



RADIO TEST REPORT

FCC ID : RSL-TQ7403
Equipment : IEEE802.11ax tri-radio 2.4G/5G/6GHz 2x2+2x2+2x2+
Bluetooth® Low Energy and ZigBee wireless AP
Brand Name : Allied Telesis
Model Name : AT-TQ7403
Applicant : Allied Telesis K.K.
2nd. TOC Bldg.7-21-11 Nishi-Gotanda,
Shinagawa-ku Tokyo 141-0031 Japan
Manufacturer : Allied Telesis K.K.
2nd. TOC Bldg.7-21-11 Nishi-Gotanda,
Shinagawa-ku Tokyo 141-0031 Japan
Standard : 47 CFR FCC Part 15.247

The product was received on May 31, 2023, and testing was started from Jul. 25, 2023 and completed on Sep. 04, 2023. 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 C63.10-2013 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

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Photographs of EUT v01



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:

1. 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.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen**Report Producer: Viola Huang**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

For Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Note:

- ◆ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ◆ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ◆ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Set	Ant.	2.4GHz Port	5GHz Port	Brand	Model Name	Antenna Type	Connector	Remark	Gain (dBi)
1	1	2	2	WNC	08.22430.001	Dipole	RP-SMA PLUG	External	Note 1
	2	1	1	WNC	08.22430.001	Dipole	RP-SMA PLUG	External	
2	1	2	2	Angeei	EXD24140D01	Patch	N-Type	External	
	2	1	1	Angeei	EXD24140D01	Patch	N-Type	External	

Ant.	6GHz Port	Bluetooth / Zigbee	Brand	Model Name	Antenna Type	Connector	Remark	Gain (dBi)
3	2	1	WNC	95XEAK15.GAU	PIFA	I-PEX	Internal	Note 1
4	1	-	WNC	95XEAK15.GAT	PIFA	I-PEX	Internal	

Note1:

Antenna set 1:

Set	Ant.	2.4GHz Port	5GHz Port	Radio 1 (2.4GHz) and Radio 2 (5GHz)				
				Antenna Gain (dBi)				
				WLAN 2.4GHz	WLAN 5GHz			
					UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	2	2	2.83	2.20	3.16	2.80	3.72
	2	1	1	2.51	2.88	3.85	3.56	3.85

Antenna set 2 with 2M antenna cable:

Set	Ant.	2.4GHz Port	Radio 1 (2.4GHz)				
			Antenna Gain (dBi)	Cable Loss of 2M N-type (dB)	Loss of SMA Connector (dB)	Cable loss of Internal EUT (dB)	Net Gain (dBi)
2	1	2	13	0.75	0.07	0.95	11.23
	2	1	13	0.75	0.07	0.68	11.50

Set	Ant.	5GHz Port	Radio 2 (5GHz)										
			Antenna Gain (dBi)	Cable Loss of 2M N-type (dB)	Loss of SMA Connector (dB)	Cable loss of Internal EUT (dB)				Net Gain (dBi)			
						UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3
2	1	2	16	1.23	0.12	1.48	1.49	1.56	1.58	13.17	13.16	13.09	13.07
	2	1	16	1.23	0.12	1.10	1.17	1.34	1.23	13.55	13.48	13.31	13.42



Antenna set 2 with 2M and 10M antenna cable:

Set	Ant.	2.4GHz Port	Radio 1 (2.4GHz)					Net Gain (dBi)
			Antenna Gain (dBi)	Cable Loss of 2M N-type (dB)	Cable Loss of 10M N-type (dB)	Loss of SMA Connector (dB)	Cable loss of Internal EUT (dB)	
2	1	2	13	0.75	3.77	0.07	0.95	7.46
	2	1	13	0.75	3.77	0.07	0.68	7.73

Set	Ant.	5GHz Port	Radio 2 (5GHz)											
			Antenna Gain (dBi)	Cable Loss of 2M N-type (dB)	Cable Loss of 10M N-type (dB)	Loss of SMA Connector (dB)	Cable loss of Internal EUT (dB)				Net Gain (dBi)			
							UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3
2	1	2	16	1.23	6.16	0.12	1.48	1.49	1.56	1.58	7.01	7.00	6.93	6.91
	2	1	16	1.23	6.16	0.12	1.10	1.17	1.34	1.23	7.39	7.32	7.15	7.26

Antenna 3 and 4:

Ant.	6GHz Port	Bluetooth / Zigbee	Radio 3 (6GHz) and Radio 4 (Bluetooth / Zigbee)				
			Antenna Gain (dBi)				
			UNII 5	UNII 6	UNII 7	UNII 8	Bluetooth / Zigbee
3	2	1	5.93	5.98	5.98	5.58	2.62
4	1	-	5.93	5.99	5.99	5.98	-

Note2: The above information was declared by manufacturer.

Note3: For antenna set 2: The gain of antenna set 2 with 2M antenna cable was higher than antenna set 2 with 10M antenna cable, thus antenna set 2 with 2M antenna cable was selected to test.

Note4: The EUT has two antenna sets for radio 1 and radio 2.

Note5: The DFS band isn't enabled at this time.



Note6: 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 ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} G_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} G_{j,k} \right]^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} G_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

$NSS1(g1,1) = 10^{G1/20}$; $NSS1(g1,2) = 10^{G2/20}$;

$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$

$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$

Where ;

For Antenna set 1

2.4G G1= 2.83 dBi ; G2= 2.51 dBi ;DG= 5.68dBi

5G UNII-1 G1= 2.2 dBi ; G2= 2.88 dBi ;DG= 5.56dBi

5G UNII-2A G1= 3.16 dBi ; G2= 3.85 dBi ;DG= 6.52dBi

5G UNII-2C G1= 2.8 dBi ; G2= 3.56 dBi ;DG= 6.2dBi

5G UNII-3 G1= 3.72 dBi ; G2= 3.85 dBi ;DG= 6.8dBi

For Antenna set 2 (Cross-Polarized Antenna)

2.4G G1= 11.23 dBi ; G2= 11.5 dBi ;DG= 11.5dBi

5G UNII-1 G1= 13.17 dBi ; G2= 13.55 dBi ;DG= 13.55dBi

5G UNII-2A G1= 13.16 dBi ; G2= 13.48 dBi ;DG= 13.48dBi

5G UNII-2C G1= 13.09 dBi ; G2= 13.31 dBi ;DG= 13.31dBi

5G UNII-3 G1= 13.07 dBi ; G2= 13.42 dBi ;DG= 13.42dBi

For Antenna 3 and Antenna 4

6G UNII-4 G1= 5.93 dBi ; G2= 5.93 dBi ;DG= 8.94dBi

6G UNII-5 G1= 5.98 dBi ; G2= 5.99 dBi ;DG= 9dBi

6G UNII-6 G1= 5.98 dBi ; G2= 5.99 dBi ;DG= 9dBi

6G UNII-7 G1= 5.58 dBi ; G2= 5.98 dBi ;DG= 8.79dBi

<For Radio 1 (2.4GHz Functions) and Radio 2 (5GHz Functions)>

For 2TX/2RX:

Port 1 and Port 2 can be use as transmitting/receiving antenna

Port 1 and Port 2 could receive simultaneously.

<For Radio 3 / 6GHz Functions>

For 2TX/2RX:

Port 1 and Port 2 can be use as transmitting/receiving antenna

Port 1 and Port 2 could receive simultaneously.

<For Radio 4 / Bluetooth / Zigbee Functions>

For 1TX/1RX:

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



1.1.3 Table for Antennae Set 2 Configuration

Set	Configuration	Ant. of EUT	Radio 1 (2.4GHz) and Radio 2 (5GHz)			
			Antenna port of antenna set 2			
2	1	1	1	-	-	-
		2	2	-	-	-
	2	1	-	4	-	-
		2	-	3	-	-
	3	1	-	-	3	-
		2	-	-	4	-
	4	1	-	-	-	2
		2	-	-	-	1

1.1.4 Mode Test Duty Cycle

For Test Mode 1 + antenna set 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.706	1.51	671.25u	3k
802.11g	0.951	0.22	1.978m	1k
802.11ax HEW20	0.823	0.85	5.452m	300
802.11ax HEW20-BF	0.823	0.85	5.452m	300
802.11ax HEW40	0.778	1.09	5.452m	300
802.11ax HEW40-BF	0.778	1.09	5.452m	300

For Test Mode 2 + antenna set 2 with 2M antenna cable

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.706	1.51	690u	3k
802.11g	0.952	0.21	1.978m	1k
802.11ax HEW20	0.8	0.97	5.448m	300
802.11ax HEW20-BF	0.8	0.97	5.448m	300
802.11ax HEW40	0.822	0.85	5.446m	300
802.11ax HEW40-BF	0.822	0.85	5.446m	300

Note:

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



1.1.5 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for 11n/VHT/11ax in 2.4GHz, 11n/11ac/11ax in 5GHz and 11ax in 6GHz.			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Support RU	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
Test Software Version	QSPR Version 5.0-00199			

Note: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Radio	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth / Zigbee
1	V	-	-	-
2	-	V	-	-
3	-	-	V	-
4	-	-	-	V

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2013

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	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	TH01-CB	KJ Chang	23.6~24.7 / 62~69	Jul. 31, 2023~Aug. 23, 2023
Radiated below 1GHz	03CH05-CB	RJ Huang	21~22 / 55~58	Jul. 28, 2023~Aug. 04, 2023
Radiated above 1GHz	03CH01-CB	Alex Kuo	22.2~22.8 / 61~64	Jul. 25, 2023~Jul. 31, 2023
	03CH02-CB	Alex Kuo	22~23.9 / 57~63	
Radiated above 1GHz (For co-location test)	03CH04-CB	Alex Kuo	22.3~24 / 57~62	Sep. 04, 2023
AC Conduction	CO02-CB	Summer Li	24~25 / 49~50	Aug. 21, 2023

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1

Test Mode 1 + antenna set 1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22.5
2437MHz	23
2462MHz	22.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	19.5
2417MHz	20.5
2437MHz	23
2457MHz	21
2462MHz	20
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	21.5
2437MHz	23
2457MHz	20.5
2462MHz	20
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	18.5
2437MHz	19.5
2452MHz	18
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	21.5
2437MHz	23
2457MHz	20.5
2462MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18.5
2437MHz	19.5
2452MHz	18



Test Mode 2 + antenna set 2 with 2M antenna cable + configuration 3 (Port 3 + Port 4)

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2437MHz	22
2457MHz	16
2462MHz	15.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	22
2457MHz	19
2462MHz	16
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	22.5
2457MHz	17.5
2462MHz	15.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	19
2447MHz	14
2452MHz	12
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	22.5
2457MHz	17.5
2462MHz	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	19
2447MHz	14
2452MHz	12

Note:

- ♦ Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
	<ol style="list-style-type: none"> For antenna set 2: configuration 2 (Port 4 + Port 3) has been evaluated to be the worst case for radiated emissions test. Consequently, measurement for conducted emissions test will follow this same test mode. For powered by PoE: There are two PoE ports on the EUT. Because of the same function and rate, powered from PoE port 2 is selected for testing.
1	EUT + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
2	EUT + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / TX) + adapter
3	EUT + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / RX) + adapter
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / RX) + PoE
5	EUT + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
6	EUT + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / TX) + adapter
7	EUT + antenna set 2 (2.4GHz+5GHz) configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / RX) + adapter
Mode 6 has been evaluated to be the worst case among Mode 5~7, thus measurement for Mode 8 will follow this same test mode.	
8	EUT + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / TX) + PoE
Mode 8 has been evaluated to be the worst case among Mode 5~8, thus measurement for Mode 9 will follow this same test mode.	
9	EUT + antenna set 2 (2.4GHz+5GHz) configuration 2 (Port 4 + Port 3) with 2M and 10M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / TX) + PoE
For operating mode 9 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	Radio 1 + antenna set 1
2	Radio 1 + antenna set 2 with 2M antenna cable



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	Normal Link 1. For antenna set 1: The EUT performed the test at the X axis, Y axis and Z axis. The Y axis has been evaluated to be the worst case, this measurement will follow this same test mode. 2. For antenna set 2: The EUT performed the test at the X axis, Y axis and Z axis. The Z axis has been evaluated to be the worst case, this measurement will follow this same test mode. 3. For powered by PoE: There are two PoE ports on the EUT. Because of the same function and rate, powered from PoE port 2 is selected for testing.
1	EUT in Y axis + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
2	EUT in Y axis + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / TX) + adapter
3	EUT in Y axis + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / RX) + adapter
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Y axis + antenna set 1 (2.4GHz+5GHz) + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / RX) + PoE
5	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
6	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
7	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 3 (Port 3 + Port 4) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
8	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 4 (Port 2 + Port 1) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + adapter
Mode 6 has been evaluated to be the worst case among Mode 5~8, thus measurement for Mode 9~10 will follow this same test mode.	
9	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / TX) + adapter
10	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Zigbee / RX) + adapter
Mode 6 has been evaluated to be the worst case among Mode 5~10, thus measurement for Mode 11~12 will follow this same test mode.	
11	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 2M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + PoE
12	EUT in Z axis + antenna set 2 (2.4GHz+5GHz) + configuration 2 (Port 4 + Port 3) with 12M antenna cable + ant. 3~ant. 4 (6GHz) + ant. 3 (Bluetooth) + PoE
For operating mode 4 is the worst case and it was record in this test report.	



