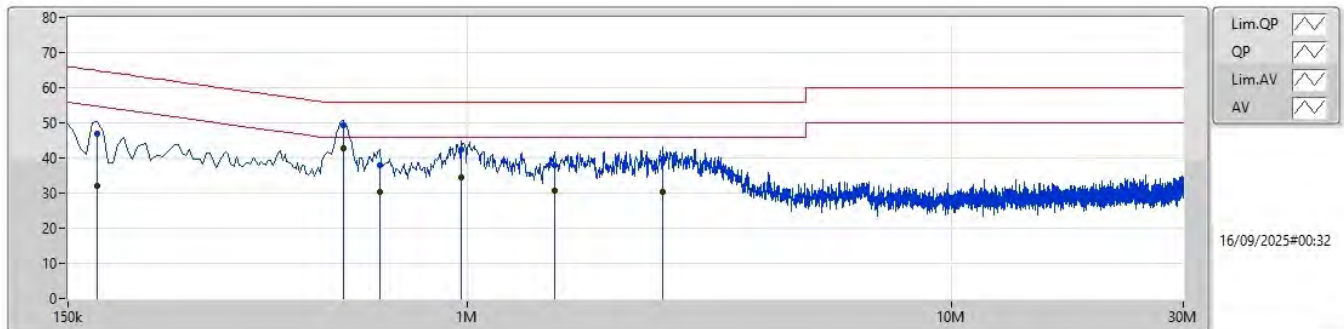
Mode 6



16/09/2025#00:31

Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	48.96	66.00	-17.04	10.04	Line	-	38.92	0.05	0.08	9.91						
AV	150k	34.14	56.00	-21.86	10.04	Line	-	24.10	0.05	0.08	9.91						
QP	559.5k	48.76	56.00	-7.24	10.26	Line	-	38.50	0.06	0.10	10.10						
AV	559.5k	39.85	46.00	-6.15	10.26	Line	"Worst"	29.59	0.06	0.10	10.10						
QP	951k	41.99	56.00	-14.01	10.32	Line	-	31.67	0.08	0.09	10.15						
AV	951k	34.66	46.00	-11.34	10.32	Line	-	24.34	0.08	0.09	10.15						
QP	991.5k	42.43	56.00	-13.57	10.33	Line	-	32.10	0.08	0.09	10.16						
AV	991.5k	35.13	46.00	-10.87	10.33	Line	-	24.80	0.08	0.09	10.16						
QP	1.685M	41.11	56.00	-14.89	10.22	Line	-	30.89	0.09	0.13	10.00						
AV	1.685M	36.18	46.00	-9.82	10.22	Line	-	25.96	0.09	0.13	10.00						
QP	2.846M	39.02	56.00	-16.98	10.18	Line	-	28.84	0.11	0.15	9.92						
AV	2.846M	30.61	46.00	-15.39	10.18	Line	-	20.43	0.11	0.15	9.92						

Mode 6



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	172.5k	46.73	64.83	-18.10	10.08	Neutral	-	36.65	0.08	0.07	9.93						
AV	172.5k	32.06	54.83	-22.77	10.08	Neutral	-	21.98	0.08	0.07	9.93						
QP	555k	49.41	56.00	-6.59	10.28	Neutral	-	39.13	0.08	0.10	10.10						
AV	555k	42.80	46.00	-3.20	10.28	Neutral	"Worst"	32.52	0.08	0.10	10.10						
QP	658.5k	38.01	56.00	-17.99	10.29	Neutral	-	27.72	0.09	0.09	10.11						
AV	658.5k	30.41	46.00	-15.59	10.29	Neutral	-	20.12	0.09	0.09	10.11						
QP	973.5k	42.45	56.00	-13.55	10.34	Neutral	-	32.11	0.09	0.09	10.16						
AV	973.5k	34.53	46.00	-11.47	10.34	Neutral	-	24.19	0.09	0.09	10.16						
QP	1.514M	37.79	56.00	-18.21	10.25	Neutral	-	27.54	0.10	0.12	10.03						
AV	1.514M	30.68	46.00	-15.32	10.25	Neutral	-	20.43	0.10	0.12	10.03						
QP	2.535M	39.26	56.00	-16.74	10.20	Neutral	-	29.06	0.13	0.14	9.93						
AV	2.535M	30.25	46.00	-15.75	10.20	Neutral	-	20.05	0.13	0.14	9.93						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.15.4_1TX	1.586M	2.351M	2M35D1D	1.571M	2.336M

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

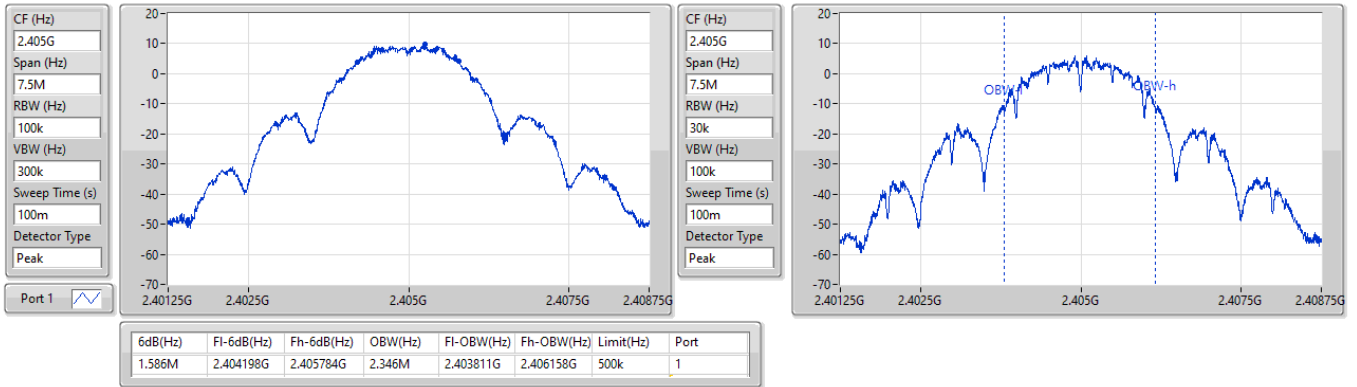
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.15.4_1TX	-	-	-	-
2405MHz	Pass	500k	1.586M	2.346M
2440MHz	Pass	500k	1.571M	2.351M
2480MHz	Pass	500k	1.579M	2.336M

