



RADIO TEST REPORT

FCC ID : UDX-CW9177E
Equipment : Cisco Wireless 9177E Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9177E
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Feb. 04, 2026, and testing was started from Mar. 04, 2026 and completed on Jul. 31, 2026. 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: Wendy Pan**



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:

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


1.1.2 Antenna Information

Set.	Port	Brand Name	Model Name	Antenna Type	Connector	Frequency Band	Radio (R)	Gain (dBi)
1	Note 1	WNC	CW-ANT-T-D4-N	Dipole	N-type	WLAN 2.4GHz, WLAN 5GHz, WLAN 6GHz, Bluetooth, IEEE802.15.4	R0/R1/R2/ R3/R4	Note 2
2		CISCO	AIR-ANT2588P4M-NS	Directional Antenna	N-type	WLAN 2.4GHz, WLAN 5GHz, Bluetooth, IEEE802.15.4		
3		TE connectivity	CW-ANT-T-D3-N	Directional Dipole Antenna	N-type	WLAN 2.4GHz, WLAN 5GHz, WLAN 6GHz, Bluetooth, IEEE802.15.4		
4		CISCO	AIR-ANT2513P4M-N AIR-ANT2513P4M-NS	Dual-Band Polarization Diverse Patch Array	N-type	WLAN 2.4GHz, WLAN 5GHz, Bluetooth, IEEE802.15.4		
5		CISCO	CW-ANT-T-O3-N	Omnidirectional Antenna	N-type	WLAN 2.4GHz, WLAN 5GHz, WLAN 6GHz, Bluetooth, IEEE802.15.4		
6		WNC	95XPAN15.G24	PIFA	I-PEX	GPS	R5	
7	WNC	81VEAR15.G01	Patch	SMA	GPS			

Note 1

Port	Test Port of Test Results												
	WLAN 2.4GHz (Radio 1)			WLAN 5GHz UNII 2C~3 or 6GHz (Radio 2)			WLAN 5GHz UNII 1~2A or 5GHz UNII1~3 (Radio 3)			WLAN 2.4GHz, 5GHz (Scan Radio 0)	WLAN 6GHz (Scan Radio 0)	Bluetooth / IEEE802.15.4 (Radio 4)	GPS (Radio 5)
	1TX	2TX	4TX	1TX	2TX	4TX	1TX	2TX	4TX	1TX	1TX	1TX	1TX
1	1	1	1	-	-	-	1	1	1	-	-	-	-
2	-	2	2	-	-	-	-	2	2	-	-	-	-
3	-	-	3	-	-	-	-	-	3	-	-	1	-
4	-	-	4	-	-	-	-	-	4	1	-	-	-
5	-	-	-	1	1	1	-	-	-	-	-	-	-
6	-	-	-	-	2	2	-	-	-	-	-	-	-
7	-	-	-	-	-	3	-	-	-	-	-	-	-
8	-	-	-	-	-	4	-	-	-	-	1	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	1
10	-	-	-	-	-	-	-	-	-	-	-	-	1



Note 2:

Set	Antenna Peak Gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
1		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7
	8.2	7.6	7.6	7.6	7.6	7.8	7.8	7.8
Set	Antenna Peak Gain for 30 degrees (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
1		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7
	-	-4	-	-	-	-2.8	-3.5	-3.6

Set	Port	Internal cable loss U.FL to N-Type (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
1	1	1.10	-	-	-	-	-	1.70	1.70	1.90	1.90	-	-	-	-	-	-	-	-	
	2	0.90	-	-	-	-	-	1.50	1.50	1.70	1.80	-	-	-	-	-	-	-	-	
	3	0.70	-	-	-	-	-	1.00	1.00	1.20	1.20	-	-	-	-	-	-	-	0.70	
	4	0.60	-	-	-	-	-	1.00	1.00	1.10	1.10	0.60	1.00	1.00	1.10	1.10	-	-	-	
	5	-	1.40	1.50	1.70	1.70	1.70	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	1.40	1.50	1.50	1.50	1.50	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	1.70	1.70	1.80	1.90	1.90	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	1.50	1.50	1.60	1.70	1.70	-	-	-	-	-	-	-	-	-	1.60	1.70	1.70	

Set	Port	Net Gain (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	5	6	UNII 7	
1	1	7.10	-	-	-	-	-	5.90	5.90	5.70	5.70	-	-	-	-	-	-	-	-	
	2	7.30	-	-	-	-	-	6.10	6.10	5.90	5.80	-	-	-	-	-	-	-	-	
	3	7.50	-	-	-	-	-	6.60	6.60	6.40	6.40	-	-	-	-	-	-	-	7.50	
	4	7.60	-	-	-	-	-	6.60	6.60	6.50	6.50	7.60	6.60	6.60	6.50	6.50	-	-	-	
	5	-	6.20	6.10	6.10	6.10	6.10	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	6.20	6.10	6.30	6.30	6.30	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	5.90	5.90	6.00	5.90	5.90	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	6.10	6.10	6.20	6.10	6.10	-	-	-	-	-	-	-	-	6.20	6.10	6.10	-	

Set	Port	Net Gain for 30 degrees (dBi)																			
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)						WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7		
1	1	-	-	-	-	-	-	-5.70	-	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-	-5.50	-	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-	-5.00	-	-	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-	-5.00	-	-	-	-	-5.00	-	-	-	-	-	-	-	
	5	-	-	-	-4.50	-5.20	-5.30	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	-	-	-4.30	-5.00	-5.10	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	-	-	-4.60	-5.40	-5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	-	-	-4.40	-5.20	-5.30	-	-	-	-	-	-	-	-	-	-4.40	-5.20	-5.30	-	



Set	Ant.	Port	Antenna Peak Gain (dBi)																	
			WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)							Bluetooth / IEEE802.15.4 (Radio 4)
				UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	
2	1	1	7.10	-	-	-	-	-	7.80	7.80	7.80	7.80	-	-	-	-	-	-	-	-
	2	2	9.10	-	-	-	-	-	9.60	9.60	9.60	9.60	-	-	-	-	-	-	-	-
	3	3	9.10	-	-	-	-	-	9.60	9.60	9.60	9.60	-	-	-	-	-	-	-	9.10
	4	4	7.10	-	-	-	-	-	7.80	7.80	7.80	7.80	7.10	7.80	7.80	7.80	7.80	-	-	-
	5	1	-	7.80	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	2	-	9.60	9.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	3	-	9.60	9.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	4	-	7.80	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antenna Peak Gain for 30 degrees (dBi)																				
WLAN 5GHz / UNII 1																				
3																				

Set	Port	Internal cable loss U.F.L to N-Type (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
2	1	1.10	-	-	-	-	-	1.70	1.70	1.90	1.90	-	-	-	-	-	-	-	-	
	2	0.90	-	-	-	-	-	1.50	1.50	1.70	1.80	-	-	-	-	-	-	-	-	
	3	0.70	-	-	-	-	-	1.00	1.00	1.20	1.20	-	-	-	-	-	-	-	0.70	
	4	0.60	-	-	-	-	-	1.00	1.00	1.10	1.10	0.60	1.00	1.00	1.10	1.10	-	-	-	
	5	-	1.40	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	1.40	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	1.70	1.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	1.50	1.50	-	-	-	-	-	-	-	-	-	-	-	-	1.60	1.70	1.70	

Set	Port	N-Type cable loss (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
2	1	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	-	-	-	-	-	-	-	-	
	2	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	-	-	-	-	-	-	-	-	
	3	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	-	-	-	-	-	-	-	0.50	
	4	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	0.50	0.80	0.80	0.80	0.80	-	-	-	-
	5	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Set	Port	Net Gain (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
2	1	5.50	-	-	-	-	-	5.30	7.10	5.10	5.10	-	-	-	-	-	-	-	-	-
	2	7.70	-	-	-	-	-	7.30	7.30	7.10	7.00	-	-	-	-	-	-	-	-	-
	3	7.90	-	-	-	-	-	7.80	7.80	7.60	7.60	-	-	-	-	-	-	-	-	7.90
	4	6.00	-	-	-	-	-	6.00	7.80	5.90	5.90	6.00	6.00	6.00	5.90	5.90	-	-	-	-
	5	-	5.60	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	7.40	7.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	7.10	7.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	5.50	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Port	Net Gain for 30 degrees (dBi)																		
		WLAN 5GHz / UNII 1																		
	1	0.50																		
	2	0.70																		
	3	1.20																		
4	1.20																			



Set	Antenna Peak Gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
3		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7
	6.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50
Set	Antenna Peak Gain for 30 degrees (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
3		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7
	-	5.00	-	-	-	1.00	1.00	0.50

Set	Port	Internal cable loss U.FL to N-Type (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
3	1	1.10	-	-	-	-	-	1.70	1.70	1.90	1.90	-	-	-	-	-	-	-	-	
	2	0.90	-	-	-	-	-	1.50	1.50	1.70	1.80	-	-	-	-	-	-	-	-	
	3	0.70	-	-	-	-	-	1.00	1.00	1.20	1.20	-	-	-	-	-	-	-	0.70	
	4	0.60	-	-	-	-	-	1.00	1.00	1.10	1.10	0.60	1.00	1.00	1.10	1.10	-	-	-	
	5	-	1.40	1.50	1.70	1.70	1.70	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	1.40	1.50	1.50	1.50	1.50	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	1.70	1.70	1.80	1.90	1.90	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	1.50	1.50	1.60	1.70	1.70	-	-	-	-	-	-	-	-	-	1.60	1.70	1.70	

Set	Port	Net Gain (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
3	1	4.90	-	-	-	-	-	5.80	5.80	5.60	5.60	-	-	-	-	-	-	-	-	-
	2	5.10	-	-	-	-	-	6.00	6.00	5.80	5.70	-	-	-	-	-	-	-	-	-
	3	5.30	-	-	-	-	-	6.50	6.50	6.30	6.30	-	-	-	-	-	-	-	-	5.30
	4	5.40	-	-	-	-	-	6.50	6.50	6.40	6.40	5.40	6.50	6.50	6.40	6.40	-	-	-	-
	5	-	6.10	6.00	5.80	5.80	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	6.10	6.00	6.00	6.00	6.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	5.80	5.80	5.70	5.60	5.60	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	6.00	6.00	5.90	5.80	5.80	-	-	-	-	-	-	-	-	-	5.90	5.80	5.80	-

Set	Port	Net Gain for 30 degrees (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
3	1	-	-	-	-	-	3.30	-	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	3.50	-	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	4.00	-	-	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	4.00	-	-	-	-	4.00	-	-	-	-	-	-	-	
	5	-	-	-	-0.70	-0.70	-1.20	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	-	-	-0.50	-0.50	-1.00	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	-	-	-0.80	-0.90	-1.40	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	-	-	-0.60	-0.70	-1.20	-	-	-	-	-	-	-	-	-0.60	-0.70	-1.20	-	



Set	Antenna Peak Gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
UNII 1		UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
4		13.00	13.00	13.00	13.00	-	-	-
Set	Antenna Peak Gain for 30 degrees (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
UNII 1		UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
4		-	1.00	-	-	-	-	-

Set	Port	Internal cable loss U.FL to N-Type (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
4	1	1.10	-	-	-	-	-	1.70	1.70	1.90	1.90	-	-	-	-	-	-	-	-	-
	2	0.90	-	-	-	-	-	1.50	1.50	1.70	1.80	-	-	-	-	-	-	-	-	-
	3	0.70	-	-	-	-	-	1.00	1.00	1.20	1.20	-	-	-	-	-	-	-	-	0.70
	4	0.60	-	-	-	-	-	1.00	1.00	1.10	1.10	0.60	1.00	1.00	1.10	1.10	-	-	-	-
	5	-	1.40	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	1.40	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	1.70	1.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	1.50	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Set	Port	N-Type cable loss (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
4	1	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	-	-	-	-	-	-	-	-	
	2	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	-	-	-	-	-	-	-	-	
	3	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	-	-	-	-	-	-	-	0.50	
	4	0.50	-	-	-	-	-	0.80	0.80	0.80	0.80	0.50	0.80	0.80	0.80	0.80	-	-	-	-
	5	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	0.80	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Set	Port	Net Gain (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
4	1	11.40	-	-	-	-	-	10.50	10.50	10.30	10.30	-	-	-	-	-	-	-	-	-
	2	11.60	-	-	-	-	-	10.70	10.70	10.50	10.40	-	-	-	-	-	-	-	-	-
	3	11.80	-	-	-	-	-	11.20	11.20	11.00	11.00	-	-	-	-	-	-	-	-	11.80
	4	11.90	-	-	-	-	-	11.20	11.20	11.10	11.10	11.90	11.20	11.20	11.10	11.10	-	-	-	-
	5	-	10.80	10.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	10.80	10.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	10.50	10.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	10.70	10.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Set	Port	Net Gain for 30 degrees (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
4	1	-	-	-	-	-	-1.50	-	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-1.30	-	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-0.80	-	-	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-0.80	-	-	-	-	-0.80	-	-	-	-	-	-	-	
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Set	Antenna Peak Gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
5		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7
	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Set	Antenna Peak Gain for 30 degrees (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
5		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7
	-	-0.50	-	-	-	1.00	1.00	1.00

Set	Port	Internal cable loss U.FL to N-Type (dB)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	5	6	7	
5	1	1.10	-	-	-	-	-	1.70	1.70	1.90	1.90	-	-	-	-	-	-	-	-	-
	2	0.90	-	-	-	-	-	1.50	1.50	1.70	1.80	-	-	-	-	-	-	-	-	-
	3	0.70	-	-	-	-	-	1.00	1.00	1.20	1.20	-	-	-	-	-	-	-	-	0.70
	4	0.60	-	-	-	-	-	1.00	1.00	1.10	1.10	0.60	1.00	1.00	1.10	1.10	-	-	-	-
	5	-	1.40	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	1.40	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	1.70	1.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	1.50	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Set	Port	Net Gain (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
5	1	2.90	-	-	-	-	-	2.30	2.30	2.10	2.10	-	-	-	-	-	-	-	-	-
	2	3.10	-	-	-	-	-	2.50	2.50	2.30	2.20	-	-	-	-	-	-	-	-	-
	3	3.30	-	-	-	-	-	3.00	3.00	2.80	2.80	-	-	-	-	-	-	-	-	3.30
	4	3.40	-	-	-	-	-	3.00	3.00	2.90	2.90	3.40	3.00	3.00	2.90	2.90	-	-	-	-
	5	-	2.60	2.50	2.30	2.30	2.30	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	2.60	2.50	2.50	2.50	2.50	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	2.30	2.30	2.20	2.10	2.10	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	-	2.50	2.50	2.40	2.30	2.30	-	-	-	-	-	-	-	-	-	2.40	2.30	2.30	-

Set	Port	Net Gain for 30 degrees (dBi)																		
		WLAN 2.4GHz (Radio 1)	WLAN 5GHz, 6GHz (Radio 2)					WLAN 5GHz (Radio 3)				WLAN 2.4GHz, 5GHz, 6GHz (Scan Radio 0)								Bluetooth / IEEE802.15.4 (Radio 4)
			UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 1	UNII 2A	UNII 2C	UNII 3	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	
5	1	-	-	-	-	-	-2.20	-	-	-	-	-	-	-	-	-	-	-	-	
	2	-	-	-	-	-	-2.00	-	-	-	-	-	-	-	-	-	-	-	-	
	3	-	-	-	-	-	-1.50	-	-	-	-	-	-	-	-	-	-	-	-	
	4	-	-	-	-	-	-1.50	-	-	-	-	-1.50	-	-	-	-	-	-	-	
	5	-	-	-	-0.70	-0.70	-0.70	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	-	-	-0.50	-0.50	-0.50	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	-	-	-0.80	-0.90	-0.90	-	-	-	-	-	-	-	-	-	-	-	-	
	8	-	-	-	-0.60	-0.70	-0.70	-	-	-	-	-	-	-	-	-0.60	-0.70	-0.70	-	



Set	Port	Antenna Peak Gain (dBi)
		GPS (Radio 5)
6	9	3.2
7	10	2.98

Set	Port	Internal cable loss U.FL to N-Type (dB)
		GPS (Radio 5)
7	10	0.50

Set	Port	Net Gain (dBi)
		GPS (Radio 5)
7	10	2.48

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

For 2TX:

$$N_{SS1}(g1,1) = 10^{G1/20} ; N_{SS1}(g1,2) = 10^{G2/20} ;$$

$$g_{j,k} = (N_{SS1}(g1,1) + N_{SS1}(g1,2))^2$$

$$DG = 10 \log[(N_{SS1}(g1,1) + N_{SS1}(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

For 4TX:

$$N_{SS1}(g1,1) = 10^{G1/20} ; N_{SS1}(g1,2) = 10^{G2/20} ; N_{SS1}(g1,3) = 10^{G3/20} ; N_{SS1}(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (N_{SS1}(g1,1) + N_{SS1}(g1,2) + N_{SS1}(g1,3) + N_{SS1}(g1,4))^2$$

$$DG = 10 \log[(N_{SS1}(g1,1) + N_{SS1}(g1,2) + N_{SS1}(g1,3) + N_{SS1}(g1,4))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where;



**For Minimum Antenna Gain Configuration:
For Directional Gain:**

Radio	Mode		Mini Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
1	2.4GHz	2TX	2.90	3.10	-	-	6.01	
		4TX	2.90	3.10	3.30	3.40	9.20	
2	5GHz UNII-2C	2TX	2.60	2.60	-	-	5.61	
		4TX	2.60	2.60	2.30	2.50	8.52	
	5GHz UNII-3	2TX	2.50	2.50	-	-	5.51	
		4TX	2.50	2.50	2.30	2.50	8.47	
	6GHz UNII-5	2TX	2.30	2.50	-	-	5.41	
		4TX	2.30	2.50	2.20	2.40	8.37	
	6GHz UNII-6	2TX	2.30	2.50	-	-	5.41	
		4TX	2.30	2.50	2.10	2.30	8.32	
	6GHz UNII-7	2TX	2.30	2.50	-	-	5.41	
		4TX	2.30	2.50	2.10	2.30	8.32	
3	5GHz UNII-1	2TX	2.30	2.50	-	-	5.41	
		4TX	2.30	2.50	3.00	3.00	8.73	
	5GHz UNII-2A	2TX	2.30	2.50	-	-	5.41	
		4TX	2.30	2.50	3.00	3.00	8.73	
	5GHz UNII-2C	2TX	2.10	2.30	-	-	5.21	
		4TX	2.10	2.30	2.80	2.90	8.55	
	5GHz UNII-3	2TX	2.10	2.30	-	-	5.21	
		4TX	2.10	2.20	2.80	2.90	8.53	

For Antenna Gain above 30 degrees:

Radio	Mode		Mini Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
2	6G UNII-5	2TX	-4.50	-4.30	-	-	-4.30	
		4TX	-4.50	-4.30	-4.60	-4.40	-1.44	
	6G UNII-6	2TX	-5.20	-5.00	-	-	-5.00	
		4TX	-5.20	-5.00	-5.40	-5.20	-2.19	
	6G UNII-7	2TX	-5.30	-5.10	-	-	-5.20	
		4TX	-5.30	-5.10	-5.50	-5.30	-2.29	
3	5G UNII-1	2TX	-5.70	-5.50	-	-	-5.50	
		4TX	-5.70	-5.50	-5.00	-5.00	-2.28	


For Maximum Antenna Gain Configuration:
For Directional Gain:

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
1	2.4GHz	2TX	11.40	11.60	-	-	11.60	Cross-Polarized Antenna
		4TX	11.40	11.60	11.80	11.90	14.69	
2	5GHz UNII-2C	2TX	11.80	11.80	-	-	11.80	Cross-Polarized Antenna
		4TX	11.80	11.80	11.50	11.70	13.71	
	5GHz UNII-3	2TX	11.70	11.70	-	-	11.70	
		4TX	11.70	11.70	11.50	11.70	13.66	
	6GHz UNII-5	2TX	6.10	6.30	-	-	8.91	Cross-Polarized Antenna
		4TX	6.10	6.30	6.00	6.20	11.87	
	6GHz UNII-6	2TX	6.10	6.30	-	-	8.91	
		4TX	6.10	6.30	5.90	6.10	11.82	
	6GHz UNII-7	2TX	6.10	6.30	-	-	8.91	
		4TX	6.10	6.30	5.90	6.10	11.82	
3	5GHz UNII-1	2TX	10.50	10.70	-	-	11.70	Cross-Polarized Antenna
		4TX	10.50	10.70	11.20	11.20	13.92	
	5GHz UNII-2A	2TX	10.50	10.70	-	-	10.70	
		4TX	10.50	10.70	11.20	11.20	13.92	
	5GHz UNII-2C	2TX	10.30	10.50	-	-	10.50	
		4TX	10.30	10.50	11.00	11.10	13.75	
	5GHz UNII-3	2TX	10.30	10.40	-	-	10.40	
		4TX	10.30	10.40	11.00	11.10	13.72	

For Antenna Gain above 30 degrees:

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
2	6G UNII-5	2TX	-0.70	-0.50	-	-	2.41	-
		4TX	-0.70	-0.50	-0.80	-0.60	5.32	
	6G UNII-6	2TX	-0.70	-0.50	-	-	2.41	
		4TX	-0.70	-0.50	-0.80	-0.60	5.32	
	6G UNII-7	2TX	-0.70	-0.50	-	-	2.41	
		4TX	-0.70	-0.50	-0.80	-0.60	5.32	
3	5G UNII-1	2TX	3.30	3.50	-	-	6.41	
		4TX	3.30	3.50	4.00	4.00	9.73	



Note 4: The configuration of cross-polarization antennas is shown as below.

Set	Port	MIMO with cross-polarized
1	1	Vertical
	2	Horizontal
	3	Vertical
	4	Horizontal
	5	Horizontal
	6	Vertical
	7	Vertical
	8	Horizontal

Set	Port	MIMO with cross-polarized
2	1, 5	Horizontal
	2, 6	Vertical
	3, 7	Vertical
	4, 8	Horizontal

Set	Port	MIMO with cross-polarized
4	1, 5	Vertical
	2, 6	Horizontal
	3, 7	Vertical
	4, 8	Horizontal

Set.	Point-to-Multipoint	Point-to-Point
1	Yes	Yes
2	Yes	Yes
3	Yes	No
4	Yes	Yes
5	Yes	No

Note 5: The lowest and highest antenna gain was selected for the test and recorded in this report.

The antennas were selected as below:

Frequency Band	Minimum Antenna Gain Configuration	Maximum Antenna Gain Configuration
WLAN 2.4GHz / Bluetooth / IEEE 802.15.4	Antenna Set 5	Antenna Set 4
WLAN 5GHz	Antenna Set 5 Antenna Set 1 for 30 degrees	Antenna Set 4 Antenna Set 3 for 30 degrees
WLAN 6GHz	Antenna Set 5 Antenna Set 1 for 30 degrees	Antenna Set 1 Antenna Set 5 for 30 degrees

Note 6: States antenna 6GHz transmission will be restricted per country's regulation.

**Note 7: <Scan Radio 0>****For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax (1TX/1RX):**

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

For 5GHz function:**For IEEE 802.11 a/n/ac/ax (1TX/1RX):**

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

For 6GHz function:**For IEEE 802.11 ax (1TX/1RX):**

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

<Radio 1>**For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

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

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

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

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 3>**For 5GHz function:**

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

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 4>**For Bluetooth function (1TX/1RX):**

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

For IEEE 802.15.4 function (1TX/1RX):

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

<Radio 5>**For GPS function (1RX):**

Antenna set 6~7 can be used as receiving antenna, but only one of them will be used at one time.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.15.4_Nss 1	1	0	20.001m	10Hz (DC>=0.98)



1.1.4 EUT Operational Condition

EUT Power Type	From PoE, adapter or DC power supply (24~56Vdc)		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	DOS [ver 6.1.7601]		
Serial Number	For Others: WTT300300FD For AC Conduction and Radiated below 1GHz tests: WTT300300HN		

Note: The above information was declared by manufacturer.

1.1.5 Table for SW Information

SW	BW of 5GHz Mode (MHz)	6GHz Mode	Support Function
Catalyst	20/40/80/160	Standard Power Access Point.	AP
			CURWB P2P/P2MP Master
		-	CURWB P2MP client with radar detection
Meraki	20/40/80	Standard Power Access Point.	AP

Note: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Radio (R)	Support Function	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz	BT / IEEE 802.15.4	GPS
			UNII 1~2A	UNII 2C~3			
R0 (Scan Radio)	AP	✓	✓	✓	✓	-	-
	CURWB P2P/P2MP Master	-	✓	✓	✓	-	-
	CURWB P2MP client with radar detection	-	✓	✓	-	-	-
R1	AP	✓	-	-	-	-	-
R2	AP & CURWB P2P/P2MP Master	-	-	✓	✓	-	-
	CURWB P2MP client with radar detection	-	-	✓	-	-	-
R3 (Note 1)	AP, CURWB P2P/P2MP Master & CURWB P2MP client with radar detection	-	✓	✓	-	-	-
R4	AP	-	-	-	-	✓	-
R5	AP	-	-	-	-	-	✓

Note 1: Radio 3 supports operation in 5GHz full band (UNII 1~3) or low band (UNII 1~2A).

Note 2: For WLAN 2.4GHz, R0 and R1 can't operate at the same frequency simultaneously.

For WLAN 5GHz, R0, R2 and R3 can't operate at the same frequency simultaneously.

For WLAN 6GHz, R0 and R2 can't operate at the same frequency simultaneously.

Note 3: 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 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	TH02-CB	Ken Yeh	23.6~25.0 / 61~64	Mar. 04, 2026~ Jul. 02, 2026
Radiated < 1GHz	03CH01-CB	Sean Ku	24.1~24.5 / 58~68	Jul. 24, 2026
Radiated > 1GHz	03CH02-CB	Paul Hu	23.5~24.9 / 57~67	Mar. 30, 2026~ Jun. 12, 2026
AC Conduction	CO01-CB	Allen Chung	22-23 / 55-57	Jul. 22, 2026~ Jul. 31, 2026



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 Date: Before May 28, 2026

Test Items	Uncertainty	Remark
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%

Test Date: After May 27, 2026

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.5 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.3 dB	Confidence levels of 95%
Conducted Emission	3.8 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	3.5 dB	Confidence levels of 95%
Bandwidth Measurement	1.6 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.15.4
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	CTX
1	EUT + PoE_R0: 2.4GHz
2	EUT + Adapter_R0: 2.4GHz
3	EUT + DC power supply_R0: 2.4GHz
Mode 3 has been evaluated to be the worst case among Mode 1~3, so the measurement for Mode 4~11 will follow this same test mode.	
4	EUT + DC power supply_R0: 5GHz
5	EUT + DC power supply_R0: 6GHz
6	EUT + DC power supply_R1: 2.4GHz
7	EUT + DC power supply_R2: 5GHz
8	EUT + DC power supply_R2: 6GHz
9	EUT + DC power supply_R3: 5GHz
10	EUT + DC power supply_R4: BT
11	EUT + DC power supply_R4: IEEE 802.15.4
For operating, mode 8 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 Emissions in Restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT Radio 4 + Ant. Set 5
2	EUT Radio 4 + Ant. Set 4

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
	The worst case axis scenario listed below occurred during radiated emissions testing above 1 GHz; consequently, subsequent measurements were performed using this same test mode.
1	EUT in Z axis + PoE_R0: 2.4GHz
2	EUT in Z axis + Adapter_R0: 2.4GHz
3	EUT in Z axis + DC power supply_R0: 2.4GHz
Mode 1 has been evaluated to be the worst case among Mode 1~3, so the measurement for Mode 4~11 will follow this same test mode.	
4	EUT in Y axis + PoE_R0: 5GHz
5	EUT in Y axis + PoE_R0: 6GHz
6	EUT in Z axis + PoE_R1: 2.4GHz
7	EUT in Y axis + PoE_R2: 5GHz
8	EUT in Z axis + PoE_R2: 6GHz
9	EUT in Z axis + PoE_R3: 5GHz
10	EUT in Z axis + PoE_R4: BT
11	EUT in Z axis + PoE_R4: IEEE 802.15.4
For operating, mode 10 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX (Cabinet)
	After evaluating, EUT in Z axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Z axis Radio 4



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Conducted Emission Co-location
Test Condition	Conducted measurement at transmit chains
Operating Mode	CTX
1	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: Bluetooth
2	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: 802.15.4
3	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: Bluetooth
4	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: 802.15.4
5	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: Bluetooth
6	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: 802.15.4
7	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: Bluetooth
8	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: 802.15.4
9	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: Bluetooth
10	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: 802.15.4
11	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: Bluetooth
12	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: 802.15.4
Refer to Appendix G for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: Bluetooth
2	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: 802.15.4
3	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: Bluetooth
4	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: 802.15.4
5	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: Bluetooth
6	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 6GHz + Radio 3: WLAN 5GHz + Radio 4: 802.15.4
7	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: Bluetooth
8	Radio 0 WLAN 2.4GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: 802.15.4
9	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: Bluetooth
10	Radio 0 WLAN 5GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: 802.15.4
11	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: Bluetooth
12	Radio 0 WLAN 6GHz + Radio 1:WLAN 2.4GHz + Radio 2: WLAN 5GHz / UNII 2C~3 + Radio 3: WLAN 5GHz / UNII 1~2A + Radio 4: 802.15.4
Refer to Sporton Test Report No.: FA5D2458-01AA for Co-location RF Exposure Evaluation.	