Operating Mode > 1GHz	CTX
	<ol style="list-style-type: none"> The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. Thus, the measurement will follow this same test configuration. The EUT was performed with antenna set 2 in four configurations, and the worst case was found at configuration 3 (Port 3 + Port 4). Thus, the measurement will follow this same test configuration.
1	EUT in Z axis + Radio 1 + antenna set 1
2	EUT in Z axis + Radio 1 + antenna set 2 with 2M antenna cable + configuration 3 (Port 3 + Port 4)

The Worst Case Mode for Following Conformance Tests		
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location	
Test Condition	Radiated measurement	
Operating Mode	Normal Link	
	<ol style="list-style-type: none"> For test mode 1: The EUT was performed testing at X, Y, and Z axis positions, and the worst case was found at Y axis in Unwanted Emissions above 1GHz. Thus, the measurement will follow this same test configuration. For test mode 2: The EUT was performed testing at X, Y, and Z axis positions, and the worst case was found at Z axis in Unwanted Emissions above 1GHz. Thus, the measurement will follow this same test configuration. For test mode 3: The EUT was performed testing at X, Y, and Z axis positions, and the worst case was found at Y axis in Unwanted Emissions above 1GHz. Thus, the measurement will follow this same test configuration. For test mode 4: The EUT was performed testing at X, Y, and Z axis positions, and the worst case was found at X axis in Unwanted Emissions above 1GHz. Thus, the measurement will follow this same test configuration. 	
	1	EUT in Y axis_Radio 1 (2.4GHz) + Radio 2 (5GHz) with antenna set 1
	2	EUT in Z axis_Radio 1 (2.4GHz) + Radio 2 (5GHz) with antenna set 2 with 2M antenna cable + configuration 3 (Port 3 + Port 4)
	3	EUT in Y axis_Radio 3 (6GHz) + Radio 4 (Bluetooth)
4	EUT in X axis_Radio 3 (6GHz) + Radio 4 (Zigbee)	
For operating mode 3 is the worst case and it was record in this test report.		
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 1 (2.4GHz) + Radio 2 (5GHz) with antenna set 1 + Radio 3 (6GHz) + Radio 4 (Bluetooth)
2	Radio 1 (2.4GHz) + Radio 2 (5GHz) with antenna set 1 + Radio 3 (6GHz) + Radio 4 (Zigbee)
3	Radio 1 (2.4GHz) + Radio 2 (5GHz) with antenna set 2 with 2M antenna cable + Radio 3 (6GHz) + Radio 4 (Bluetooth)
4	Radio 1 (2.4GHz) + Radio 2 (5GHz) with antenna set 2 with 2M antenna cable + Radio 3 (6GHz) + Radio 4 (Zigbee)

Refer to Sporton Test Report No.: FA372105 for Co-location RF Exposure Evaluation.

Note: The Adapter and PoE are for measurement only, would not be marketed.

Adapter and PoE information as below:

Power	Brand	Model
Adapter	APD	DA-48Z12
PoE 1	DELTA	ADP-60HR B
PoE 2	Microsemi	PD-9001GR/AC

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Mounting Bracket*1
SMA Connector*2 (Used for Patch Ant.)



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN1 NB	DELL	E6430	N/A
B	LAN2 NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6431	N/A
D	5G NB	DELL	E6432	N/A
E	6G NB	DELL	E6433	N/A
F	Zigbee Device	Allied Telesis	TQ6403	N/A
G	PoE 1	DELTA	ADP-60HR B	N/A
H	6G Client	INTEL	AX210NGW	PD9AX210NG/NA
J	Device NB	DELL	E6433	N/A

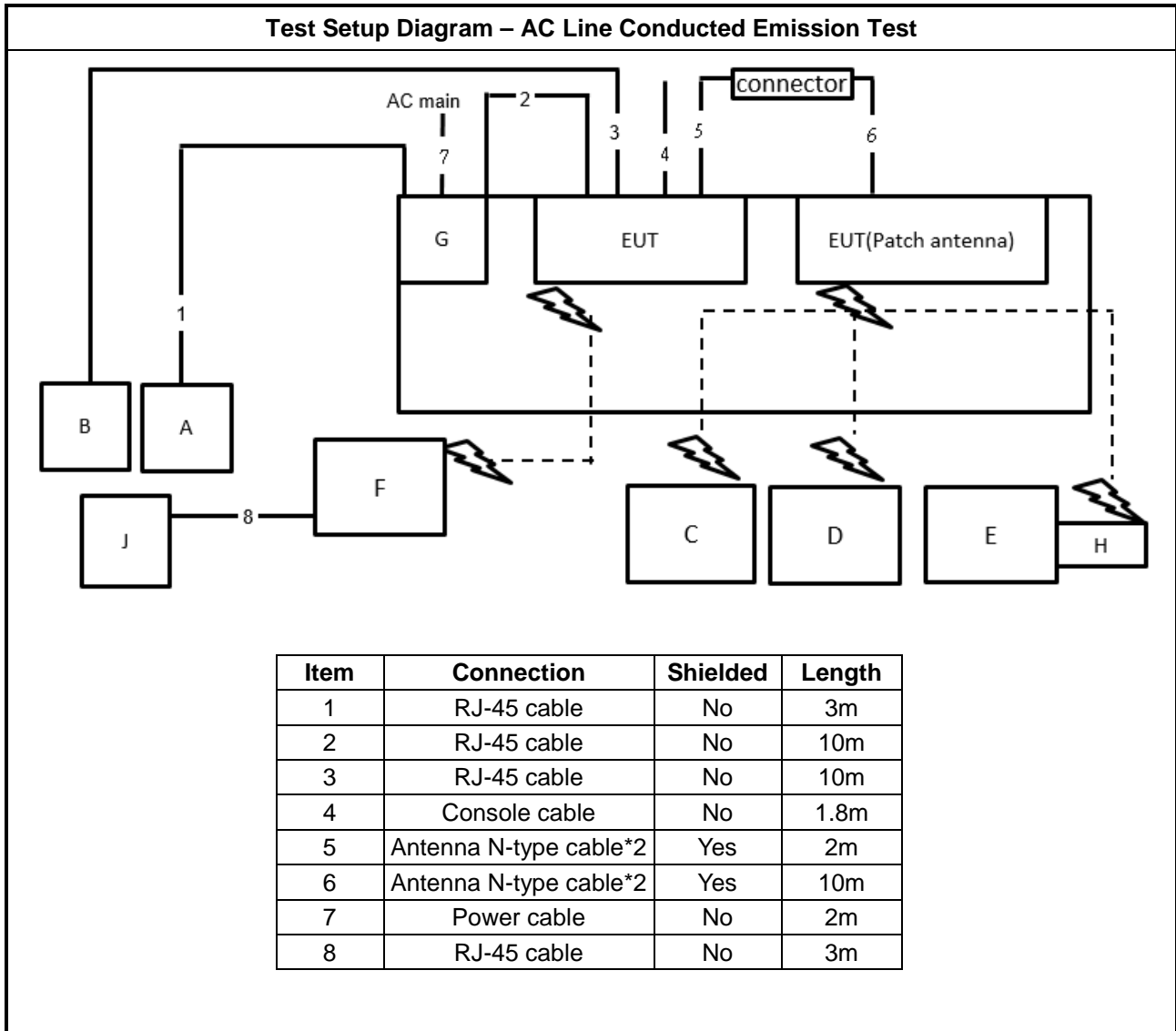
For Radiated (below 1GHz):

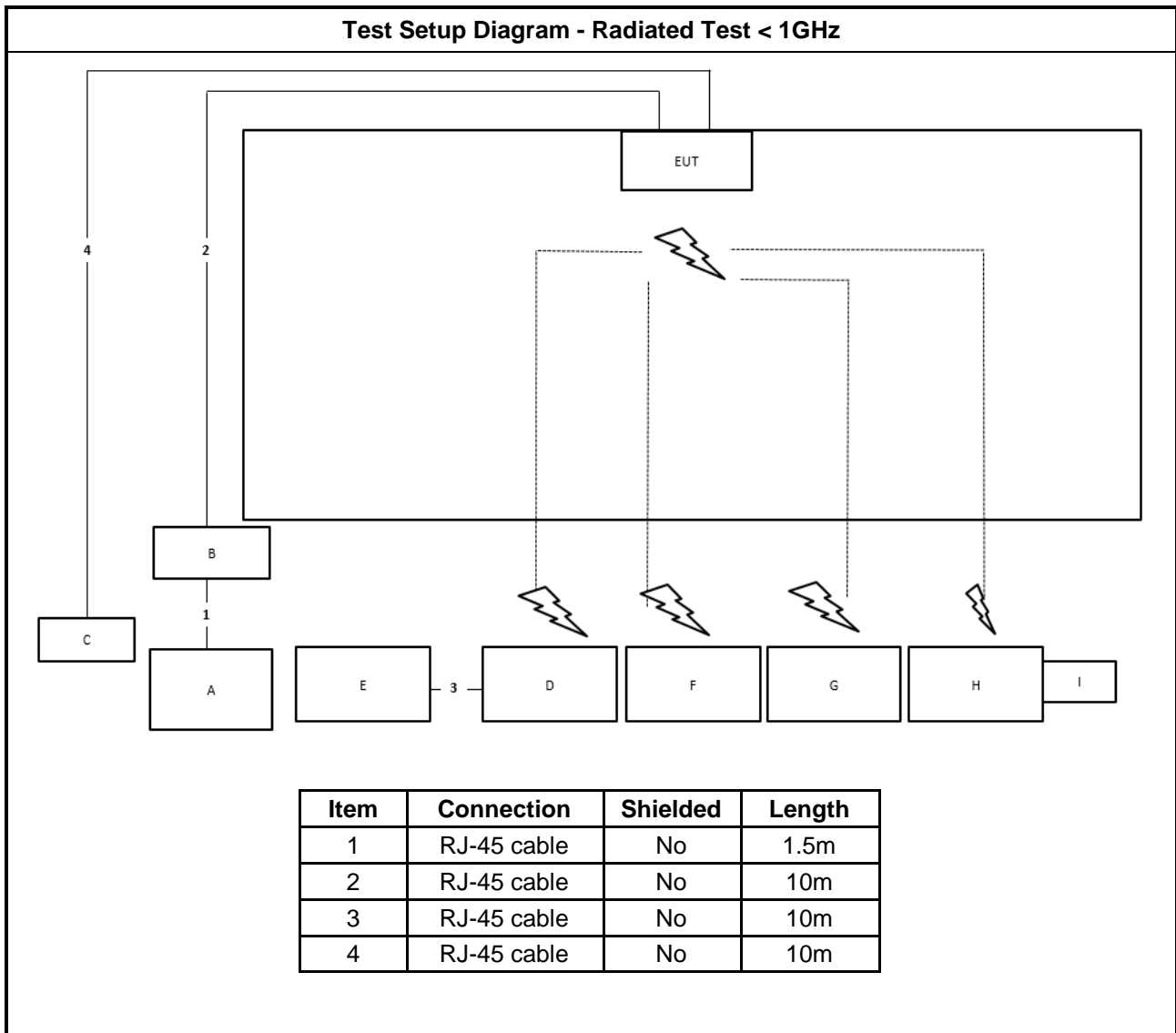
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.5G Notebook	DELL	E4300	N/A
B	PoE 2	Microsemi	PD-9001GR/AC	N/A
C	2.5G Notebook	DELL	E4300	N/A
D	Zigbee Client	Allied Telesis	TQ6403	N/A
E	Client Notebook	DELL	E4300	N/A
F	2.4G WIFI Notebook	DELL	E4300	N/A
G	5G WIFI Notebook	DELL	E4300	N/A
H	6G WIFI Notebook	DELL	E4300	N/A
I	WLAN module	INTEL	AX210NGW	PD9AX210NG

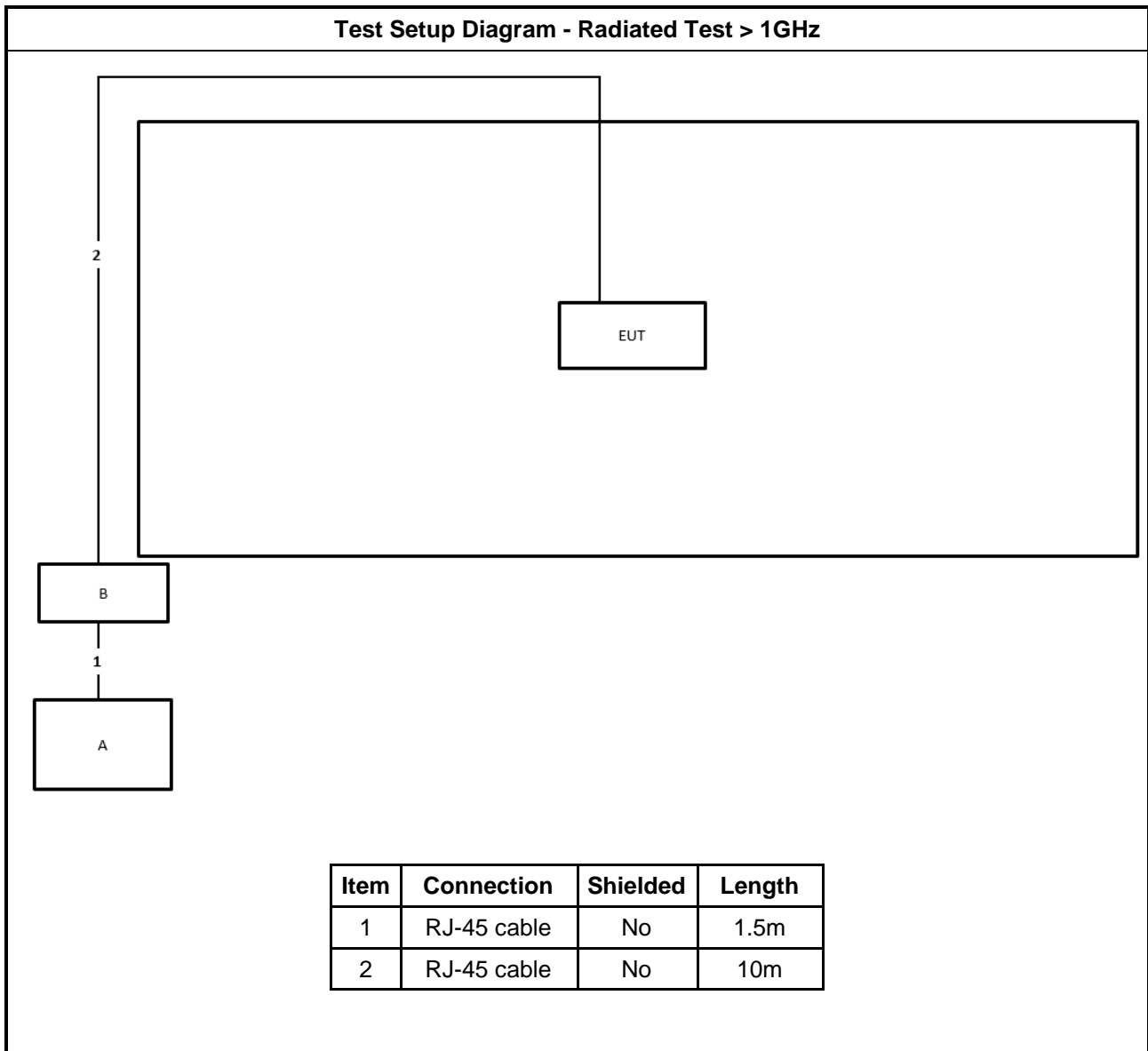
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE 1	DELTA	ADP-60HR B	N/A

2.6 Test Setup Diagram









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.