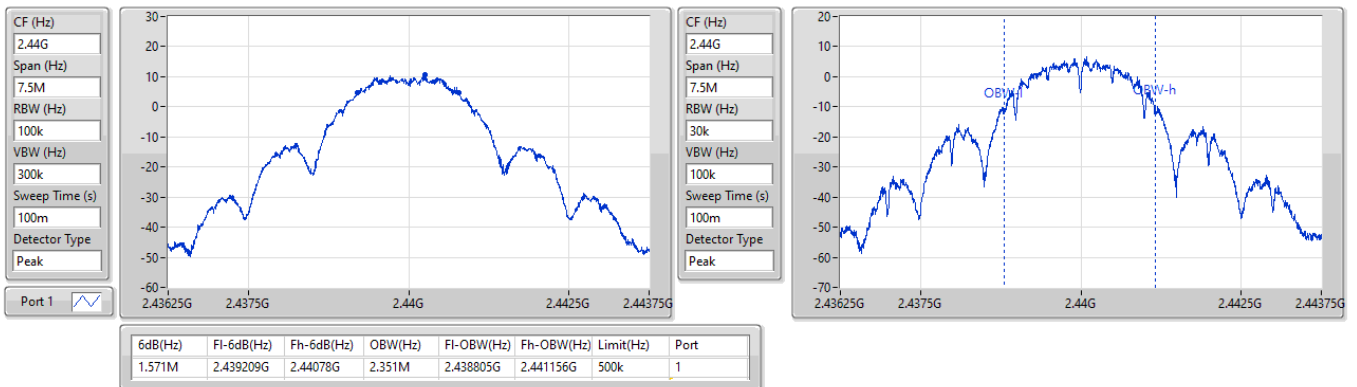
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.15.4_1TX
EBW
2405MHz

15/08/2025


2.4-2.4835GHz_802.15.4_1TX
EBW
2440MHz

15/08/2025

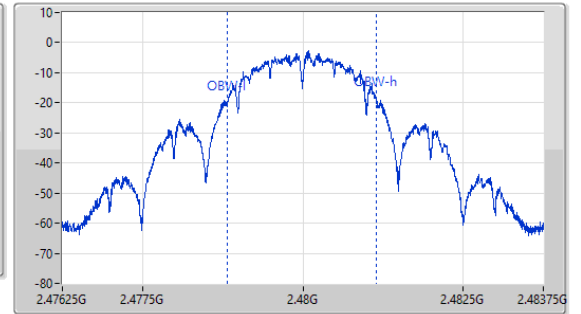
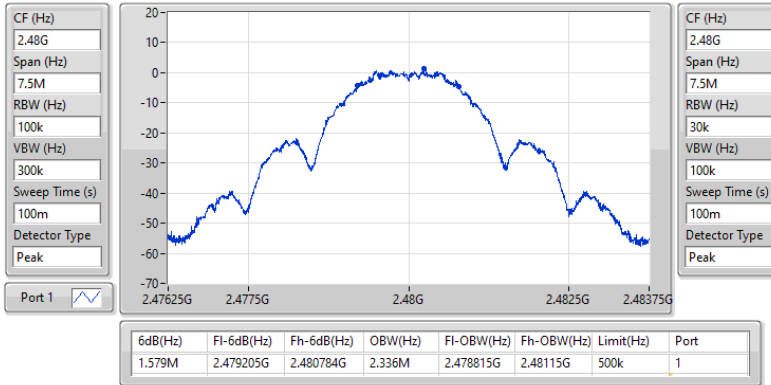


2.4-2.4835GHz_802.15.4_1TX

EBW

2480MHz

15/08/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.15.4_1TX	13.62	0.02301



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.15.4_1TX	-	-	-	-	-
2405MHz	Pass	5.50	13.21	13.21	30.00
2440MHz	Pass	5.50	13.62	13.62	30.00
2475MHz	Pass	5.50	13.57	13.57	30.00
2480MHz	Pass	5.50	4.49	4.49	30.00

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	-
802.15.4_TX	-3.84

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.15.4_1TX	-	-	-	-	-
2405MHz	Pass	5.50	-4.18	-4.18	8.00
2440MHz	Pass	5.50	-3.84	-3.84	8.00
2480MHz	Pass	5.50	-13.01	-13.01	8.00

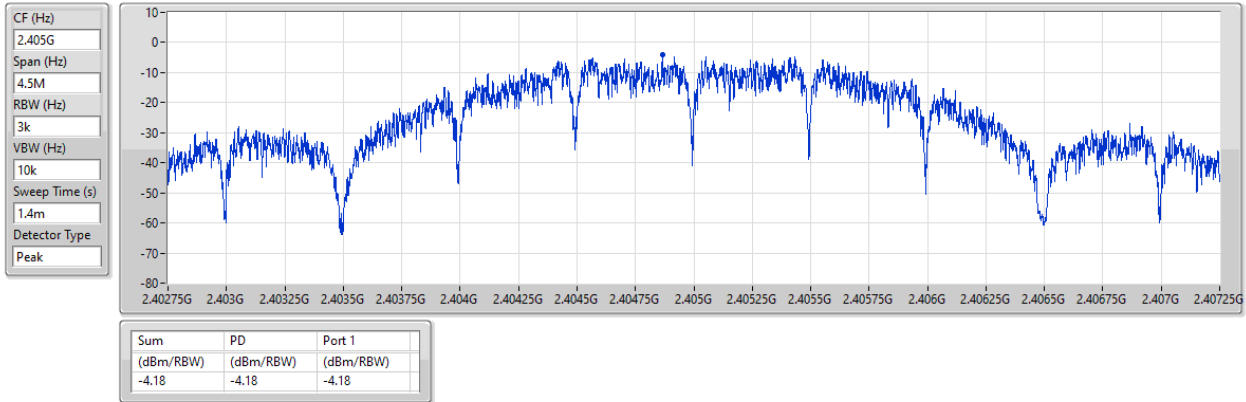
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.15.4_1TX