Note: The PoEs and adapter were for measurement only and would not be marketed. Their information is listed below:

Equipment	Brand Name	Model Name
PoE 1	DELTA	ADH-65AR P
PoE 2	CISCO	POEO75U-1BT-C-R
Adapter	MW	GS60A48-CIS5UGS60A48-CIS5



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories
Antenna bracket*1 (For Ant. Set 1 use)
Antenna cable*2 (For Ant. Set 1, 2&4 use)
M25 cap*4
DC jack cap*1
SMA Sealed cap*1
M25 RJ-45 Cable gland*2
Bracket (Optional)*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Power Supply	MOTECH	LPS-305	N/A
B	Terminal Resistance x 9	NA	NA	N/A
C	NB	DELL	E6430	N/A

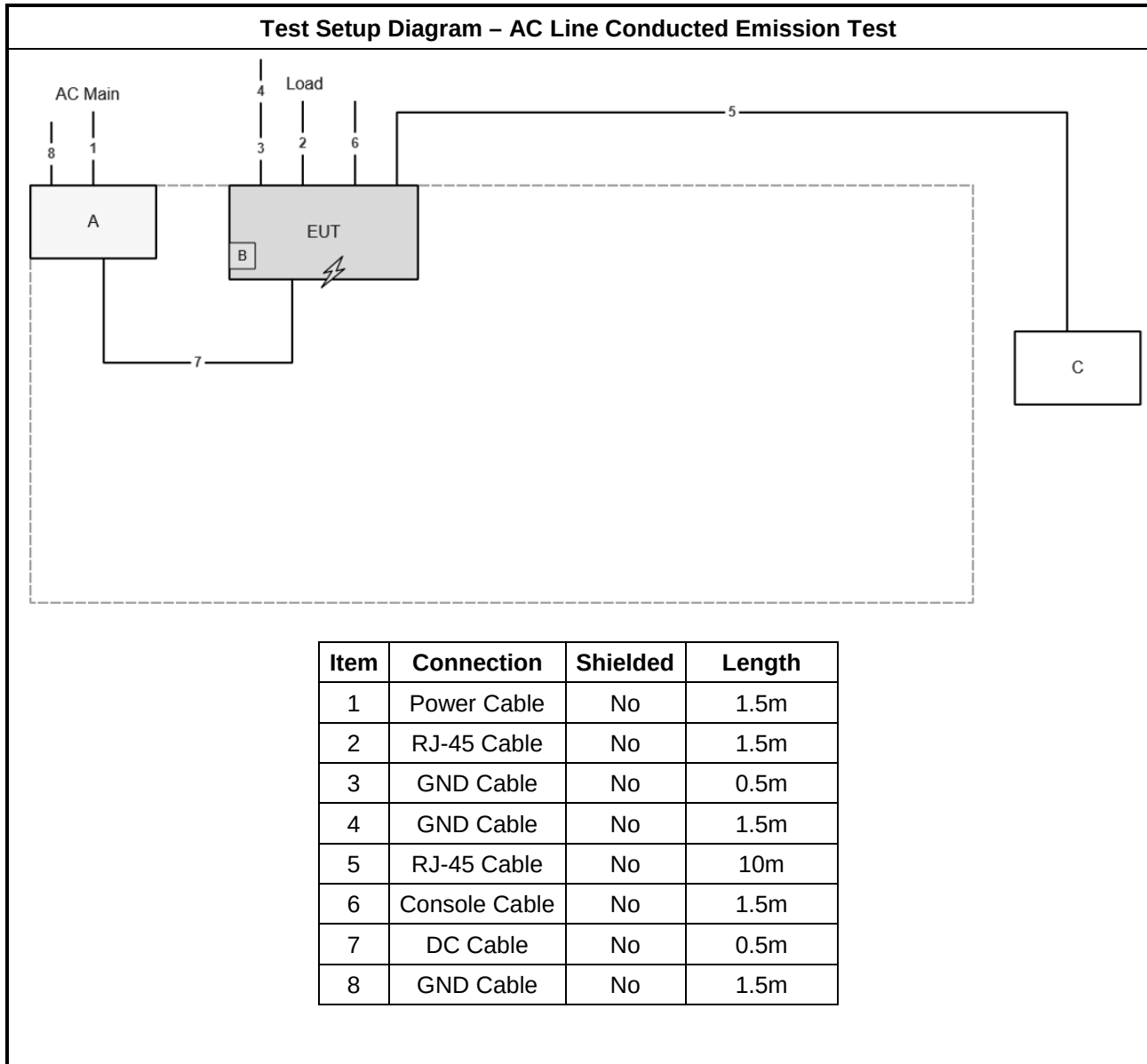
For Radiated:

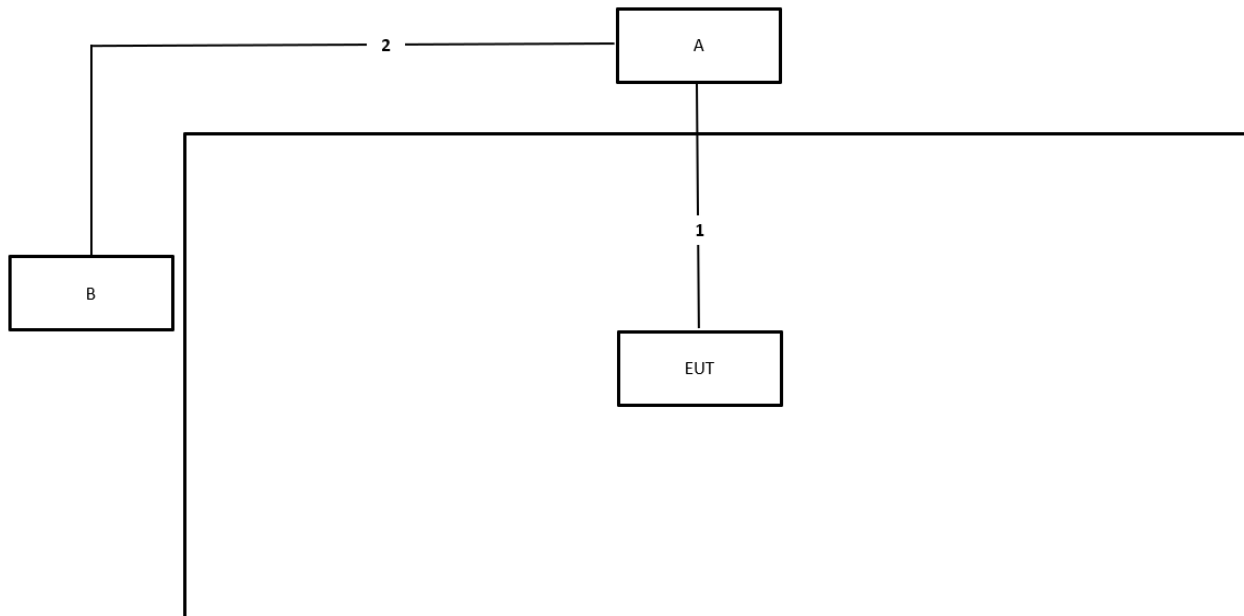
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 2	CISCO	POEO75U-1BT-C-R	N/A
B	Notebook	Lenovo	L440	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	Lenovo	L440	N/A
B	PoE 1	DELTA	ADH-65AR P	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m



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.		

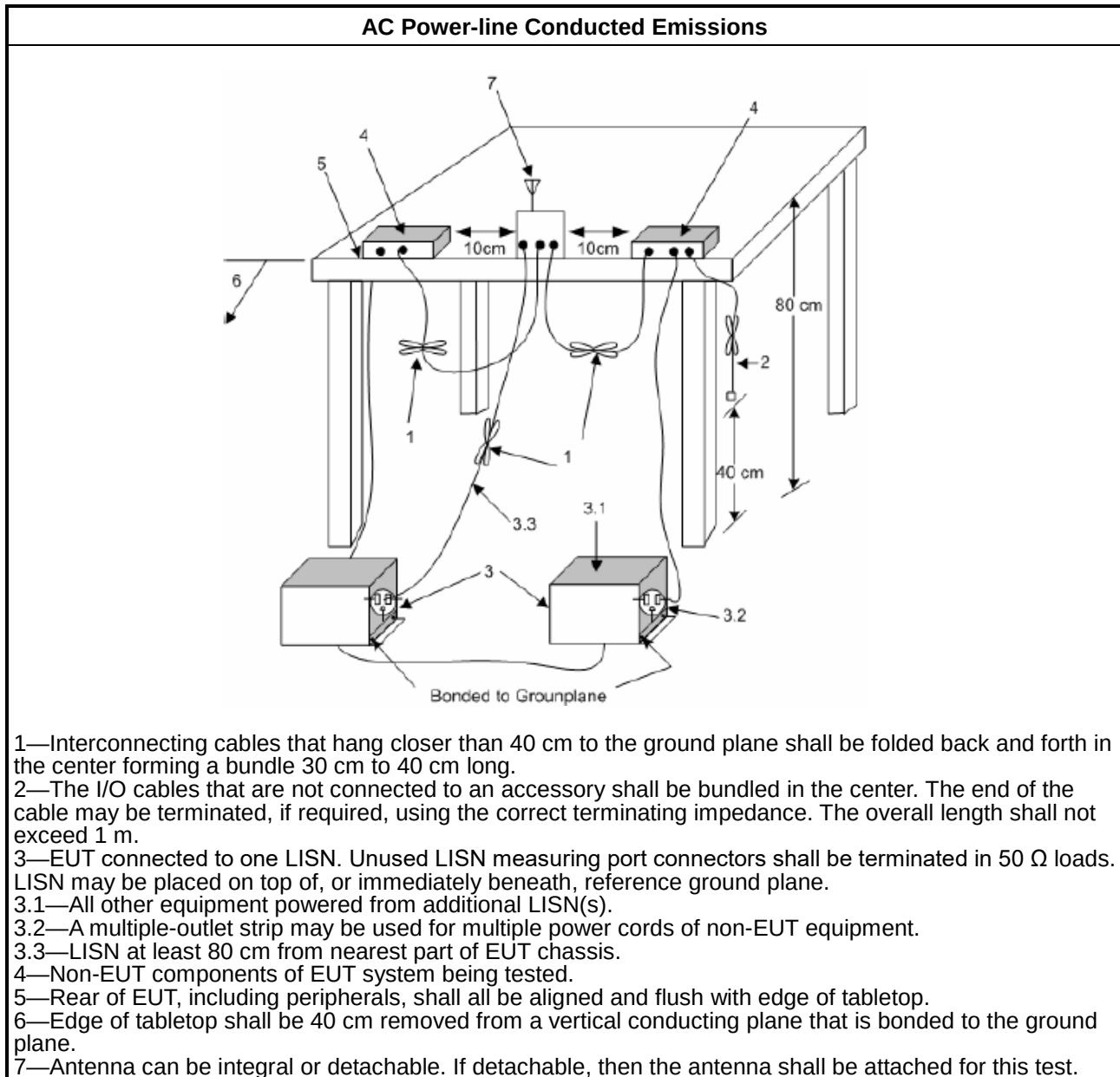
3.1.2 Measuring Instruments

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:

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

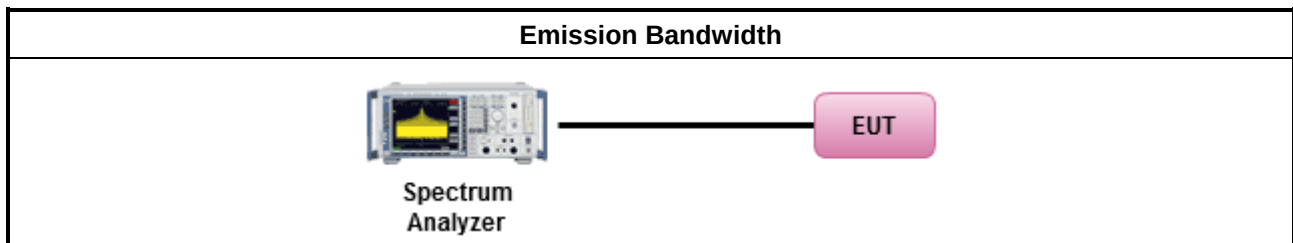
3.2.2 Measuring Instruments

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

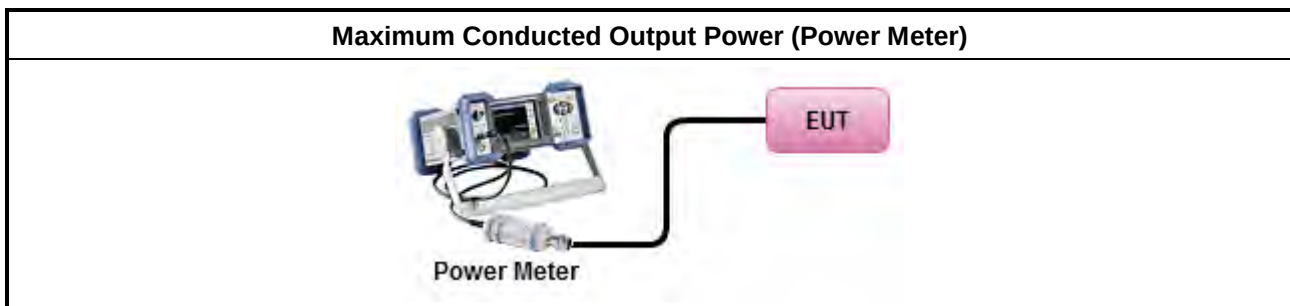
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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 $\geq$ 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

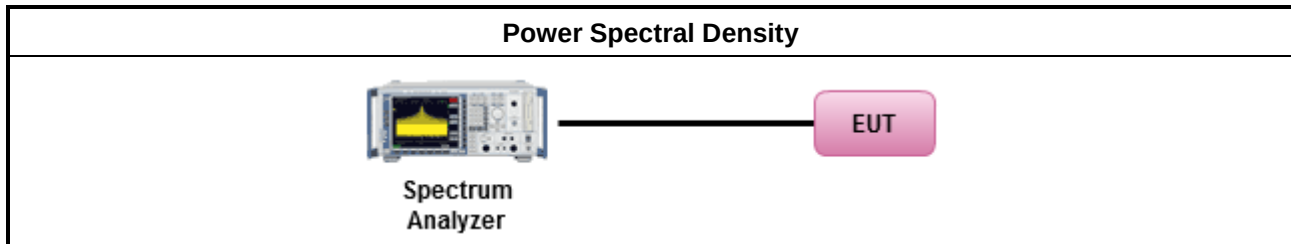
3.4.2 Measuring Instruments

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.	

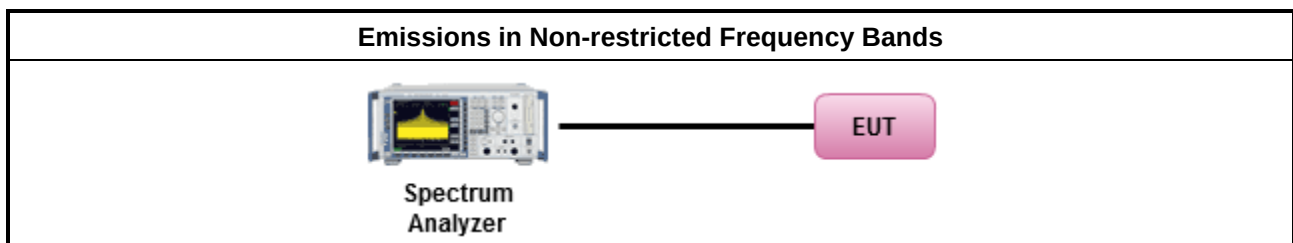
3.5.2 Measuring Instruments

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.



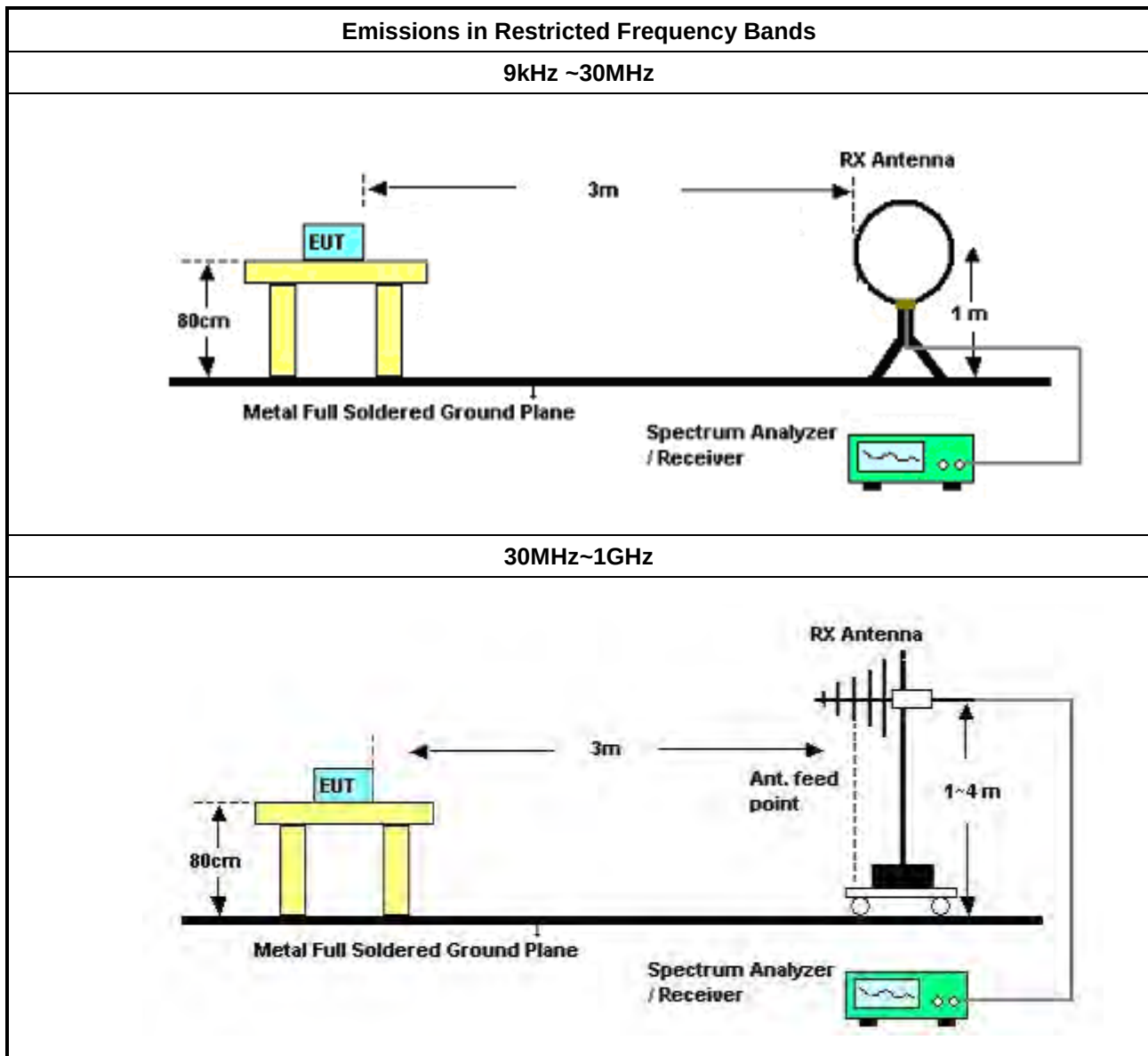
3.6.3 Test Procedures

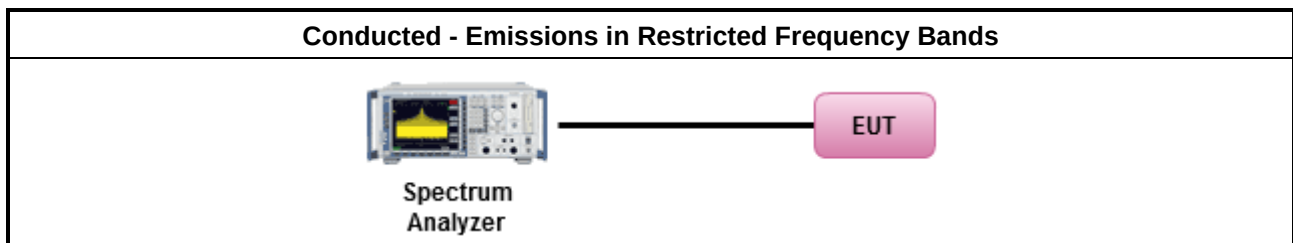
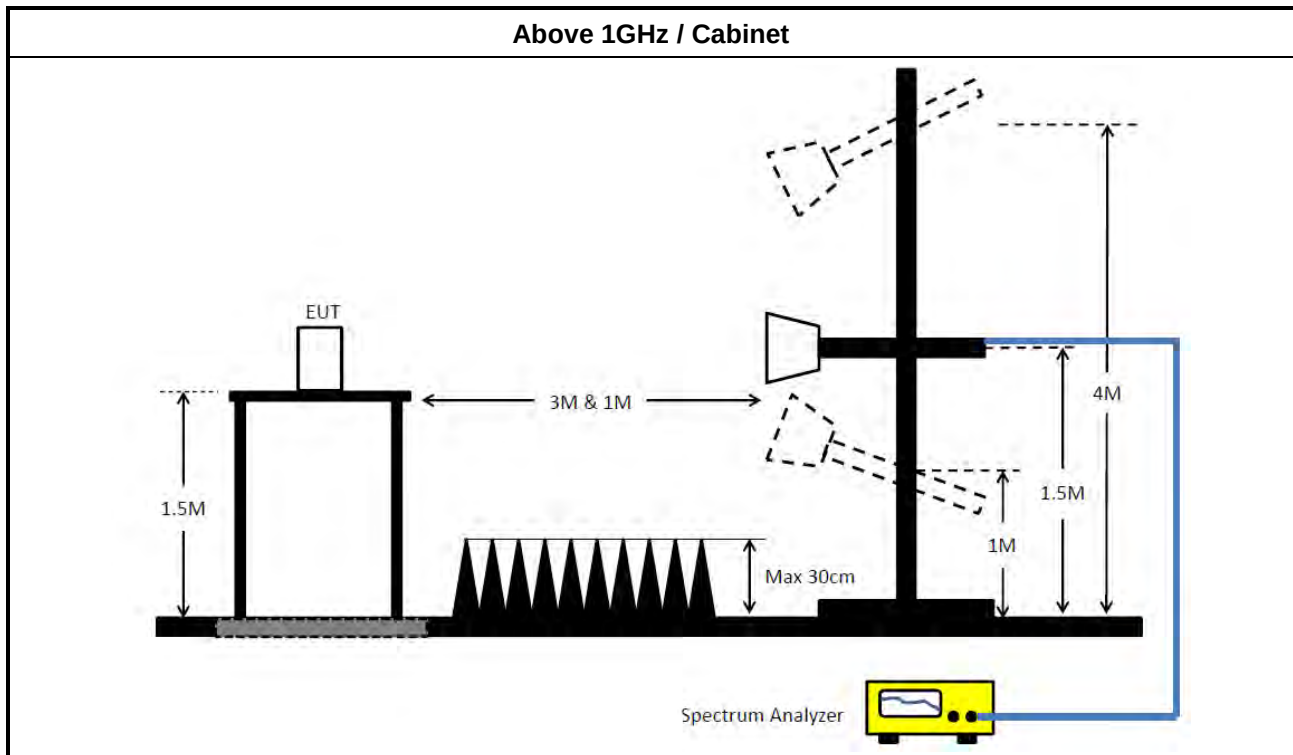
Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted 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.



Test Method	
	▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.2.
	▪ For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	▪ 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. 12, 2026	Mar. 11, 2027	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 04, 2026	Feb. 03, 2027	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 10, 2026	Apr. 09, 2027	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 (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 15, 2026	Jan. 14, 2027	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 13, 2026	Feb. 12, 2027	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 20, 2026	Jun. 19, 2027	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2025	Dec. 11, 2026	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 29, 2025	Oct. 28, 2026	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 23, 2025	Mar. 22, 2026	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 21, 2026	Mar. 20, 2027	Radiation (03CH02-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Nov. 05, 2025	Nov. 04, 2026	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 20, 2025	Aug. 19, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.27	2.4GHz-2.4835G Hz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101321	9kHz ~ 44GHz	Jul. 01, 2025	Jun. 30, 2026	Conducted (TH02-CB)
Signal Analyzer	R&S	FSV3044	101878	10kHz ~ 44GHz	May 11, 2026	May 10, 2027	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 28, 2025	Oct. 27, 2026	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 28, 2025	Oct. 27, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.27	2.4GHz-2.4835G Hz	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.



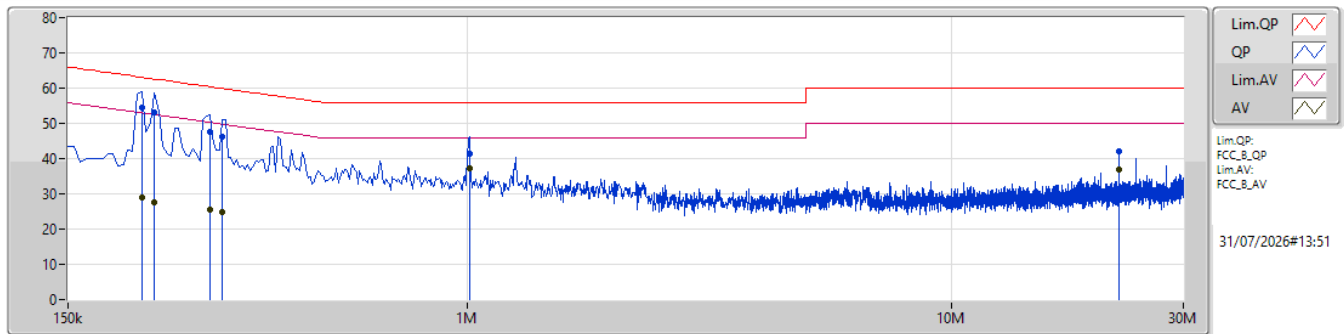
Conducted Emissions at Powerline

Appendix A

Summary

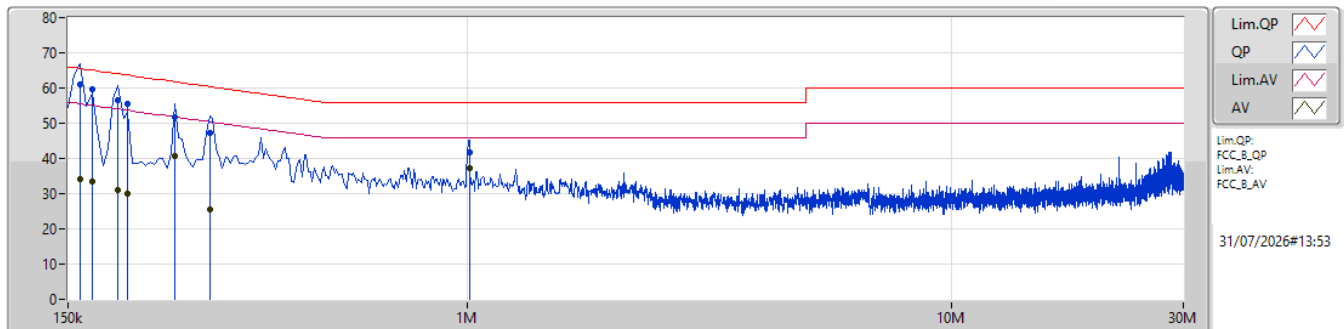
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 8	Pass	QP	159k	60.99	65.52	-4.53	Neutral

Mode 8



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	213k	54.48	63.09	-8.61	9.92	Line	"Worst"	44.56	0.08	0.07	9.77						
AV	213k	28.88	53.09	-24.21	9.92	Line	-	18.96	0.08	0.07	9.77						
QP	226.5k	53.19	62.58	-9.39	9.94	Line	-	43.25	0.08	0.07	9.79						
AV	226.5k	27.59	52.58	-24.99	9.94	Line	-	17.65	0.08	0.07	9.79						
QP	294k	47.45	60.42	-12.97	10.01	Line	-	37.44	0.08	0.09	9.84						
AV	294k	25.65	50.42	-24.77	10.01	Line	-	15.64	0.08	0.09	9.84						
QP	312k	46.17	59.92	-13.75	10.03	Line	-	36.14	0.08	0.10	9.85						
AV	312k	24.67	49.92	-25.25	10.03	Line	-	14.64	0.08	0.10	9.85						
QP	1.01M	41.39	56.00	-14.61	10.14	Line	-	31.25	0.10	0.15	9.89						
AV	1.01M	37.08	46.00	-8.92	10.14	Line	-	26.94	0.10	0.15	9.89						
QP	22.119M	42.05	60.00	-17.95	11.02	Line	-	31.03	0.30	0.38	10.34						
AV	22.119M	36.91	50.00	-13.09	11.02	Line	-	25.89	0.30	0.38	10.34						

Mode 8



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	60.99	65.52	-4.53	10.00	Neutral	"Worst"	50.99	0.06	0.09	9.85						
AV	159k	34.30	55.52	-21.22	10.00	Neutral	-	24.30	0.06	0.09	9.85						
QP	168k	59.64	65.06	-5.42	9.97	Neutral	-	49.67	0.06	0.08	9.83						
AV	168k	33.30	55.06	-21.76	9.97	Neutral	-	23.33	0.06	0.08	9.83						
QP	190.5k	56.62	64.01	-7.39	9.91	Neutral	-	46.71	0.06	0.07	9.78						
AV	190.5k	30.87	54.01	-23.14	9.91	Neutral	-	20.96	0.06	0.07	9.78						
QP	199.5k	55.51	63.63	-8.12	9.88	Neutral	-	45.63	0.06	0.06	9.76						
AV	199.5k	29.94	53.63	-23.69	9.88	Neutral	-	20.06	0.06	0.06	9.76						
QP	249k	51.82	61.79	-9.97	9.94	Neutral	-	41.88	0.06	0.08	9.80						
AV	249k	40.60	51.79	-11.19	9.94	Neutral	-	30.66	0.06	0.08	9.80						
QP	294k	47.26	60.42	-13.16	9.99	Neutral	-	37.27	0.06	0.09	9.84						
AV	294k	25.60	50.42	-24.82	9.99	Neutral	-	15.61	0.06	0.09	9.84						
QP	1.01M	41.57	56.00	-14.43	10.11	Neutral	-	31.46	0.07	0.15	9.89						
AV	1.01M	37.17	46.00	-8.83	10.11	Neutral	-	27.06	0.07	0.15	9.89						



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	1.639M	2.245M	2M25G1D	1.631M	2.23M

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

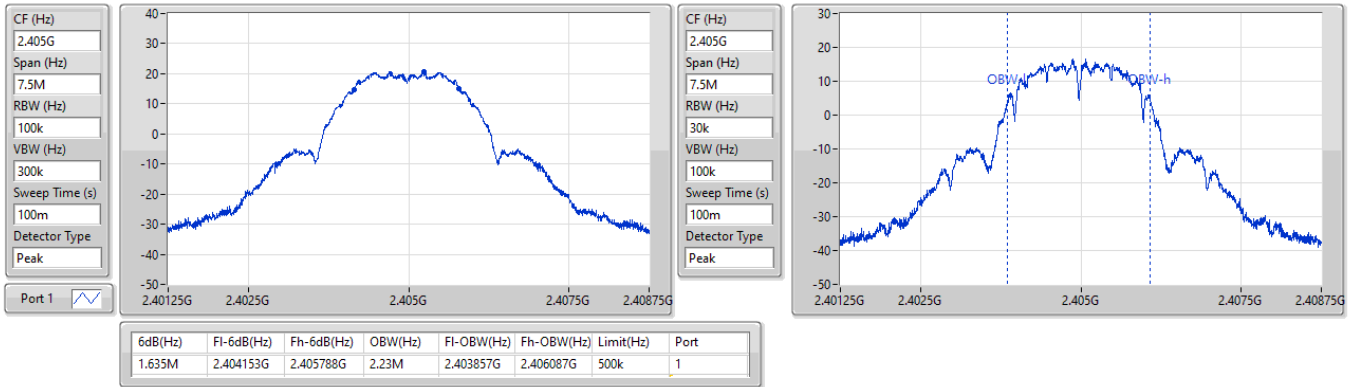
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.15.4	-	-	-	-
2405MHz	Pass	500k	1.635M	2.23M
2440MHz	Pass	500k	1.631M	2.238M
2480MHz	Pass	500k	1.639M	2.245M

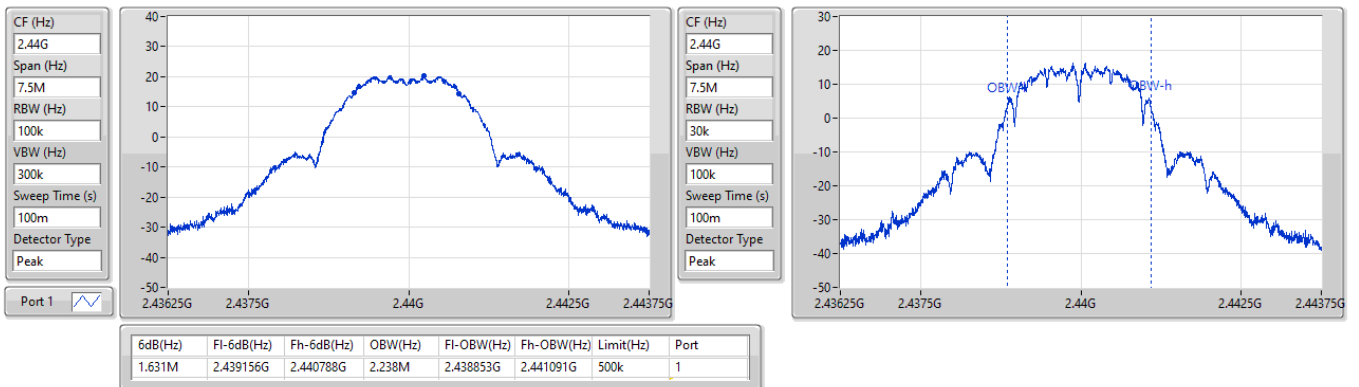
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.15.4
EBW
2405MHz