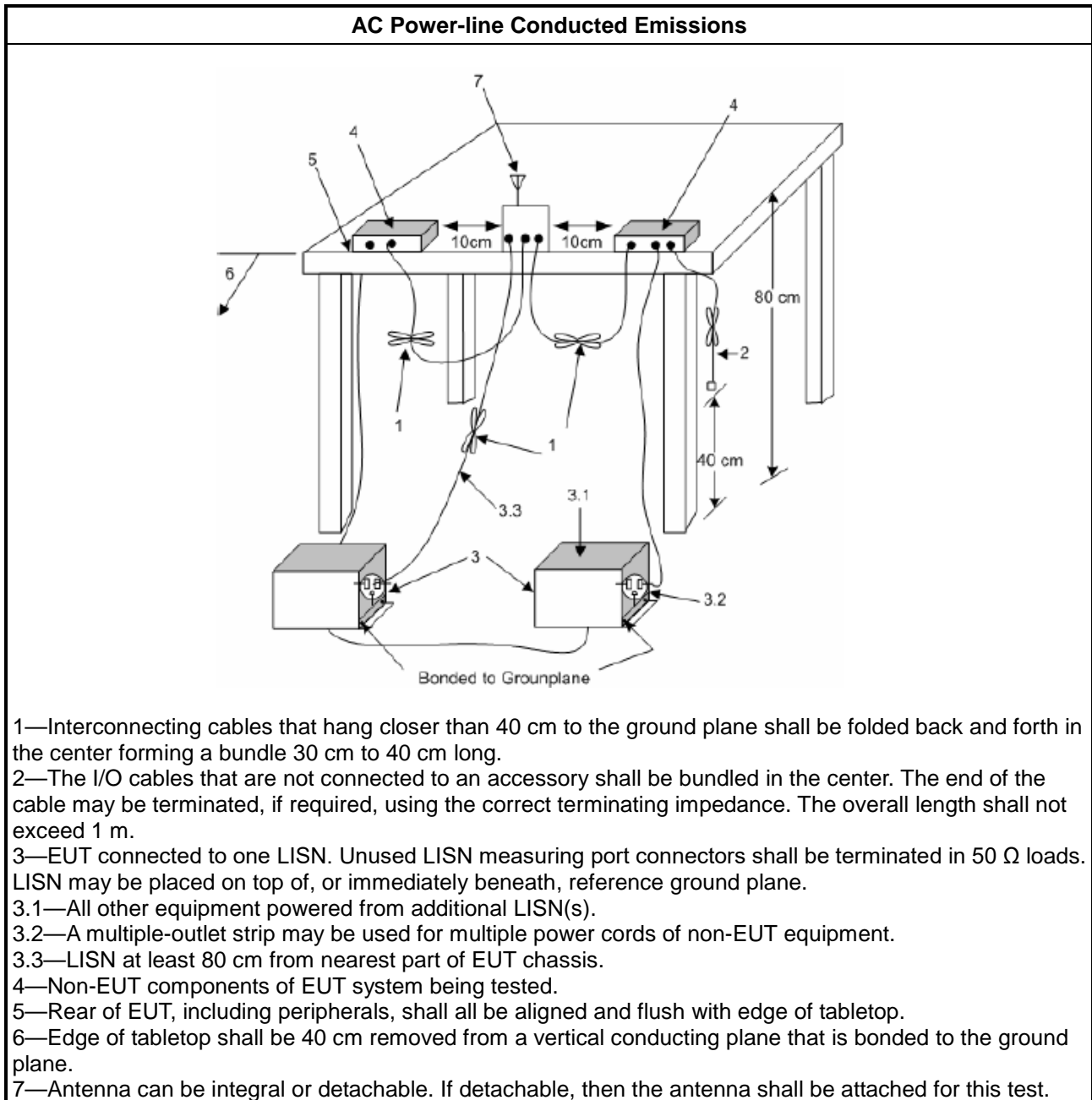
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

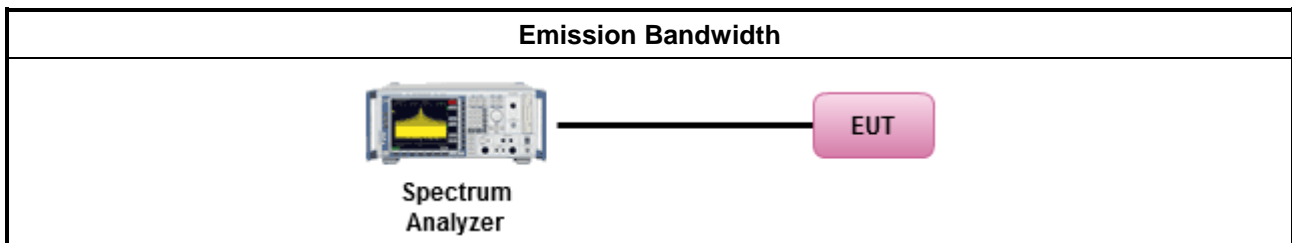
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> 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	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

3.3.2 Measuring Instruments

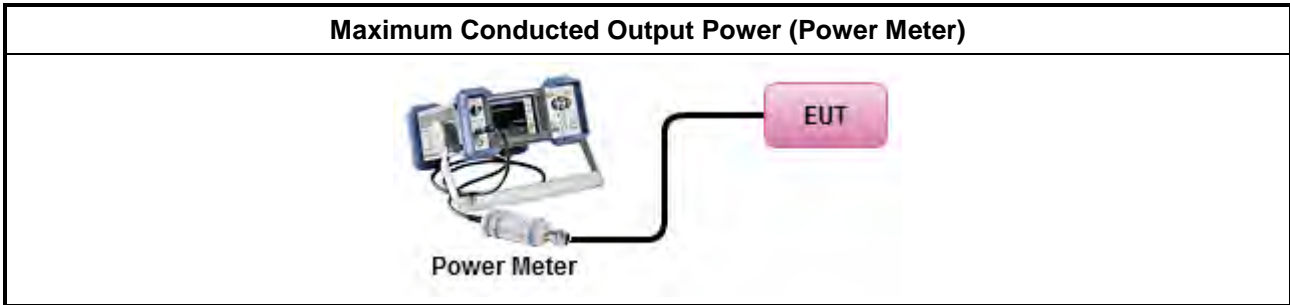
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> 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	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> 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)	
	<input type="checkbox"/> 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).
	<input checked="" type="checkbox"/> 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).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ 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
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

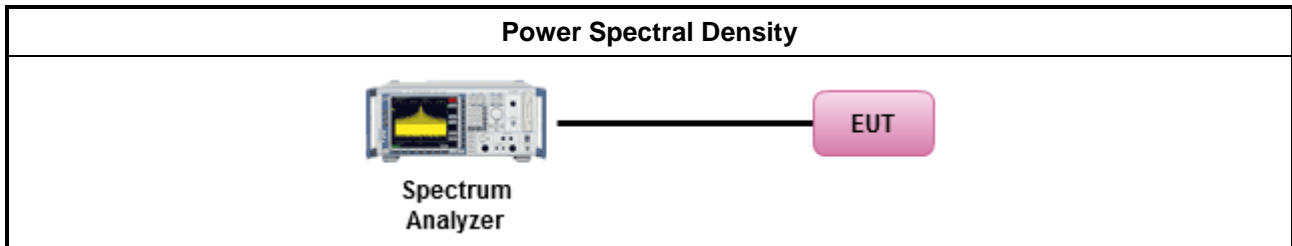
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> 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). 			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <table border="1"> <tbody> <tr> <td> <input checked="" type="checkbox"/> 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. </td> </tr> <tr> <td> <input type="checkbox"/> 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, </td> </tr> <tr> <td> <input type="checkbox"/> 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. </td> </tr> </tbody> </table> 	<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> 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,	<input type="checkbox"/> 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.
<input checked="" type="checkbox"/> 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.			
<input type="checkbox"/> 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,			
<input type="checkbox"/> 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.

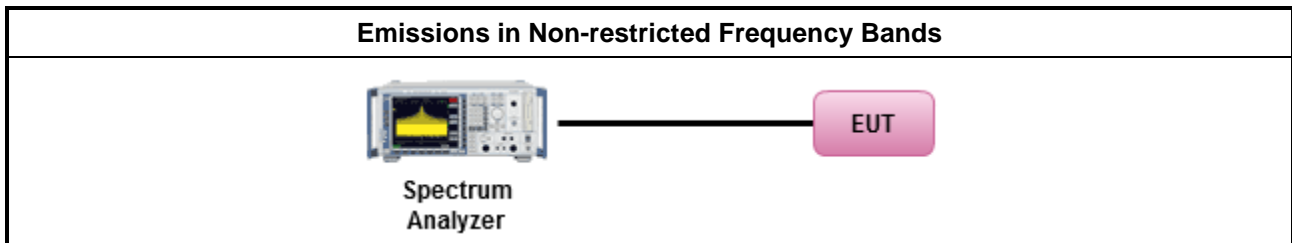
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> 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

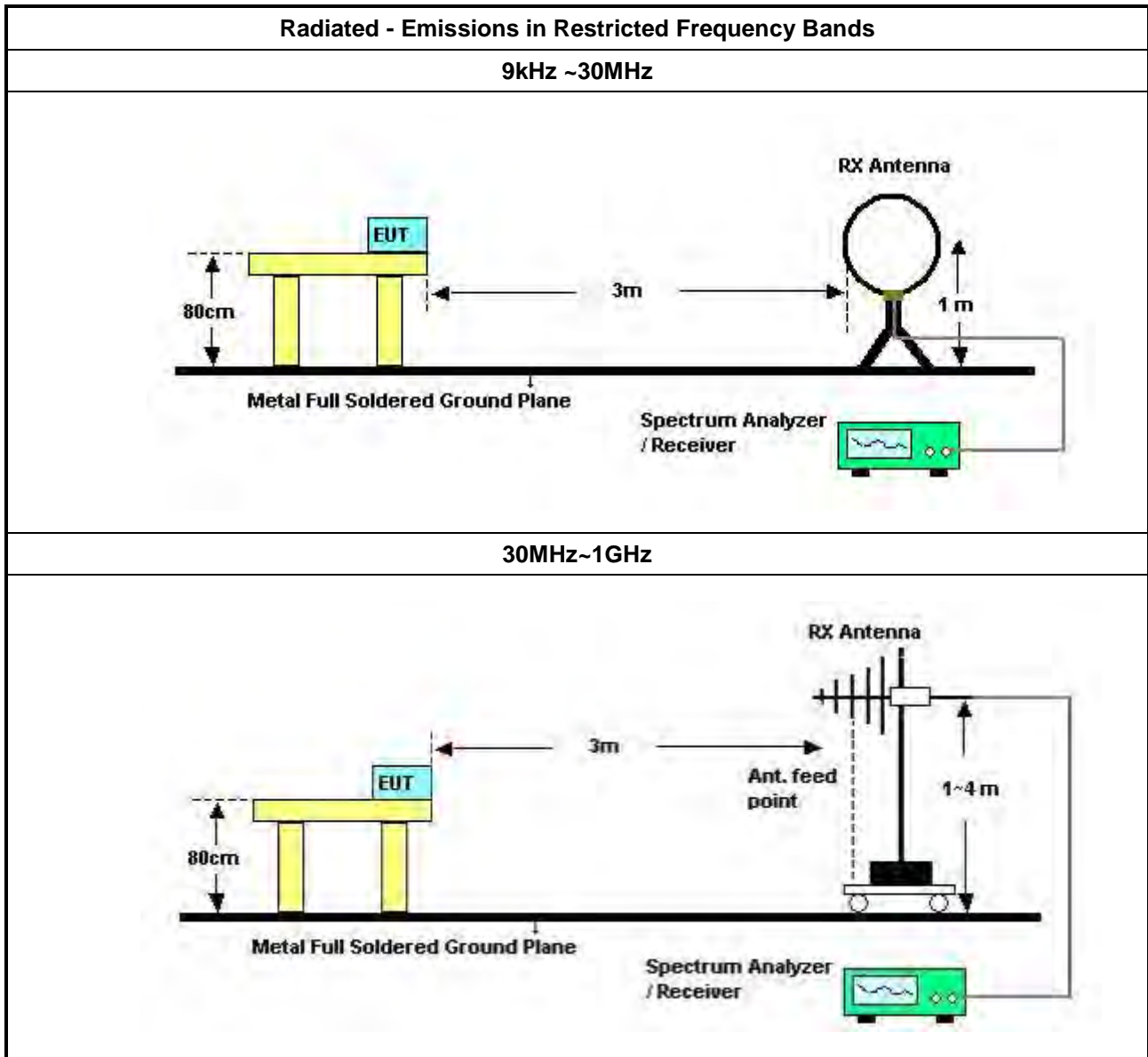
Refer a test equipment and calibration data table in this test report.