PSD

2405MHz

15/08/2025

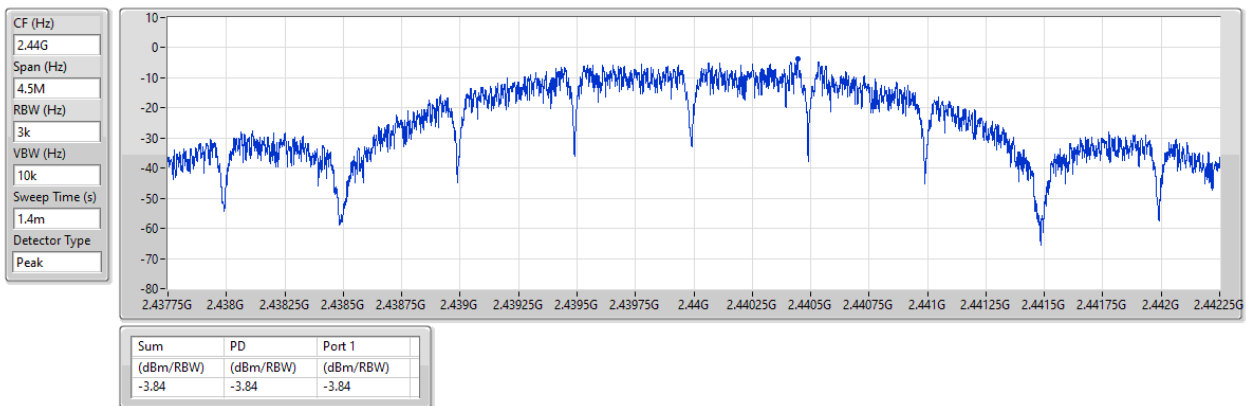


2.4-2.4835GHz_802.15.4_1TX

PSD

2440MHz

15/08/2025

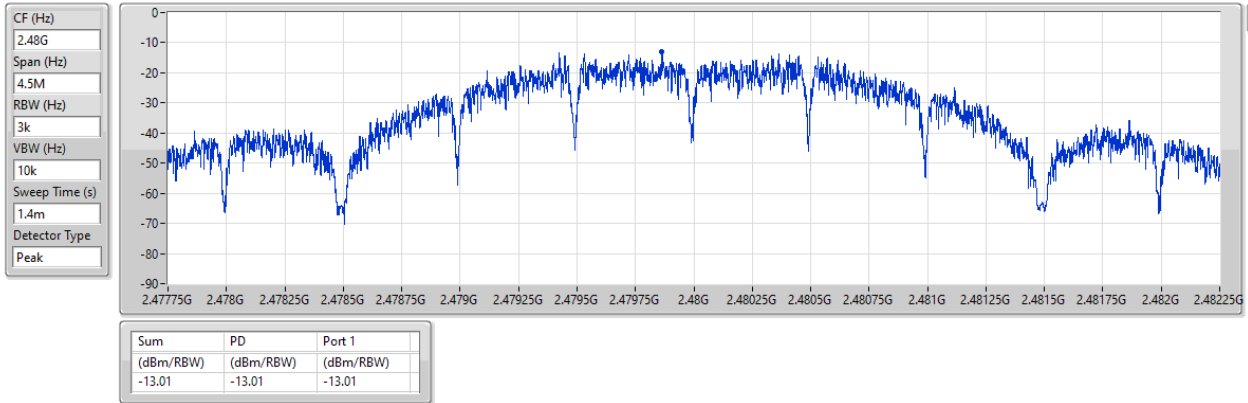


2.4-2.4835GHz_802.15.4_1TX

PSD

2480MHz

15/08/2025





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.15.4_1TX	Pass	2.44025G	9.31	-20.69	812.48M	-53.23	2.39431G	-51.85	2.4G	-57.33	21.61217G	-45.58	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.15.4_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.44025G	9.31	-20.69	2.3018G	-55.11	2.39972G	-46.41	2.4G	-55.58	21.44615G	-46.12	1
2440MHz	Pass	2.44025G	9.31	-20.69	812.48M	-53.23	2.39431G	-51.85	2.4G	-57.33	21.61217G	-45.58	1
2480MHz	Pass	2.44025G	9.31	-20.69	1.77227G	-54.19	2.39591G	-52.44	2.4G	-57.28	21.50806G	-46.24	1

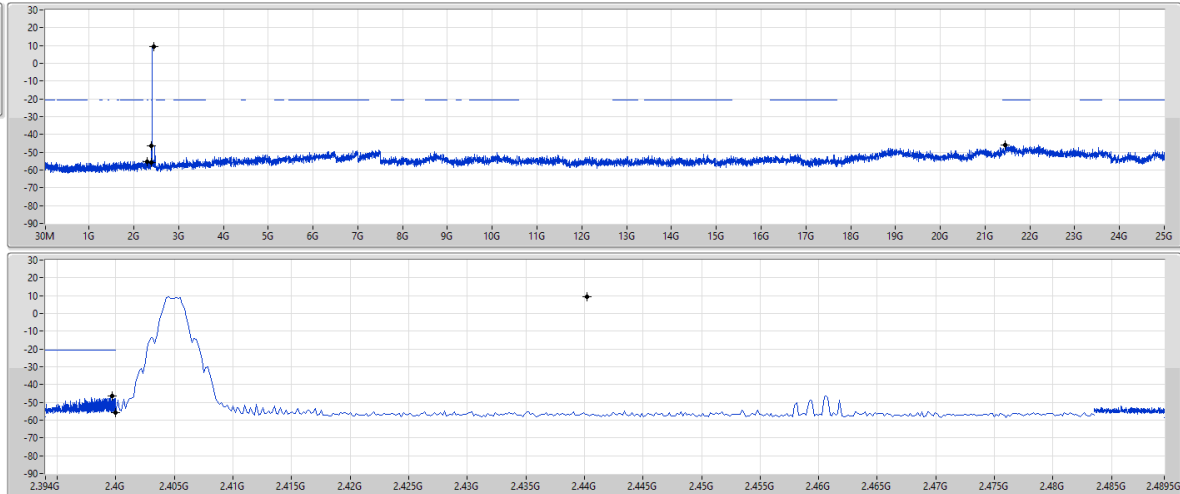
2.4-2.4835GHz_802.15.4_1TX

CSEndB

2405MHz

15/08/2025

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4025G	9.31	-20.69	2.3018G	-55.11	2.39972G	-46.41	2.4G	-55.58	2.44615G	-46.12	1

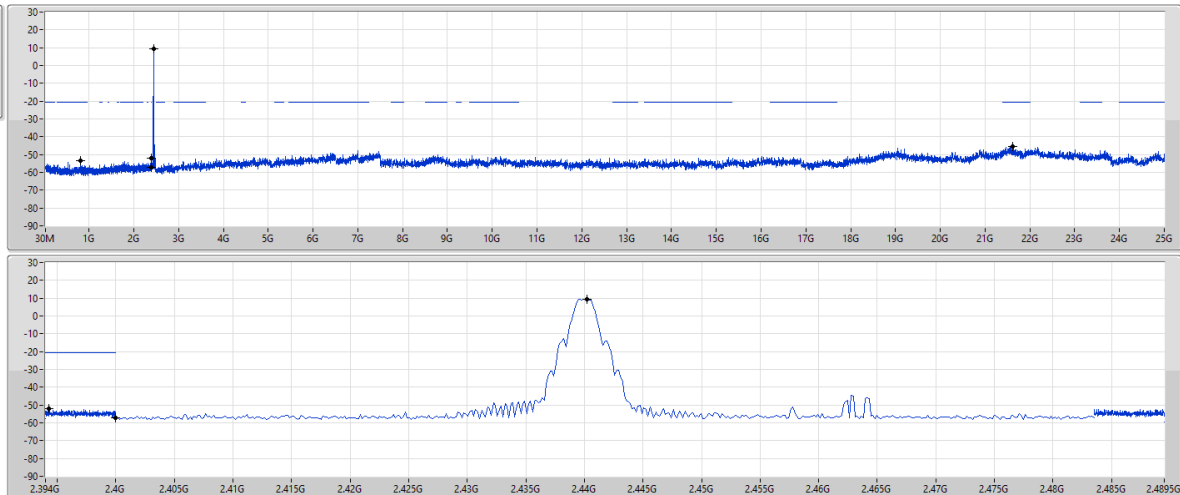
2.4-2.4835GHz_802.15.4_1TX

CSEndB

2440MHz

15/08/2025

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44025G	9.31	-20.69	812.48M	-53.23	2.39431G	-51.85	2.4G	-57.33	2.461217G	-45.58	1