02/04/2026


2.4-2.4835GHz_802.15.4
EBW
2440MHz

02/04/2026

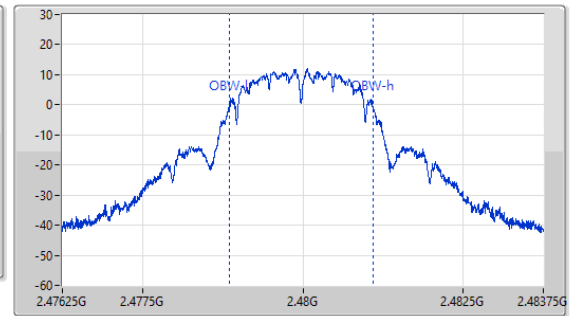
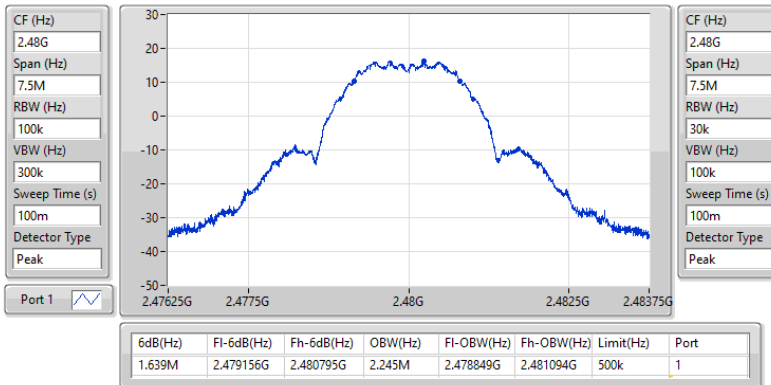


2.4-2.4835GHz_802.15.4

EBW

2480MHz

02/04/2026





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	1.628M	2.249M	2M25G1D	1.624M	2.234M

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

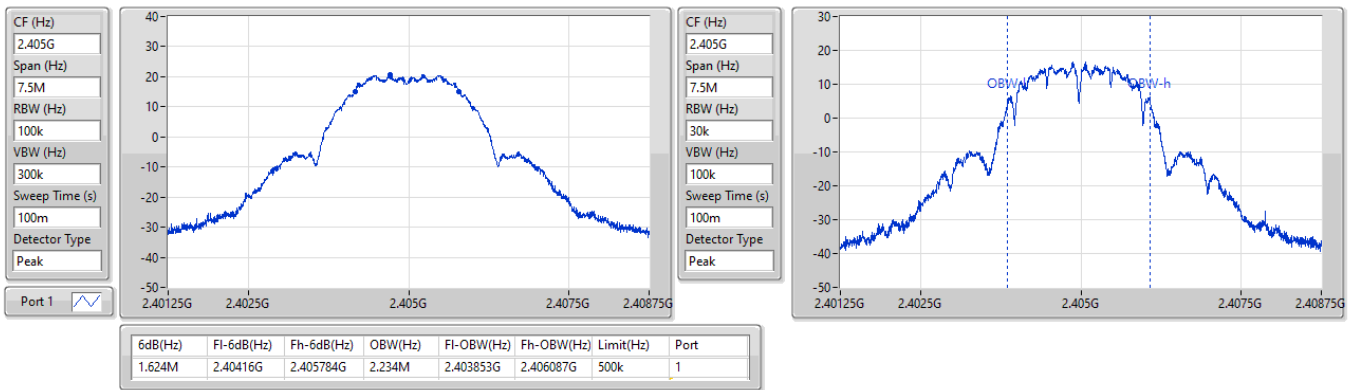
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.15.4	-	-	-	-
2405MHz	Pass	500k	1.624M	2.234M
2440MHz	Pass	500k	1.628M	2.241M
2480MHz	Pass	500k	1.628M	2.249M

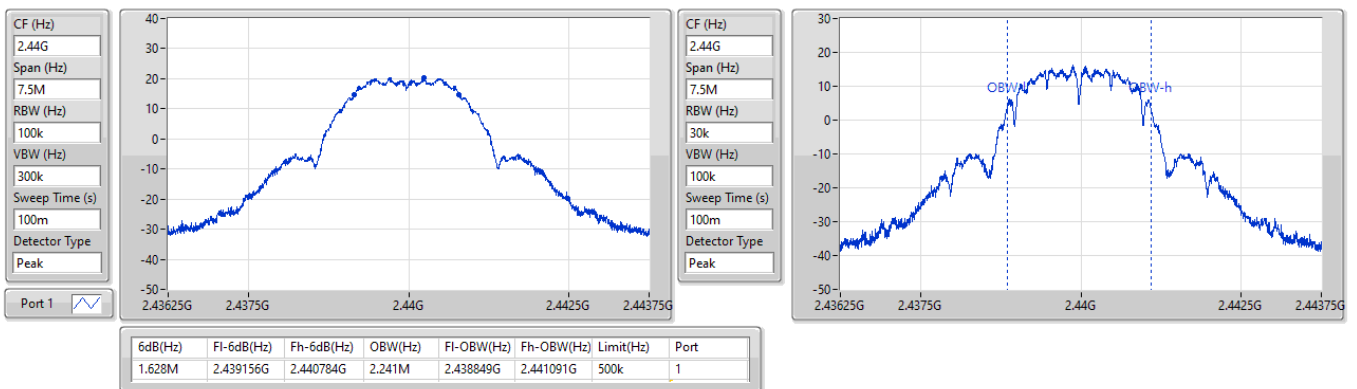
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.15.4
EBW
2405MHz

01/04/2026


2.4-2.4835GHz_802.15.4
EBW
2440MHz

02/04/2026

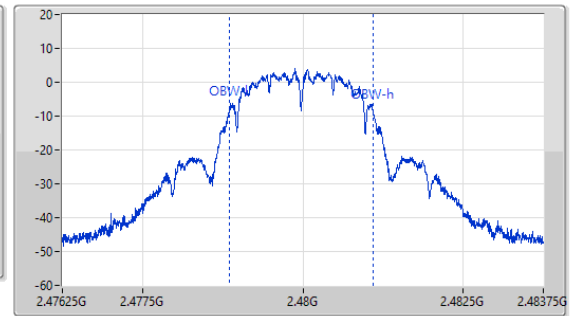
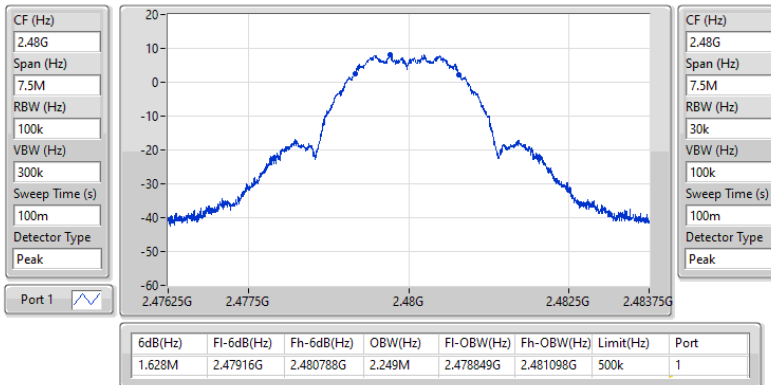


2.4-2.4835GHz_802.15.4

EBW

2480MHz

02/04/2026





Average Power_Mode 1

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.15.4	13.75	0.02371



Average Power_Mode 1

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.15.4	-	-	-	-	-
2405MHz	Pass	3.30	13.75	13.75	30.00
2440MHz	Pass	3.30	13.39	13.39	30.00
2475MHz	Pass	3.30	13.33	13.33	30.00
2480MHz	Pass	3.30	9.12	9.12	30.00

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



Average Power_Mode 2

Appendix C.2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.15.4	13.75	0.02371



Average Power_Mode 2

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.15.4	-	-	-	-	-
2405MHz	Pass	11.80	13.75	13.75	24.20
2440MHz	Pass	11.80	13.39	13.39	24.20
2475MHz	Pass	11.80	12.69	12.69	24.20
2480MHz	Pass	11.80	0.51	0.51	24.20

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	-1.75

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.15.4	-	-	-	-	-
2405MHz	Pass	3.30	-1.75	-1.75	8.00
2440MHz	Pass	3.30	-2.26	-2.26	8.00
2480MHz	Pass	3.30	-6.55	-6.55	8.00

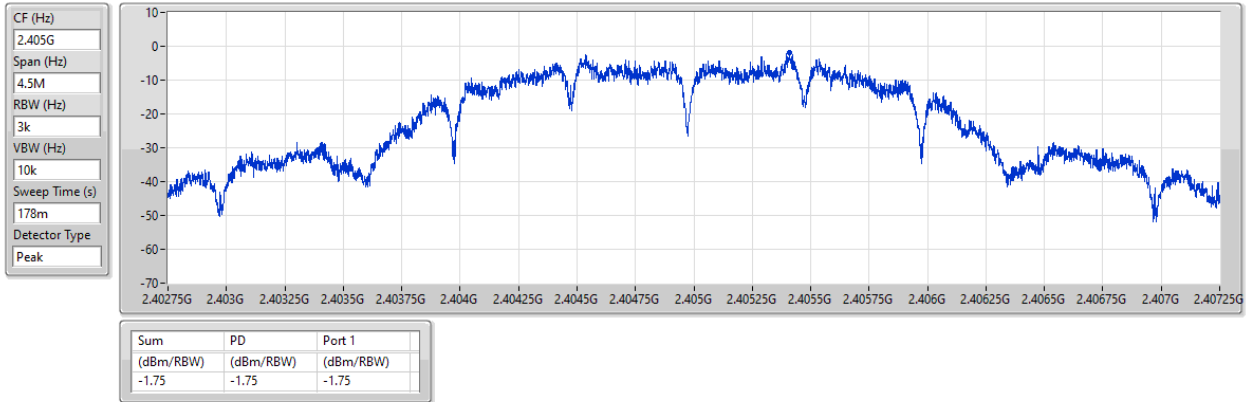
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.15.4

PSD

2405MHz

14/03/2026

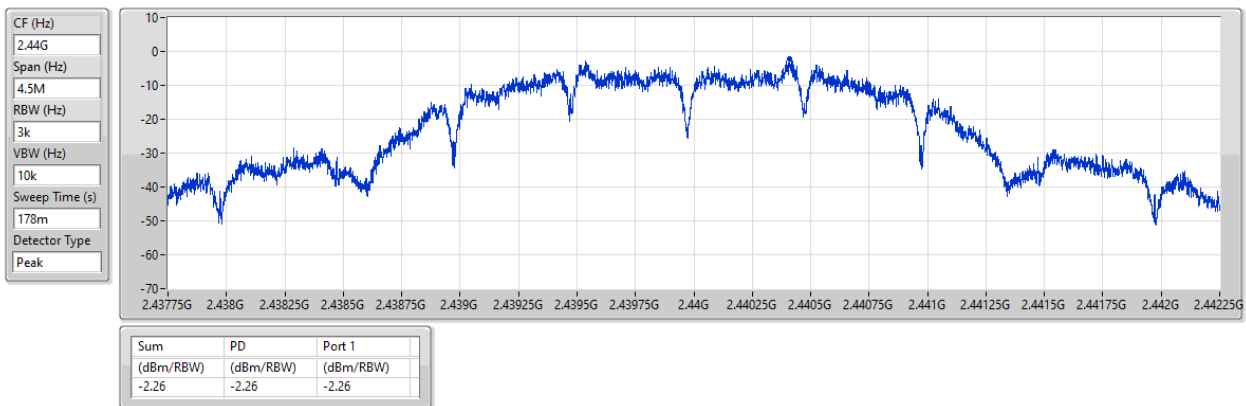


2.4-2.4835GHz_802.15.4

PSD

2440MHz

14/03/2026

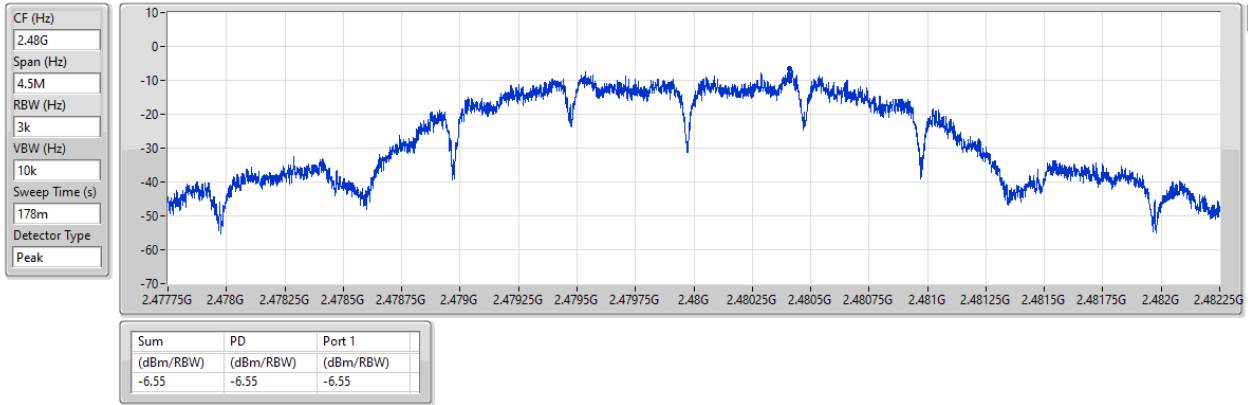


2.4-2.4835GHz_802.15.4

PSD

2480MHz

14/03/2026





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.15.4	-1.75

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.15.4	-	-	-	-	-
2405MHz	Pass	11.80	-1.75	-1.75	2.20
2440MHz	Pass	11.80	-2.26	-2.26	2.20
2480MHz	Pass	11.80	-15.74	-15.74	2.20

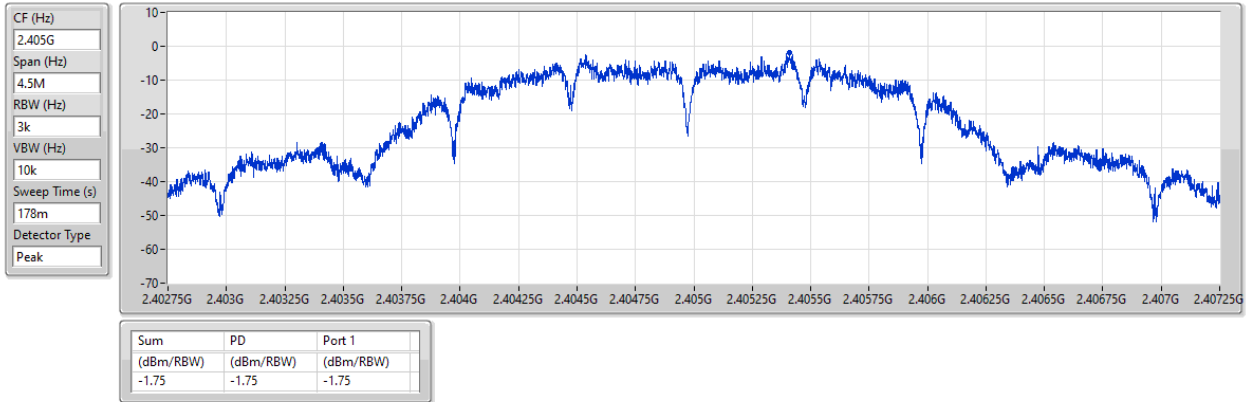
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.15.4

PSD

2405MHz

14/03/2026

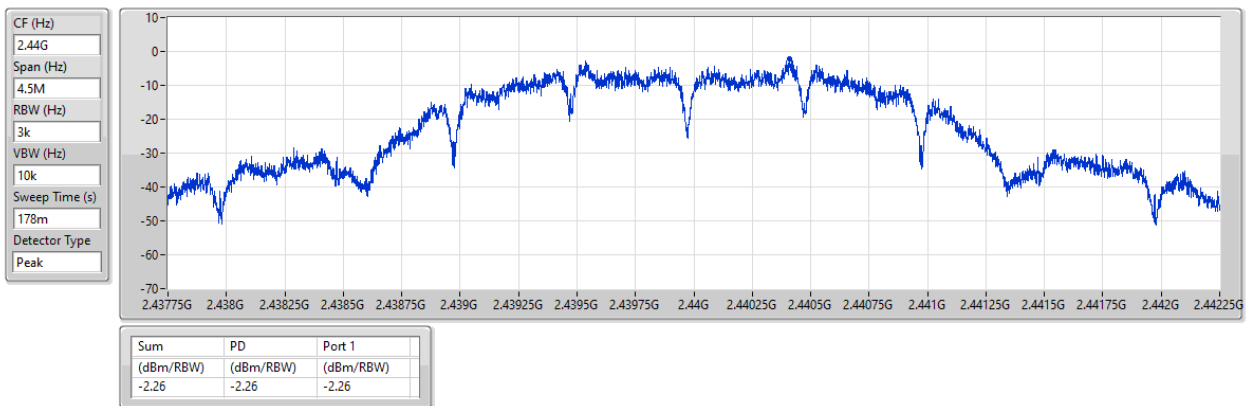


2.4-2.4835GHz_802.15.4

PSD

2440MHz

14/03/2026

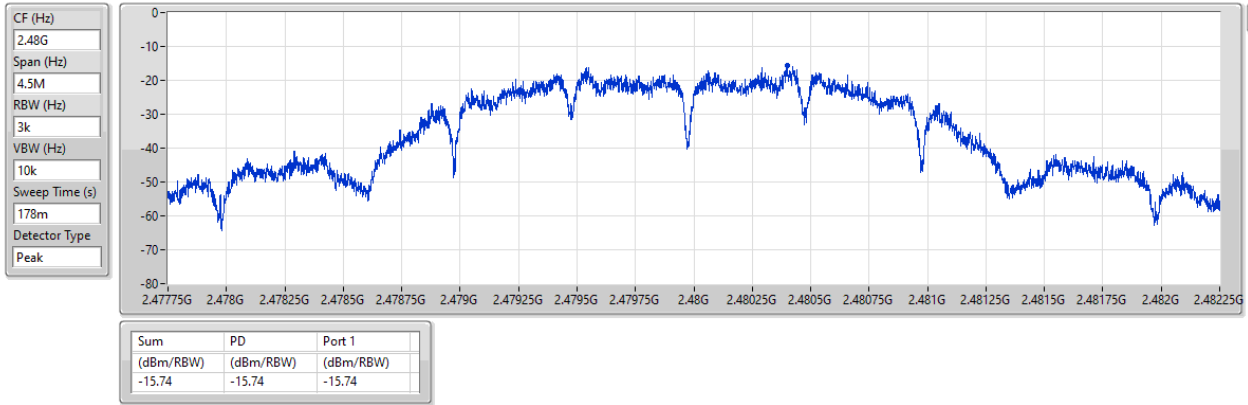


2.4-2.4835GHz_802.15.4

PSD

2480MHz

14/03/2026





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	Pass	2.40534G	9.82	-20.18	45.37M	-53.13	2.39995G	-43.60	2.4G	-44.90	21.62343G	-44.88	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	-	-	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.40534G	9.82	-20.18	45.37M	-53.13	2.39995G	-43.60	2.4G	-44.90	21.62343G	-44.88	1
2440MHz	Pass	2.40534G	9.82	-20.18	2.14696G	-51.48	2.39964G	-52.81	2.4G	-54.52	21.43771G	-45.93	1
2480MHz	Pass	2.40534G	9.82	-20.18	2.30771G	-53.18	2.39502G	-52.83	2.4G	-55.60	21.65438G	-44.41	1

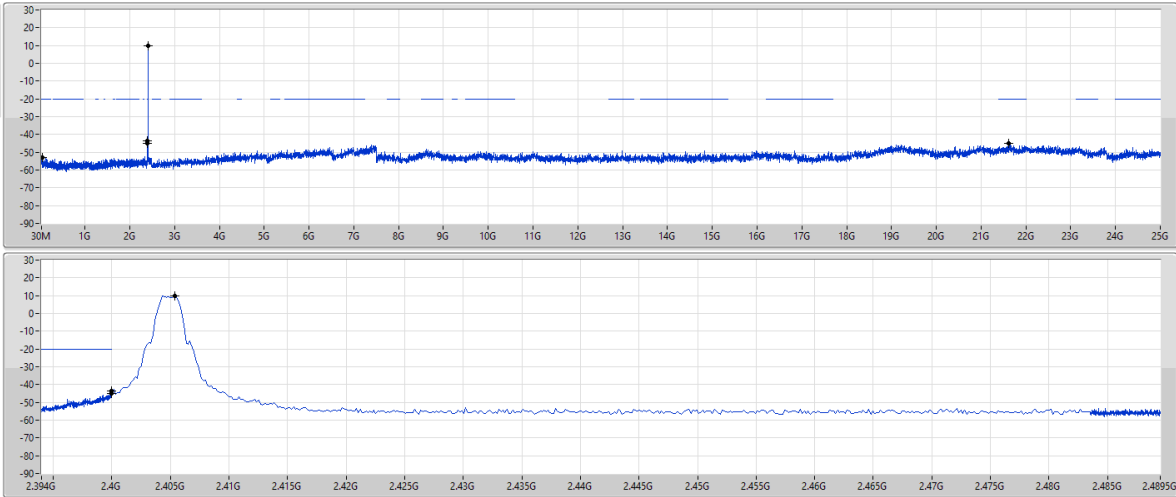
2.4-2.4835GHz_802.15.4

CSEndB

2405MHz

14/03/2026

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



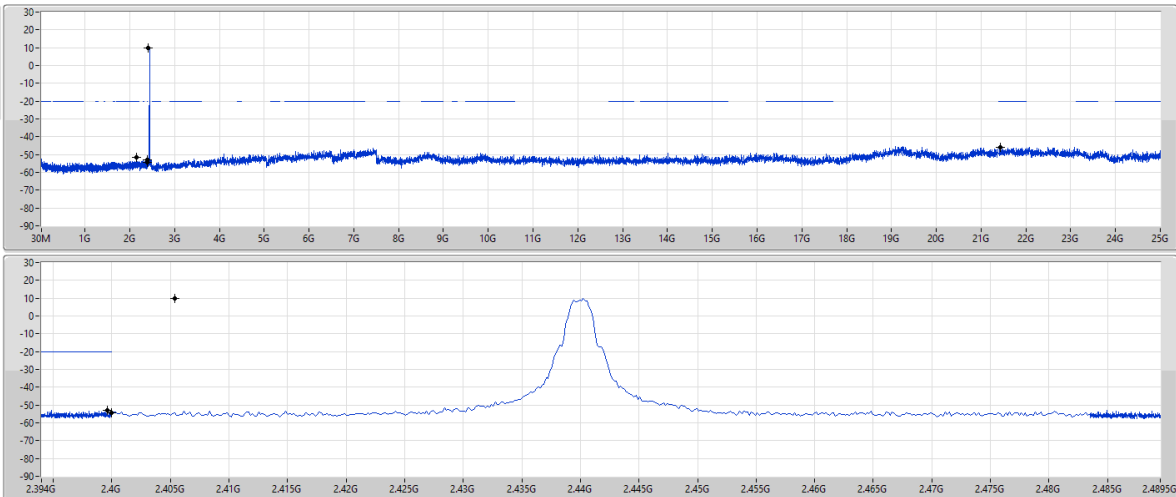
2.4-2.4835GHz_802.15.4

CSEndB

2440MHz

14/03/2026

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



2.4-2.4835GHz_802.15.4

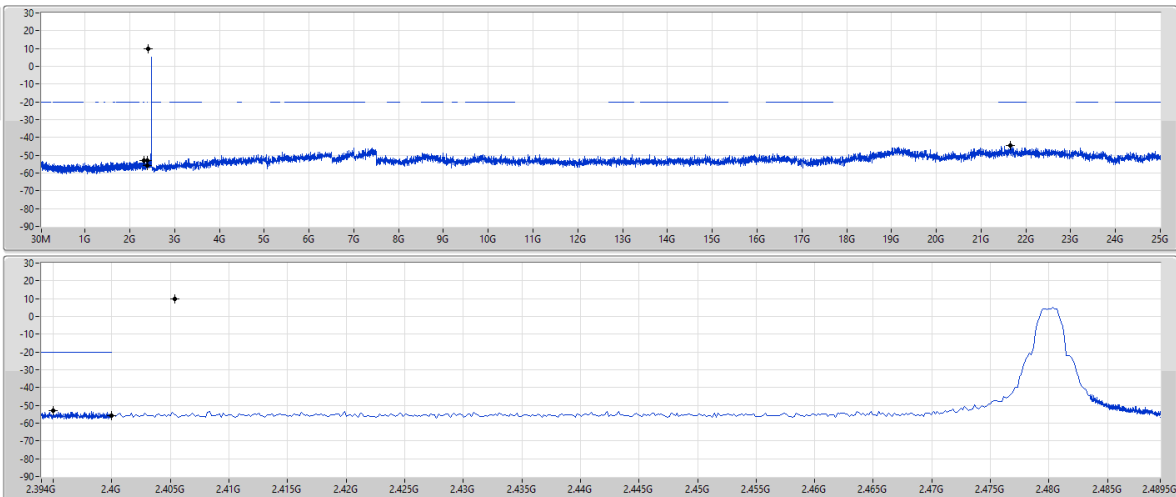
CSEndB

2480MHz

14/03/2026

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
2.40534G	9.82	-20.18	2.30771G	-53.18	2.39502G	-52.83	2.4G	-55.60	2.65438G	-44.41	1



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	Pass	2.40434G	9.55	-20.45	2.0985G	-53.26	2.39572G	-53.11	2.4G	-55.16	21.73598G	-44.49	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	-	-	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.40434G	9.55	-20.45	2.06422G	-53.13	2.4G	-45.00	2.4G	-44.91	21.41239G	-45.24	1
2440MHz	Pass	2.40434G	9.55	-20.45	2.0985G	-53.26	2.39572G	-53.11	2.4G	-55.16	21.73598G	-44.49	1
2480MHz	Pass	2.40434G	9.55	-20.45	52.46M	-52.65	2.39689G	-53.47	2.4G	-55.04	23.15414G	-45.73	1

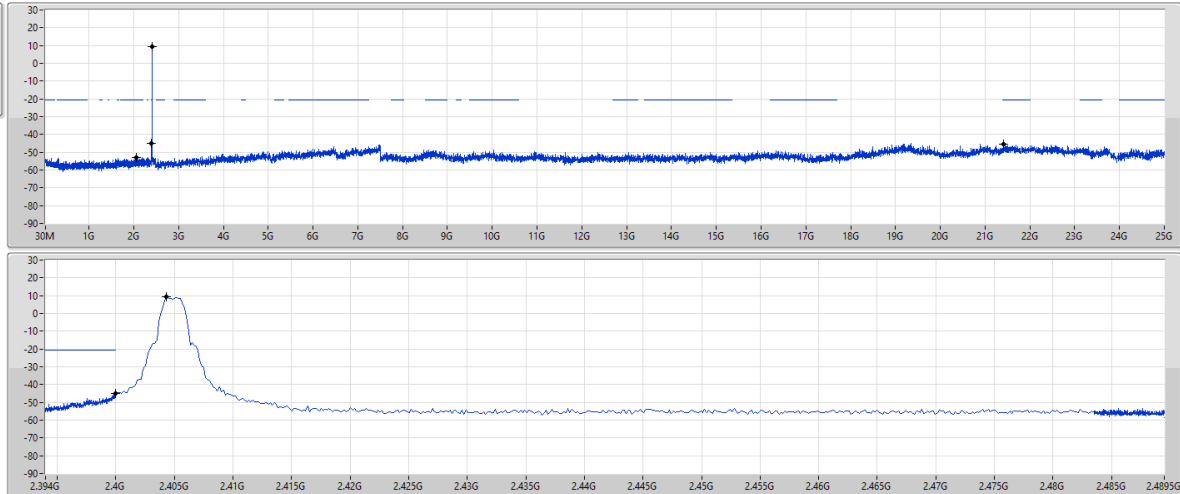
2.4-2.4835GHz_802.15.4

CSEndB

2405MHz

14/03/2026

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



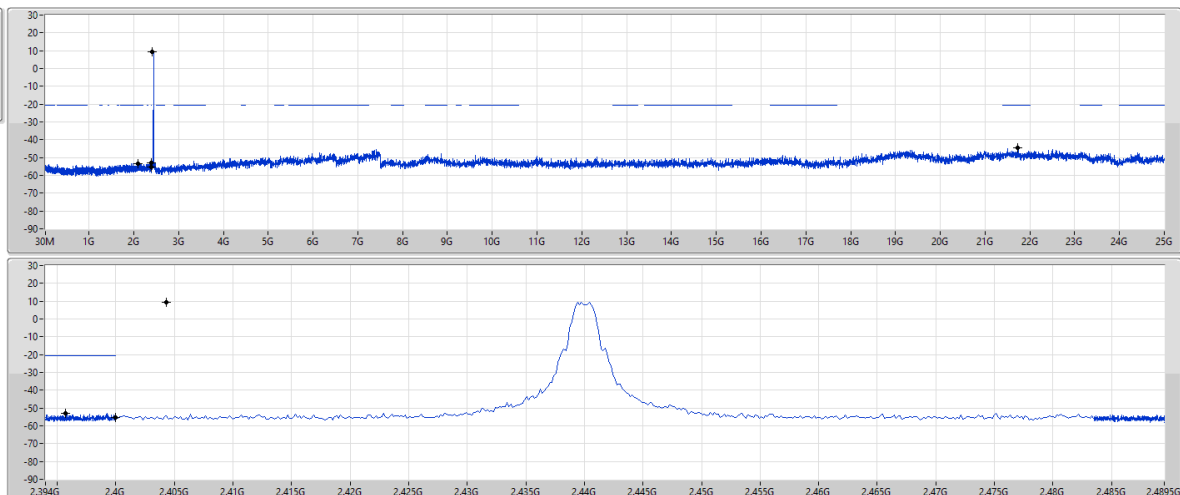
2.4-2.4835GHz_802.15.4

CSEndB

2440MHz

14/03/2026

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



2.4-2.4835GHz_802.15.4

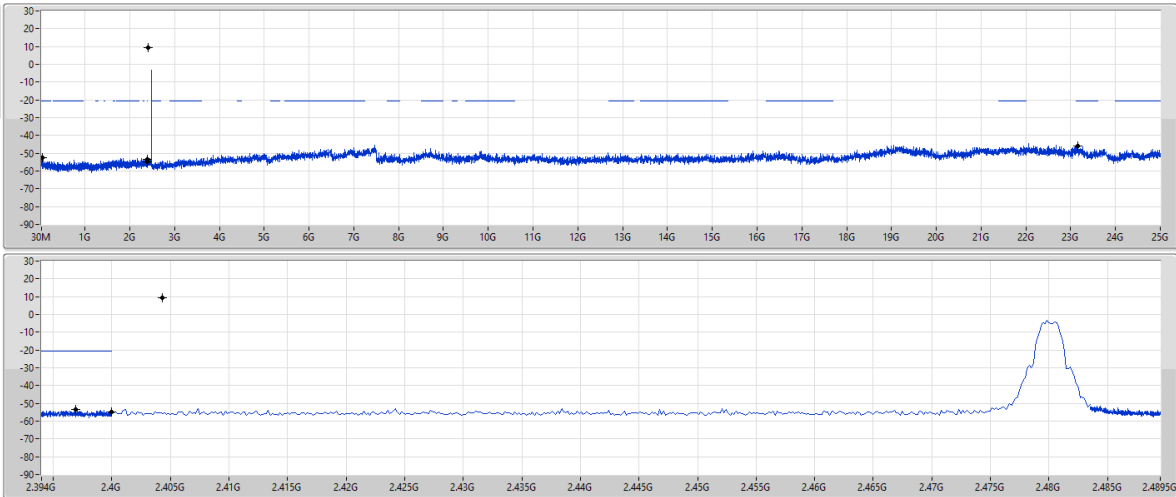
CSEndB

2480MHz

14/03/2026

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
2.40434G	9.55	-20.45	52.46M	-52.65	2.39689G	-53.47	2.4G	-55.04	23.15414G	-45.73	1