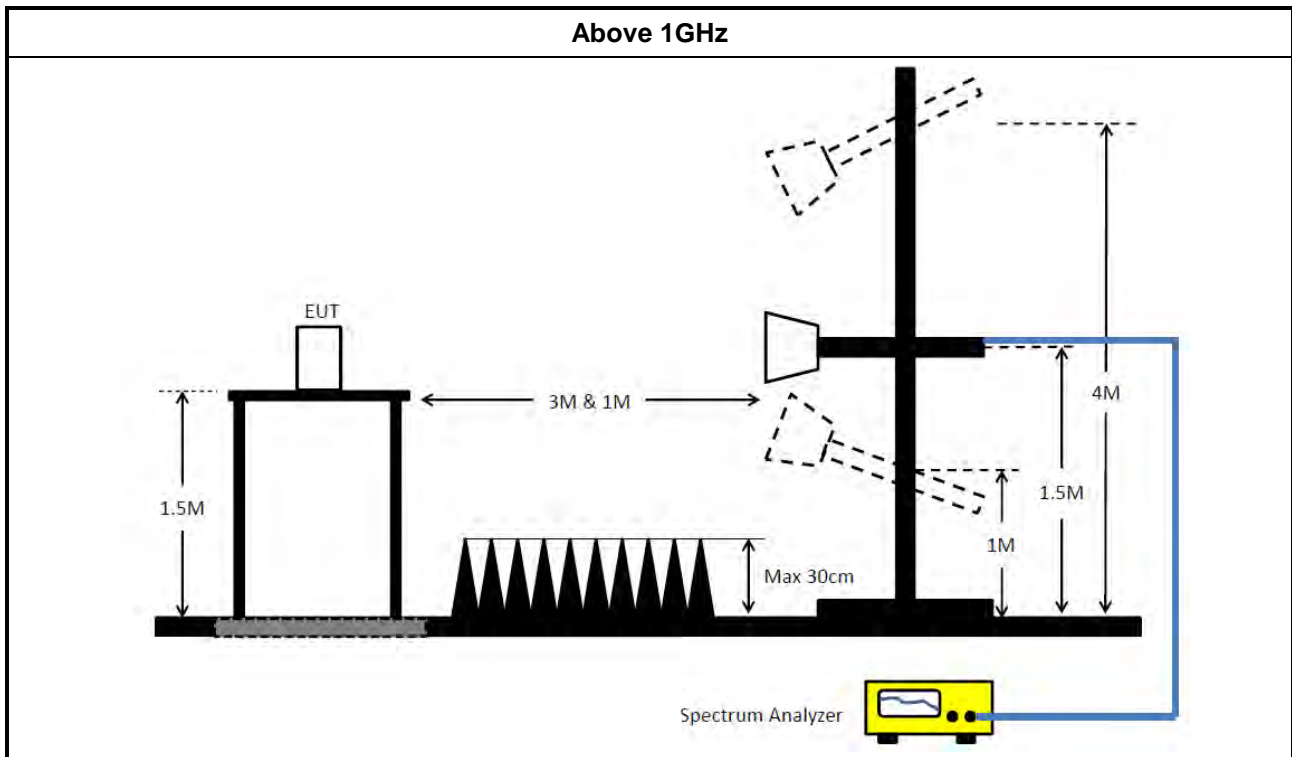


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ 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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 06, 2023	Apr. 05, 2024	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGR EN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100142	9kHz-40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz-40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz -26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz - 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz - 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz - 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz - 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz - 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz - 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

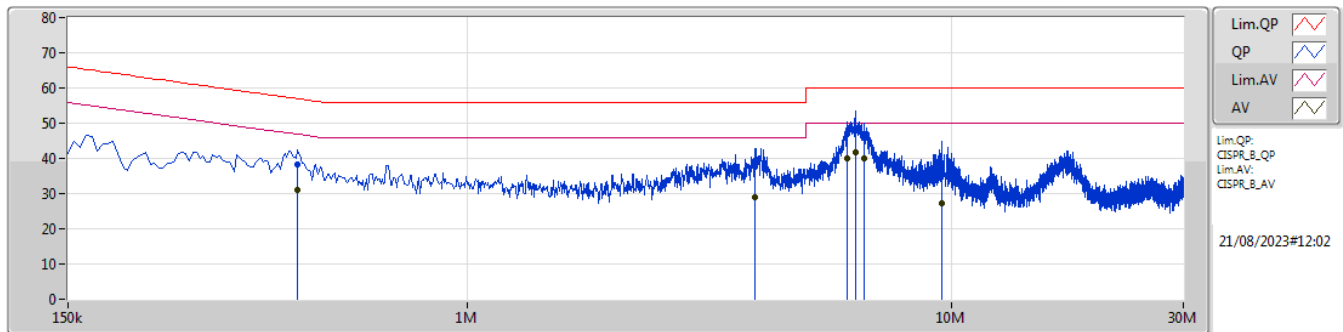
N.C.R. means Non-Calibration required.



Summary

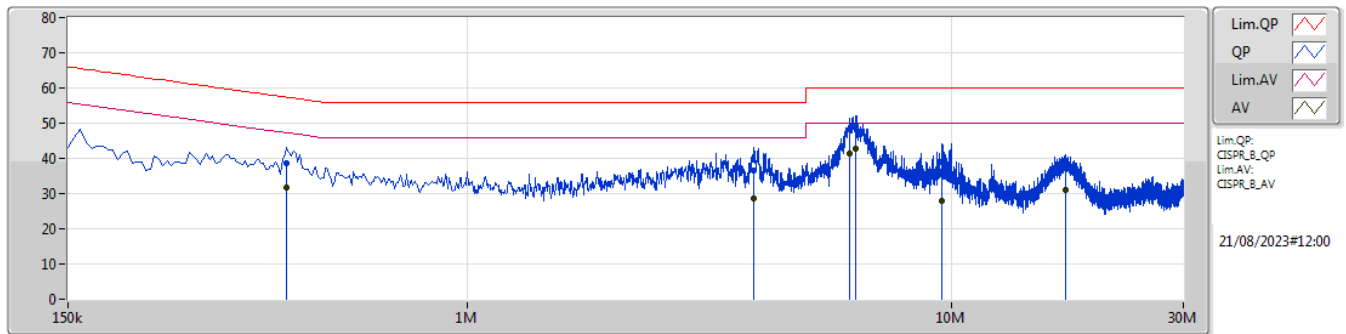
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 9	Pass	AV	6.315M	42.87	50.00	-7.13	Neutral

Mode 9



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	447k	38.39	56.94	-18.55	10.19	Line	-	28.20	0.04	0.15	10.00
AV	447k	31.00	46.94	-15.94	10.19	Line	-	20.81	0.04	0.15	10.00
QP	3.926M	37.57	56.00	-18.43	10.14	Line	-	27.43	0.10	0.20	9.84
AV	3.926M	28.90	46.00	-17.10	10.14	Line	-	18.76	0.10	0.20	9.84
QP	6.068M	46.90	60.00	-13.10	10.23	Line	-	36.67	0.15	0.20	9.88
AV	6.068M	40.10	50.00	-9.90	10.23	Line	-	29.87	0.15	0.20	9.88
QP	6.315M	48.22	60.00	-11.78	10.23	Line	-	37.99	0.15	0.20	9.88
AV	6.315M	41.60	50.00	-8.40	10.23	Line	"Worst"	31.37	0.15	0.20	9.88
QP	6.576M	46.88	60.00	-13.12	10.24	Line	-	36.64	0.15	0.21	9.88
AV	6.576M	39.87	50.00	-10.13	10.24	Line	-	29.63	0.15	0.21	9.88
QP	9.524M	38.12	60.00	-21.88	10.32	Line	-	27.80	0.19	0.21	9.92
AV	9.524M	27.41	50.00	-22.59	10.32	Line	-	17.09	0.19	0.21	9.92

Mode 9



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	6.135M	48.42	60.00	-11.58	10.22	Neutral	-	38.20	0.14	0.20	9.88
AV	6.135M	41.21	50.00	-8.79	10.22	Neutral	-	30.99	0.14	0.20	9.88
QP	6.315M	49.13	60.00	-10.87	10.22	Neutral	-	38.91	0.14	0.20	9.88
AV	6.315M	42.87	50.00	-7.13	10.22	Neutral	"Worst"	32.65	0.14	0.20	9.88
QP	9.551M	38.87	60.00	-21.13	10.31	Neutral	-	28.56	0.18	0.21	9.92
AV	9.551M	27.95	50.00	-22.05	10.31	Neutral	-	17.64	0.18	0.21	9.92
QP	17.115M	37.81	60.00	-22.19	10.47	Neutral	-	27.34	0.22	0.25	10.00
AV	17.115M	31.05	50.00	-18.95	10.47	Neutral	-	20.58	0.22	0.25	10.00
QP	3.908M	36.62	56.00	-19.38	10.14	Neutral	-	26.48	0.10	0.20	9.84
AV	3.908M	28.78	46.00	-17.22	10.14	Neutral	-	18.64	0.10	0.20	9.84
QP	424.5k	38.60	57.36	-18.76	10.20	Neutral	-	28.40	0.05	0.15	10.00
AV	424.5k	31.84	47.36	-15.52	10.20	Neutral	-	21.64	0.05	0.15	10.00



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	13.673M	13M7G1D	7.05M	12.894M
802.11g_Nss1,(6Mbps)_2TX	15.675M	17.613M	17M6D1D	15.275M	16.36M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.6M	19.115M	19M1D1D	17.925M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.8M	37.731M	37M7D1D	37.4M	37.731M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	12.894M	7.1M	13.253M
2437MHz	Pass	500k	8.05M	13.028M	8.05M	13.673M
2462MHz	Pass	500k	8.05M	13.043M	8.05M	13.343M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.625M	16.36M	15.275M	16.382M
2437MHz	Pass	500k	15.675M	17.613M	15.475M	17.393M
2462MHz	Pass	500k	15.65M	16.36M	15.325M	16.382M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.6M	18.916M	18.1M	18.916M
2437MHz	Pass	500k	17.975M	19.115M	17.925M	19.065M
2462MHz	Pass	500k	18.375M	18.916M	18.225M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.65M	37.731M	37.6M	37.731M
2437MHz	Pass	500k	37.8M	37.731M	37.7M	37.731M
2452MHz	Pass	500k	37.4M	37.731M	37.65M	37.731M

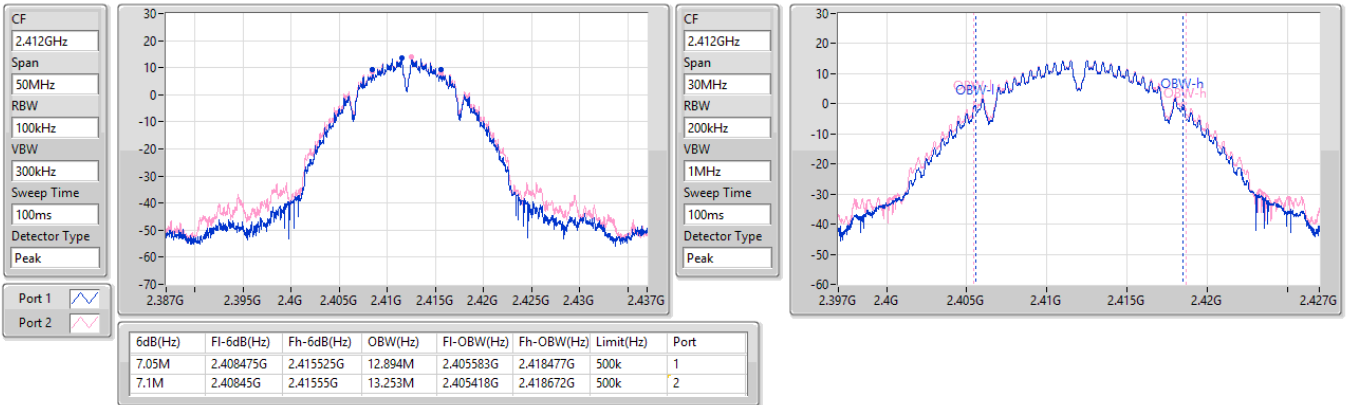
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

31/07/2023

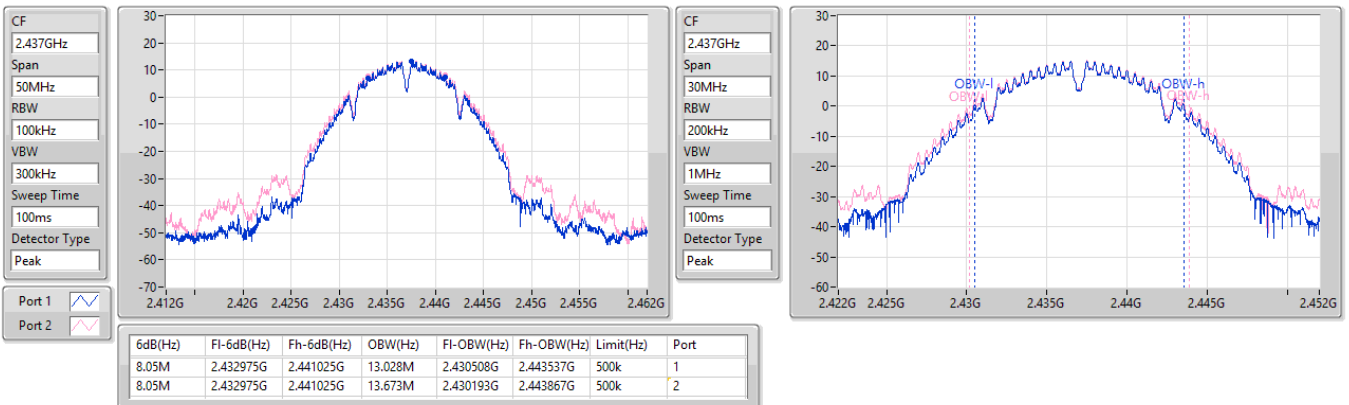


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

31/07/2023



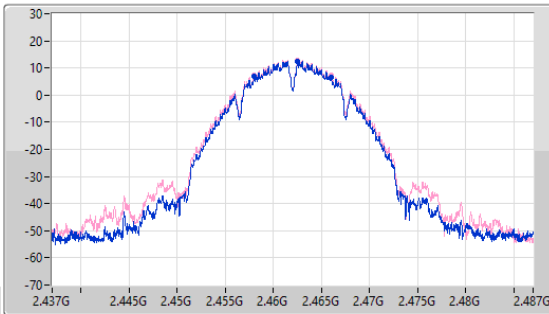
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