2.4-2.4835GHz_802.15.4_1TX

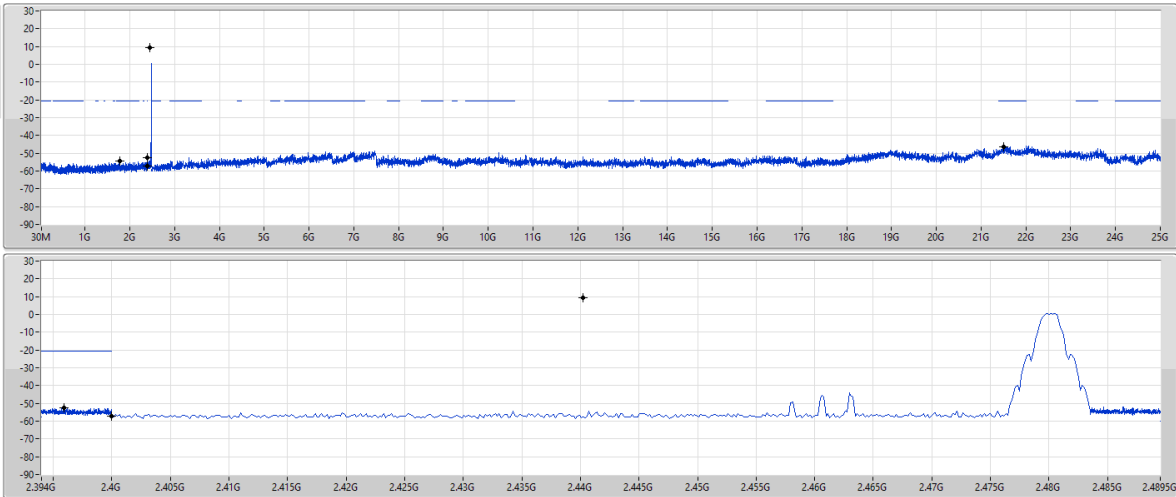
CSEndB

2480MHz

15/08/2025

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44025G	9.31	-20.69	1.77227G	-54.19	2.39591G	-52.44	2.4G	-57.28	2.50806G	-46.24	1



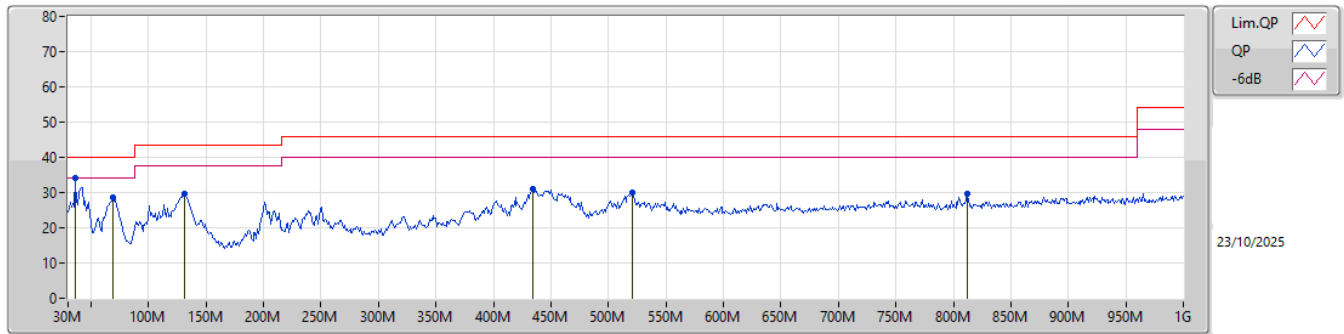
Radiated Emissions below 1GHz

Appendix F.1

Summary

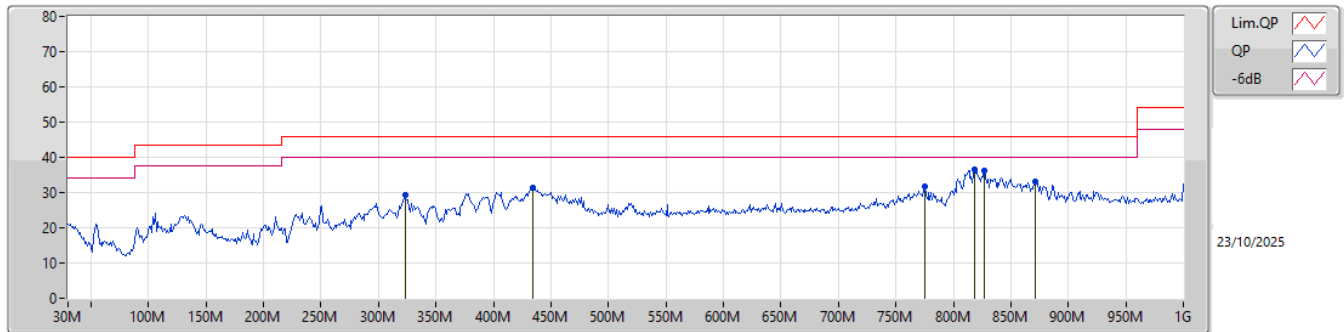
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	35.82M	34.08	40.00	-5.92	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	35.82M	34.08	40.00	-5.92	-10.24	3	Vertical	270	1.00	"Worst"	44.32	20.99	0.56	31.79		
PK	68.8M	28.74	40.00	-11.26	-18.81	3	Vertical	185	1.25	-	47.55	12.37	0.79	31.97		
PK	130.88M	29.79	43.50	-13.71	-13.10	3	Vertical	144	1.25	-	42.89	17.84	1.10	32.04		
PK	434.49M	31.07	46.00	-14.93	-7.96	3	Vertical	181	1.00	-	39.03	22.21	2.08	32.25		
PK	520.82M	30.11	46.00	-15.89	-6.71	3	Vertical	162	3.00	-	36.82	23.34	2.31	32.36		
PK	811.82M	29.60	46.00	-16.40	-3.92	3	Vertical	120	1.00	-	33.52	25.86	2.96	32.74		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	322.94M	29.25	46.00	-16.75	-10.68	3	Horizontal	0	2.00	-	39.93	19.68	1.78	32.14		
PK	434.49M	31.22	46.00	-14.78	-7.96	3	Horizontal	350	1.50	-	39.18	22.21	2.08	32.25		
PK	774.96M	31.81	46.00	-14.19	-4.05	3	Horizontal	55	2.00	-	35.86	25.71	2.88	32.64		
PK	818.61M	36.53	46.00	-9.47	-3.99	3	Horizontal	36	1.00	"Worst"	40.52	25.74	2.97	32.70		
PK	827.34M	36.07	46.00	-9.93	-3.84	3	Horizontal	43	1.25	-	39.91	25.83	2.99	32.66		
PK	870.99M	32.99	46.00	-13.01	-3.17	3	Horizontal	43	1.00	-	36.16	26.29	3.09	32.55		

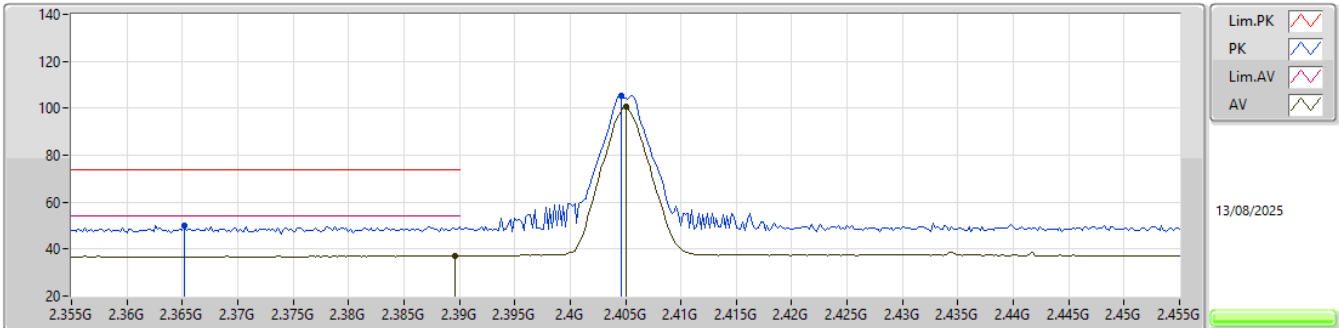


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4_1TX	Pass	AV	2.4835G	52.60	54.00	-1.40	3	Horizontal	21	2.32	-