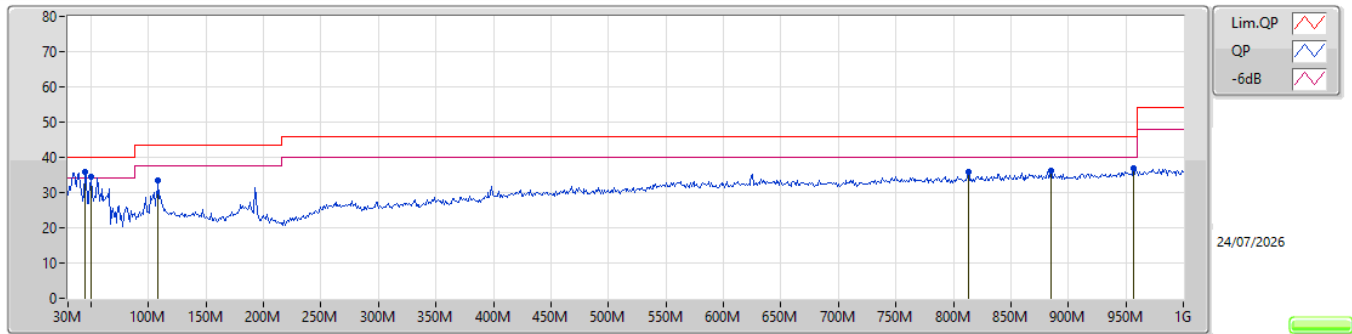
Radiated Emissions below 1GHz

Appendix F.1

Summary

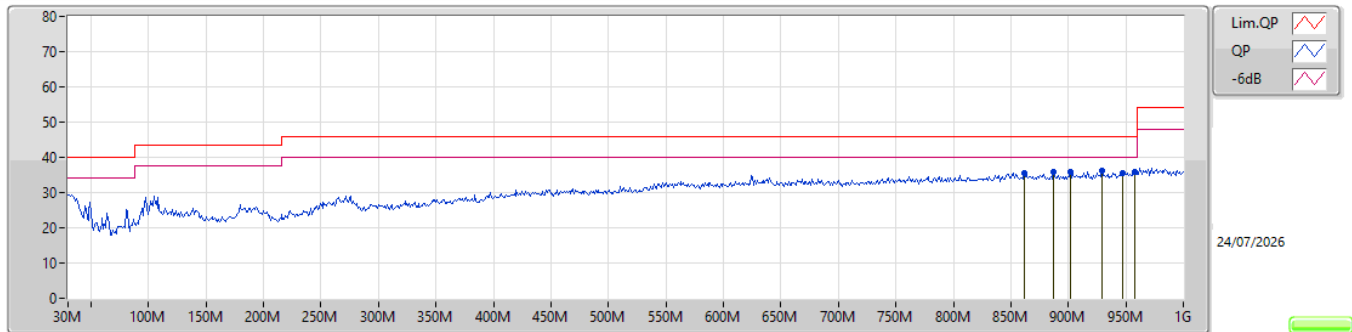
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 10	Pass	PK	44.55M	35.80	40.00	-4.20	Vertical

Mode 10



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
PK	44.55M	35.80	40.00	-4.20	-26.92	3	Vertical	20	2.00	"Worst"	62.72	16.54	1.17	44.63		
PK	50.37M	34.61	40.00	-5.39	-29.25	3	Vertical	340	1.00	-	63.86	14.18	1.28	44.71		
PK	956.35M	36.87	46.00	-9.13	-12.03	3	Vertical	0	1.50	-	48.90	26.68	5.21	43.92		
PK	884.57M	36.10	46.00	-9.90	-12.54	3	Vertical	324	1.25	-	48.64	26.38	5.03	43.95		
PK	812.79M	36.03	46.00	-9.97	-13.44	3	Vertical	42	1.00	-	49.47	25.64	4.85	43.93		
PK	108.57M	33.43	43.50	-10.07	-25.52	3	Vertical	189	1.00	-	58.95	17.45	1.84	44.81		

Mode 10



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
PK	861.29M	35.41	46.00	-10.59	-12.99	3	Horizontal	39	3.00	-	48.40	25.98	4.96	43.93		
PK	887.48M	36.00	46.00	-10.00	-12.56	3	Horizontal	49	3.00	-	48.56	26.36	5.03	43.95		
PK	902.03M	35.72	46.00	-10.28	-12.73	3	Horizontal	332	1.25	-	48.45	26.16	5.07	43.96		
PK	929.19M	36.16	46.00	-9.84	-12.39	3	Horizontal	123	2.00	"Worst"	48.55	26.41	5.14	43.94		
PK	947.62M	35.56	46.00	-10.44	-12.16	3	Horizontal	231	1.25	-	47.72	26.59	5.18	43.93		
PK	957.32M	35.96	46.00	-10.04	-11.98	3	Horizontal	47	2.00	-	47.94	26.73	5.21	43.92		



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	2.394G	2.4895G	AV	2.48358G	3.30	-45.31	-45.31	-42.01	-41.20	-0.81

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.394G	2.4895G	AV	2.48912G	3.30	-61.91	-61.91	-58.61	-41.20	-17.41
2405MHz	Pass	2.394G	2.4895G	PK	2.48921G	3.30	-50.83	-50.83	-47.53	-21.20	-26.33
2440MHz	Pass	2.394G	2.4895G	AV	2.48453G	3.30	-61.83	-61.83	-58.53	-41.20	-17.33
2440MHz	Pass	2.394G	2.4895G	PK	2.4895G	3.30	-50.33	-50.33	-47.03	-21.20	-25.83
2475MHz	Pass	2.394G	2.4895G	AV	2.48367G	3.30	-52.87	-52.87	-49.57	-41.20	-8.37
2475MHz	Pass	2.394G	2.4895G	PK	2.48367G	3.30	-40.43	-40.43	-37.13	-21.20	-15.93
2480MHz	Pass	2.394G	2.4895G	AV	2.48358G	3.30	-45.31	-45.31	-42.01	-41.20	-0.81
2480MHz	Pass	2.394G	2.4895G	PK	2.48367G	3.30	-35.08	-35.08	-31.78	-21.20	-10.58

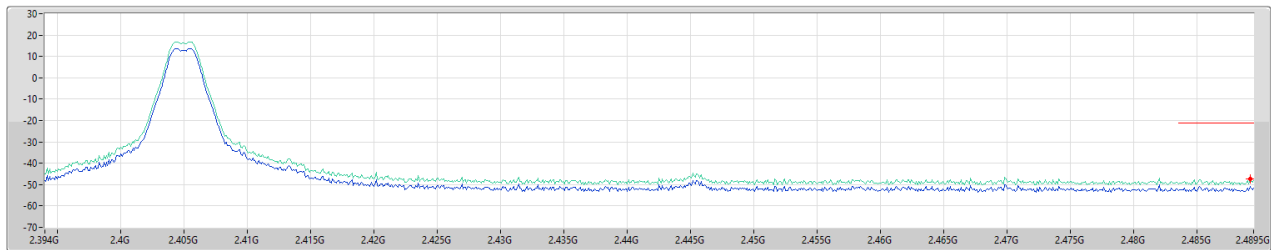
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2405MHz

14/03/2026



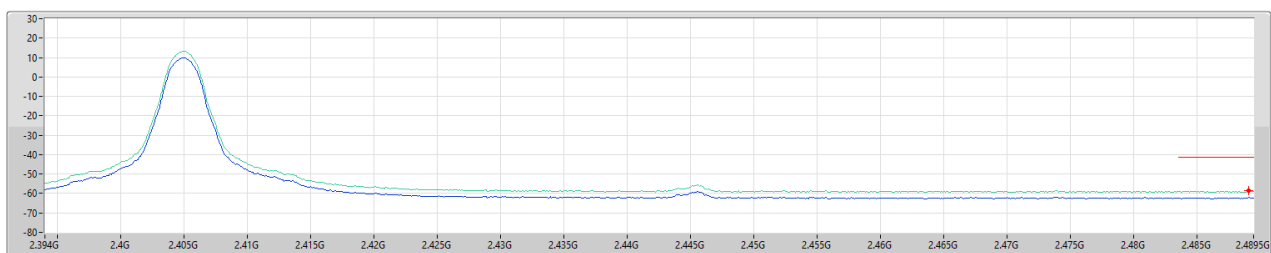
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.48921G	-47.53	-21.20	-26.33	3.30	0.00	-50.83	-50.83

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2405MHz

14/03/2026



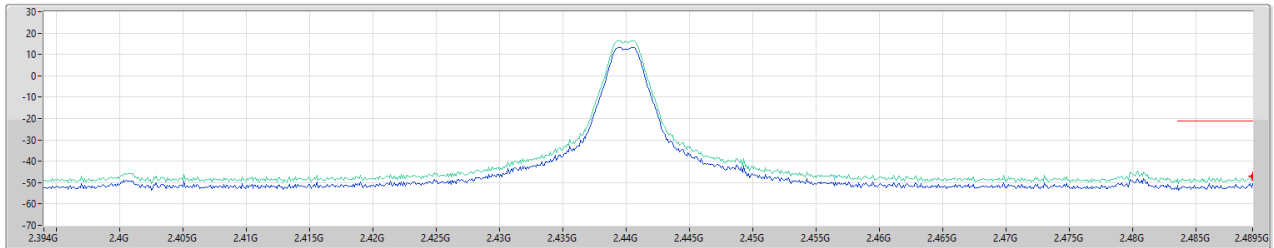
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48912G	-58.61	-41.20	-17.41	3.30	0.00	-61.91	-61.91

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2440MHz

14/03/2026



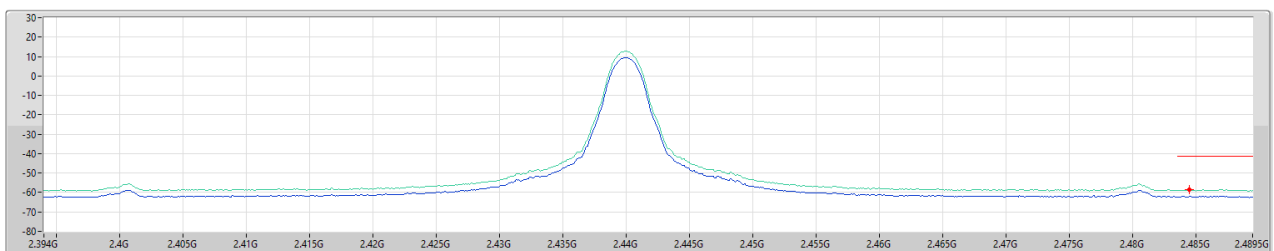
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.4895G	-47.03	-21.20	-25.83	3.30	0.00	-50.33	-50.33

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2440MHz

14/03/2026



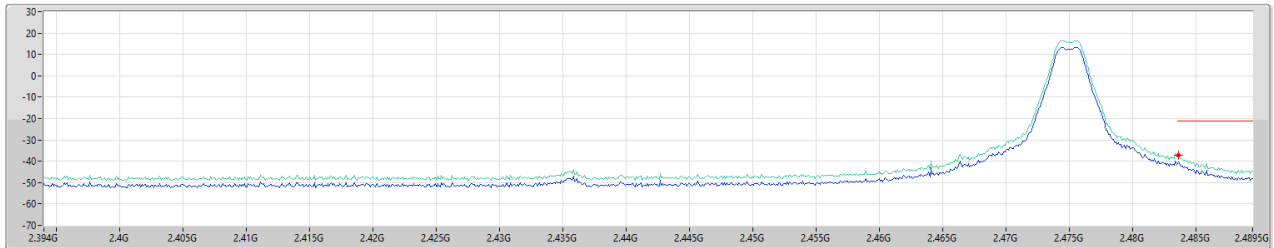
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48453G	-56.53	-41.20	-17.33	3.30	0.00	-61.83	-61.83

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2475MHz

14/03/2026



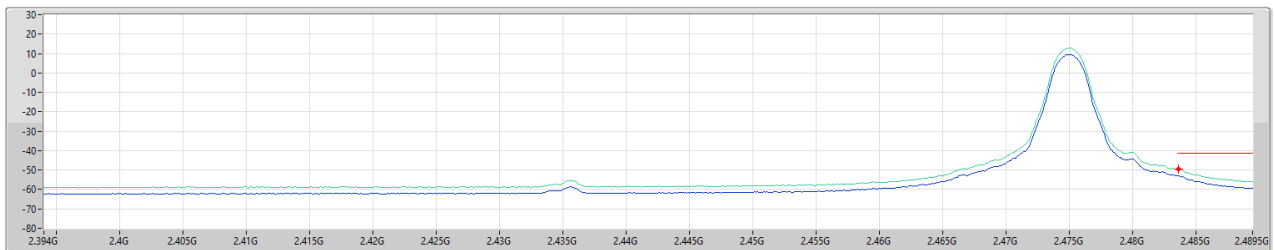
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psun(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.48367G	-37.13	-21.20	-15.93	3.30	0.00	-40.43	-40.43

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2475MHz

14/03/2026



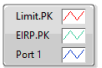
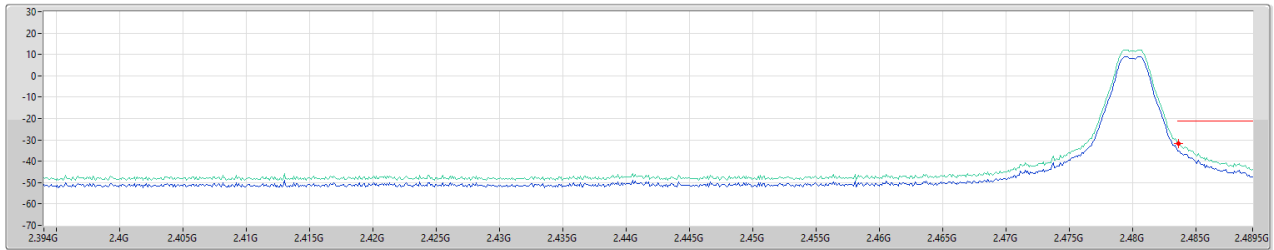
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psun(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48367G	-49.57	-41.20	-8.37	3.30	0.00	-52.87	-52.87

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2480MHz

14/03/2026



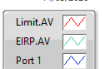
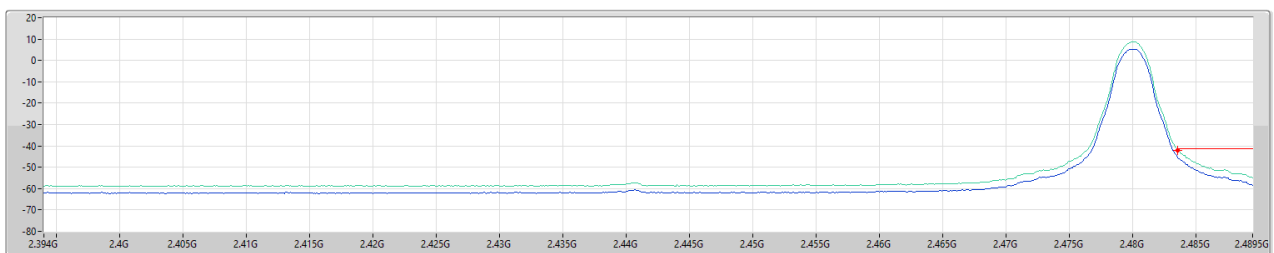
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psu(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.48367G	-31.78	-21.20	-10.58	3.30	0.00	-35.08	-35.08

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2480MHz

14/03/2026



F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psu(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48358G	-42.01	-41.20	-0.81	3.30	0.00	-45.31	-45.31



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	2.394G	2.4895G	AV	2.48358G	11.80	-53.48	-53.48	-41.68	-41.20	-0.48

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.394G	2.4895G	AV	2.48912G	11.80	-61.91	-61.91	-50.11	-41.20	-8.91
2405MHz	Pass	2.394G	2.4895G	PK	2.48921G	11.80	-50.83	-50.83	-39.03	-21.20	-17.83
2440MHz	Pass	2.394G	2.4895G	AV	2.48453G	11.80	-61.83	-61.83	-50.03	-41.20	-8.83
2440MHz	Pass	2.394G	2.4895G	PK	2.4895G	11.80	-50.33	-50.33	-38.53	-21.20	-17.33
2475MHz	Pass	2.394G	2.4895G	AV	2.48367G	11.80	-53.58	-53.58	-41.78	-41.20	-0.58
2475MHz	Pass	2.394G	2.4895G	PK	2.48387G	11.80	-43.11	-43.11	-31.31	-21.20	-10.11
2480MHz	Pass	2.394G	2.4895G	AV	2.48358G	11.80	-53.48	-53.48	-41.68	-41.20	-0.48
2480MHz	Pass	2.394G	2.4895G	PK	2.48358G	11.80	-43.85	-43.85	-32.05	-21.20	-10.85

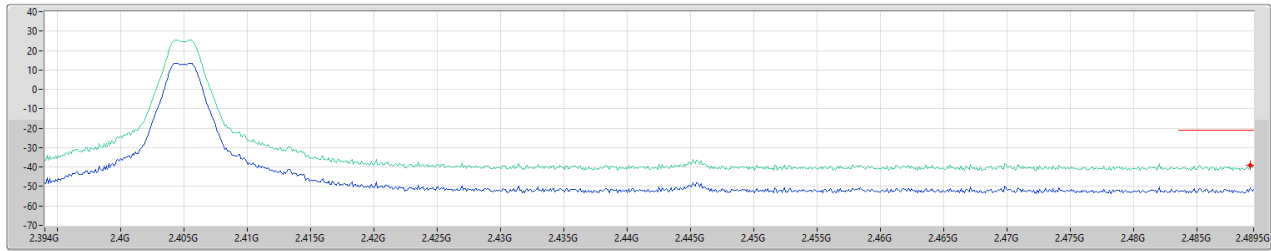
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2405MHz

14/03/2026



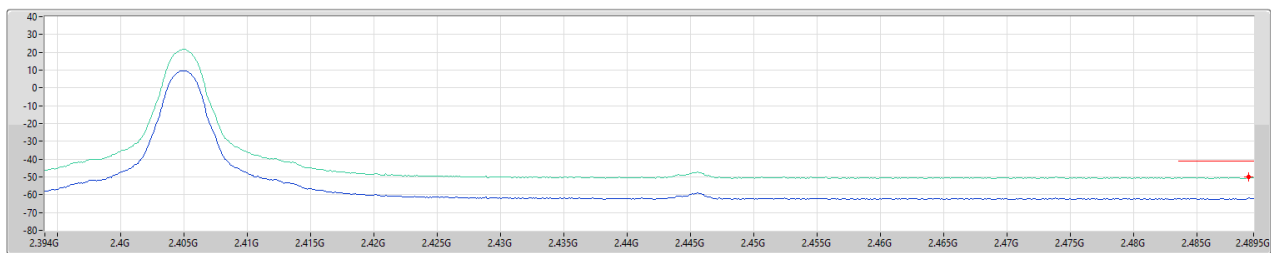
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.48921G	-39.03	-21.20	-17.83	11.80	0.00	-50.83	-50.83

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2405MHz

14/03/2026



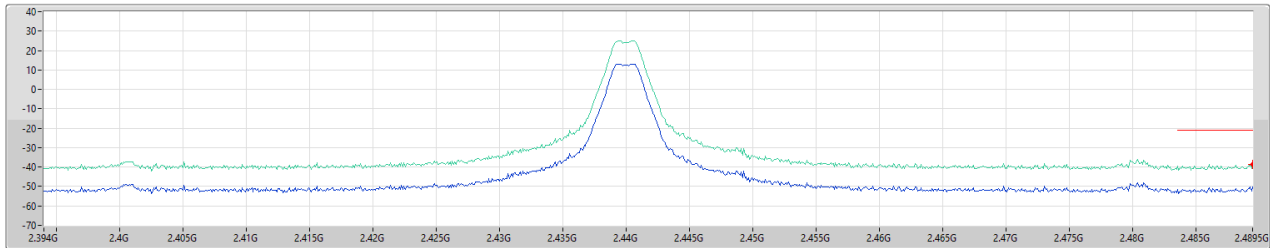
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48912G	-50.11	-41.20	-8.91	11.80	0.00	-61.91	-61.91

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2440MHz

14/03/2026



Limit.PK
EIRP.PK
Port 1

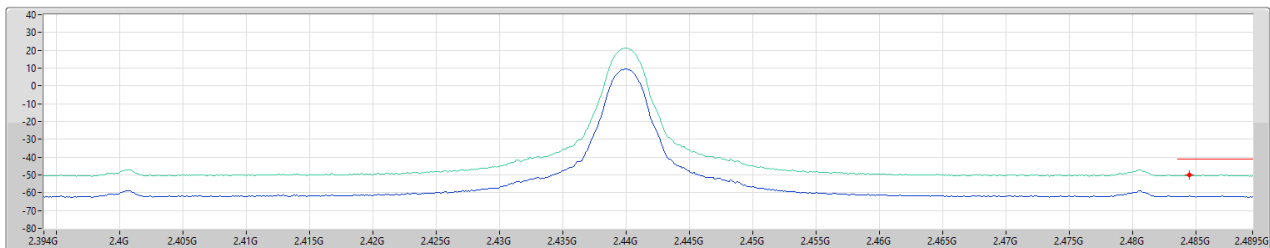
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.4895G	-38.53	-21.20	-17.33	11.80	0.00	-50.33	-50.33

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2440MHz

14/03/2026



Limit.AV
EIRP.AV
Port 1

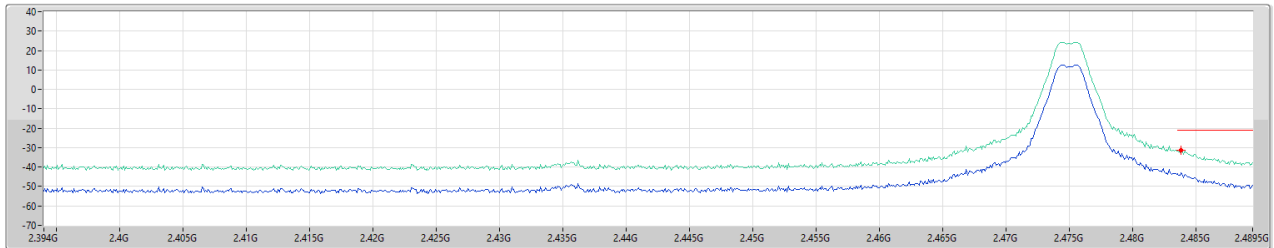
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48453G	-50.03	-41.20	-8.83	11.80	0.00	-61.83	-61.83

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2475MHz

14/03/2026



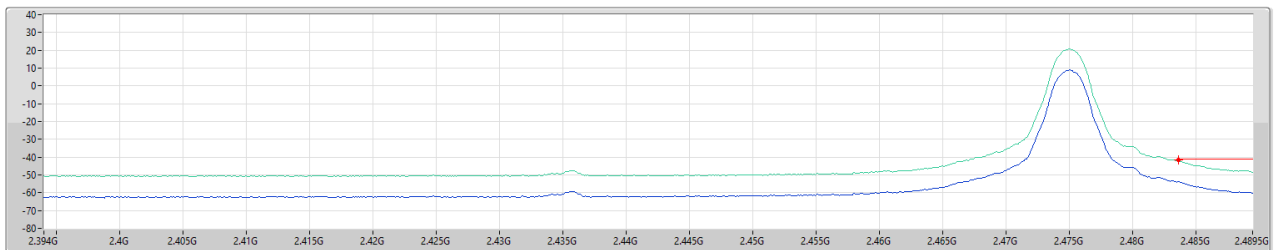
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.48387G	-31.31	-21.20	-10.11	11.80	0.00	-43.11	-43.11

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2475MHz

14/03/2026



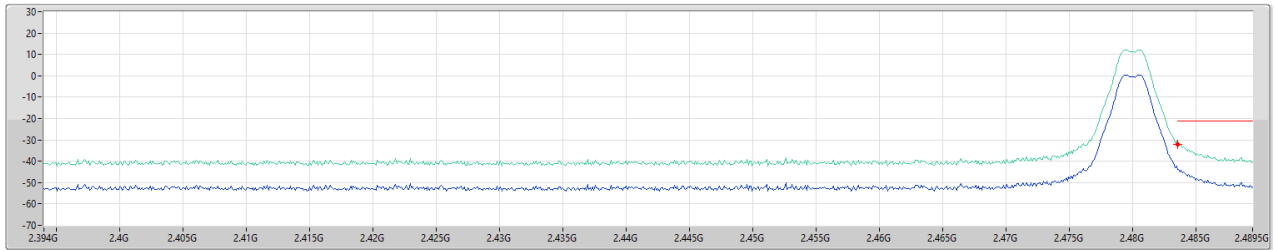
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2.394G	2.4895G	1M	AV	2.48367G	-41.78	-41.20	-0.58	11.80	0.00	-53.58	-53.58

2.4-2.4835GHz_802.15.4

CSE Bandedge [PK]

2480MHz

14/03/2026



Limit.PK
EIRP.PK
Port 1

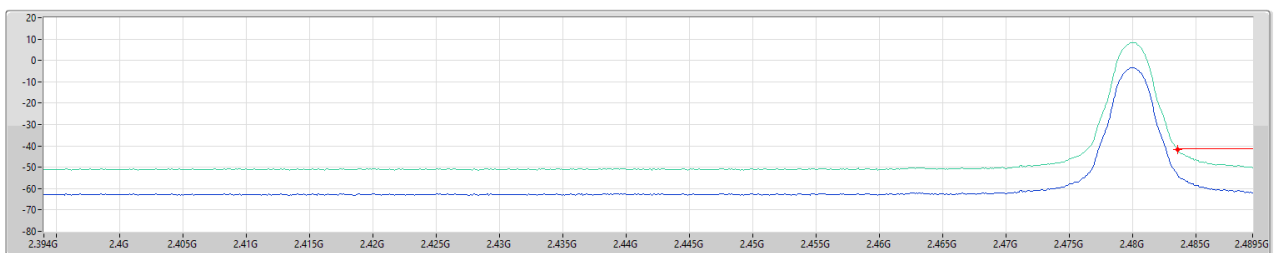
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psun(dBm)	P1(dBm)
2.394G	2.4895G	1M	PK	2.48358G	-32.05	-21.20	-10.85	11.80	0.00	-43.85	-43.85

2.4-2.4835GHz_802.15.4

CSE Bandedge [AV]

2480MHz

14/03/2026



Limit.AV
EIRP.AV
Port 1

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psun(dBm)	P1(dBm)
2.394G	2.4895G	1M	AV	2.48358G	-41.68	-41.20	-0.48	11.80	0.00	-53.48	-53.48



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	1G	3G	AV	2.366G	3.30	-61.83	-61.83	-58.53	-41.20	-17.33

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	1G	3G	AV	2.366G	3.30	-61.94	-61.94	-58.64	-41.20	-17.44
2405MHz	Pass	1G	3G	AV	2.5G	3.30	-74.24	-74.24	-70.94	-41.20	-29.74
2405MHz	Pass	1G	3G	PK	2.366G	3.30	-54.35	-54.35	-51.05	-21.20	-29.85
2405MHz	Pass	1G	3G	PK	2.5G	3.30	-66.82	-66.82	-63.52	-21.20	-42.32
2440MHz	Pass	1G	3G	AV	2.366G	3.30	-61.83	-61.83	-58.53	-41.20	-17.33
2440MHz	Pass	1G	3G	AV	2.5G	3.30	-74.44	-74.44	-71.14	-41.20	-29.94
2440MHz	Pass	1G	3G	PK	2.366G	3.30	-54.83	-54.83	-51.53	-21.20	-30.33
2440MHz	Pass	1G	3G	PK	2.5G	3.30	-67.08	-67.08	-63.78	-21.20	-42.58
2480MHz	Pass	1G	3G	AV	2.37G	3.30	-76.10	-76.10	-72.80	-41.20	-31.60
2480MHz	Pass	1G	3G	AV	2.496G	3.30	-70.35	-70.35	-67.05	-41.20	-25.85
2480MHz	Pass	1G	3G	PK	2.318G	3.30	-67.18	-67.18	-63.88	-21.20	-42.68
2480MHz	Pass	1G	3G	PK	2.498G	3.30	-62.40	-62.40	-59.10	-21.20	-37.90

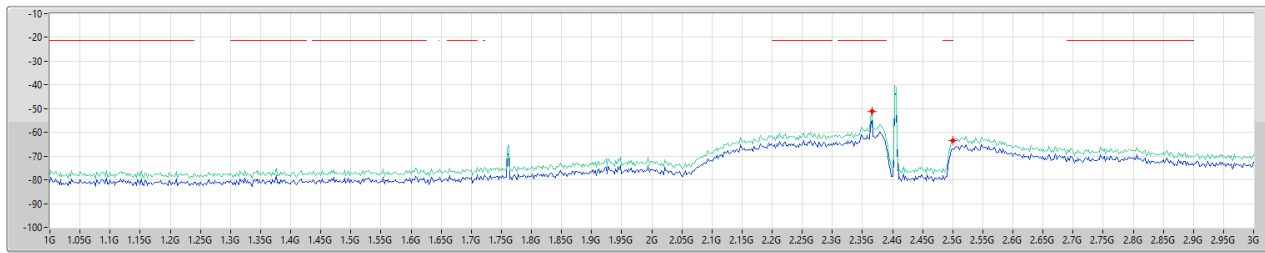
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE Other [PK]

2405MHz

14/03/2026



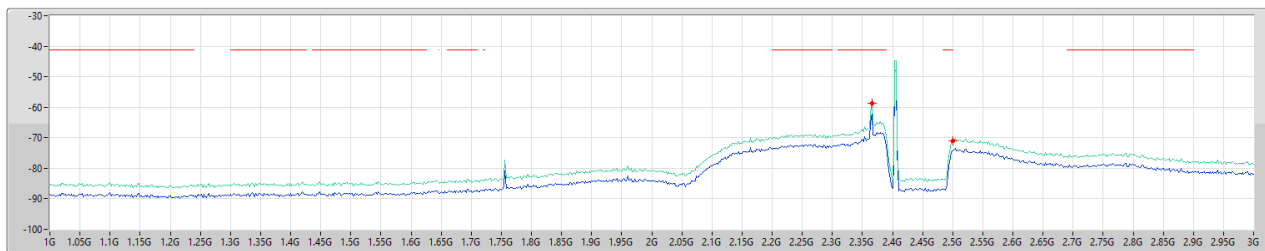
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	PK	2.366G	-51.05	-21.20	-29.85	3.30	0.00	-54.35	-54.35
1G	3G	1M	PK	2.5G	-63.52	-21.20	-42.32	3.30	0.00	-66.82	-66.82