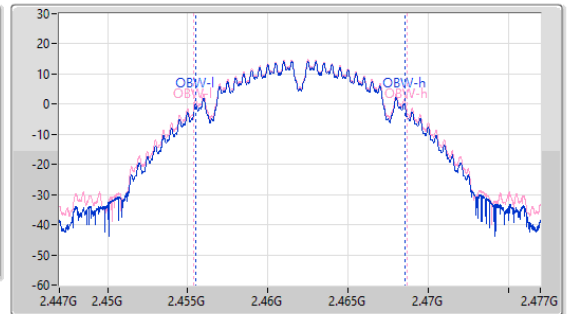
2462MHz

31/07/2023

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	13.043M	2.455493G	2.468537G	500k	1
8.05M	2.457975G	2.466025G	13.343M	2.455343G	2.468687G	500k	2

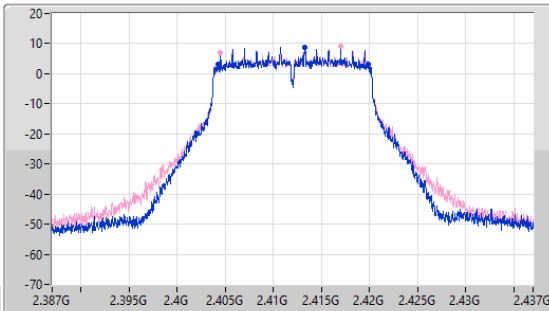
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

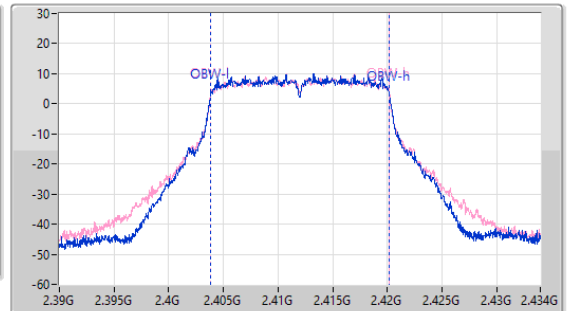
2412MHz

31/07/2023

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
44MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



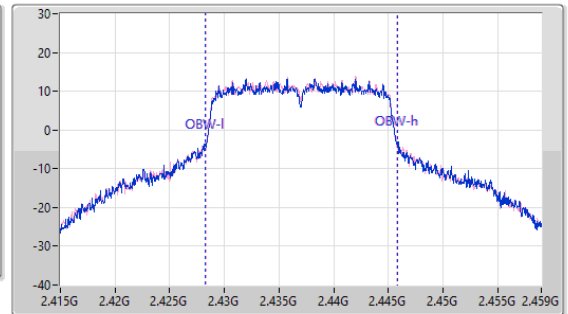
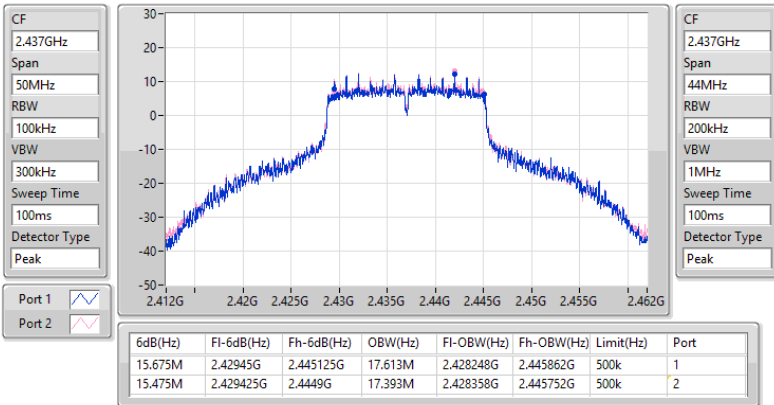
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.625M	2.40425G	2.419875G	16.36M	2.403842G	2.420202G	500k	1
15.275M	2.4045G	2.419775G	16.382M	2.40382G	2.420202G	500k	2

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

EBW

2437MHz

31/07/2023

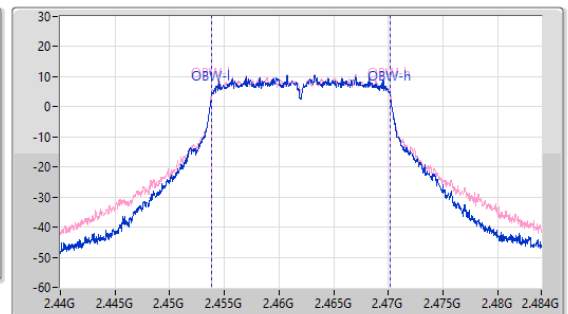
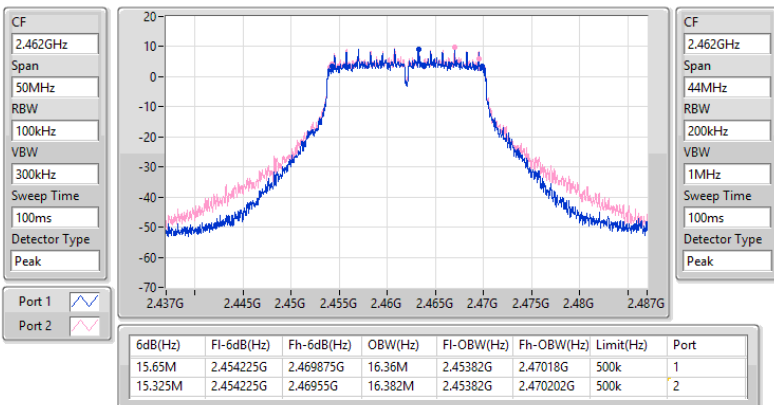