2.4-2.4835GHz_802.15.4_1TX

2405MHz_TX

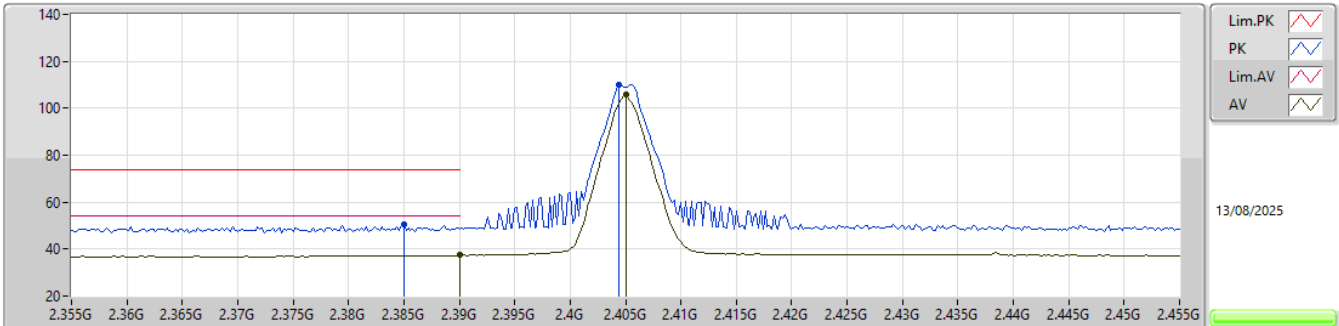


EUT Y_1TX
Setting 12
06-E-S-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3652G	49.86	74.00	-24.14	50.37	3	Vertical	338	3.00	-	28.10	4.61	33.22			
AV	2.3896G	37.08	54.00	-16.92	37.31	3	Vertical	338	3.00	-	28.39	4.62	33.24			
PK	2.4046G	105.38	Inf	-Inf	105.50	3	Vertical	338	3.00	-	28.50	4.64	33.26			
AV	2.405G	100.69	Inf	-Inf	100.81	3	Vertical	338	3.00	-	28.50	4.64	33.26			

2.4-2.4835GHz_802.15.4_1TX

2405MHz_TX

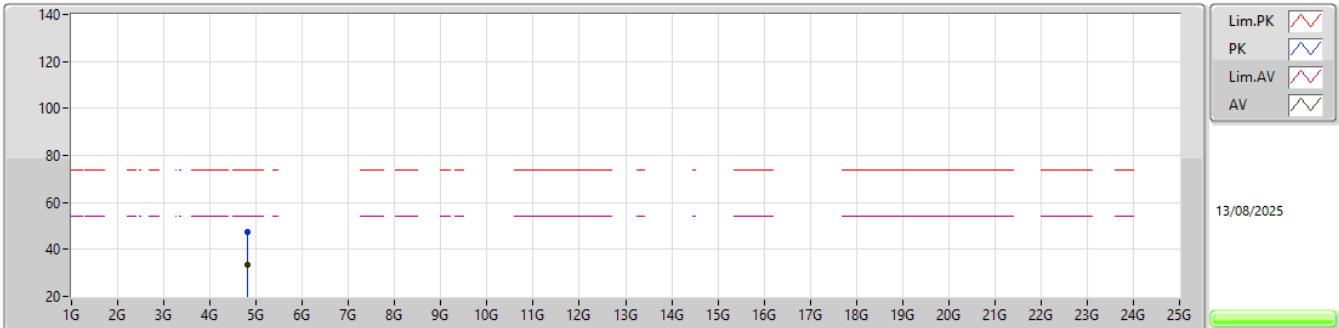


EUT_Y_1TX
Setting 12
06-E-S-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.385G	50.56	74.00	-23.44	50.88	3	Horizontal	23	2.23	-	28.30	4.62	33.24			
AV	2.39G	37.35	54.00	-16.65	37.57	3	Horizontal	23	2.23	-	28.40	4.62	33.24			
PK	2.4044G	110.13	Inf	-Inf	110.25	3	Horizontal	23	2.23	-	28.50	4.64	33.26			
AV	2.405G	105.69	Inf	-Inf	105.81	3	Horizontal	23	2.23	-	28.50	4.64	33.26			

2.4-2.4835GHz_802.15.4_1TX

2405MHz_TX

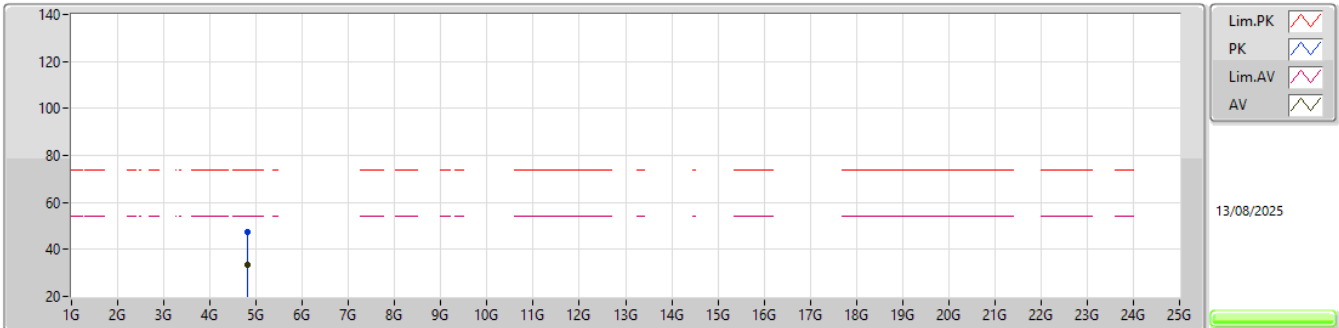


EUT_V_1TX
Setting 12
06-E-S-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.80859G	47.19	74.00	-26.81	41.30	3	Vertical	360	1.80	-	33.00	6.55	33.66			
AV	4.81237G	33.69	54.00	-20.31	27.80	3	Vertical	360	1.80	-	33.00	6.55	33.66			