2.4-2.4835GHz_802.15.4

CSE Other [AV]

2405MHz

14/03/2026



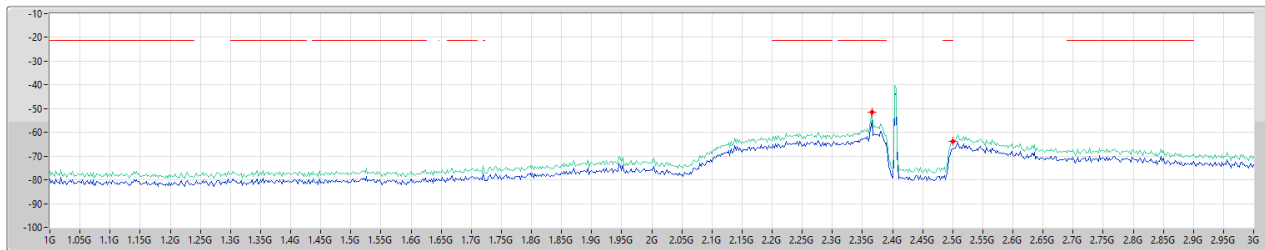
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	AV	2.366G	-58.64	-41.20	-17.44	3.30	0.00	-61.94	-61.94
1G	3G	1M	AV	2.5G	-70.94	-41.20	-29.74	3.30	0.00	-74.24	-74.24

2.4-2.4835GHz_802.15.4

CSE Other [PK]

2440MHz

14/03/2026



Limit:PK
ERP:PK
Port 1

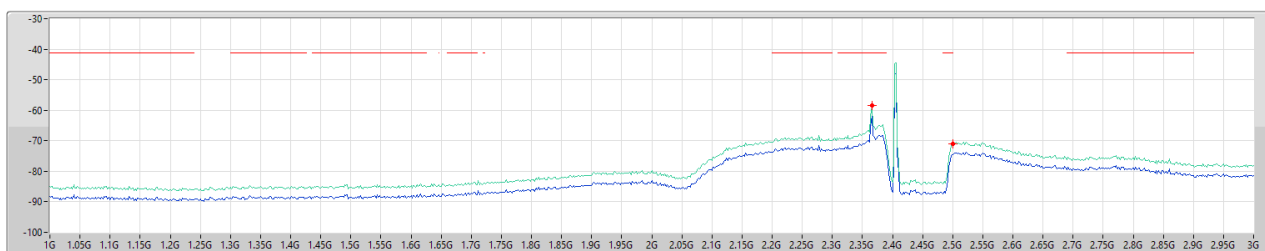
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	PK	2.366G	-51.53	-21.20	-30.33	3.30	0.00	-54.83	-54.83
1G	3G	1M	PK	2.5G	-63.78	-21.20	-42.58	3.30	0.00	-67.08	-67.08

2.4-2.4835GHz_802.15.4

CSE Other [AV]

2440MHz

14/03/2026



Limit:AV
ERP:AV
Port 1

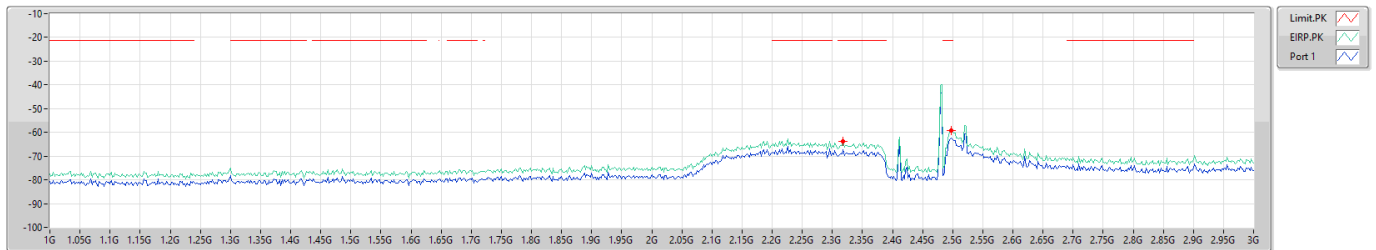
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	AV	2.366G	-58.53	-41.20	-17.33	3.30	0.00	-61.83	-61.83
1G	3G	1M	AV	2.5G	-71.14	-41.20	-29.94	3.30	0.00	-74.44	-74.44

2.4-2.4835GHz_802.15.4

CSE Other [PK]

2480MHz

14/03/2026



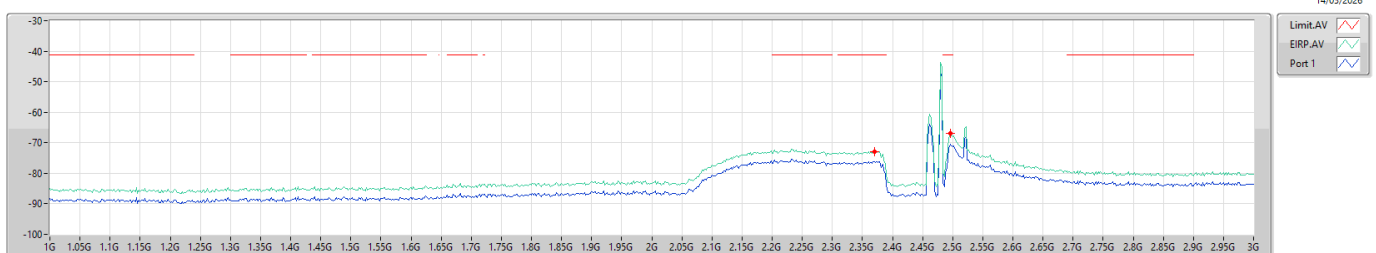
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	PK	2.318G	-63.88	-21.20	-42.68	3.30	0.00	-67.18	-67.18
1G	3G	1M	PK	2.498G	-59.10	-21.20	-37.90	3.30	0.00	-62.40	-62.40

2.4-2.4835GHz_802.15.4

CSE Other [AV]

2480MHz

14/03/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	AV	2.37G	-72.80	-41.20	-31.60	3.30	0.00	-76.10	-76.10
1G	3G	1M	AV	2.496G	-67.05	-41.20	-25.85	3.30	0.00	-70.35	-70.35



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	1G	3G	AV	2.366G	11.80	-61.83	-61.83	-50.03	-41.20	-8.83

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	1G	3G	AV	2.366G	11.80	-61.94	-61.94	-50.14	-41.20	-8.94
2405MHz	Pass	1G	3G	AV	2.5G	11.80	-74.24	-74.24	-62.44	-41.20	-21.24
2405MHz	Pass	1G	3G	PK	2.366G	11.80	-54.35	-54.35	-42.55	-21.20	-21.35
2405MHz	Pass	1G	3G	PK	2.5G	11.80	-66.82	-66.82	-55.02	-21.20	-33.82
2440MHz	Pass	1G	3G	AV	2.366G	11.80	-61.83	-61.83	-50.03	-41.20	-8.83
2440MHz	Pass	1G	3G	AV	2.5G	11.80	-74.44	-74.44	-62.64	-41.20	-21.44
2440MHz	Pass	1G	3G	PK	2.366G	11.80	-54.83	-54.83	-43.03	-21.20	-21.83
2440MHz	Pass	1G	3G	PK	2.5G	11.80	-67.08	-67.08	-55.28	-21.20	-34.08
2480MHz	Pass	1G	3G	AV	2.356G	11.80	-71.64	-71.64	-59.84	-41.20	-18.64
2480MHz	Pass	1G	3G	AV	2.498G	11.80	-65.25	-65.25	-53.45	-41.20	-12.25
2480MHz	Pass	1G	3G	PK	2.33G	11.80	-63.44	-63.44	-51.64	-21.20	-30.44
2480MHz	Pass	1G	3G	PK	2.498G	11.80	-58.13	-58.13	-46.33	-21.20	-25.13

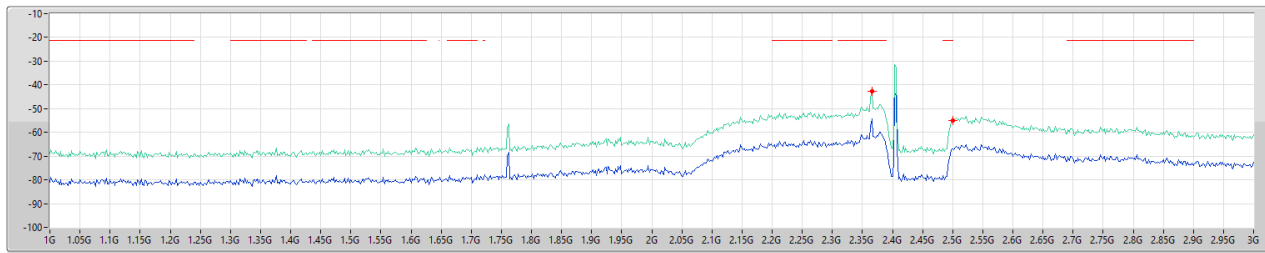
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE Other [PK]

2405MHz

14/03/2026



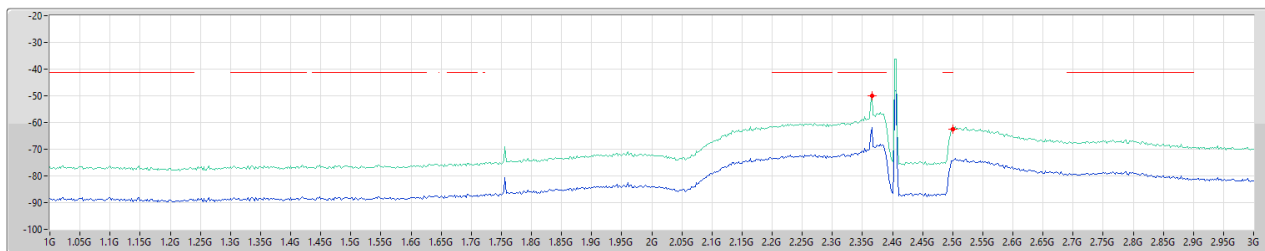
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	PK	2.366G	-42.55	-21.20	-21.35	11.80	0.00	-54.35	-54.35
1G	3G	1M	PK	2.5G	-55.02	-21.20	-33.82	11.80	0.00	-66.82	-66.82

2.4-2.4835GHz_802.15.4

CSE Other [AV]

2405MHz

14/03/2026



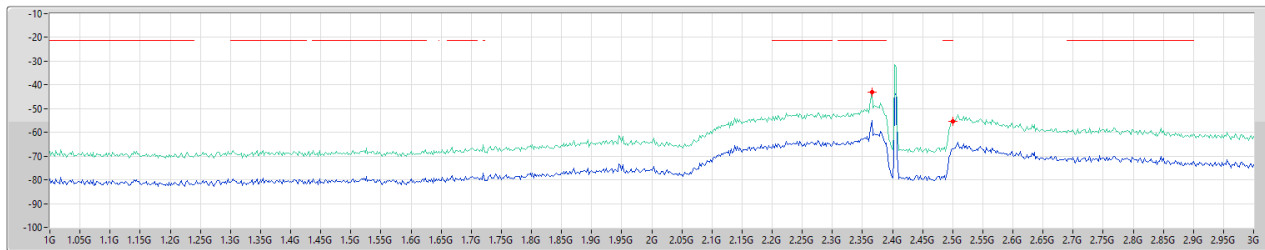
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	AV	2.366G	-50.14	-41.20	-8.94	11.80	0.00	-61.94	-61.94
1G	3G	1M	AV	2.5G	-62.44	-41.20	-21.24	11.80	0.00	-74.24	-74.24

2.4-2.4835GHz_802.15.4

CSE Other [PK]

2440MHz

14/03/2026



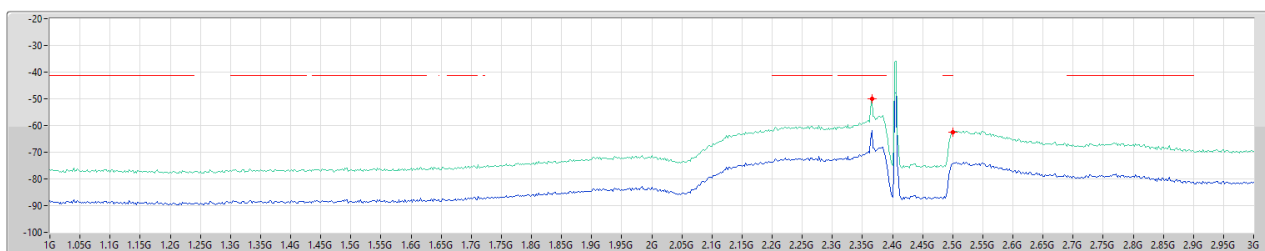
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	PK	2.366G	-43.03	-21.20	-21.83	11.80	0.00	-54.83	-54.83
1G	3G	1M	PK	2.5G	-55.28	-21.20	-34.08	11.80	0.00	-67.08	-67.08

2.4-2.4835GHz_802.15.4

CSE Other [AV]

2440MHz

14/03/2026



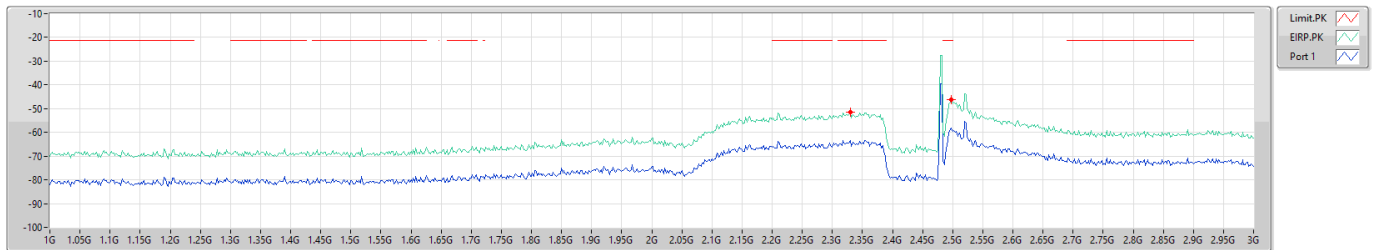
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	AV	2.366G	-50.03	-41.20	-8.83	11.80	0.00	-61.83	-61.83
1G	3G	1M	AV	2.5G	-62.64	-41.20	-21.44	11.80	0.00	-74.44	-74.44

2.4-2.4835GHz_802.15.4

CSE Other [PK]

2480MHz

14/03/2026



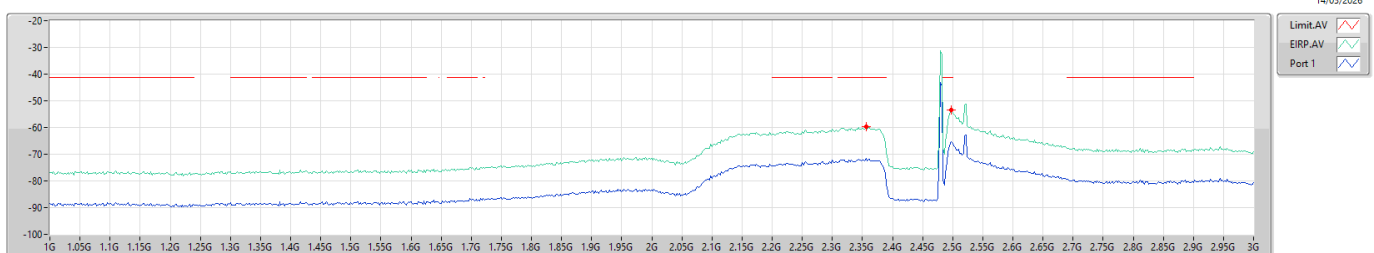
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	PK	2.33G	-51.64	-21.20	-30.44	11.80	0.00	-63.44	-63.44
1G	3G	1M	PK	2.498G	-46.33	-21.20	-25.13	11.80	0.00	-58.13	-58.13

2.4-2.4835GHz_802.15.4

CSE Other [AV]

2480MHz

14/03/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	3G	1M	AV	2.356G	-59.84	-41.20	-18.64	11.80	0.00	-71.64	-71.64
1G	3G	1M	AV	2.498G	-53.45	-41.20	-12.25	11.80	0.00	-65.25	-65.25



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	3G	25G	AV	19.214G	3.30	-79.79	-79.79	-76.49	-41.20	-35.29

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	3G	25G	AV	4.80675G	3.30	-81.48	-81.48	-78.18	-41.20	-36.98
2405MHz	Pass	3G	25G	AV	19.082G	3.30	-80.32	-80.32	-77.02	-41.20	-35.82
2405MHz	Pass	3G	25G	PK	4.81225G	3.30	-75.44	-75.44	-72.14	-21.20	-50.94
2405MHz	Pass	3G	25G	PK	19.049G	3.30	-71.74	-71.74	-68.44	-21.20	-47.24
2440MHz	Pass	3G	25G	AV	4.88375G	3.30	-81.07	-81.07	-77.77	-41.20	-36.57
2440MHz	Pass	3G	25G	AV	19.214G	3.30	-79.79	-79.79	-76.49	-41.20	-35.29
2440MHz	Pass	3G	25G	PK	4.85625G	3.30	-71.43	-71.43	-68.13	-21.20	-46.93
2440MHz	Pass	3G	25G	PK	4.88375G	3.30	-73.01	-73.01	-69.71	-21.20	-48.51
2480MHz	Pass	3G	25G	AV	4.958G	3.30	-81.15	-81.15	-77.85	-41.20	-36.65
2480MHz	Pass	3G	25G	AV	19.2415G	3.30	-79.94	-79.94	-76.64	-41.20	-35.44
2480MHz	Pass	3G	25G	PK	4.958G	3.30	-71.80	-71.80	-68.50	-21.20	-47.30

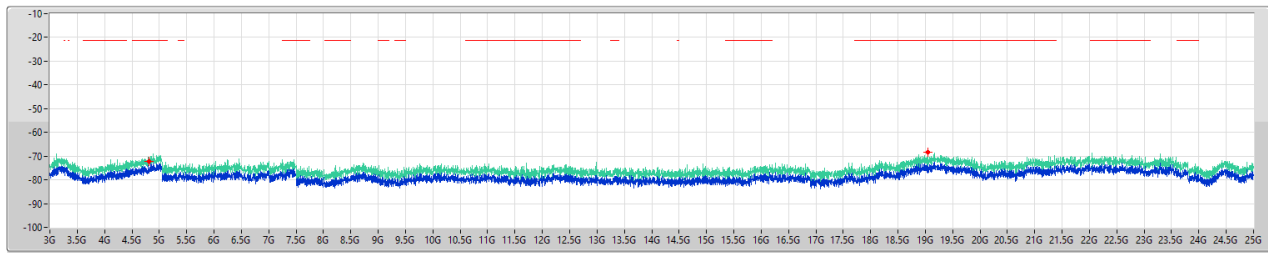
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE [PK]

2405MHz

14/03/2026



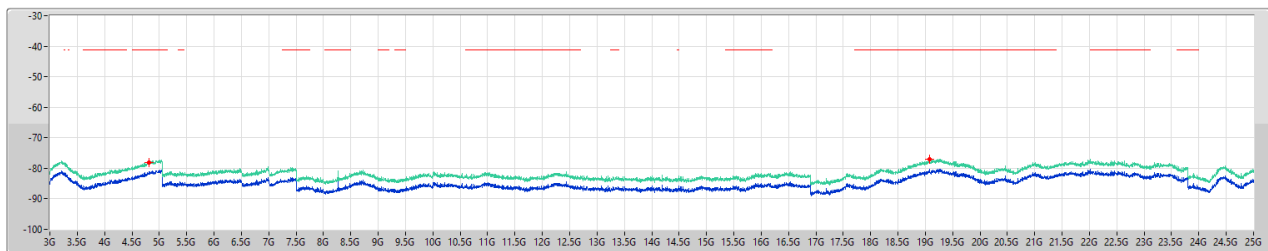
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	PK	4.81225G	-72.14	-21.20	-50.94	3.30	0.00	-75.44	-75.44
3G	25G	1M	PK	19.049G	-68.44	-21.20	-47.24	3.30	0.00	-71.74	-71.74

2.4-2.4835GHz_802.15.4

CSE [AV]

2405MHz

14/03/2026



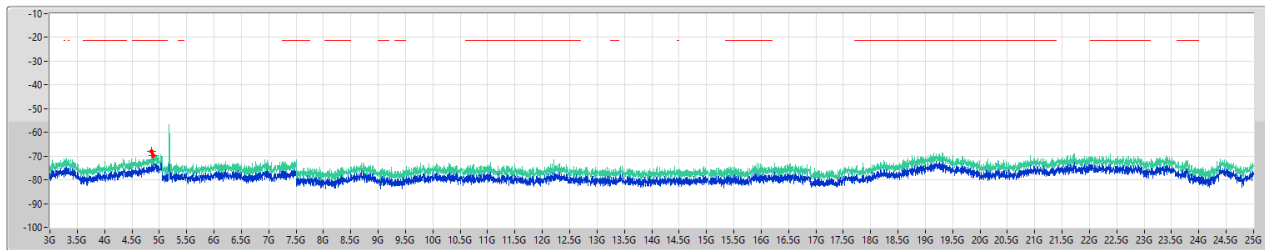
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	AV	4.80675G	-78.18	-41.20	-36.98	3.30	0.00	-81.48	-81.48
3G	25G	1M	AV	19.082G	-77.02	-41.20	-35.82	3.30	0.00	-80.32	-80.32

2.4-2.4835GHz_802.15.4

CSE [PK]

2440MHz

14/03/2026



Limit:PK
ERP:PK
Port 1

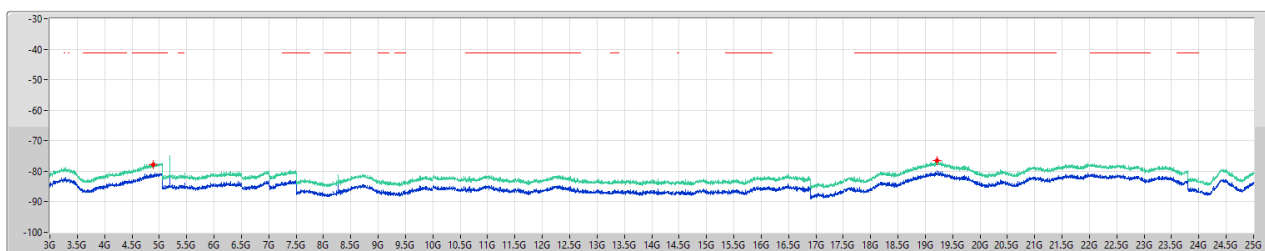
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	PK	4.85625G	-68.13	-21.20	-46.93	3.30	0.00	-71.43	-71.43
3G	25G	1M	PK	4.88375G	-69.71	-21.20	-48.51	3.30	0.00	-73.01	-73.01

2.4-2.4835GHz_802.15.4

CSE [AV]

2440MHz

14/03/2026



Limit:AV
ERP:AV
Port 1

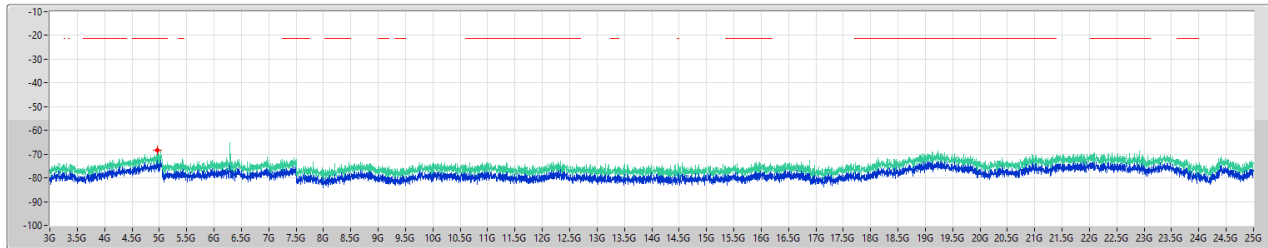
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	AV	4.88375G	-77.77	-41.20	-36.57	3.30	0.00	-81.07	-81.07
3G	25G	1M	AV	19.214G	-76.49	-41.20	-35.29	3.30	0.00	-79.79	-79.79

2.4-2.4835GHz_802.15.4

CSE [PK]

2480MHz

14/03/2026



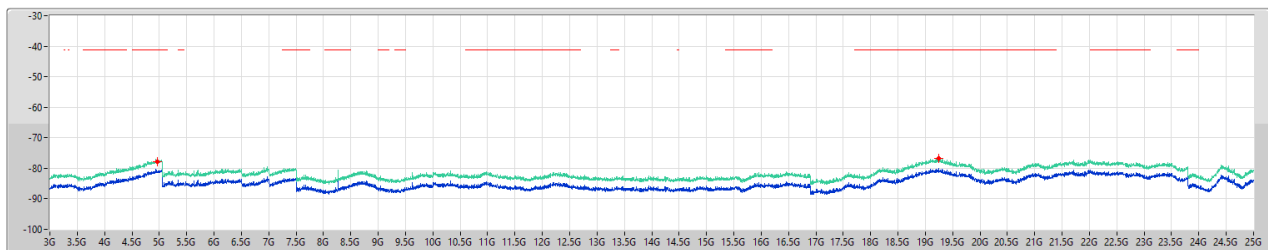
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	PK	4.958G	-68.50	-21.20	-47.30	3.30	0.00	-71.80	-71.80

2.4-2.4835GHz_802.15.4

CSE [AV]

2480MHz

14/03/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	AV	4.958G	-77.85	-41.20	-36.65	3.30	0.00	-81.15	-81.15
3G	25G	1M	AV	19.2415G	-76.64	-41.20	-35.44	3.30	0.00	-79.94	-79.94



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	3G	25G	AV	19.214G	11.80	-79.79	-79.79	-67.99	-41.20	-26.79

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	3G	25G	AV	4.80675G	11.80	-81.48	-81.48	-69.68	-41.20	-28.48
2405MHz	Pass	3G	25G	AV	19.082G	11.80	-80.32	-80.32	-68.52	-41.20	-27.32
2405MHz	Pass	3G	25G	PK	4.81225G	11.80	-75.44	-75.44	-63.64	-21.20	-42.44
2405MHz	Pass	3G	25G	PK	19.049G	11.80	-71.74	-71.74	-59.94	-21.20	-38.74
2440MHz	Pass	3G	25G	AV	4.88375G	11.80	-81.07	-81.07	-69.27	-41.20	-28.07
2440MHz	Pass	3G	25G	AV	19.214G	11.80	-79.79	-79.79	-67.99	-41.20	-26.79
2440MHz	Pass	3G	25G	PK	4.85625G	11.80	-71.43	-71.43	-59.63	-21.20	-38.43
2440MHz	Pass	3G	25G	PK	4.88375G	11.80	-73.01	-73.01	-61.21	-21.20	-40.01
2480MHz	Pass	3G	25G	AV	4.958G	11.80	-81.09	-81.09	-69.29	-41.20	-28.09
2480MHz	Pass	3G	25G	AV	19.21675G	11.80	-80.12	-80.12	-68.32	-41.20	-27.12
2480MHz	Pass	3G	25G	PK	4.958G	11.80	-73.89	-73.89	-62.09	-21.20	-40.89
2480MHz	Pass	3G	25G	PK	19.26625G	11.80	-72.14	-72.14	-60.34	-21.20	-39.14

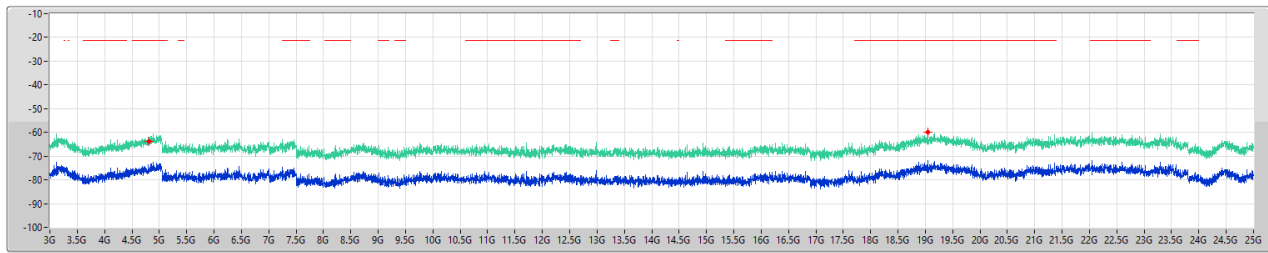
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE [PK]

2405MHz

14/03/2026



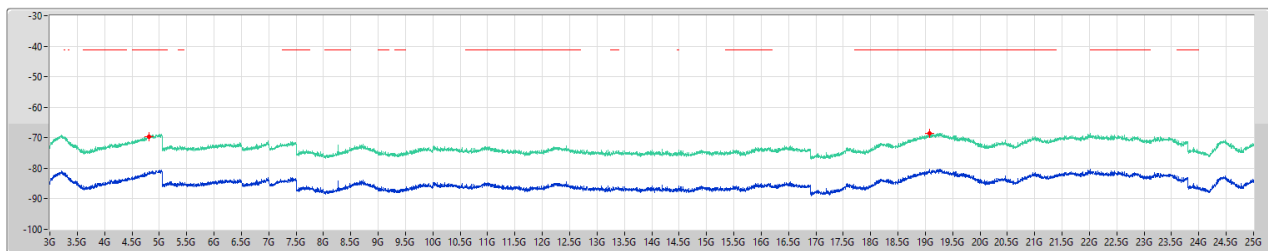
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	PK	4.81225G	-63.64	-21.20	-42.44	11.80	0.00	-75.44	-75.44
3G	25G	1M	PK	19.049G	-59.94	-21.20	-38.74	11.80	0.00	-71.74	-71.74

2.4-2.4835GHz_802.15.4

CSE [AV]

2405MHz

14/03/2026



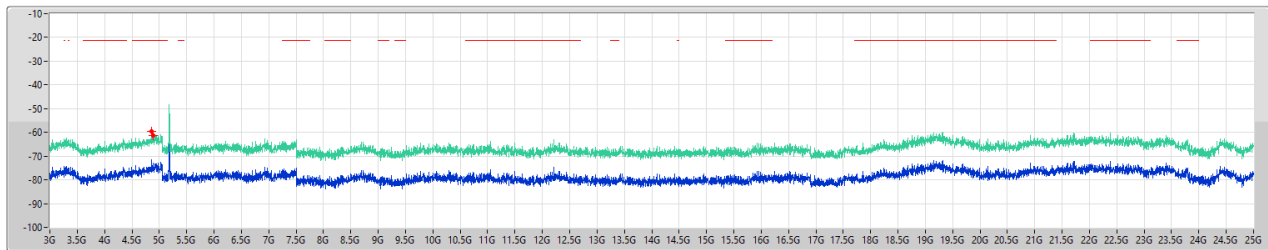
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	AV	4.80675G	-69.68	-41.20	-28.48	11.80	0.00	-81.48	-81.48
3G	25G	1M	AV	19.082G	-66.52	-41.20	-27.32	11.80	0.00	-80.32	-80.32

2.4-2.4835GHz_802.15.4

CSE [PK]