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

31/07/2023

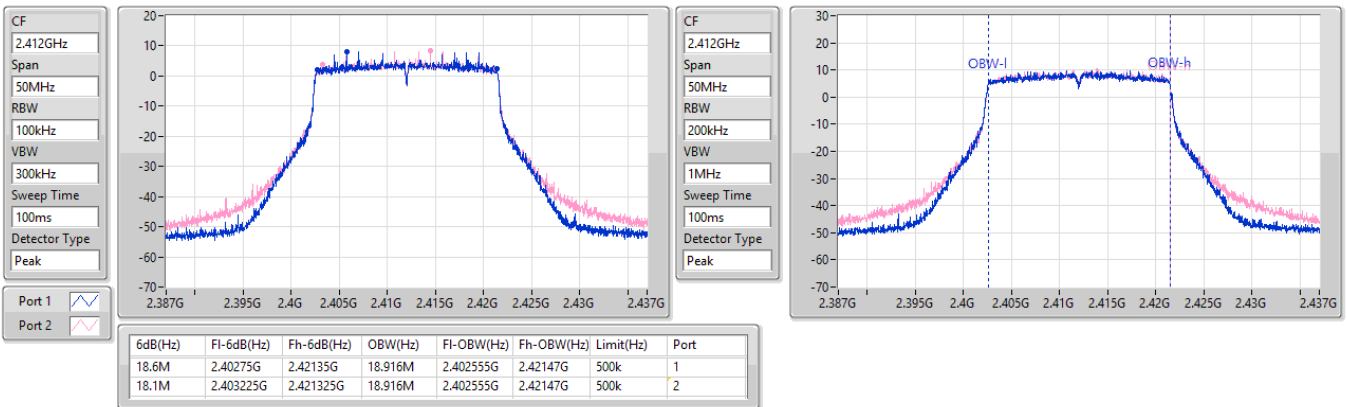


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

31/07/2023

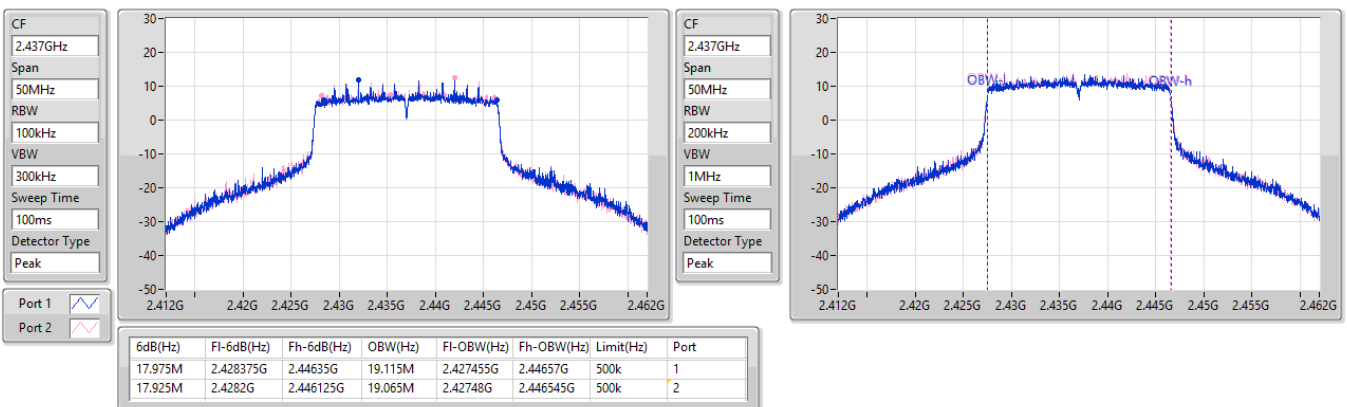


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

31/07/2023

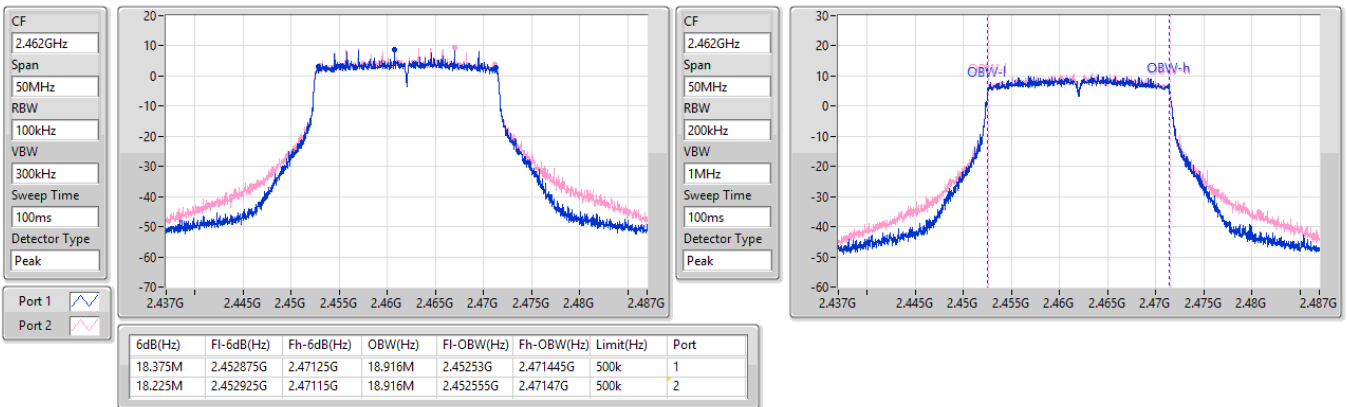


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

31/07/2023

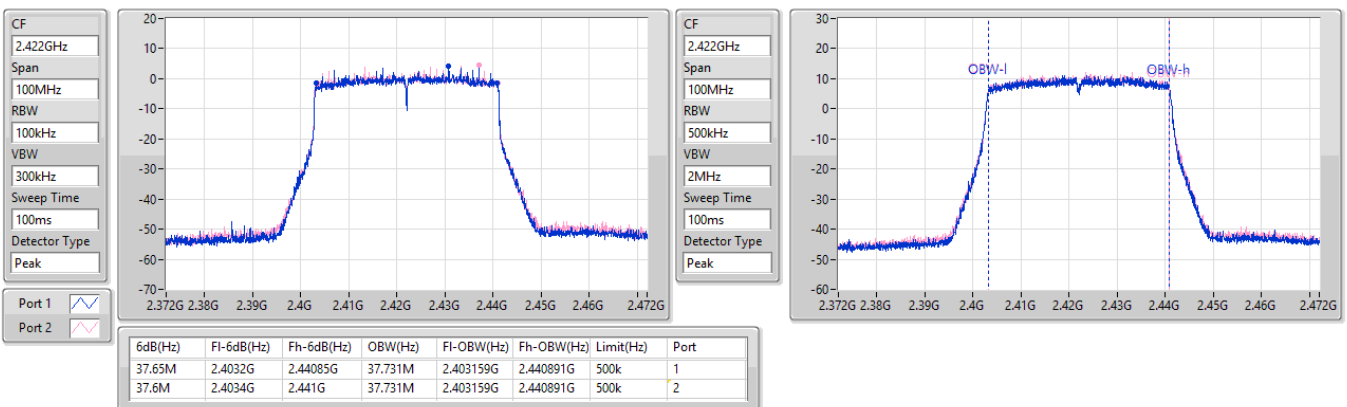


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

31/07/2023

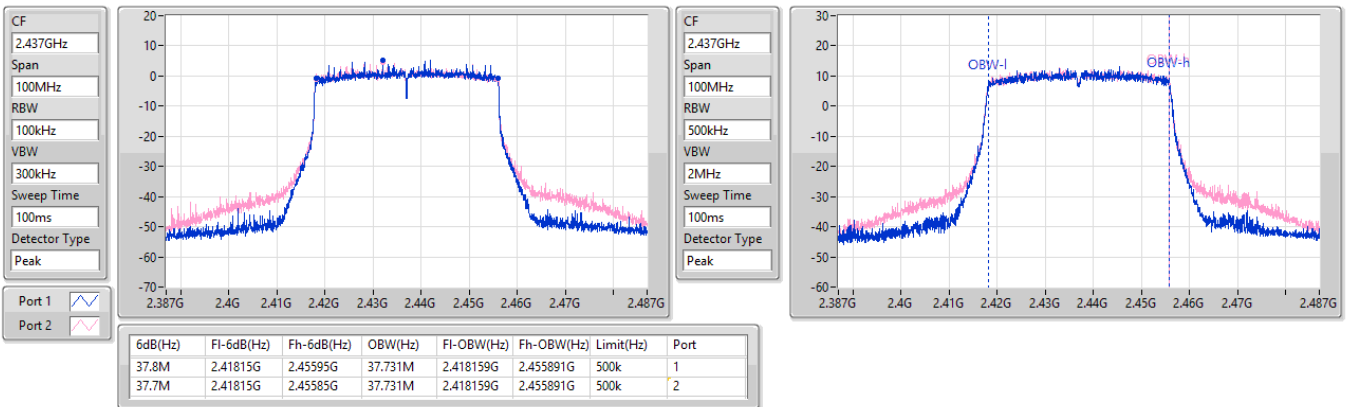


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

31/07/2023

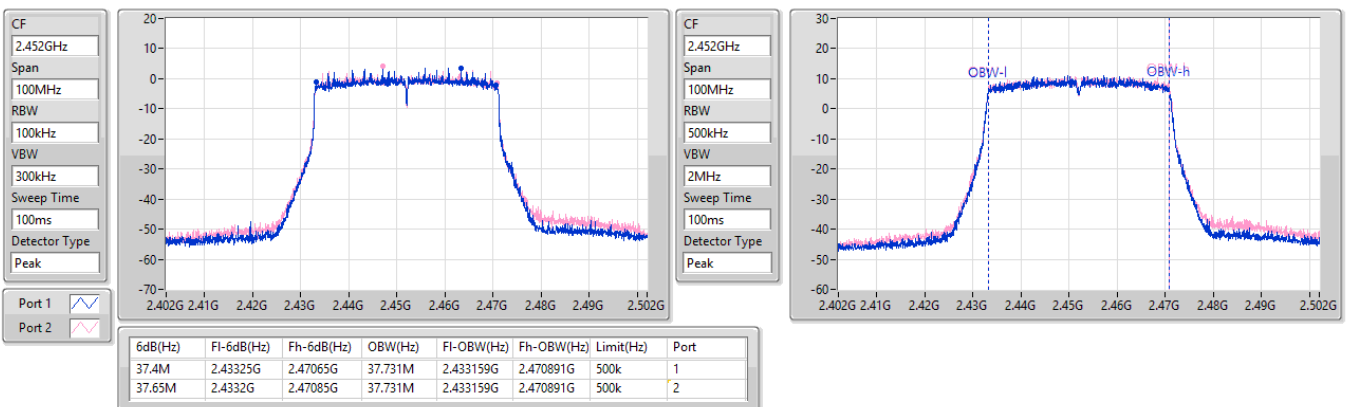


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

31/07/2023





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	13.673M	13M7G1D	8.05M	12.909M
802.11g_Nss1,(6Mbps)_2TX	16M	16.8M	16M8D1D	15.275M	16.338M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.525M	19.065M	19M1D1D	17.7M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.85M	37.731M	37M7D1D	36.4M	37.731M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.909M	8.05M	12.939M
2437MHz	Pass	500k	8.05M	13.013M	8.05M	13.673M
2462MHz	Pass	500k	8.05M	12.954M	8.05M	12.954M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.65M	16.36M	15.425M	16.36M
2437MHz	Pass	500k	16M	16.8M	15.275M	16.756M
2462MHz	Pass	500k	15.65M	16.338M	15.45M	16.382M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.375M	18.916M	18.525M	18.891M
2437MHz	Pass	500k	18.3M	19.065M	18.075M	19.015M
2462MHz	Pass	500k	18.4M	18.916M	17.7M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.75M	37.731M	36.4M	37.731M
2437MHz	Pass	500k	37.55M	37.731M	37.55M	37.731M
2452MHz	Pass	500k	37.85M	37.731M	37.45M	37.731M

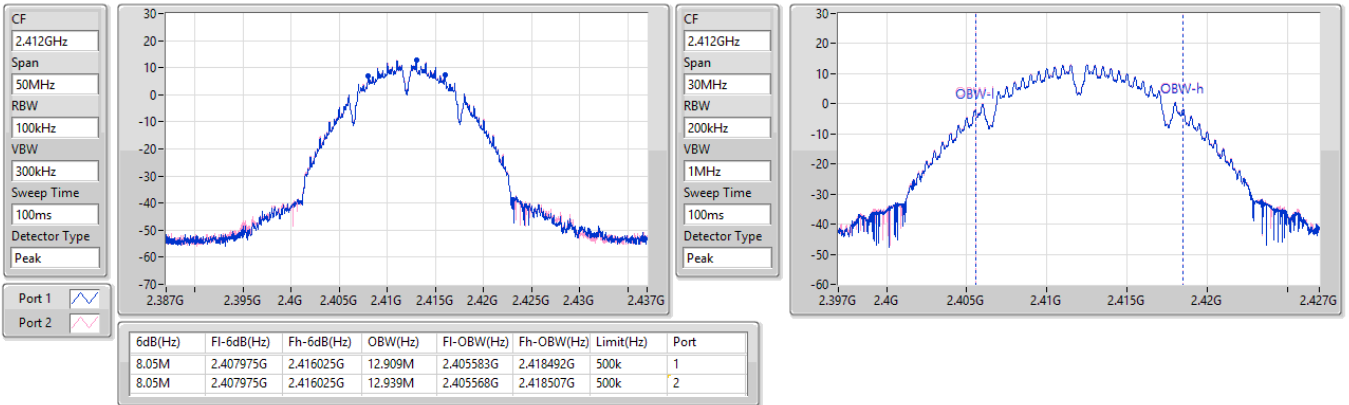
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