2.4-2.4835GHz_802.15.4_1TX

2405MHz_TX

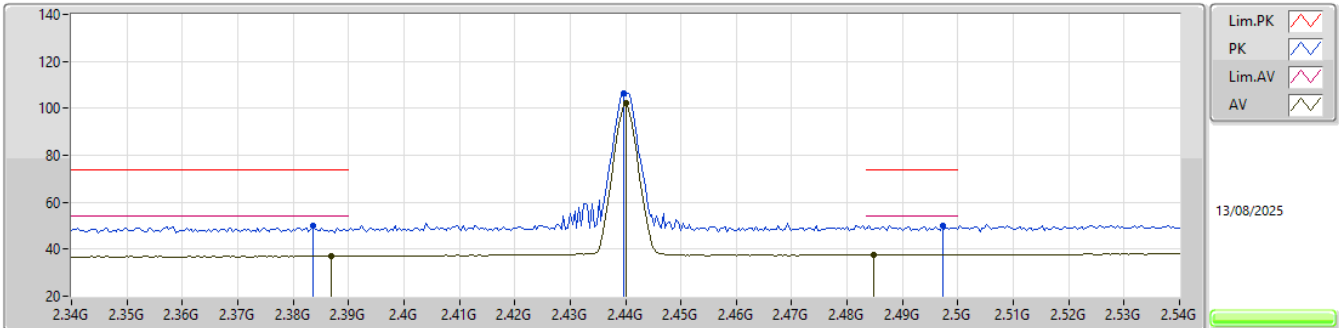


EUT_V_1TX
Setting 12
06-E-S-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.81025G	47.49	74.00	-26.51	41.60	3	Horizontal	159	2.46	-	33.00	6.55	33.66			
AV	4.81213G	33.53	54.00	-20.47	27.64	3	Horizontal	159	2.46	-	33.00	6.55	33.66			

2.4-2.4835GHz_802.15.4_1TX

2440MHz_TX

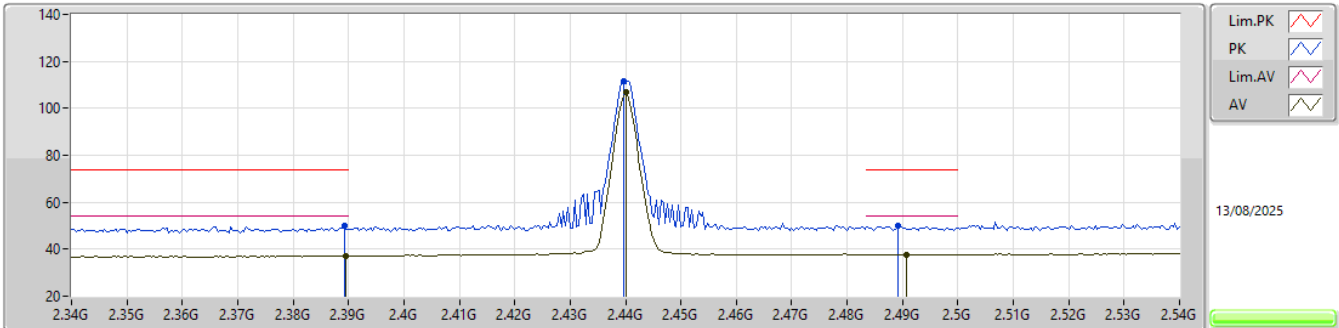


EUT_V_1TX
Setting 12
06-E-S-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3836G	49.81	74.00	-24.19	50.16	3	Vertical	333	2.96	-	28.27	4.62	33.24			
AV	2.3868G	37.13	54.00	-16.87	37.41	3	Vertical	333	2.96	-	28.34	4.62	33.24			
PK	2.4396G	106.59	Inf	-Inf	106.58	3	Vertical	333	2.96	-	28.60	4.70	33.29			
AV	2.44G	102.15	Inf	-Inf	102.14	3	Vertical	333	2.96	-	28.60	4.70	33.29			
PK	2.4972G	49.91	74.00	-24.09	49.65	3	Vertical	333	2.96	-	28.80	4.80	33.34			
AV	2.4848G	37.68	54.00	-16.32	37.44	3	Vertical	333	2.96	-	28.80	4.77	33.33			

2.4-2.4835GHz_802.15.4_1TX

2440MHz_TX

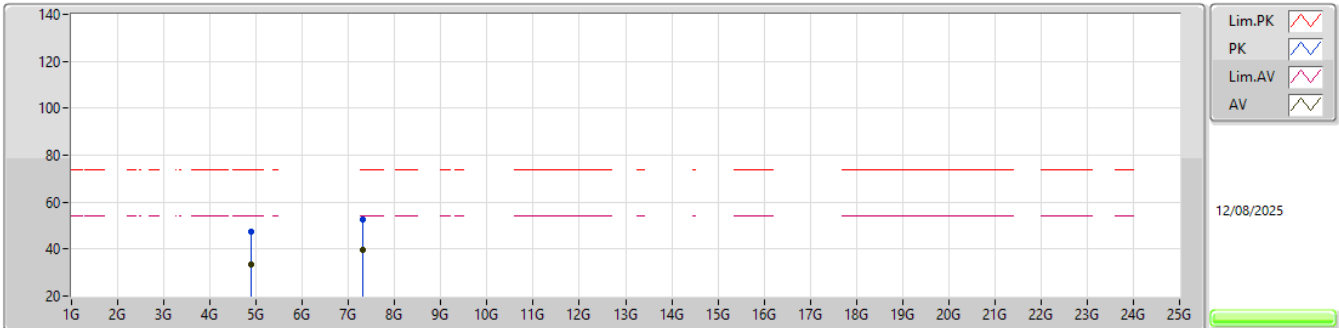


EUT_V_1TX
Setting 12
06-E-S-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3892G	49.78	74.00	-24.22	50.02	3	Horizontal	20	2.18	-	28.38	4.62	33.24			
AV	2.3896G	37.20	54.00	-16.80	37.43	3	Horizontal	20	2.18	-	28.39	4.62	33.24			
PK	2.4396G	111.37	Inf	-Inf	111.36	3	Horizontal	20	2.18	-	28.60	4.70	33.29			
AV	2.44G	106.99	Inf	-Inf	106.98	3	Horizontal	20	2.18	-	28.60	4.70	33.29			
PK	2.4892G	49.99	74.00	-24.01	49.74	3	Horizontal	20	2.18	-	28.80	4.78	33.33			
AV	2.4908G	37.74	54.00	-16.26	37.49	3	Horizontal	20	2.18	-	28.80	4.78	33.33			

2.4-2.4835GHz_802.15.4_1TX

2440MHz_TX

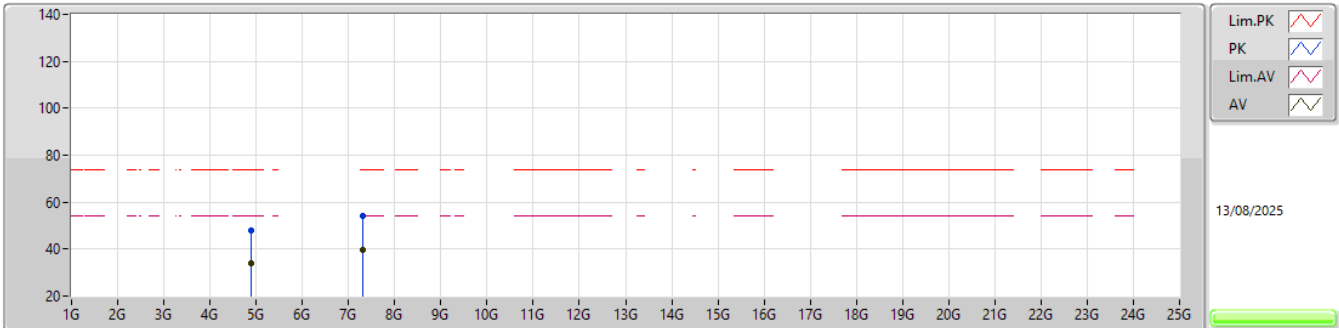


EUT_Y_1TX
Setting 12
06-E-S-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.88091G	47.17	74.00	-26.83	41.17	3	Vertical	29	2.10	-	33.12	6.55	33.67				
AV	4.87976G	33.61	54.00	-20.39	27.61	3	Vertical	29	2.10	-	33.12	6.55	33.67				
PK	7.31865G	52.74	74.00	-21.26	40.36	3	Vertical	17	2.53	-	37.34	8.58	33.54				
AV	7.31979G	39.52	54.00	-14.48	27.14	3	Vertical	17	2.53	-	37.34	8.58	33.54				