2440MHz

14/03/2026



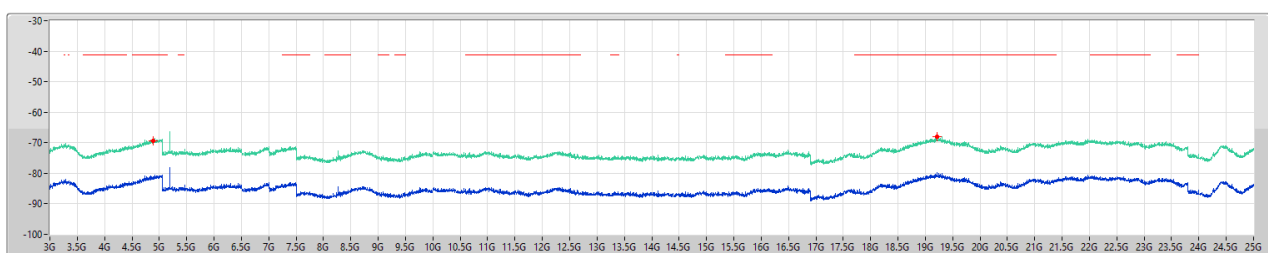
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	PK	4.85625G	-59.63	-21.20	-38.43	11.80	0.00	-71.43	-71.43
3G	25G	1M	PK	4.88375G	-61.21	-21.20	-40.01	11.80	0.00	-73.01	-73.01

2.4-2.4835GHz_802.15.4

CSE [AV]

2440MHz

14/03/2026



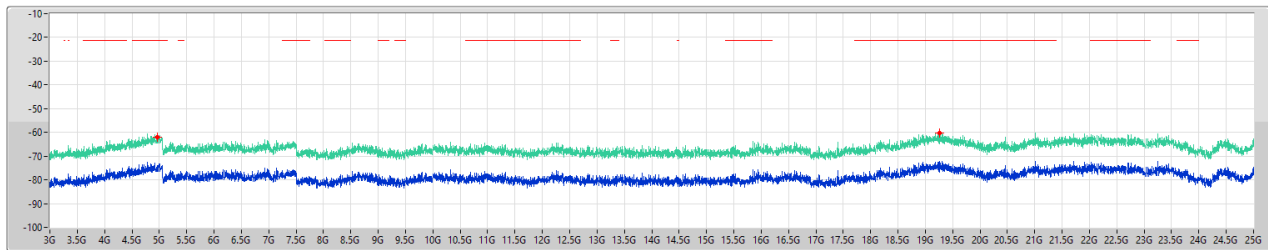
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	AV	4.88375G	-69.27	-41.20	-28.07	11.80	0.00	-81.07	-81.07
3G	25G	1M	AV	19.214G	-67.99	-41.20	-26.79	11.80	0.00	-79.79	-79.79

2.4-2.4835GHz_802.15.4

CSE [PK]

2480MHz

14/03/2026



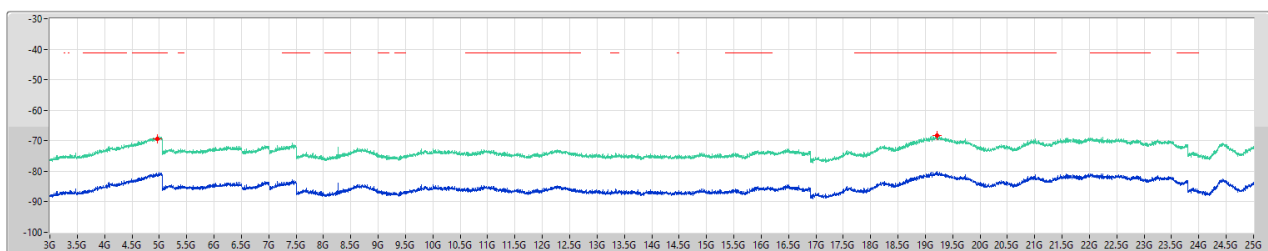
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	PK	4.958G	-62.09	-21.20	-40.89	11.80	0.00	-73.89	-73.89
3G	25G	1M	PK	19.26625G	-60.34	-21.20	-39.14	11.80	0.00	-72.14	-72.14

2.4-2.4835GHz_802.15.4

CSE [AV]

2480MHz

14/03/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
3G	25G	1M	AV	4.958G	-69.29	-41.20	-28.09	11.80	0.00	-81.09	-81.09
3G	25G	1M	AV	19.21675G	-68.32	-41.20	-27.12	11.80	0.00	-80.12	-80.12

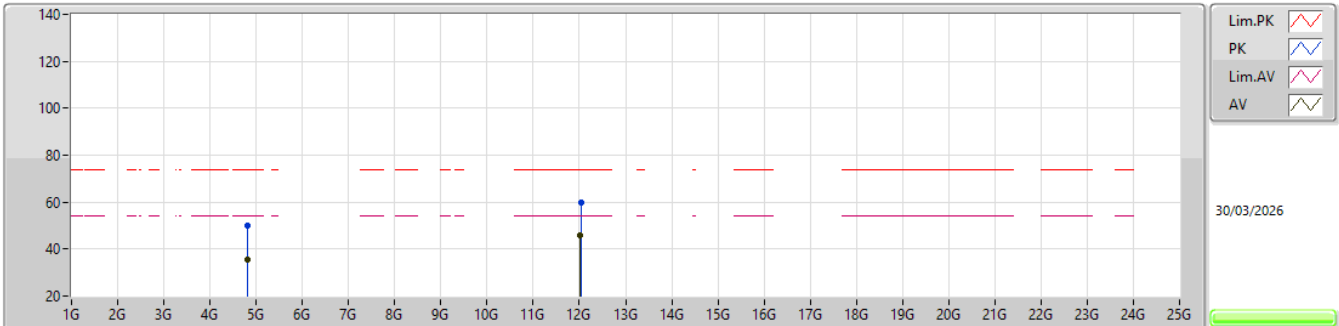


Summary

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	Pass	AV	12.01982G	46.53	54.00	-7.47	3	Horizontal	7	1.82	-

2.4-2.4835GHz_802.15.4

2405MHz_TX

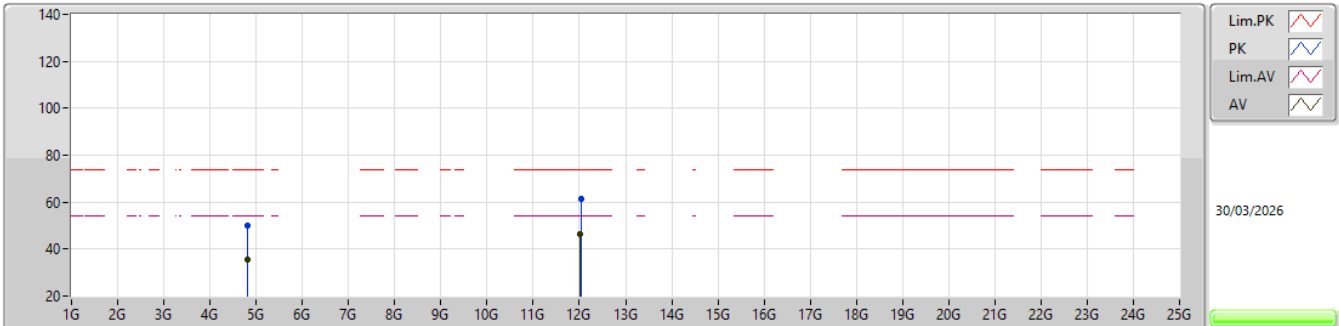


EUT_Z_1TX
Setting 13
02-E-K-3

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	4.80856G	49.95	74.00	-24.05	39.76	3	Vertical	239	1.77	-	32.92	7.40	30.13				
AV	4.80974G	35.58	54.00	-18.42	25.39	3	Vertical	239	1.77	-	32.92	7.40	30.13				
PK	12.02901G	59.57	74.00	-14.43	39.07	3	Vertical	276	1.80	-	39.14	12.79	31.43				
AV	12.01998G	46.02	54.00	-7.98	25.50	3	Vertical	276	1.80	-	39.16	12.79	31.43				

2.4-2.4835GHz_802.15.4

2405MHz_TX



EUT_Z_1TX
Setting 13
02-E-K-3

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	4.80786G	49.96	74.00	-24.04	39.77	3	Horizontal	179	1.80	-	32.92	7.40	30.13					
AV	4.80842G	35.73	54.00	-18.27	25.54	3	Horizontal	179	1.80	-	32.92	7.40	30.13					
PK	12.0298G	61.40	74.00	-12.60	40.90	3	Horizontal	7	1.82	-	39.14	12.79	31.43					
AV	12.01982G	46.53	54.00	-7.47	26.01	3	Horizontal	7	1.82	-	39.16	12.79	31.43					

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Mode 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	799.94M	11.90	-96.27	-87.58	-67.53	-100.25	-67.48	-50.88	-49.20	-1.68
Mode 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	800.06M	11.90	-92.50	-87.90	-67.57	-98.69	-67.51	-50.91	-49.20	-1.71
Mode 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	799.94M	11.90	-103.10	-90.27	-67.86	-99.19	-67.83	-51.23	-49.20	-2.03
Mode 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	800.06M	11.90	-101.20	-87.44	-67.44	-102.67	-67.39	-50.79	-49.20	-1.59
Mode 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	498.87M	11.90	-101.16	-66.26	-96.76	-99.69	-66.25	-49.65	-49.20	-0.45
Mode 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	499.97M	11.90	-100.77	-67.50	-97.83	-101.10	-67.49	-50.89	-49.20	-1.69
Mode 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	800.06M	11.90	-96.36	-87.03	-68.28	-99.85	-68.21	-51.61	-49.20	-2.41
Mode 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	799.94M	11.90	-97.11	-86.48	-68.36	-100.16	-68.29	-51.69	-49.20	-2.49
Mode 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	800.06M	11.90	-101.20	-86.60	-67.90	-101.15	-67.84	-51.24	-49.20	-2.04
Mode 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	800.06M	11.90	-98.28	-85.86	-67.83	-98.54	-67.75	-51.15	-49.20	-1.95
Mode 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	799.94M	11.90	-99.11	-86.45	-67.47	-99.07	-67.41	-50.81	-49.20	-1.61
Mode 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	30M	1G	PK	800.06M	11.90	-99.47	-86.14	-67.94	-102.44	-67.87	-51.27	-49.20	-2.07

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P2 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Co-location	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	8G	AV	2.28625G	11.90	-60.16	-91.78	-91.78	-91.88	-60.12	-48.22	-41.20	-7.02
5180MHz	Pass	30M	1G	PK	799.94M	11.90	-96.27	-87.58	-87.58	-100.25	-67.48	-50.88	-49.20	-1.68
5180MHz	Pass	1G	8G	PK	2.43938G	11.90	-55.39	-78.57	-78.57	-79.33	-46.09	-34.19	-27.00	-7.19
5200MHz	Pass	1G	8G	AV	2.28013G	11.90	-60.31	-91.84	-91.84	-91.99	-60.26	-48.36	-41.20	-7.16
5200MHz	Pass	30M	1G	PK	800.06M	11.90	-92.50	-87.90	-87.90	-98.69	-67.51	-50.91	-49.20	-1.71
5200MHz	Pass	1G	8G	PK	2.44025G	11.90	-57.16	-81.10	-81.10	-80.07	-45.56	-33.66	-27.00	-6.66
5240MHz	Pass	1G	8G	AV	7.3175G	11.90	-85.47	-80.03	-80.03	-88.34	-64.84	-52.94	-41.20	-11.74
5240MHz	Pass	30M	1G	PK	799.94M	11.90	-103.10	-90.27	-90.27	-99.19	-67.83	-51.23	-49.20	-2.03
5240MHz	Pass	1G	8G	PK	2.43938G	11.90	-82.03	-81.93	-81.93	-80.61	-45.45	-33.55	-27.00	-6.55
5180MHz	Pass	1G	8G	AV	7.3175G	11.90	-85.68	-80.16	-80.16	-88.40	-64.92	-53.02	-41.20	-11.82
5180MHz	Pass	30M	1G	PK	800.06M	11.90	-101.20	-87.44	-87.44	-102.67	-67.39	-50.79	-49.20	-1.59
5180MHz	Pass	1G	8G	PK	2.43938G	11.90	-81.19	-80.78	-80.78	-81.66	-45.33	-33.43	-27.00	-6.43
5200MHz	Pass	1G	8G	AV	5.35225G	11.90	-88.06	-86.20	-86.20	-87.88	-65.45	-53.55	-41.20	-12.35
5200MHz	Pass	30M	1G	PK	498.87M	11.90	-101.16	-66.26	-66.26	-99.69	-66.25	-49.65	-49.20	-0.45
5200MHz	Pass	1G	8G	PK	2.4385G	11.90	-83.34	-82.24	-82.24	-83.94	-45.42	-33.52	-27.00	-6.52
5240MHz	Pass	1G	8G	AV	5.36625G	11.90	-87.82	-85.92	-85.92	-87.86	-65.68	-53.78	-41.20	-12.58
5240MHz	Pass	30M	1G	PK	499.97M	11.90	-100.77	-67.50	-67.50	-101.10	-67.49	-50.89	-49.20	-1.69
5240MHz	Pass	1G	8G	PK	2.43938G	11.90	-83.90	-82.54	-82.54	-82.16	-45.71	-33.81	-27.00	-6.81
5180MHz	Pass	1G	8G	AV	2.281G	11.90	-59.09	-91.80	-91.80	-91.76	-59.06	-47.16	-41.20	-5.96
5180MHz	Pass	30M	1G	PK	800.06M	11.90	-96.36	-87.03	-87.03	-99.85	-68.21	-51.61	-49.20	-2.41
5180MHz	Pass	1G	8G	PK	2.43938G	11.90	-52.93	-78.76	-78.76	-82.83	-44.94	-33.04	-27.00	-6.04
5200MHz	Pass	1G	8G	AV	2.28188G	11.90	-58.83	-91.90	-91.90	-91.90	-58.81	-46.91	-41.20	-5.71
5200MHz	Pass	30M	1G	PK	799.94M	11.90	-97.11	-86.48	-86.48	-100.16	-68.29	-51.69	-49.20	-2.49
5200MHz	Pass	1G	8G	PK	2.4385G	11.90	-52.59	-81.66	-81.66	-82.31	-45.22	-33.32	-27.00	-6.32
5240MHz	Pass	1G	8G	AV	5.36625G	11.90	-78.34	-87.98	-87.98	-87.84	-65.67	-53.77	-41.20	-12.57
5240MHz	Pass	30M	1G	PK	800.06M	11.90	-101.20	-86.60	-86.60	-101.15	-67.84	-51.24	-49.20	-2.04
5240MHz	Pass	1G	8G	PK	2.4385G	11.90	-81.46	-83.24	-83.24	-81.99	-45.50	-33.60	-27.00	-6.60
5180MHz	Pass	1G	8G	AV	5.3575G	11.90	-78.09	-88.03	-88.03	-87.94	-65.59	-53.69	-41.20	-12.49
5180MHz	Pass	30M	1G	PK	800.06M	11.90	-98.28	-85.86	-85.86	-98.54	-67.75	-51.15	-49.20	-1.95
5180MHz	Pass	1G	8G	PK	2.43938G	11.90	-81.67	-81.36	-81.36	-83.27	-44.40	-32.50	-27.00	-5.50
5200MHz	Pass	1G	8G	AV	4.87888G	11.90	-84.89	-61.11	-61.11	-86.67	-61.07	-49.17	-41.20	-7.97
5200MHz	Pass	30M	1G	PK	799.94M	11.90	-99.11	-86.45	-86.45	-99.07	-67.41	-50.81	-49.20	-1.61
5200MHz	Pass	1G	8G	PK	2.44025G	11.90	-82.21	-81.65	-81.65	-81.13	-45.77	-33.87	-27.00	-6.87
5240MHz	Pass	1G	8G	AV	5.35925G	11.90	-88.04	-87.05	-87.05	-87.97	-66.14	-54.24	-41.20	-13.04
5240MHz	Pass	30M	1G	PK	800.06M	11.90	-99.47	-86.14	-86.14	-102.44	-67.87	-51.27	-49.20	-2.07
5240MHz	Pass	1G	8G	PK	2.43938G	11.90	-82.50	-81.87	-81.87	-81.71	-45.51	-33.61	-27.00	-6.61

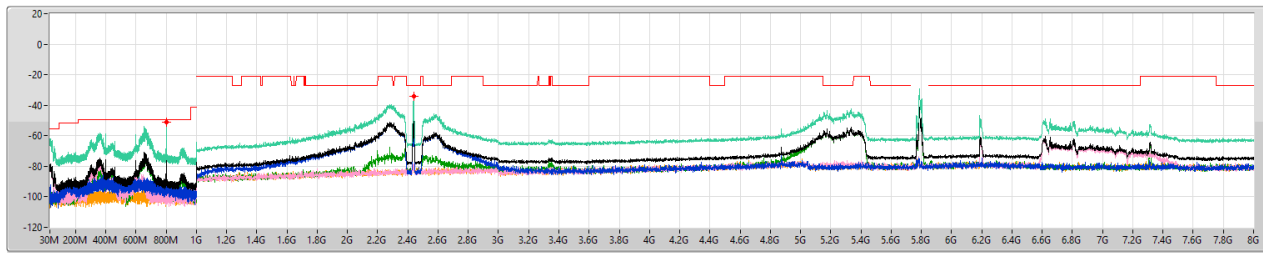
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Mode 1_Co-location

CSE Other [PK]

5180MHz

23/06/2026



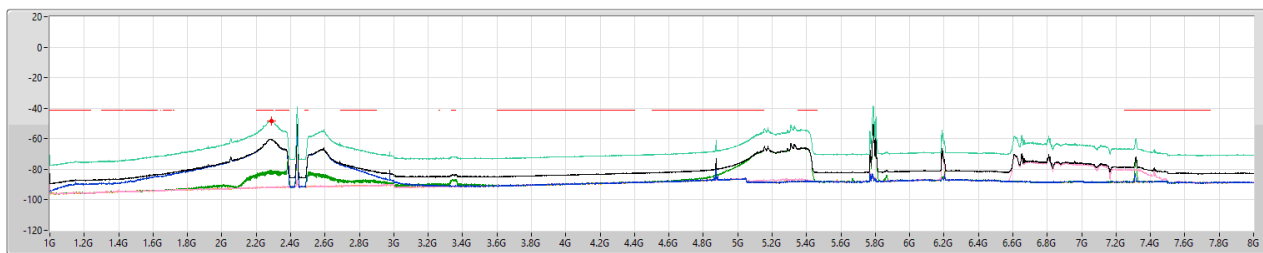
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
30M	1G	100k	PK	799.94M	-50.88	-49.20	-1.68	11.90	4.70	-67.48	-96.27	-87.58	-67.53	-100.25
1G	8G	1M	PK	2.43938G	-34.19	-27.00	-7.19	11.90	0.00	-46.09	-55.39	-78.57	-46.64	-79.33

Mode 1_Co-location

CSE Other [AV]

5180MHz

23/06/2026



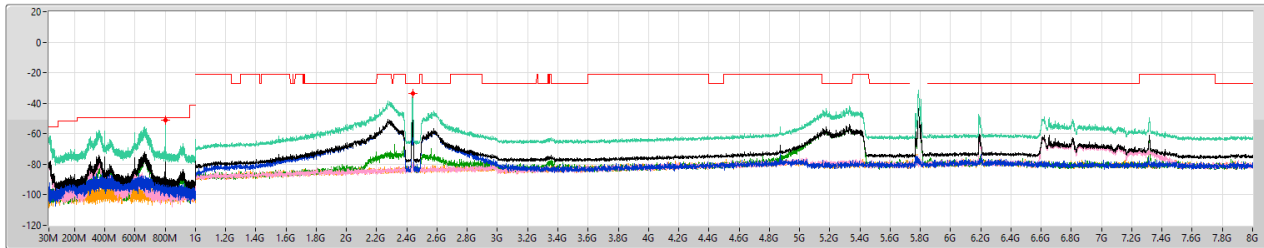
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
1G	8G	1M	AV	2.28625G	-48.22	-41.20	-7.02	11.90	0.00	-60.12	-60.16	-91.78	-80.85	-91.88

Mode 2_Co-location

CSE Other [PK]

5200MHz

23/06/2026



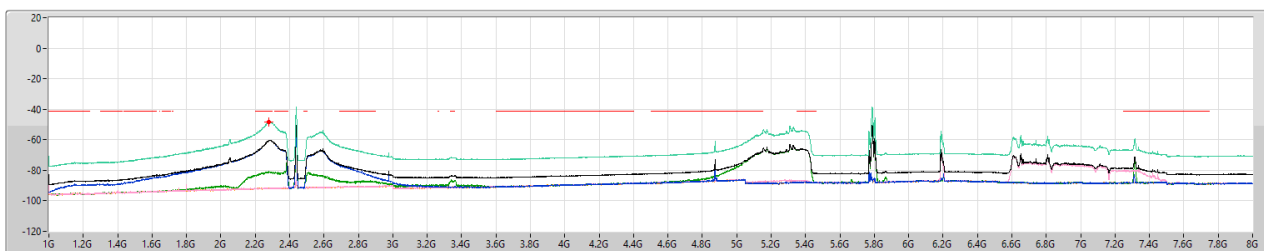
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
30M	1G	100k	PK	800.06M	-50.91	-49.20	-1.71	11.90	4.70	-67.51	-92.50	-87.90	-67.57	-98.69
1G	8G	1M	PK	2.44025G	-33.66	-27.00	-6.66	11.90	0.00	-45.56	-57.16	-81.10	-45.87	-80.07

Mode 2_Co-location

CSE Other [AV]

5200MHz

23/06/2026



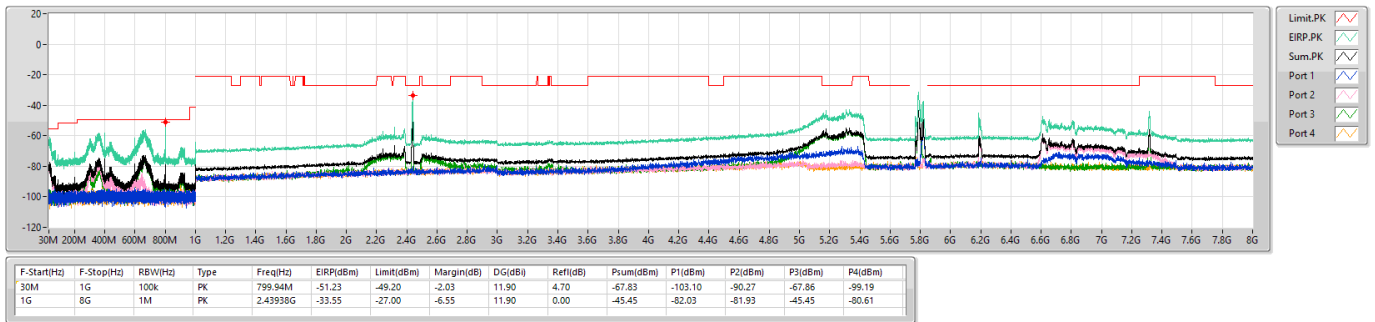
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
1G	8G	1M	AV	2.28013G	-48.36	-41.20	-7.16	11.90	0.00	-60.26	-60.31	-91.84	-80.74	-91.99

Mode 3_Co-location

CSE Other [PK]

5240MHz

23/06/2026

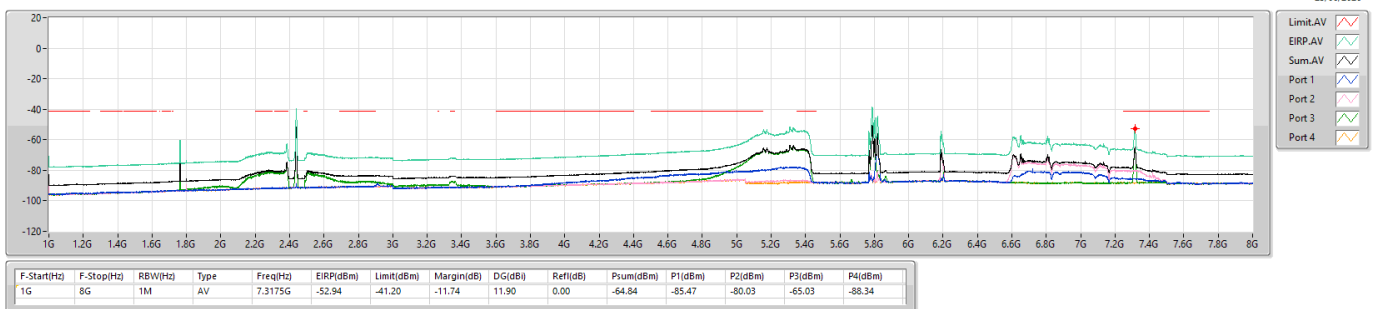


Mode 3_Co-location

CSE Other [AV]

5240MHz

23/06/2026

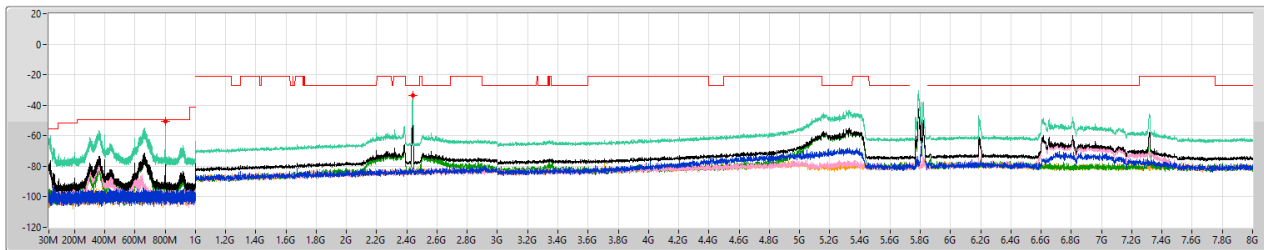


Mode 4_Co-location

CSE Other [PK]

5180MHz

23/06/2026



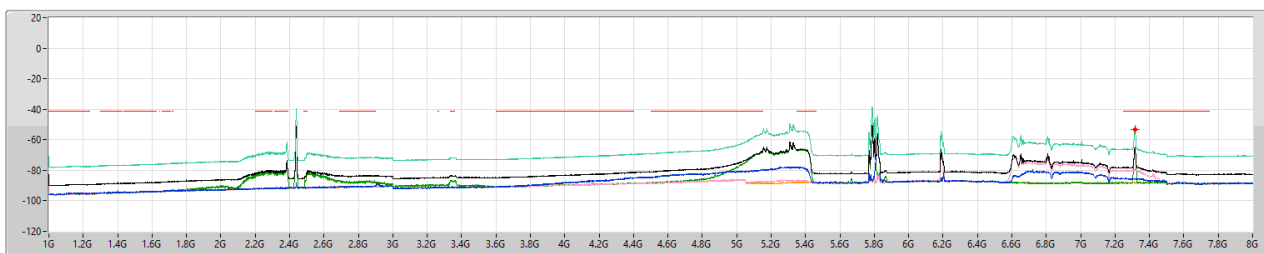
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
30M	1G	100k	PK	800.06M	-50.79	-49.20	-1.59	11.90	4.70	-67.39	-101.20	-87.44	-67.44	-102.67
1G	8G	1M	PK	2.43938G	-33.43	-27.00	-6.43	11.90	0.00	-45.33	-81.19	-80.78	-45.33	-81.66

Mode 4_Co-location

CSE Other [AV]

5180MHz

23/06/2026



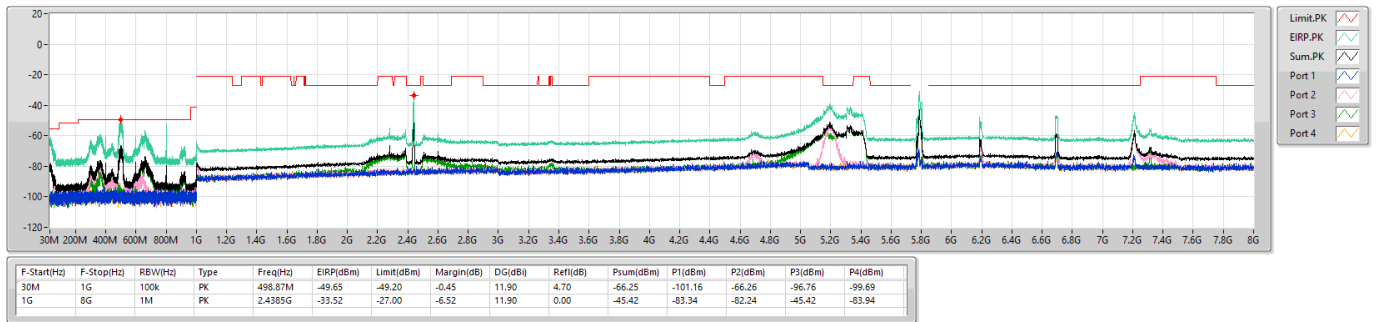
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
1G	8G	1M	AV	7.3175G	-53.02	-41.20	-11.82	11.90	0.00	-64.92	-85.68	-80.16	-65.11	-88.40

Mode 5_Co-location

CSE Other [PK]

5200MHz

23/06/2026

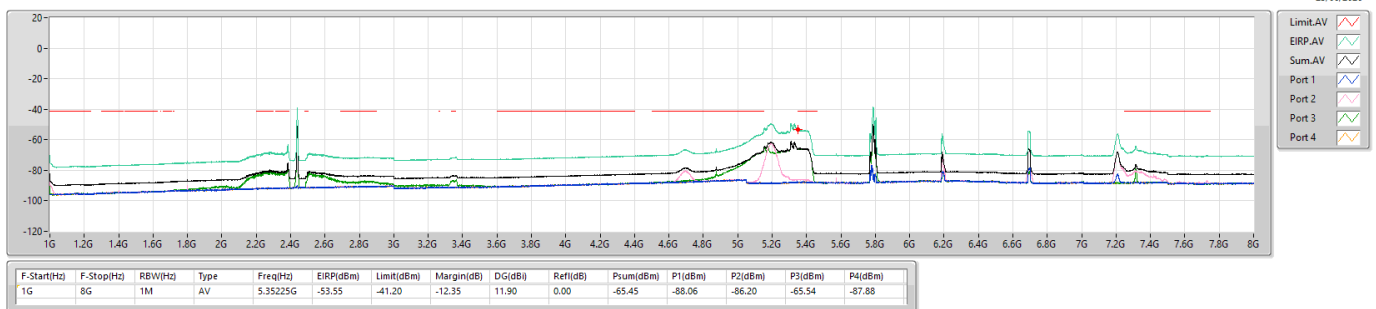


Mode 5_Co-location

CSE Other [AV]

5200MHz

23/06/2026

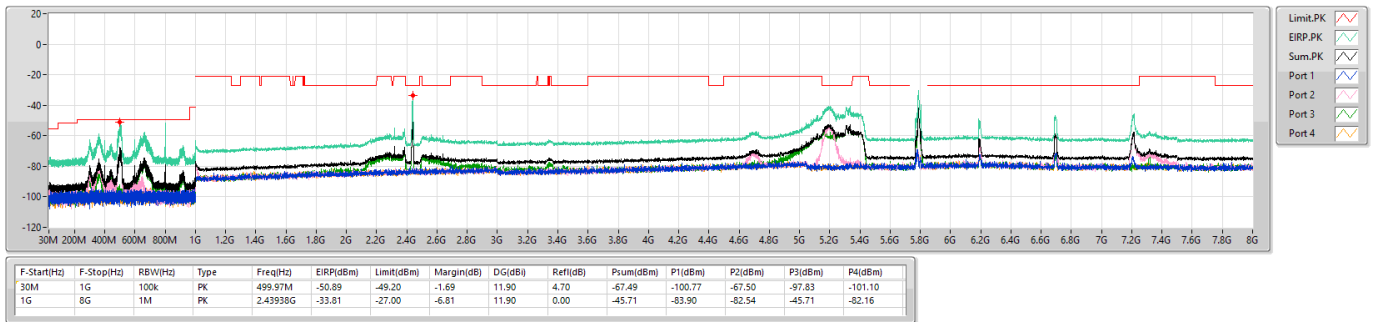


Mode 6_Co-location

CSE Other [PK]