31/07/2023

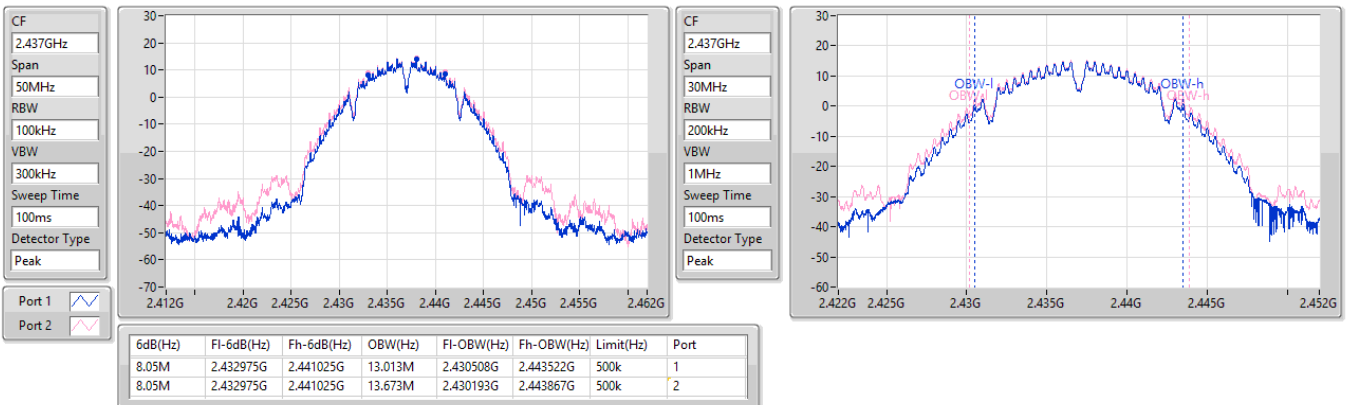


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

31/07/2023

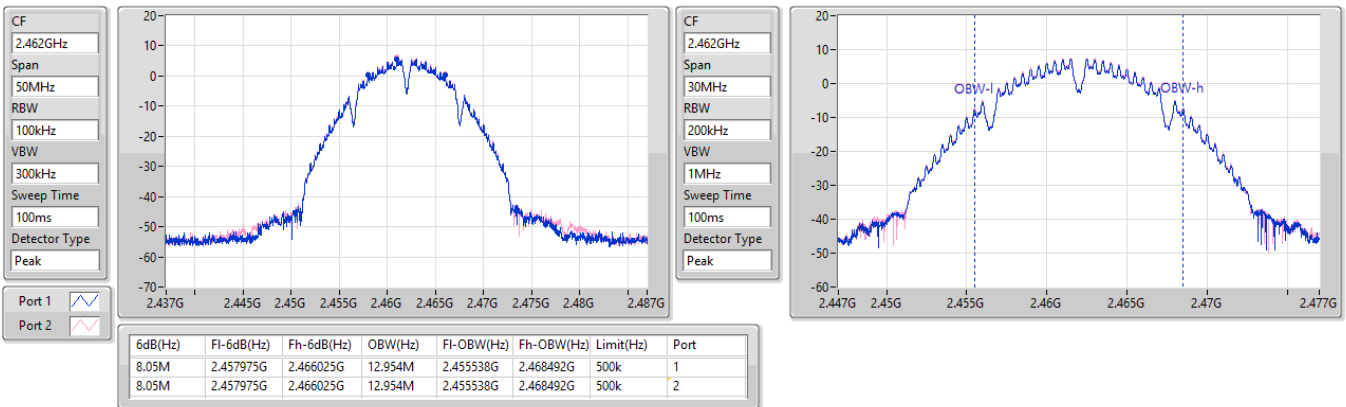


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

31/07/2023

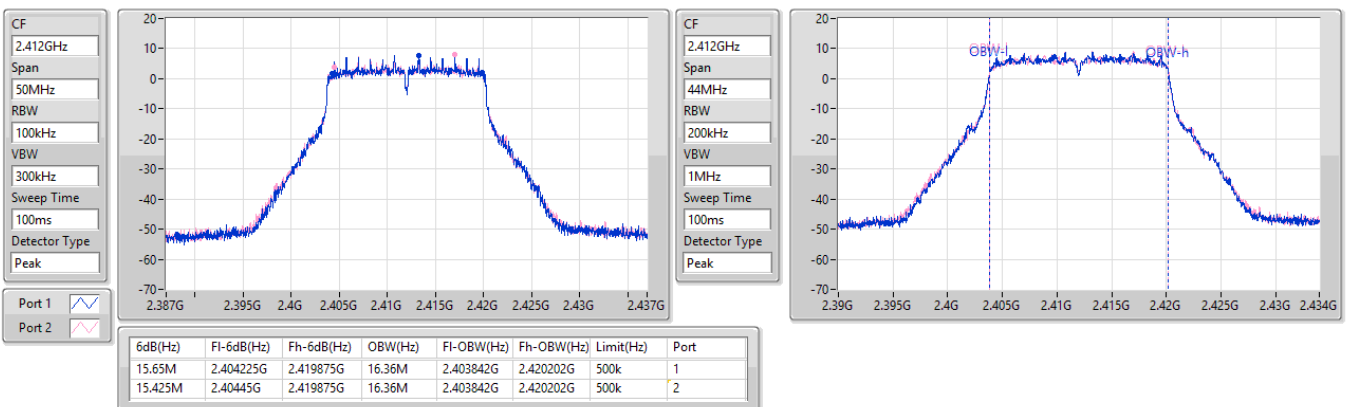


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

31/07/2023

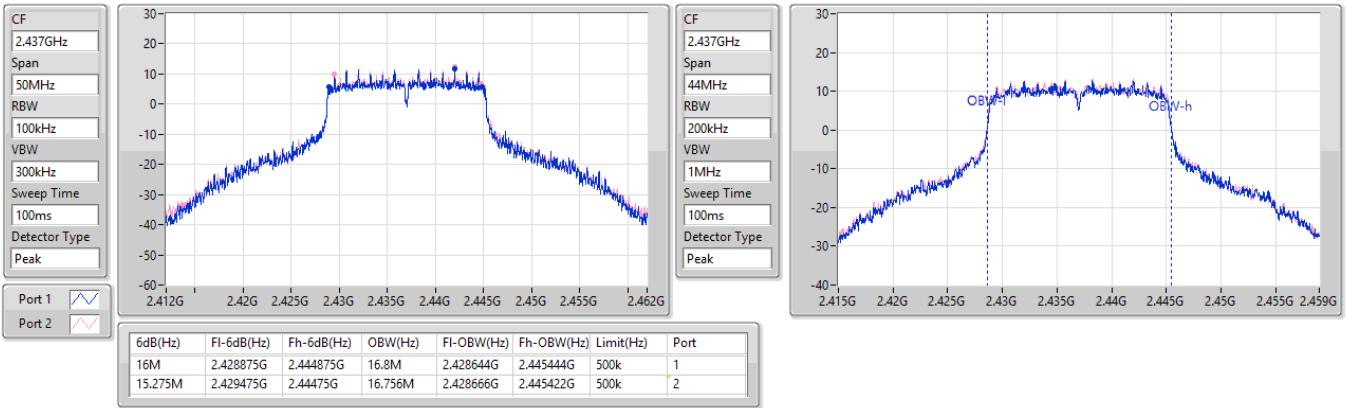


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

31/07/2023

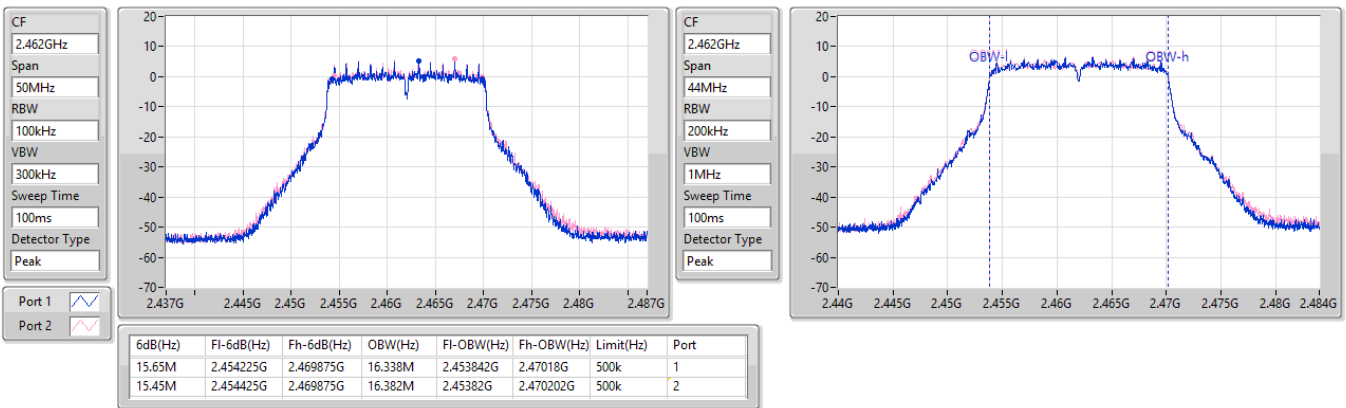


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

31/07/2023

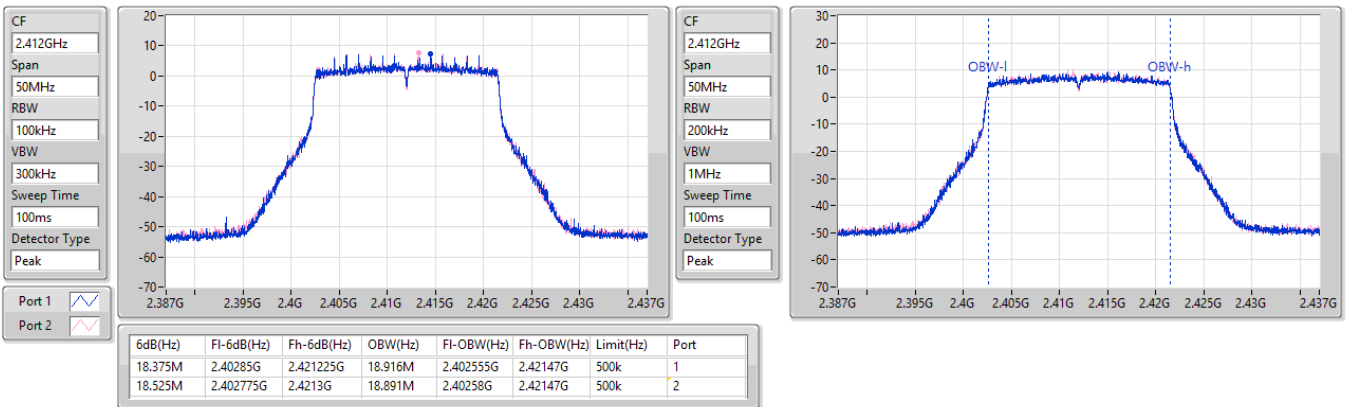


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

31/07/2023

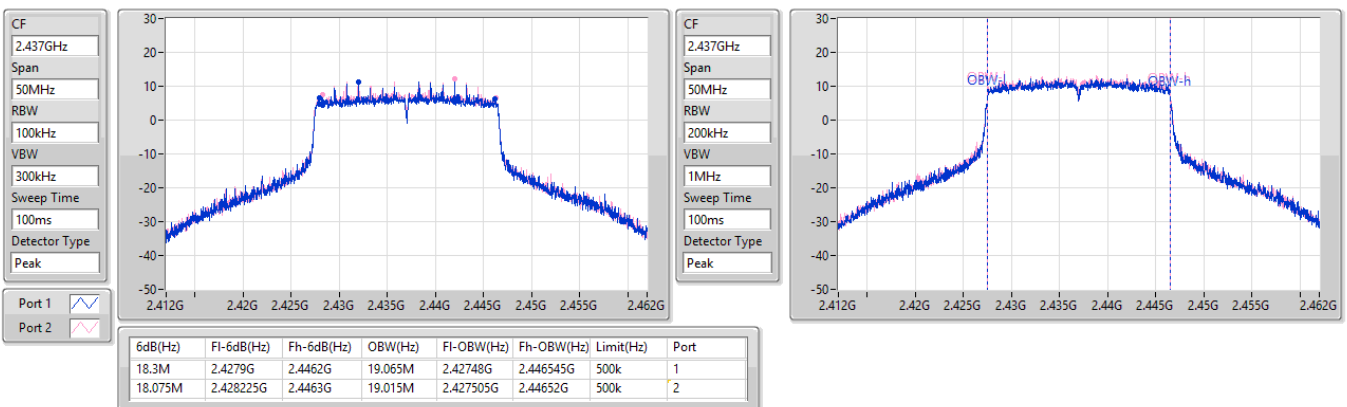


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

31/07/2023

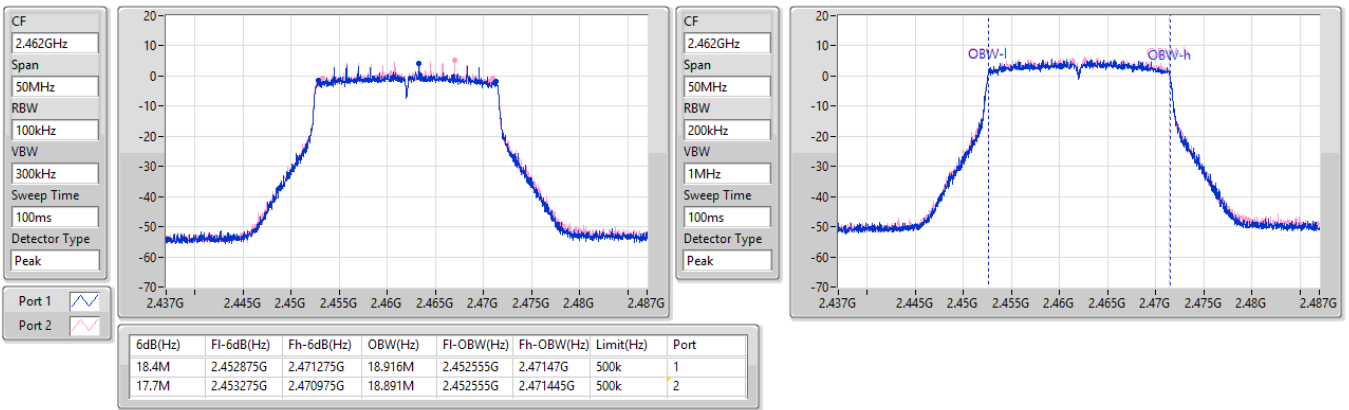


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

31/07/2023

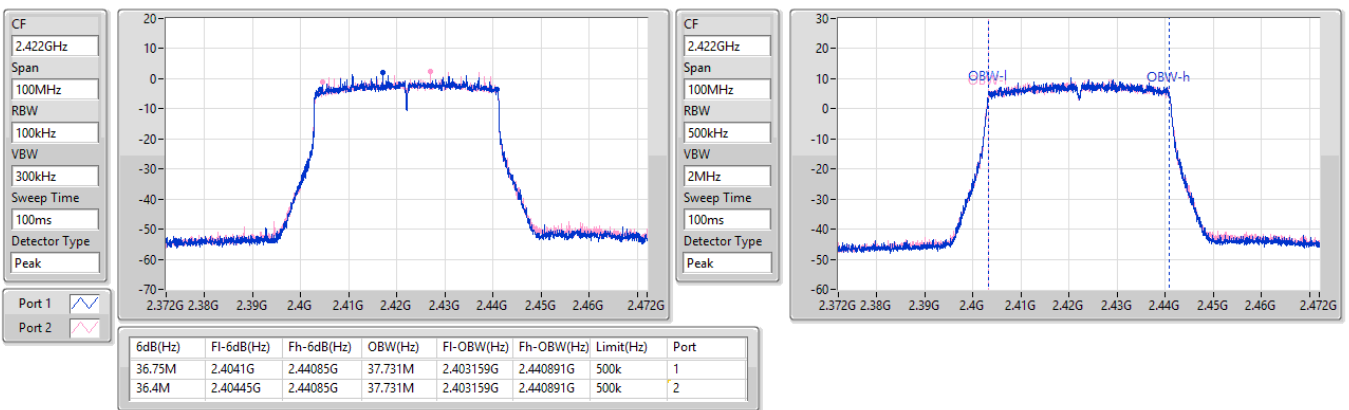


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

31/07/2023

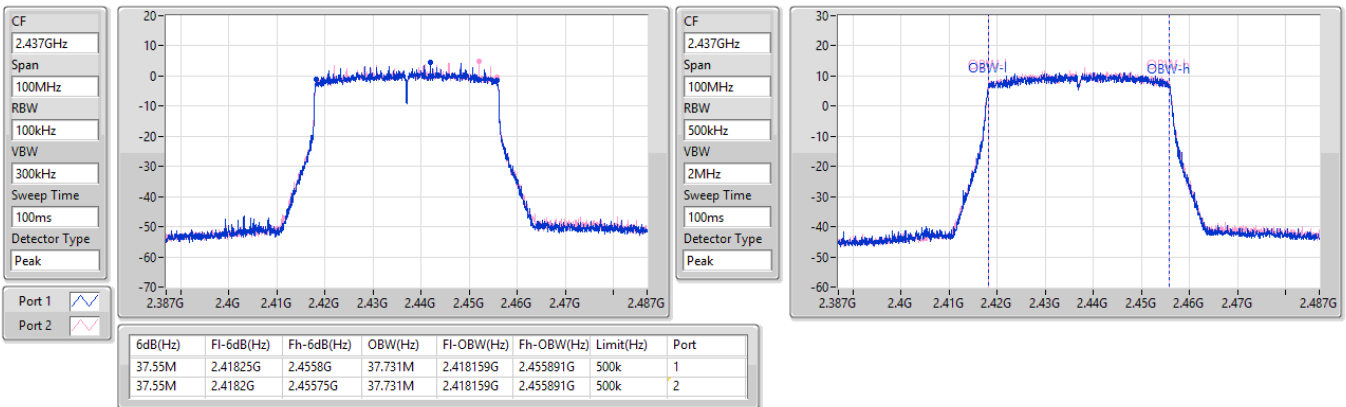


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

31/07/2023

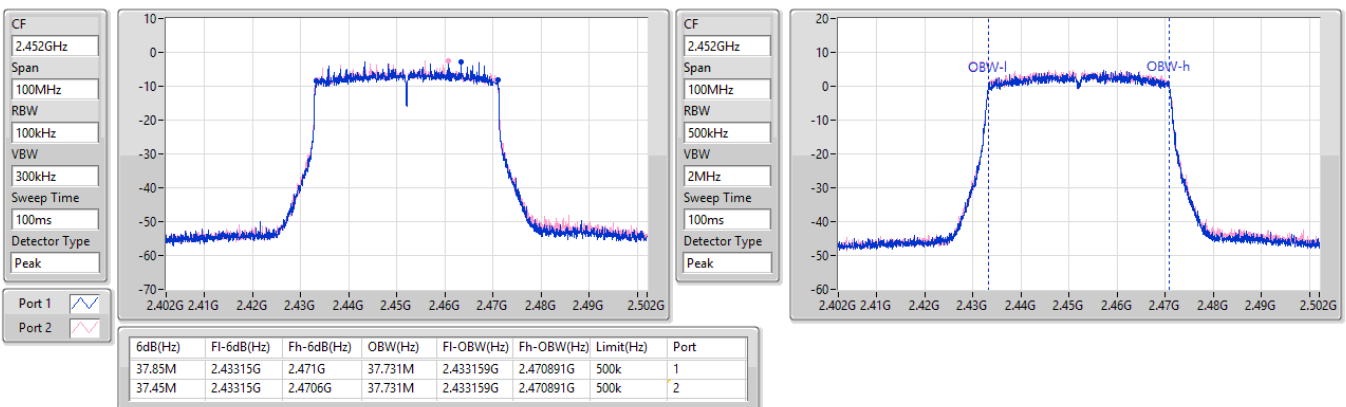


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

31/07/2023





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.51	0.35563
802.11g_Nss1,(6Mbps)_2TX	25.25	0.33497
802.11ax HEW20_Nss1,(MCS0)_2TX	24.81	0.30269
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.81	0.30269
802.11ax HEW40_Nss1,(MCS0)_2TX	21.56	0.14322
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.56	0.14322

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.83	21.88	22.27	25.09	30.00
2437MHz	Pass	2.83	22.27	22.72	25.51	30.00
2462MHz	Pass	2.83	21.88	22.33	25.12	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.83	18.88	18.83	21.87	30.00
2417MHz	Pass	2.83	19.82	19.99	22.92	30.00
2437MHz	Pass	2.83	22.05	22.43	25.25	30.00
2457MHz	Pass	2.83	20.23	20.71	23.49	30.00
2462MHz	Pass	2.83	19.31	19.67	22.50	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.83	18.23	18.32	21.29	30.00
2417MHz	Pass	2.83	20.28	20.46	23.38	30.00
2437MHz	Pass	2.83	21.54	22.04	24.81	30.00
2457MHz	Pass	2.83	19.18	19.53	22.37	30.00
2462MHz	Pass	2.83	18.67	19.10	21.90	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.83	17.52	17.85	20.70	30.00
2437MHz	Pass	2.83	18.43	18.66	21.56	30.00
2452MHz	Pass	2.83	17.11	17.40	20.27	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.68	18.23	18.32	21.29	30.00
2417MHz	Pass	5.68	20.28	20.46	23.38	30.00
2437MHz	Pass	5.68	21.54	22.04	24.81	30.00
2457MHz	Pass	5.68	19.18	19.53	22.37	30.00
2462MHz	Pass	5.68	18.67	19.10	21.90	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.68	17.52	17.85	20.70	30.00
2437MHz	Pass	5.68	18.43	18.66	21.56	30.00
2452MHz	Pass	5.68	17.11	17.40	20.27	30.00