2.4-2.4835GHz_802.15.4_1TX

2440MHz_TX

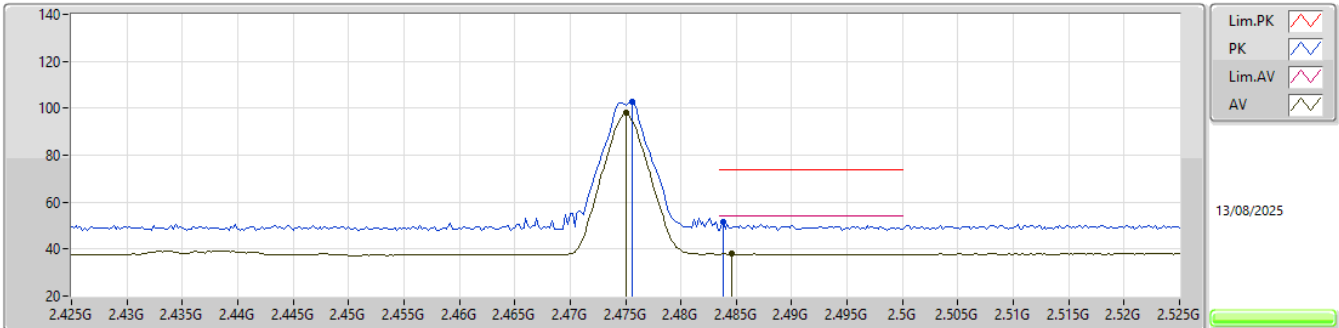


EUT_Y_1TX
Setting 12
06-E-S-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8793G	47.73	74.00	-26.27	41.73	3	Horizontal	227	1.80	-	33.12	6.55	33.67			
AV	4.88007G	33.80	54.00	-20.20	27.80	3	Horizontal	227	1.80	-	33.12	6.55	33.67			
PK	7.32152G	53.88	74.00	-20.12	41.50	3	Horizontal	16	1.80	-	37.34	8.58	33.54			
AV	7.31835G	39.90	54.00	-14.10	27.52	3	Horizontal	16	1.80	-	37.34	8.58	33.54			

2.4-2.4835GHz_802.15.4_1TX

2475MHz_TX

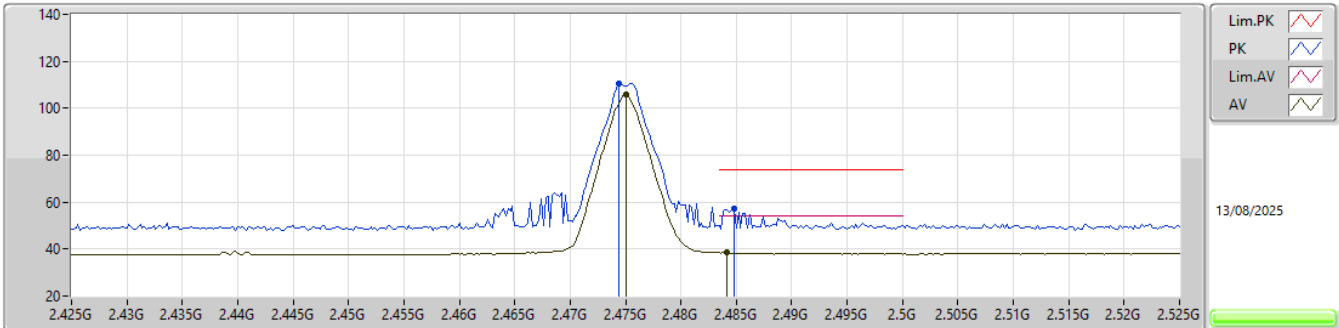


EUT_Y_1TX
Setting 12
06-E-S-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	2.4756G	102.60	Inf	-Inf	102.45	3	Vertical	33	2.85	-	28.71	4.76	33.32			
AV	2.475G	98.11	Inf	-Inf	97.97	3	Vertical	33	2.85	-	28.70	4.76	33.32			
PK	2.4838G	51.69	74.00	-22.31	51.45	3	Vertical	33	2.85	-	28.80	4.77	33.33			
AV	2.4846G	37.90	54.00	-16.10	37.66	3	Vertical	33	2.85	-	28.80	4.77	33.33			

2.4-2.4835GHz_802.15.4_1TX

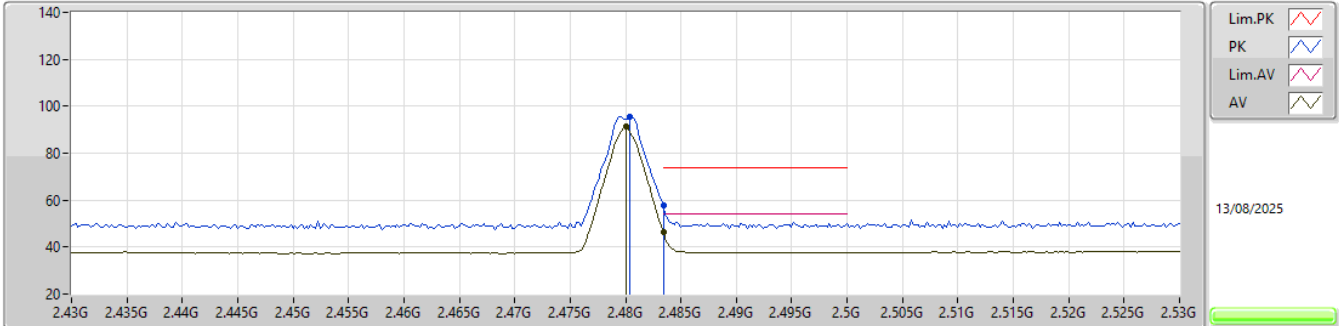
2475MHz_TX


EUT Y_1TX
Setting 12
06-E-S-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	2.4744G	110.40	Inf	-Inf	110.27	3	Horizontal	33	2.85	-	28.69	4.76	33.32			
AV	2.475G	106.04	Inf	-Inf	105.90	3	Horizontal	33	2.85	-	28.70	4.76	33.32			
PK	2.4848G	57.40	74.00	-16.60	57.16	3	Horizontal	33	2.85	-	28.80	4.77	33.33			
AV	2.4842G	38.42	54.00	-15.58	38.18	3	Horizontal	33	2.85	-	28.80	4.77	33.33			