5240MHz

23/06/2026

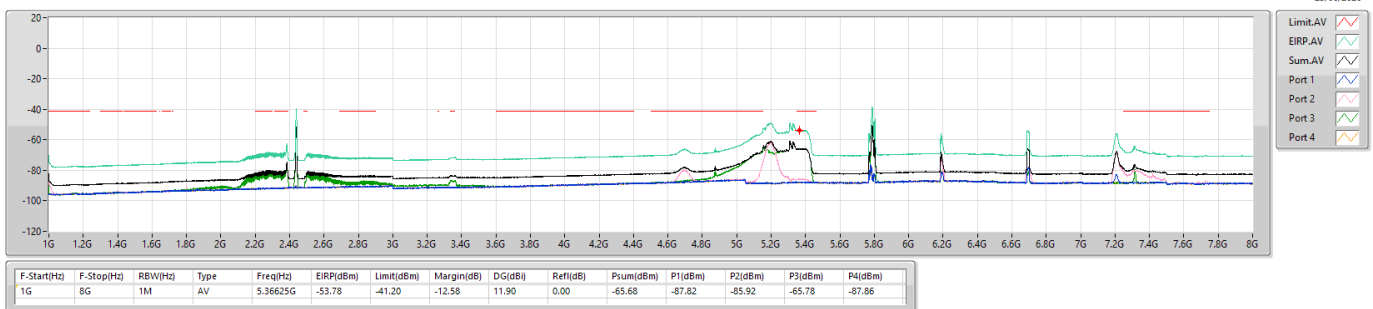


Mode 6_Co-location

CSE Other [AV]

5240MHz

23/06/2026

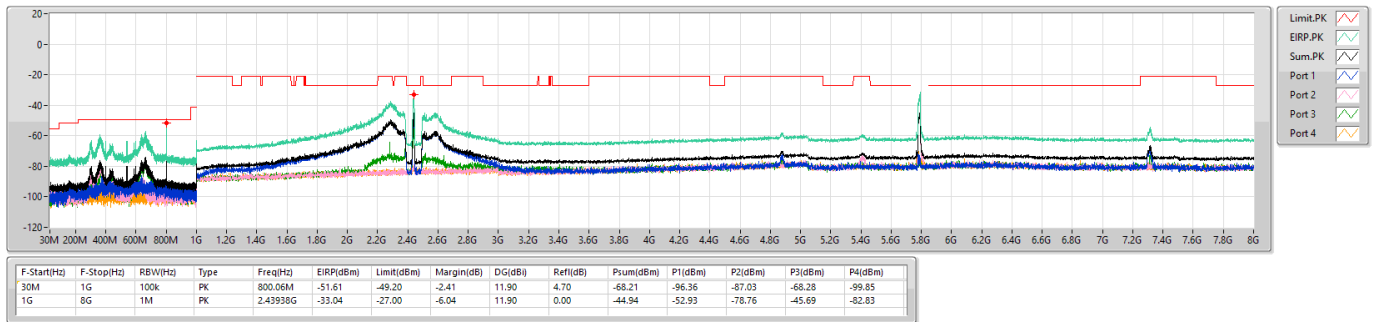


Mode 7_Co-location

CSE Other [PK]

5180MHz

23/06/2026

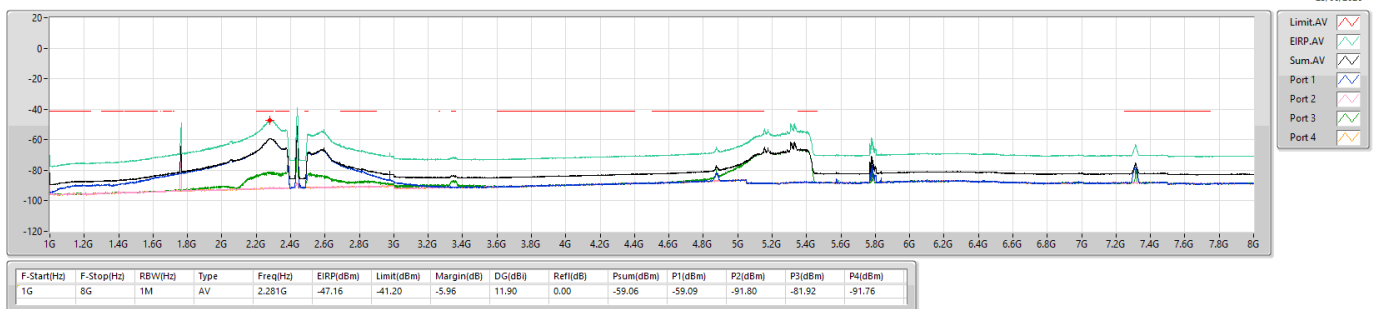


Mode 7_Co-location

CSE Other [AV]

5180MHz

23/06/2026

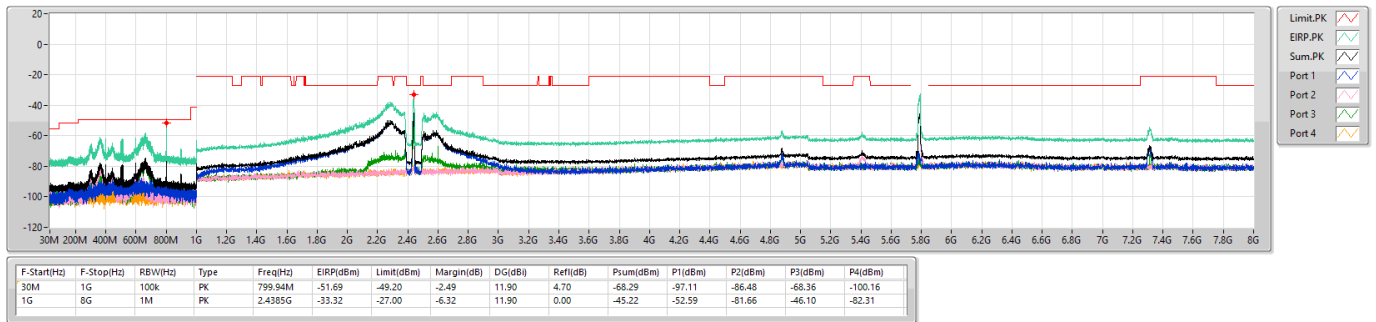


Mode 8_Co-location

CSE Other [PK]

5200MHz

23/06/2026

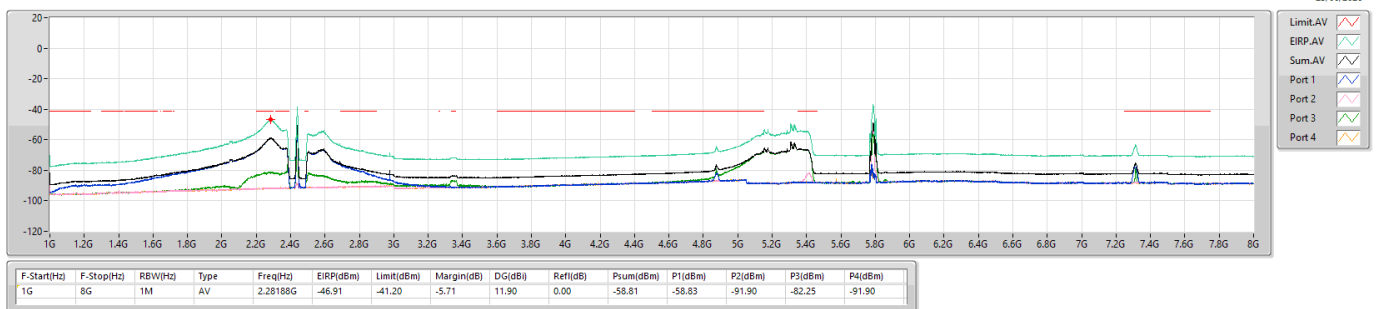


Mode 8_Co-location

CSE Other [AV]

5200MHz

23/06/2026

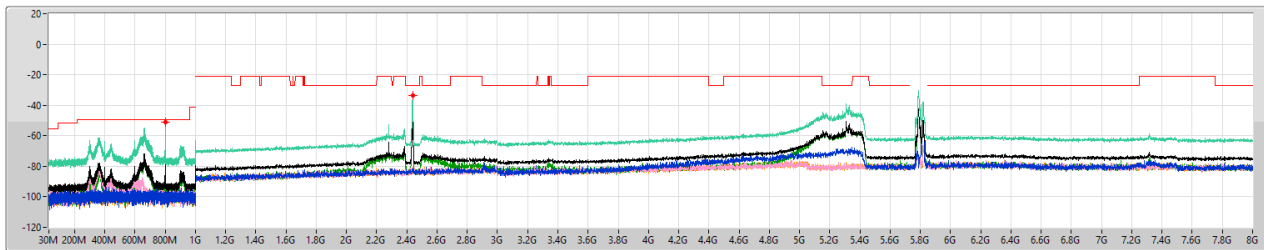


Mode 9_Co-location

CSE Other [PK]

5240MHz

23/06/2026



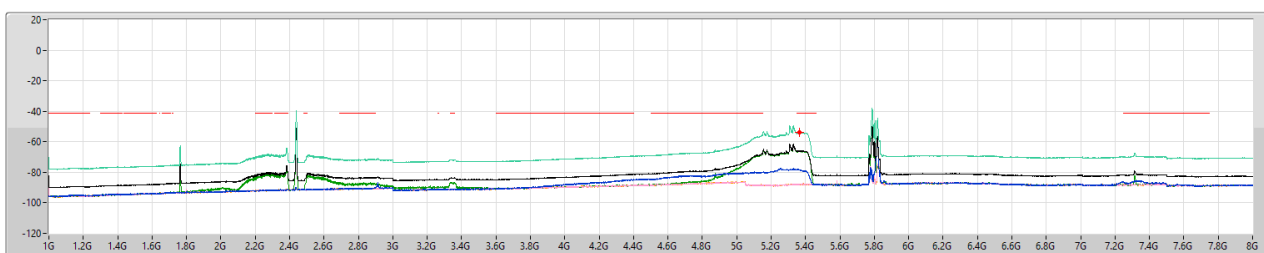
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
30M	1G	100k	PK	800.06M	-51.24	-49.20	-2.04	11.90	4.70	-67.84	-101.20	-86.60	-67.90	-101.15
1G	8G	1M	PK	2.4385G	-33.60	-27.00	-6.60	11.90	0.00	-45.50	-81.46	-83.24	-45.50	-81.99

Mode 9_Co-location

CSE Other [AV]

5240MHz

23/06/2026



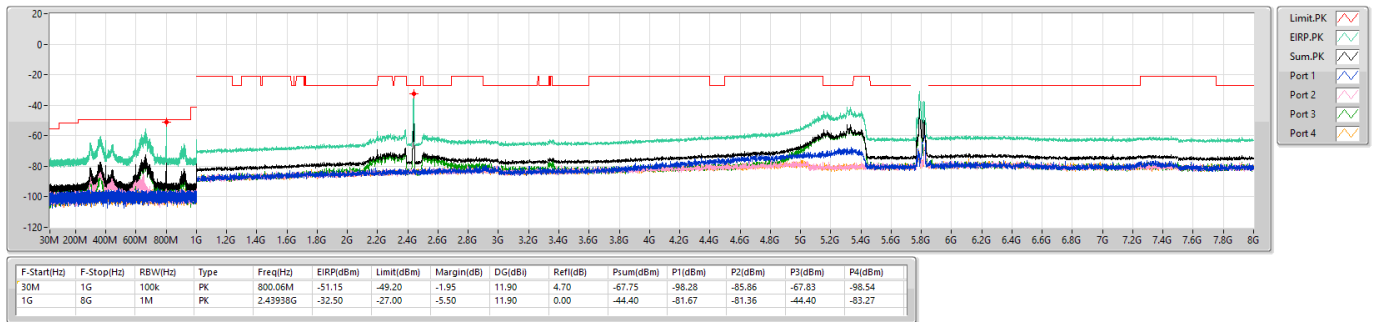
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
1G	8G	1M	AV	5.36625G	-53.77	-41.20	-12.57	11.90	0.00	-65.67	-78.34	-87.98	-65.97	-87.84

Mode 10_Co-location

CSE Other [PK]

5180MHz

23/06/2026

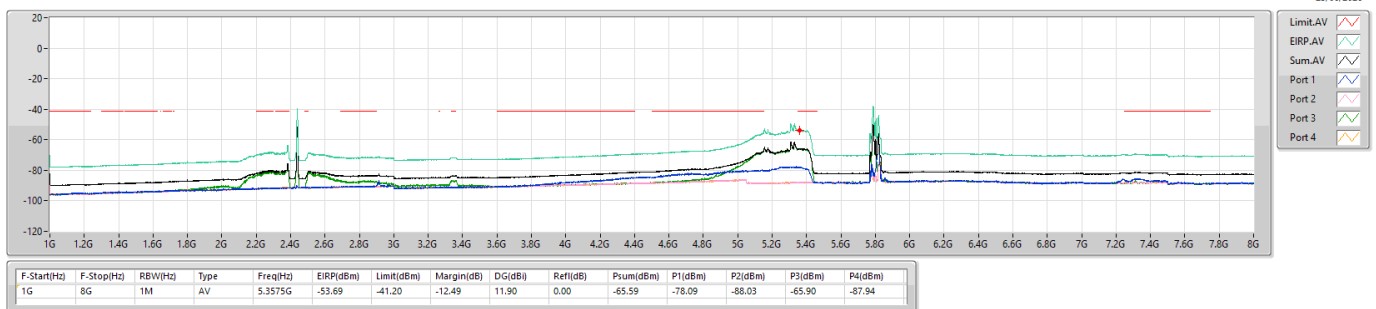


Mode 10_Co-location

CSE Other [AV]

5180MHz

23/06/2026

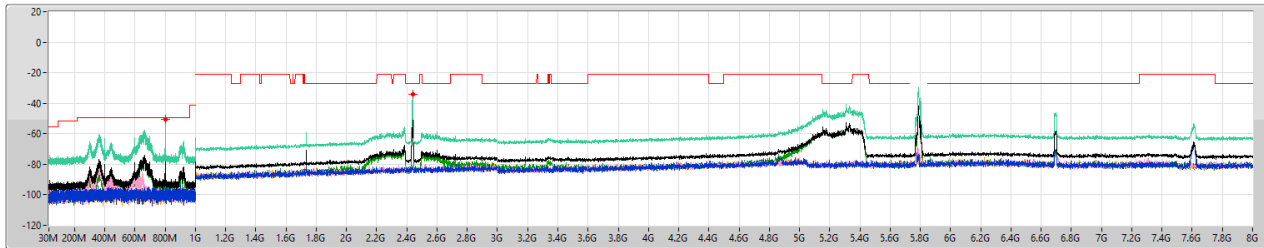


Mode 11_Co-location

CSE Other [PK]

5200MHz

23/06/2026



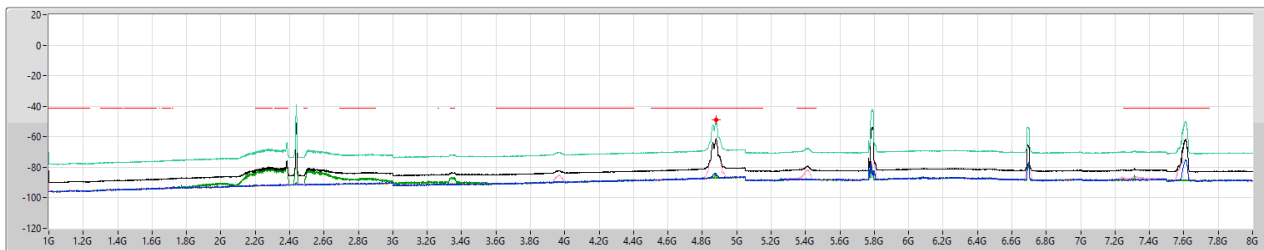
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
30M	1G	100k	PK	799.94M	-50.81	-49.20	-1.61	11.90	4.70	-67.41	-99.11	-86.45	-67.47	-99.07
1G	8G	1M	PK	2.44025G	-33.87	-27.00	-6.87	11.90	0.00	-45.77	-82.21	-81.65	-45.77	-81.13

Mode 11_Co-location

CSE Other [AV]

5200MHz

23/06/2026



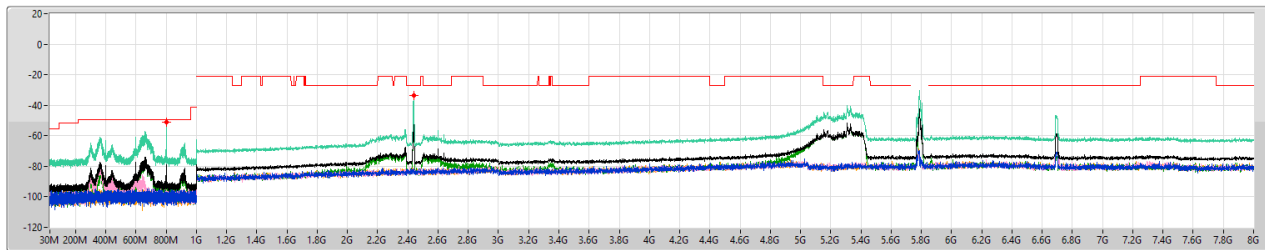
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
1G	8G	1M	AV	4.87888G	-49.17	-41.20	-7.97	11.90	0.00	-61.07	-84.89	-61.11	-86.59	-86.67

Mode 12_Co-location

CSE Other [PK]

5240MHz

23/06/2026



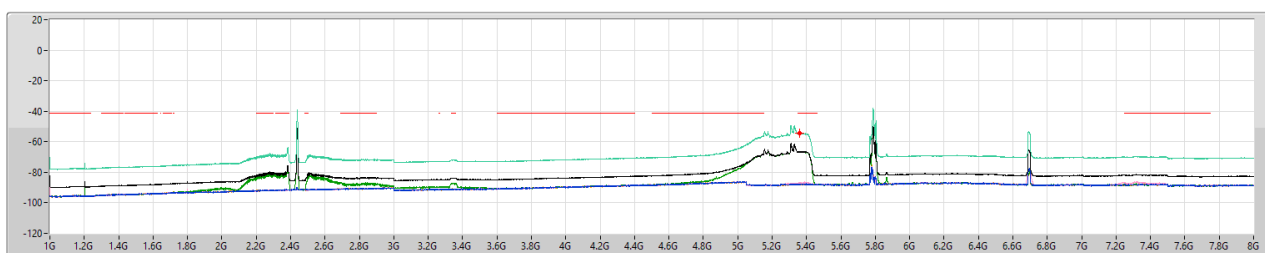
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
30M	1G	100k	PK	800.06M	-51.27	-49.20	-2.07	11.90	4.70	-67.87	-99.47	-86.14	-67.94	-102.44
1G	8G	1M	PK	2.43938G	-33.61	-27.00	-6.61	11.90	0.00	-45.51	-82.50	-81.87	-45.51	-81.71

Mode 12_Co-location

CSE Other [AV]

5240MHz

23/06/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
1G	8G	1M	AV	5.35925G	-54.24	-41.20	-13.04	11.90	0.00	-66.14	-88.04	-87.05	-66.23	-87.97

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	EIRP (dBm)	Psum (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P1 (dBm)	Limit (dBm)	Margin (dB)	DG (dBi)
Mode 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.44	-74.34	-79.92	-80.75	-80.75	-80.07	-41.20	-21.24	11.90
Mode 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.43	-74.33	-80.77	-80.96	-79.27	-80.63	-41.20	-21.23	11.90
Mode 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.34	-74.24	-80.49	-79.55	-80.98	-80.13	-41.20	-21.14	11.90
Mode 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.42	-74.32	-80.35	-79.90	-80.54	-80.60	-41.20	-21.22	11.90
Mode 5	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.38	-74.28	-80.78	-80.22	-79.92	-80.34	-41.20	-21.18	11.90
Mode 6	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-61.79	-73.69	-78.89	-80.50	-79.23	-80.47	-41.20	-20.59	11.90
Mode 7	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.41	-74.31	-80.41	-80.64	-80.13	-80.18	-41.20	-21.21	11.90
Mode 8	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.08	-73.98	-80.38	-80.35	-80.00	-79.34	-41.20	-20.88	11.90
Mode 9	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.40	-74.30	-80.42	-80.82	-80.09	-80.00	-41.20	-21.20	11.90
Mode 10	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.50	-74.40	-80.38	-80.73	-80.69	-79.92	-41.20	-21.30	11.90
Mode 11	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.42	-74.32	-80.10	-80.29	-80.67	-80.33	-41.20	-21.22	11.90
Mode 12	-	-	-	-	-	-	-	-	-	-	-	-	-
Co-location	Pass	8G	40G	AV	-62.29	-74.19	-80.91	-79.46	-80.78	-79.87	-41.20	-21.09	11.90

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



Conducted Emission Co-location_8~40GHz

Appendix G.2

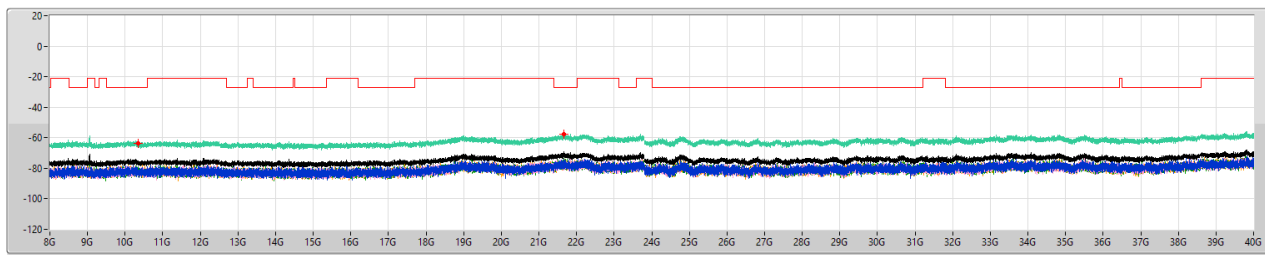
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P2 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Co-location	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	40G	AV	10.6G	11.90	-87.59	-86.70	-86.70	-86.58	-80.97	-69.07	-41.20	-27.87
5180MHz	Pass	8G	40G	AV	39.776G	11.90	-80.07	-79.92	-79.92	-80.75	-74.34	-62.44	-41.20	-21.24
5180MHz	Pass	8G	40G	PK	10.344G	11.90	-83.60	-81.13	-81.13	-81.00	-75.79	-63.89	-27.00	-36.89
5180MHz	Pass	8G	40G	PK	21.656G	11.90	-74.06	-78.61	-78.61	-76.24	-69.39	-57.49	-27.00	-30.49
5200MHz	Pass	8G	40G	AV	10.6G	11.90	-87.17	-86.92	-86.92	-86.46	-81.03	-69.13	-41.20	-27.93
5200MHz	Pass	8G	40G	AV	39.756G	11.90	-80.63	-80.77	-80.77	-79.27	-74.33	-62.43	-41.20	-21.23
5200MHz	Pass	8G	40G	PK	10.399G	11.90	-80.29	-81.04	-81.04	-82.96	-75.21	-63.31	-27.00	-36.31
5200MHz	Pass	8G	40G	PK	35.496G	11.90	-72.43	-77.64	-77.64	-76.47	-69.47	-57.57	-27.00	-30.57
5240MHz	Pass	8G	40G	AV	10.6G	11.90	-87.98	-87.10	-87.10	-86.51	-81.20	-69.30	-41.20	-28.10
5240MHz	Pass	8G	40G	AV	39.995G	11.90	-80.13	-80.49	-80.49	-80.98	-74.24	-62.34	-41.20	-21.14
5240MHz	Pass	8G	40G	PK	10.465G	11.90	-80.13	-80.82	-80.82	-83.68	-75.30	-63.40	-27.00	-36.40
5240MHz	Pass	8G	40G	PK	33.594G	11.90	-76.43	-77.43	-77.43	-73.37	-69.51	-57.61	-27.00	-30.61
5180MHz	Pass	8G	40G	AV	10.6G	11.90	-87.90	-87.36	-87.36	-87.05	-81.54	-69.64	-41.20	-28.44
5180MHz	Pass	8G	40G	AV	40G	11.90	-80.60	-80.35	-80.35	-80.54	-74.32	-62.42	-41.20	-21.22
5180MHz	Pass	8G	40G	PK	10.363G	11.90	-78.54	-82.36	-82.36	-83.55	-74.93	-63.03	-27.00	-36.03
5180MHz	Pass	8G	40G	PK	21.651G	11.90	-75.69	-75.58	-75.58	-77.46	-69.62	-57.72	-27.00	-30.72
5200MHz	Pass	8G	40G	AV	10.6G	11.90	-87.36	-87.54	-87.54	-87.57	-81.24	-69.34	-41.20	-28.14
5200MHz	Pass	8G	40G	AV	39.798G	11.90	-80.34	-80.78	-80.78	-79.92	-74.28	-62.38	-41.20	-21.18
5200MHz	Pass	8G	40G	PK	10.385G	11.90	-83.95	-81.95	-81.95	-80.03	-75.56	-63.66	-27.00	-36.66
5200MHz	Pass	8G	40G	PK	21.646G	11.90	-75.50	-75.00	-75.00	-77.66	-69.40	-57.50	-27.00	-30.50
5240MHz	Pass	8G	40G	AV	10.6G	11.90	-86.63	-86.85	-86.85	-86.90	-80.94	-69.04	-41.20	-27.84
5240MHz	Pass	8G	40G	AV	39.996G	11.90	-80.47	-78.89	-78.89	-79.23	-73.69	-61.79	-41.20	-20.59
5240MHz	Pass	8G	40G	PK	10.473G	11.90	-80.42	-81.11	-81.11	-80.99	-75.24	-63.34	-27.00	-36.34
5240MHz	Pass	8G	40G	PK	21.699G	11.90	-77.04	-74.23	-74.23	-76.42	-69.79	-57.89	-27.00	-30.89
5180MHz	Pass	8G	40G	AV	10.6G	11.90	-87.28	-87.23	-87.23	-87.73	-81.12	-69.22	-41.20	-28.02
5180MHz	Pass	8G	40G	AV	39.763G	11.90	-80.18	-80.41	-80.41	-80.13	-74.31	-62.41	-41.20	-21.21
5180MHz	Pass	8G	40G	PK	10.36G	11.90	-81.58	-80.15	-80.15	-80.71	-75.16	-63.26	-27.00	-36.26
5180MHz	Pass	8G	40G	PK	33.614G	11.90	-76.27	-75.24	-75.24	-75.68	-69.91	-58.01	-27.00	-31.01
5200MHz	Pass	8G	40G	AV	10.6G	11.90	-88.04	-87.62	-87.62	-87.79	-81.52	-69.62	-41.20	-28.42
5200MHz	Pass	8G	40G	AV	39.992G	11.90	-79.34	-80.38	-80.38	-80.00	-73.98	-62.08	-41.20	-20.88
5200MHz	Pass	8G	40G	PK	10.386G	11.90	-78.73	-85.57	-85.57	-84.12	-75.85	-63.95	-27.00	-36.95
5200MHz	Pass	8G	40G	PK	21.556G	11.90	-75.43	-77.72	-77.72	-75.35	-69.56	-57.66	-27.00	-30.66
5240MHz	Pass	8G	40G	AV	10.6G	11.90	-87.38	-87.20	-87.20	-87.41	-81.32	-69.42	-41.20	-28.22
5240MHz	Pass	8G	40G	AV	40G	11.90	-80.00	-80.42	-80.42	-80.09	-74.30	-62.40	-41.20	-21.20
5240MHz	Pass	8G	40G	PK	10.465G	11.90	-82.62	-80.22	-80.22	-79.72	-74.87	-62.97	-27.00	-35.97
5240MHz	Pass	8G	40G	PK	38.591G	11.90	-74.58	-75.58	-75.58	-76.44	-69.78	-57.88	-27.00	-30.88
5180MHz	Pass	8G	40G	AV	10.6G	11.90	-87.28	-87.05	-87.05	-87.20	-81.12	-69.22	-41.20	-28.02
5180MHz	Pass	8G	40G	AV	39.794G	11.90	-79.92	-80.38	-80.38	-80.69	-74.40	-62.50	-41.20	-21.30
5180MHz	Pass	8G	40G	PK	10.376G	11.90	-79.79	-80.55	-80.55	-82.45	-74.74	-62.84	-27.00	-35.84
5180MHz	Pass	8G	40G	PK	38.593G	11.90	-72.89	-74.52	-74.52	-76.01	-68.64	-56.74	-27.00	-29.74
5200MHz	Pass	8G	40G	AV	10.6G	11.90	-86.90	-88.24	-88.24	-87.68	-81.56	-69.66	-41.20	-28.46
5200MHz	Pass	8G	40G	AV	39.759G	11.90	-80.33	-80.10	-80.10	-80.67	-74.32	-62.42	-41.20	-21.22
5200MHz	Pass	8G	40G	PK	10.386G	11.90	-81.85	-81.95	-81.95	-79.65	-75.41	-63.51	-27.00	-36.51
5200MHz	Pass	8G	40G	PK	21.746G	11.90	-76.12	-76.32	-76.32	-75.53	-69.19	-57.29	-27.00	-30.29
5240MHz	Pass	8G	40G	AV	10.6G	11.90	-87.79	-87.76	-87.76	-87.79	-81.71	-69.81	-41.20	-28.61
5240MHz	Pass	8G	40G	AV	39.998G	11.90	-79.87	-80.91	-80.91	-80.78	-74.19	-62.29	-41.20	-21.09
5240MHz	Pass	8G	40G	PK	10.494G	11.90	-81.20	-82.94	-82.94	-81.16	-75.41	-63.51	-27.00	-36.51
5240MHz	Pass	8G	40G	PK	38.591G	11.90	-75.84	-75.03	-75.03	-75.10	-69.84	-57.94	-27.00	-30.94

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

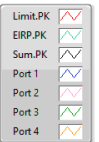
Mode 1_Co-location

5180MHz



CSE [PK]

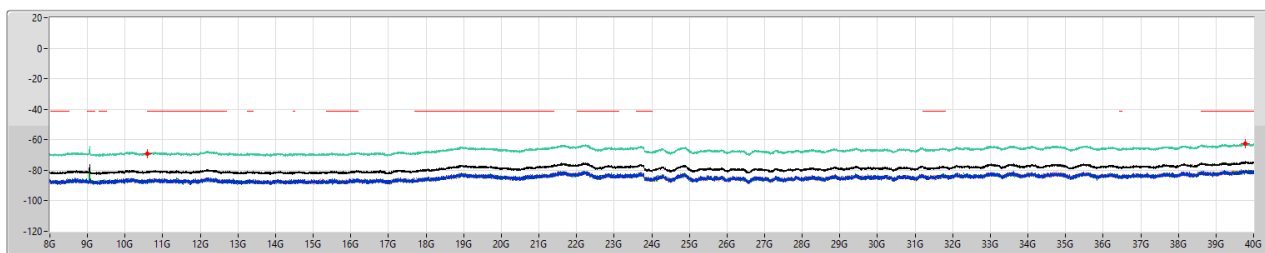
23/06/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.344G	-63.89	-27.00	-36.89	11.90	0.00	-75.79	-83.60	-81.13	-81.96	-81.00
8G	40G	1M	PK	21.656G	-57.49	-27.00	-30.49	11.90	0.00	-69.39	-74.06	-78.61	-74.18	-76.24