2.4-2.4835GHz_802.15.4_1TX

2480MHz_TX

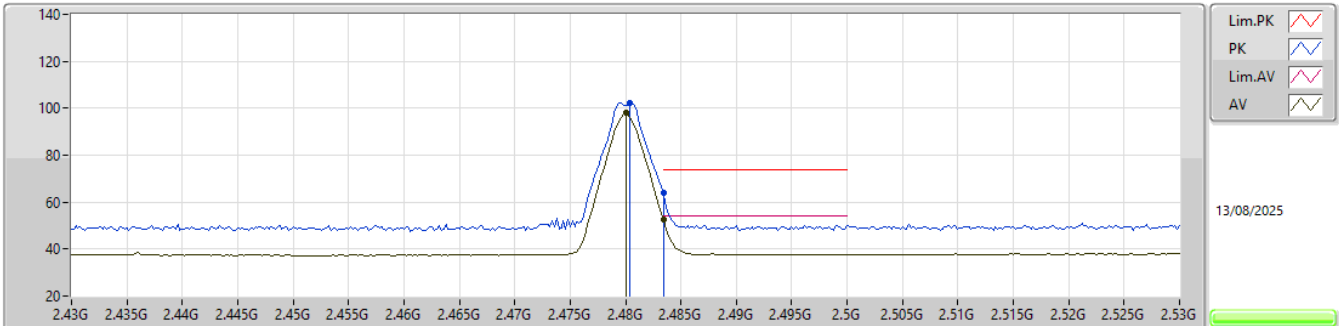


EUT Y_1TX
Setting 4
06-E-S-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	2.4804G	95.48	Inf	-Inf	95.23	3	Vertical	335	2.84	-	28.80	4.77	33.32				
AV	2.48G	91.16	Inf	-Inf	90.91	3	Vertical	335	2.84	-	28.80	4.77	33.32				
PK	2.4835G	57.57	74.00	-16.43	57.33	3	Vertical	335	2.84	-	28.80	4.77	33.33				
AV	2.4835G	46.26	54.00	-7.74	46.02	3	Vertical	335	2.84	-	28.80	4.77	33.33				

2.4-2.4835GHz_802.15.4_1TX

2480MHz_TX

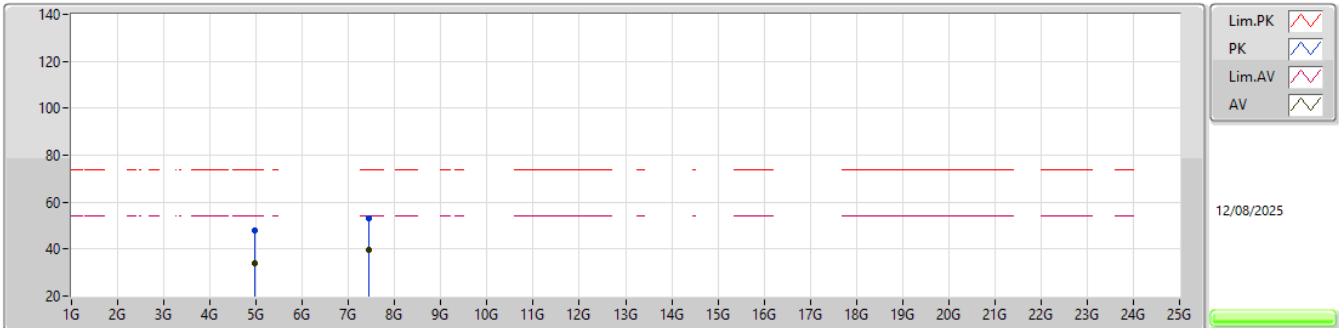


EUT Y_1TX
Setting 4
06-E-S-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	2.4804G	102.30	Inf	-Inf	102.05	3	Horizontal	21	2.32	-	28.80	4.77	33.32			
AV	2.48G	97.91	Inf	-Inf	97.66	3	Horizontal	21	2.32	-	28.80	4.77	33.32			
PK	2.4835G	63.77	74.00	-10.23	63.53	3	Horizontal	21	2.32	-	28.80	4.77	33.33			
AV	2.4835G	52.60	54.00	-1.40	52.36	3	Horizontal	21	2.32	-	28.80	4.77	33.33			

2.4-2.4835GHz_802.15.4_1TX

2480MHz_TX

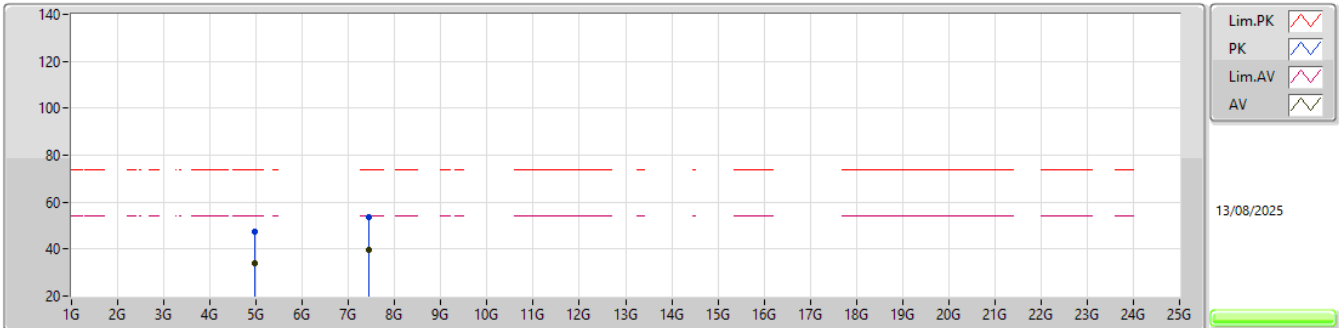


EUT Y_1TX
Setting 4
06-E-S-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.96118G	47.71	74.00	-26.29	41.63	3	Vertical	1	1.68	-	33.20	6.56	33.68				
AV	4.96105G	33.89	54.00	-20.11	27.81	3	Vertical	1	1.68	-	33.20	6.56	33.68				
PK	7.44097G	53.07	74.00	-20.93	40.57	3	Vertical	175	2.98	-	37.38	8.71	33.59				
AV	7.4425G	39.47	54.00	-14.53	26.97	3	Vertical	175	2.98	-	37.38	8.71	33.59				

2.4-2.4835GHz_802.15.4_1TX

2480MHz_TX



EUT_Y_1TX
Setting 4
06-E-S-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.96149G	47.58	74.00	-26.42	41.50	3	Horizontal	298	1.97	-	33.20	6.56	33.68				
AV	4.9591G	33.80	54.00	-20.20	27.72	3	Horizontal	298	1.97	-	33.20	6.56	33.68				
PK	7.44076G	53.38	74.00	-20.62	40.88	3	Horizontal	194	1.06	-	37.38	8.71	33.59				
AV	7.44078G	39.47	54.00	-14.53	26.97	3	Horizontal	194	1.06	-	37.38	8.71	33.59				