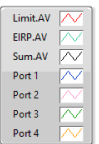
Mode 1_Co-location

5180MHz



CSE [AV]

23/06/2026



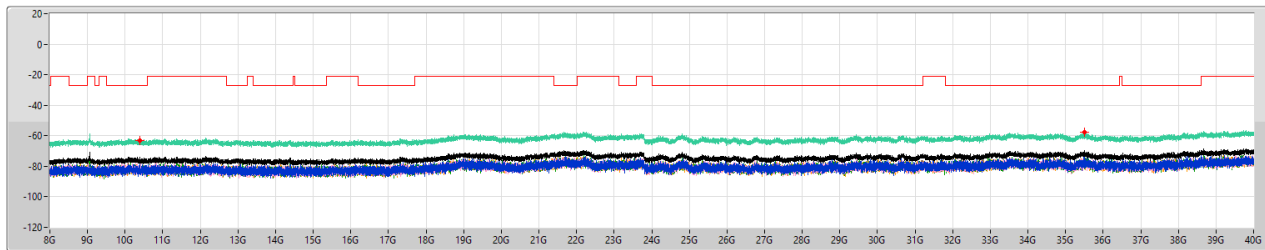
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8G	40G	1M	AV	10.6G	-69.07	-41.20	-27.87	11.90	0.00	-80.97	-87.59	-86.70	-87.15	-86.58
8G	40G	1M	AV	39.776G	-62.44	-41.20	-21.24	11.90	0.00	-74.34	-80.07	-79.92	-80.75	-80.75

Mode 2_Co-location

CSE [PK]

5200MHz

23/06/2026



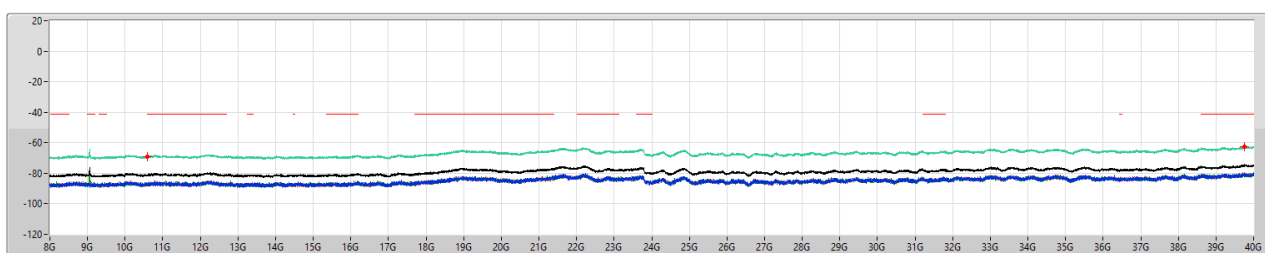
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.399G	-63.31	-27.00	-36.31	11.90	0.00	-75.21	-80.29	-81.04	-81.06	-82.96
8G	40G	1M	PK	35.496G	-57.57	-27.00	-30.57	11.90	0.00	-69.47	-72.43	-77.64	-77.96	-76.47

Mode 2_Co-location

CSE [AV]

5200MHz

23/06/2026



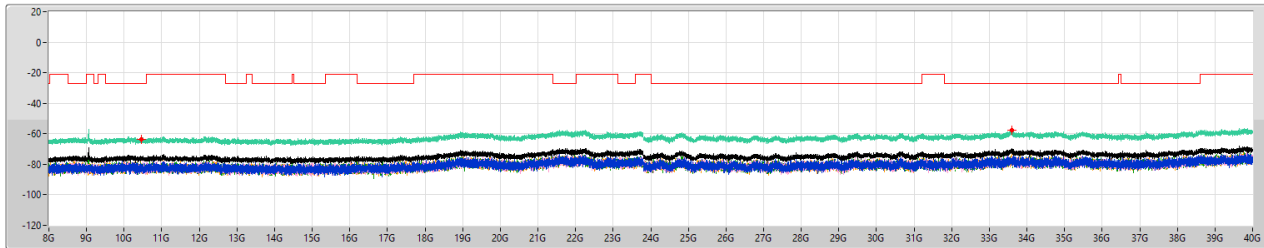
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8G	40G	1M	AV	10.6G	-69.13	-41.20	-27.93	11.90	0.00	-81.03	-87.17	-86.92	-87.76	-86.46
8G	40G	1M	AV	39.756G	-62.43	-41.20	-21.23	11.90	0.00	-74.33	-80.63	-80.77	-80.96	-79.27

Mode 3_Co-location

CSE [PK]

5240MHz

23/06/2026



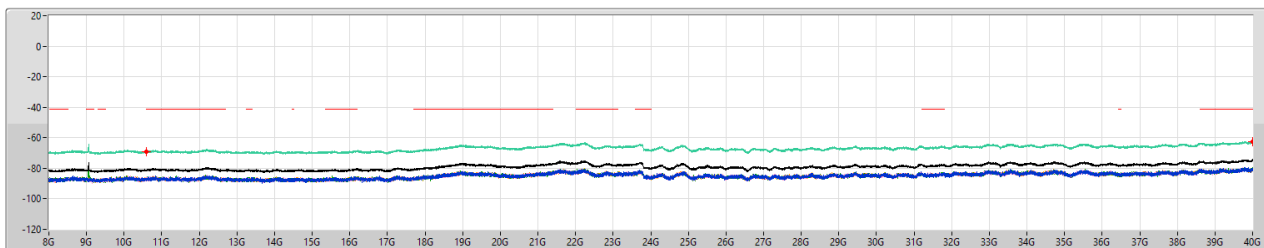
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8G	40G	1M	PK	10.465G	-63.40	-27.00	-36.40	11.90	0.00	-75.30	-80.13	-80.82	-81.41	-83.68
8G	40G	1M	PK	33.594G	-57.61	-27.00	-30.61	11.90	0.00	-69.51	-76.43	-77.43	-76.01	-73.37

Mode 3_Co-location

CSE [AV]

5240MHz

23/06/2026



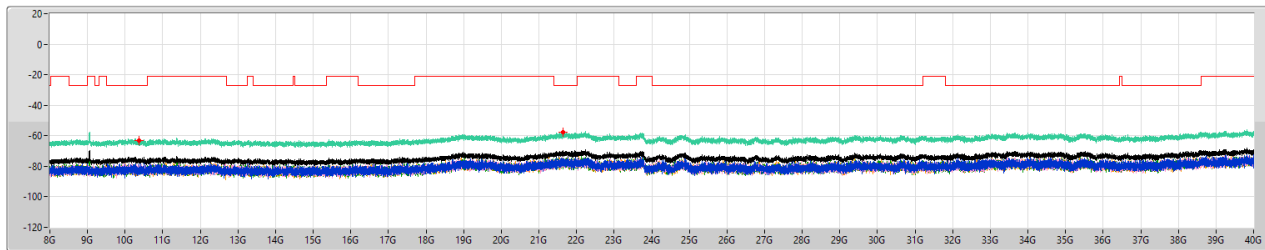
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8G	40G	1M	AV	10.6G	-69.30	-41.20	-28.10	11.90	0.00	-81.20	-87.98	-87.10	-87.41	-86.51
8G	40G	1M	AV	39.995G	-62.34	-41.20	-21.14	11.90	0.00	-74.24	-80.13	-80.49	-79.55	-80.98

Mode 4_Co-location

CSE [PK]

5180MHz

23/06/2026



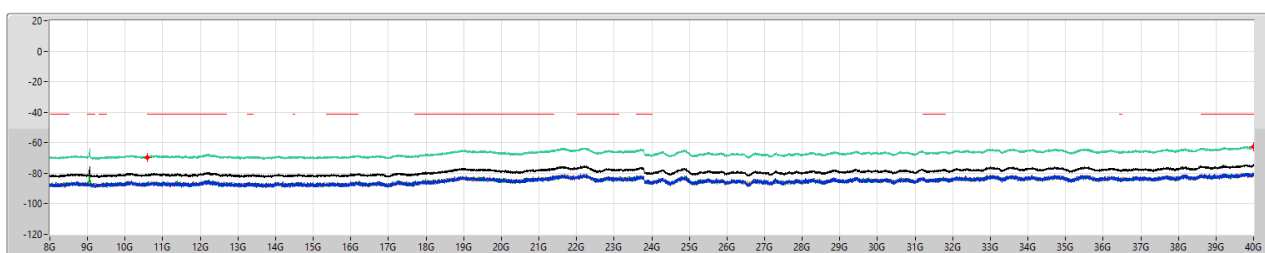
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8G	40G	1M	PK	10.363G	-63.03	-27.00	-36.03	11.90	0.00	-74.93	-78.54	-82.36	-81.01	-83.55
8G	40G	1M	PK	21.651G	-57.72	-27.00	-30.72	11.90	0.00	-69.62	-75.69	-75.58	-74.38	-77.46

Mode 4_Co-location

CSE [AV]

5180MHz

23/06/2026



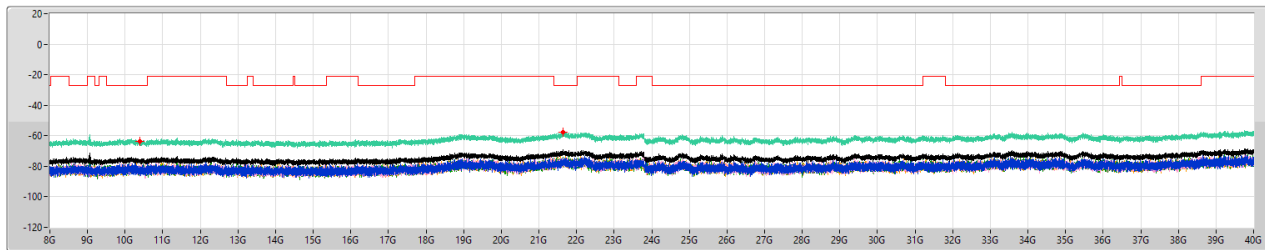
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8G	40G	1M	AV	10.6G	-69.64	-41.20	-28.44	11.90	0.00	-81.54	-87.90	-87.36	-88.01	-87.05
8G	40G	1M	AV	40G	-62.42	-41.20	-21.22	11.90	0.00	-74.32	-80.60	-80.35	-79.90	-80.54

Mode 5_Co-location

CSE [PK]

5200MHz

23/06/2026



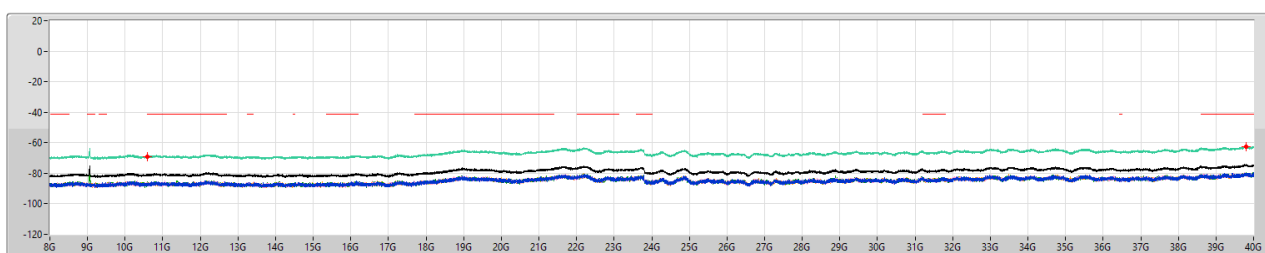
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8G	40G	1M	PK	10.385G	-63.66	-27.00	-36.66	11.90	0.00	-75.56	-83.95	-81.95	-81.29	-80.03
8G	40G	1M	PK	21.646G	-57.50	-27.00	-30.50	11.90	0.00	-69.40	-75.50	-75.00	-74.22	-77.66

Mode 5_Co-location

CSE [AV]

5200MHz

23/06/2026



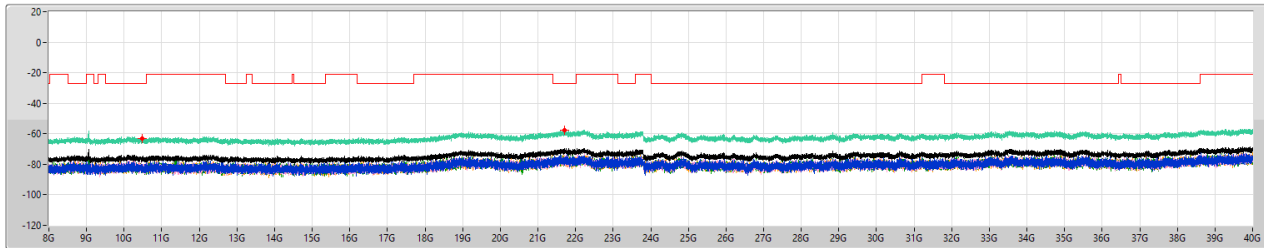
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	AV	10.6G	-69.34	-41.20	-28.14	11.90	0.00	-81.24	-87.36	-87.54	-86.65	-87.57
8G	40G	1M	AV	39.798G	-62.38	-41.20	-21.18	11.90	0.00	-74.28	-80.34	-80.78	-80.22	-79.92

Mode 6_Co-location

CSE [PK]

5240MHz

23/06/2026



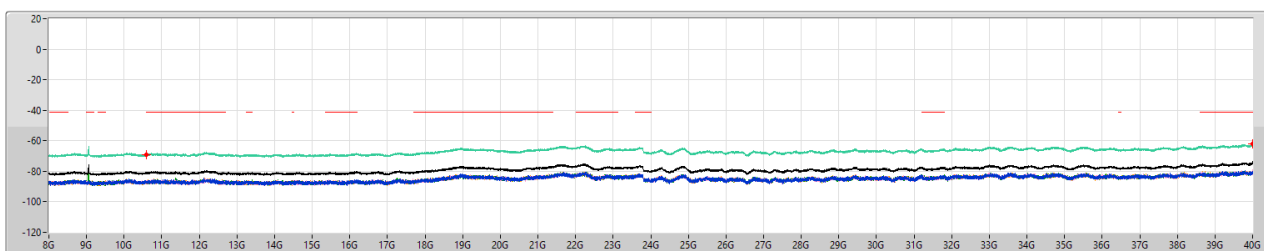
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.473G	-63.34	-27.00	-36.34	11.90	0.00	-75.24	-80.42	-81.11	-82.88	-80.99
8G	40G	1M	PK	21.699G	-57.89	-27.00	-30.89	11.90	0.00	-69.79	-77.04	-74.23	-76.08	-76.42

Mode 6_Co-location

CSE [AV]

5240MHz

23/06/2026



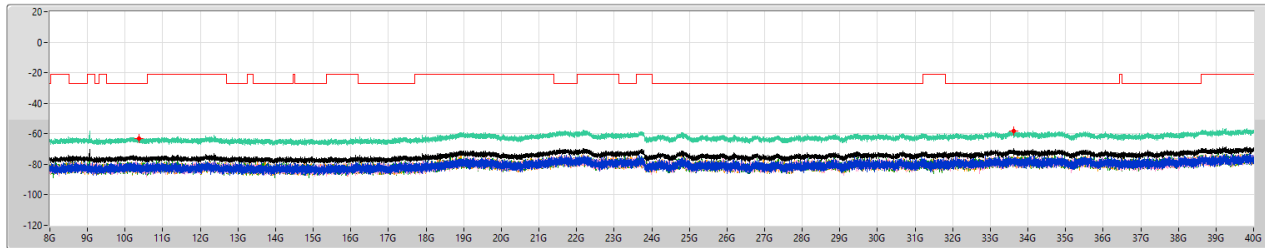
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	AV	10.6G	-69.04	-41.20	-27.84	11.90	0.00	-80.94	-86.63	-86.85	-87.49	-86.90
8G	40G	1M	AV	39.996G	-61.79	-41.20	-20.59	11.90	0.00	-73.69	-80.47	-78.89	-80.50	-79.23

Mode 7_Co-location

CSE [PK]

5180MHz

23/06/2026



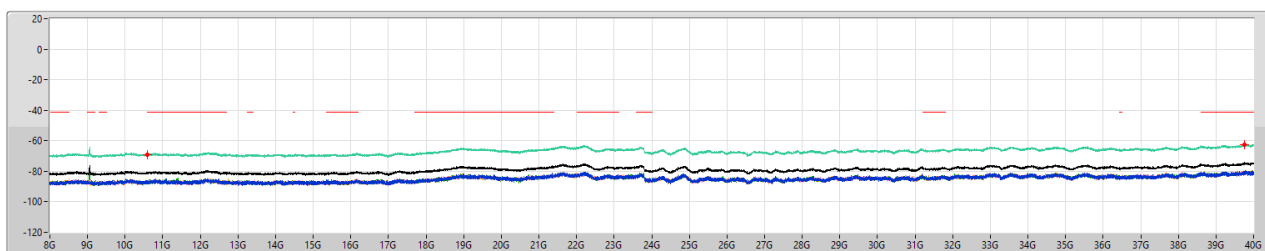
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.36G	-63.26	-27.00	-36.26	11.90	0.00	-75.16	-81.58	-80.15	-82.71	-80.71
8G	40G	1M	PK	33.614G	-58.01	-27.00	-31.01	11.90	0.00	-69.91	-76.27	-75.24	-76.68	-75.68

Mode 7_Co-location

CSE [AV]

5180MHz

23/06/2026



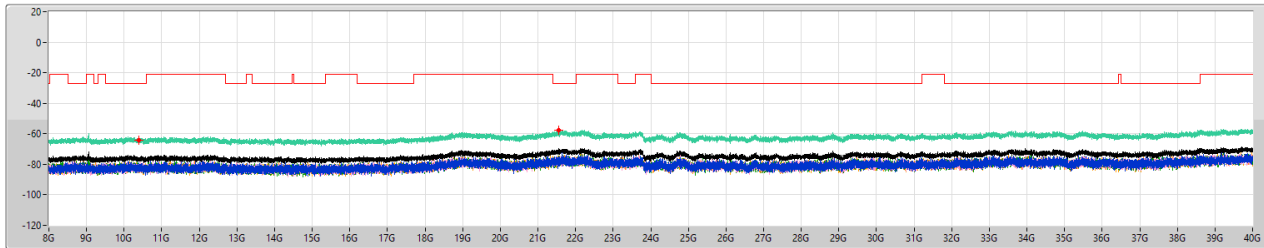
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	AV	10.6G	-69.22	-41.20	-28.02	11.90	0.00	-81.12	-87.28	-87.23	-86.43	-87.73
8G	40G	1M	AV	39.763G	-62.41	-41.20	-21.21	11.90	0.00	-74.31	-80.18	-80.41	-80.64	-80.13

Mode 8_Co-location

CSE [PK]

5200MHz

23/06/2026



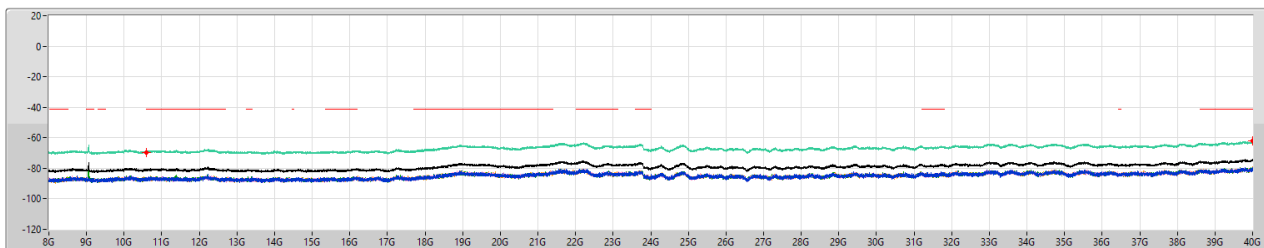
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.386G	-63.95	-27.00	-36.95	11.90	0.00	-75.85	-78.73	-85.57	-82.25	-84.12
8G	40G	1M	PK	21.556G	-57.66	-27.00	-30.66	11.90	0.00	-69.56	-75.43	-77.72	-74.45	-75.35

Mode 8_Co-location

CSE [AV]

5200MHz

23/06/2026



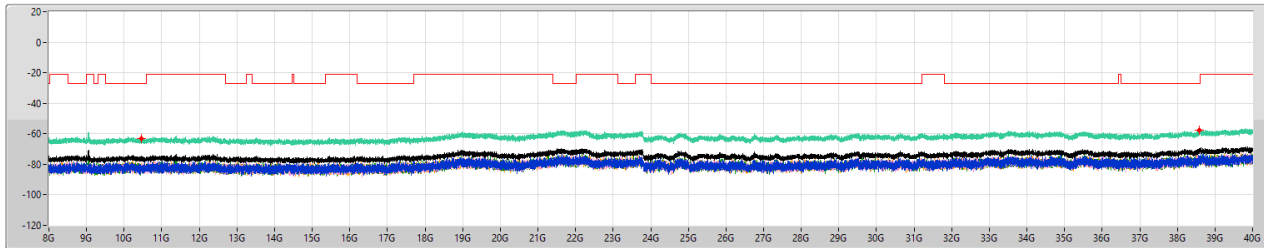
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8G	40G	1M	AV	10.6G	-69.62	-41.20	-28.42	11.90	0.00	-81.52	-88.04	-87.62	-86.80	-87.79
8G	40G	1M	AV	39.992G	-62.08	-41.20	-20.88	11.90	0.00	-73.98	-79.34	-80.38	-80.35	-80.00

Mode 9_Co-location

CSE [PK]

5240MHz

23/06/2026



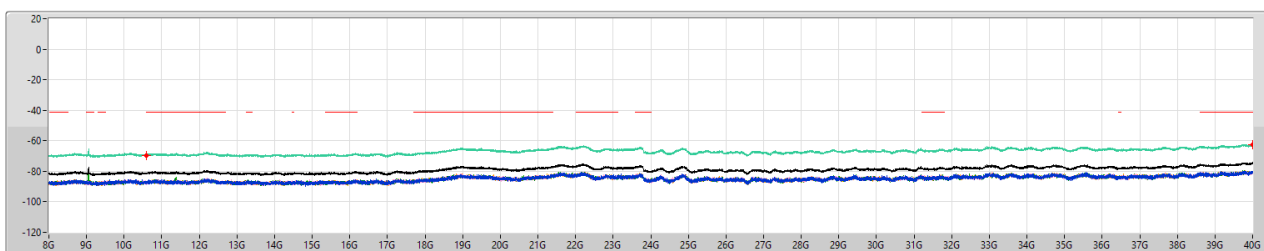
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.465G	-62.97	-27.00	-35.97	11.90	0.00	-74.87	-82.62	-80.22	-81.60	-79.72
8G	40G	1M	PK	38.591G	-57.88	-27.00	-30.88	11.90	0.00	-69.78	-74.58	-75.58	-77.01	-76.44

Mode 9_Co-location

CSE [AV]

5240MHz

23/06/2026



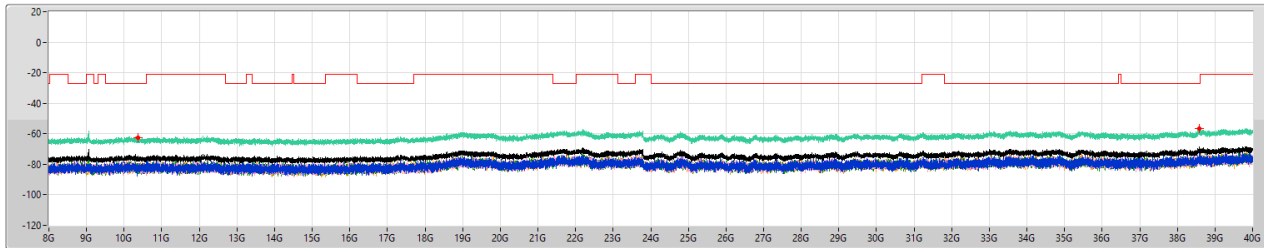
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	AV	10.6G	-69.42	-41.20	-28.22	11.90	0.00	-81.32	-87.38	-87.20	-87.38	-87.41
8G	40G	1M	AV	40G	-62.40	-41.20	-21.20	11.90	0.00	-74.30	-80.00	-80.42	-80.82	-80.09

Mode 10_Co-location

CSE [PK]

5180MHz

23/06/2026



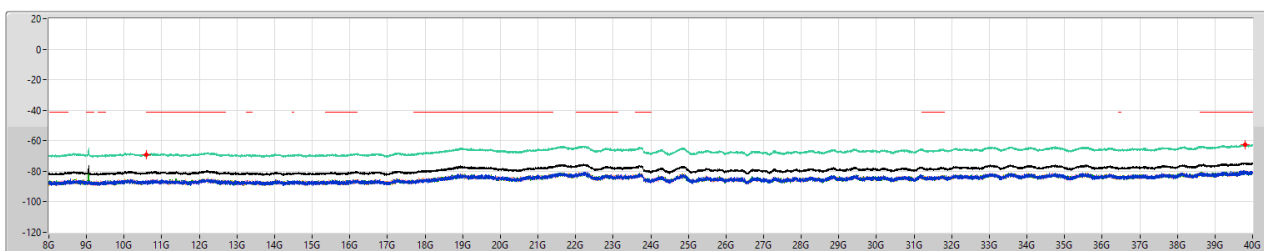
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8G	40G	1M	PK	10.376G	-62.84	-27.00	-35.84	11.90	0.00	-74.74	-79.79	-80.55	-80.67	-82.45
8G	40G	1M	PK	38.593G	-56.74	-27.00	-29.74	11.90	0.00	-68.64	-72.89	-74.52	-76.01	-76.01

Mode 10_Co-location

CSE [AV]

5180MHz

23/06/2026



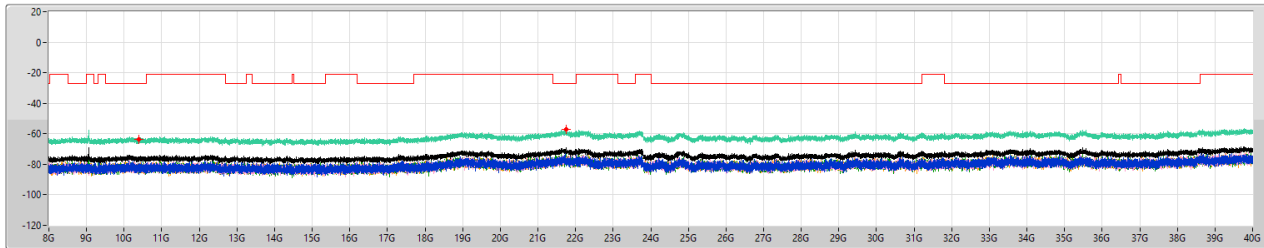
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	AV	10.6G	-69.22	-41.20	-28.02	11.90	0.00	-81.12	-87.28	-87.05	-87.05	-87.20
8G	40G	1M	AV	39.794G	-62.50	-41.20	-21.30	11.90	0.00	-74.40	-79.92	-80.38	-80.73	-80.69

Mode 11_Co-location

CSE [PK]

5200MHz

23/06/2026



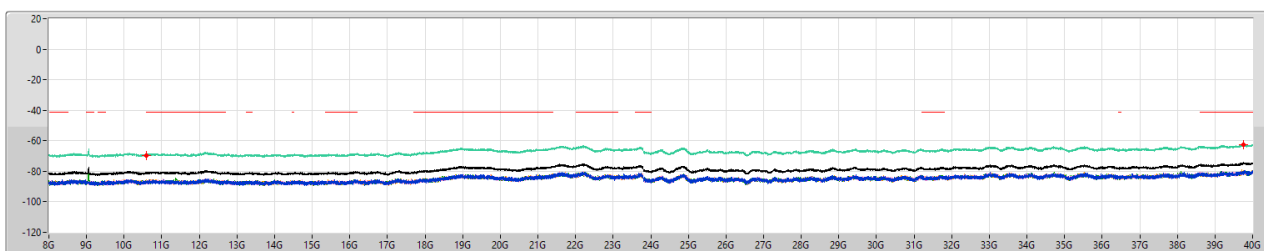
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8G	40G	1M	PK	10.386G	-63.51	-27.00	-36.51	11.90	0.00	-75.41	-81.85	-81.95	-83.02	-79.65
8G	40G	1M	PK	21.746G	-57.29	-27.00	-30.29	11.90	0.00	-69.19	-76.12	-76.32	-73.48	-75.53

Mode 11_Co-location

CSE [AV]

5200MHz

23/06/2026



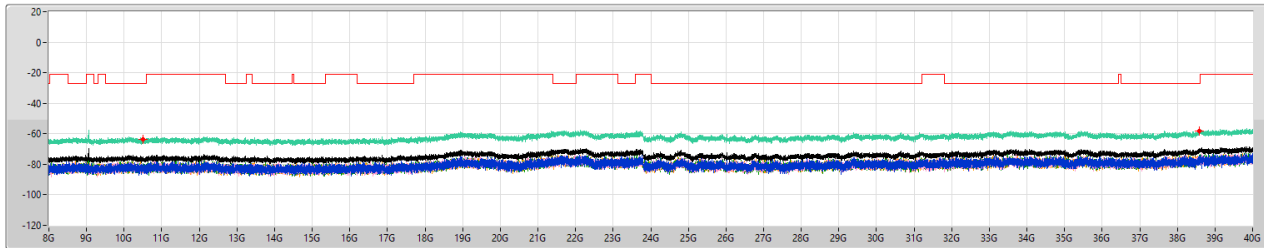
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8G	40G	1M	AV	10.6G	-69.66	-41.20	-28.46	11.90	0.00	-81.56	-86.90	-88.24	-87.59	-87.68
8G	40G	1M	AV	39.759G	-62.42	-41.20	-21.22	11.90	0.00	-74.32	-80.33	-80.10	-80.29	-80.67

Mode 12_Co-location

CSE [PK]

5240MHz

23/06/2026



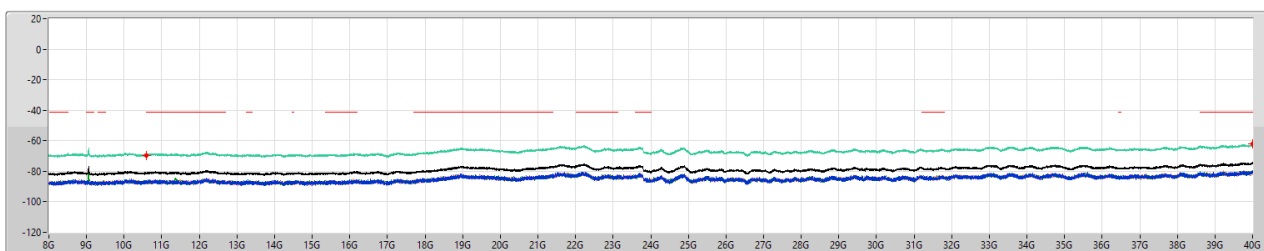
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	PK	10.494G	-63.51	-27.00	-36.51	11.90	0.00	-75.41	-81.20	-82.94	-80.73	-81.16
8G	40G	1M	PK	38.591G	-57.94	-27.00	-30.94	11.90	0.00	-69.84	-75.84	-75.03	-78.10	-75.10

Mode 12_Co-location

CSE [AV]

5240MHz

23/06/2026



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	40G	1M	AV	10.6G	-69.81	-41.20	-28.61	11.90	0.00	-81.71	-87.79	-87.76	-87.59	-87.79
8G	40G	1M	AV	39.998G	-62.29	-41.20	-21.09	11.90	0.00	-74.19	-79.87	-80.91	-79.46	-80.78