DG = Directional Gain; Port X = Port X output power



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.47	0.27990
802.11g_Nss1,(6Mbps)_2TX	24.26	0.26669
802.11ax HEW20_Nss1,(MCS0)_2TX	24.32	0.27040
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.32	0.27040
802.11ax HEW40_Nss1,(MCS0)_2TX	20.95	0.12445
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.95	0.12445



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	20.40	20.54	23.48	24.50
2437MHz	Pass	11.50	21.23	21.67	24.47	24.50
2457MHz	Pass	11.50	15.31	15.64	18.49	24.50
2462MHz	Pass	11.50	14.78	15.22	18.02	24.50
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	17.82	17.84	20.84	24.50
2417MHz	Pass	11.50	18.70	18.91	21.82	24.50
2437MHz	Pass	11.50	21.07	21.42	24.26	24.50
2457MHz	Pass	11.50	18.29	18.60	21.46	24.50
2462MHz	Pass	11.50	15.25	15.59	18.43	24.50
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	17.27	17.44	20.37	24.50
2417MHz	Pass	11.50	18.27	18.52	21.41	24.50
2437MHz	Pass	11.50	21.10	21.51	24.32	24.50
2457MHz	Pass	11.50	16.21	16.40	19.32	24.50
2462MHz	Pass	11.50	14.17	14.49	17.34	24.50
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.50	15.64	15.66	18.66	24.50
2437MHz	Pass	11.50	17.85	18.02	20.95	24.50
2447MHz	Pass	11.50	13.17	13.41	16.30	24.50
2452MHz	Pass	11.50	11.04	11.37	14.22	24.50
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	17.27	17.44	20.37	24.50
2417MHz	Pass	11.50	18.27	18.52	21.41	24.50
2437MHz	Pass	11.50	21.10	21.51	24.32	24.50
2457MHz	Pass	11.50	16.21	16.40	19.32	24.50
2462MHz	Pass	11.50	14.17	14.49	17.34	24.50
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.50	15.64	15.66	18.66	24.50
2437MHz	Pass	11.50	17.85	18.02	20.95	24.50
2447MHz	Pass	11.50	13.17	13.41	16.30	24.50
2452MHz	Pass	11.50	11.04	11.37	14.22	24.50

DG = Directional Gain; Port X = Port X output power



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.11
802.11g_Nss1,(6Mbps)_2TX	-3.10
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.69
802.11ax HEW40_Nss1,(MCS0)_2TX	-7.82

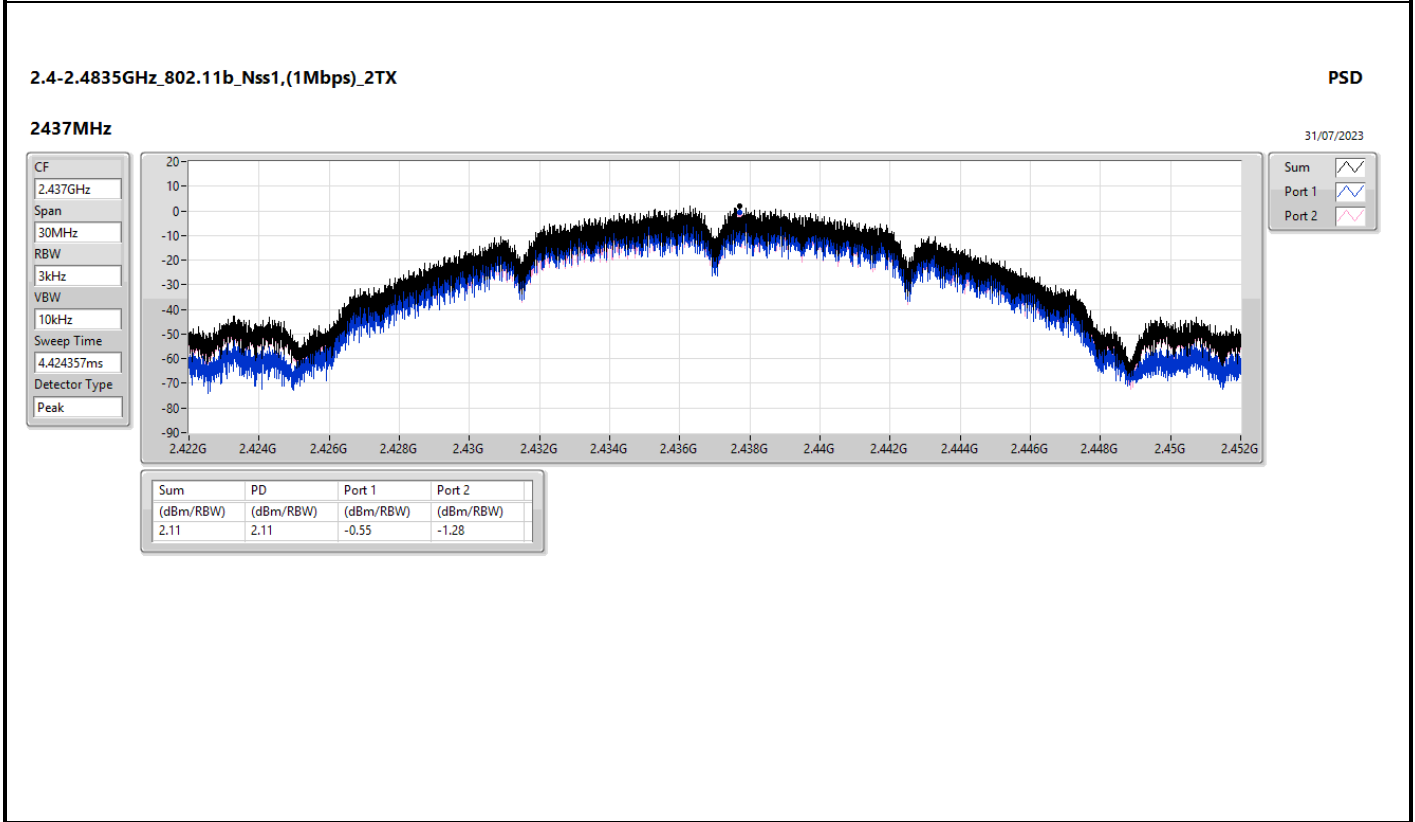
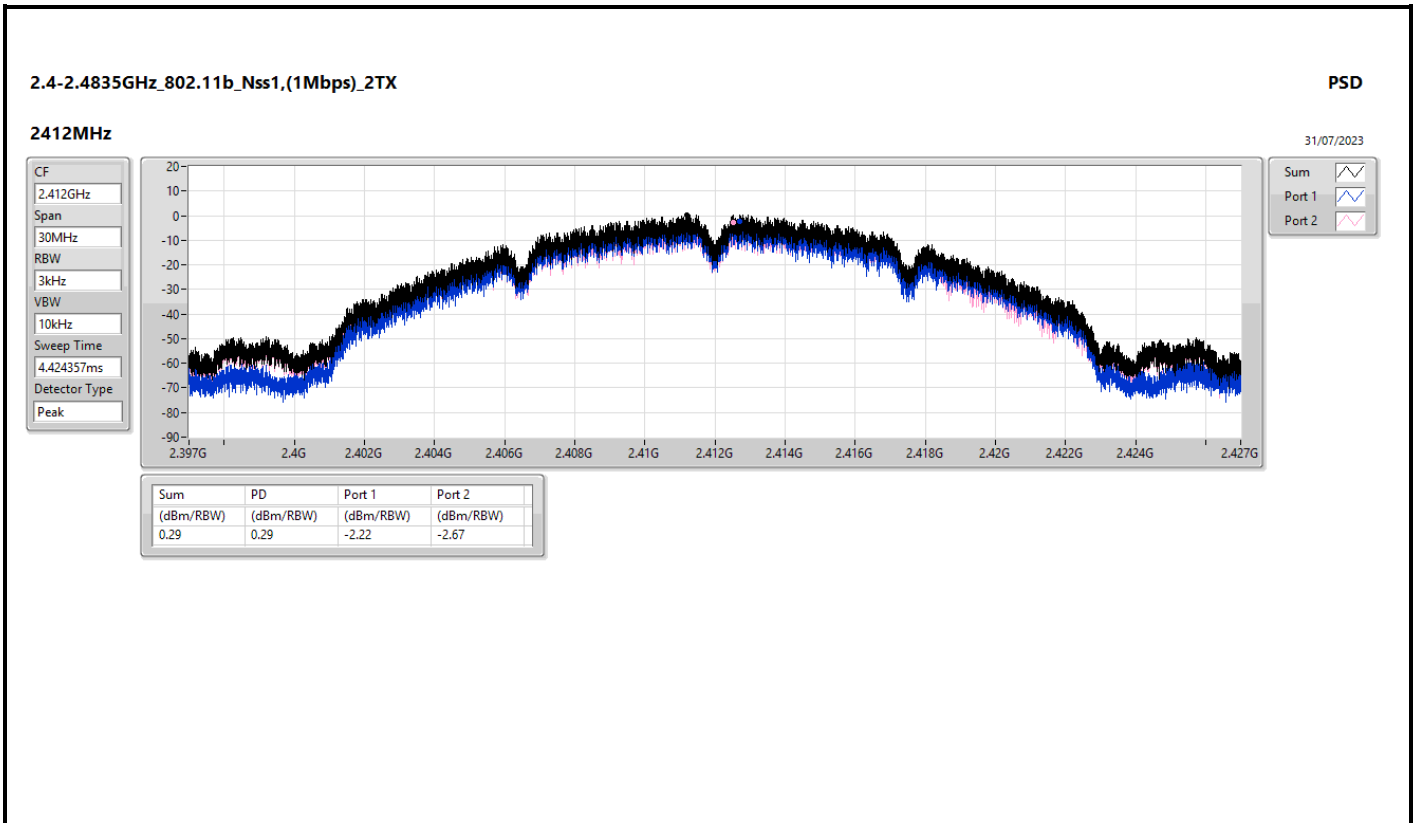
RBW = 3kHz;

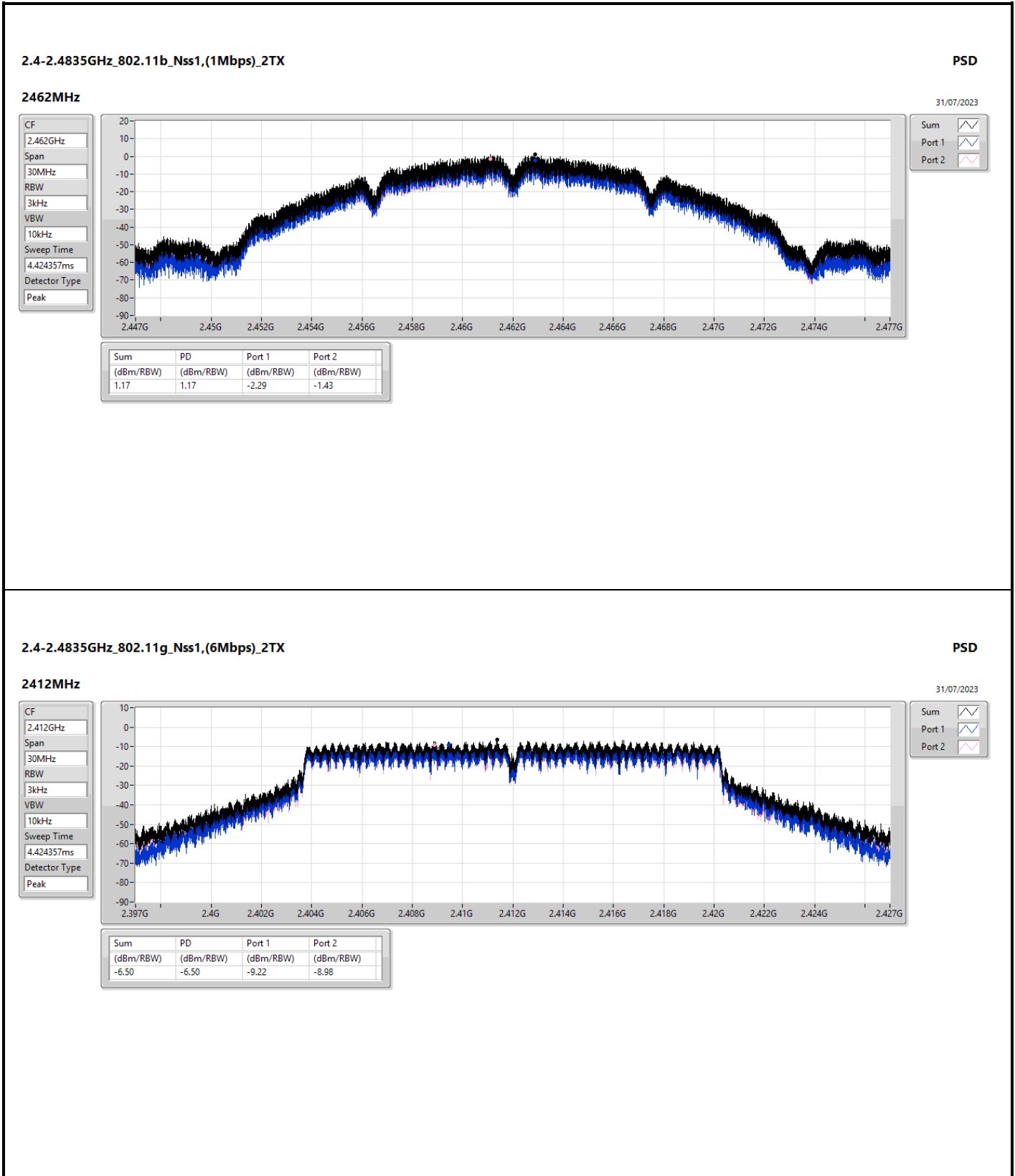


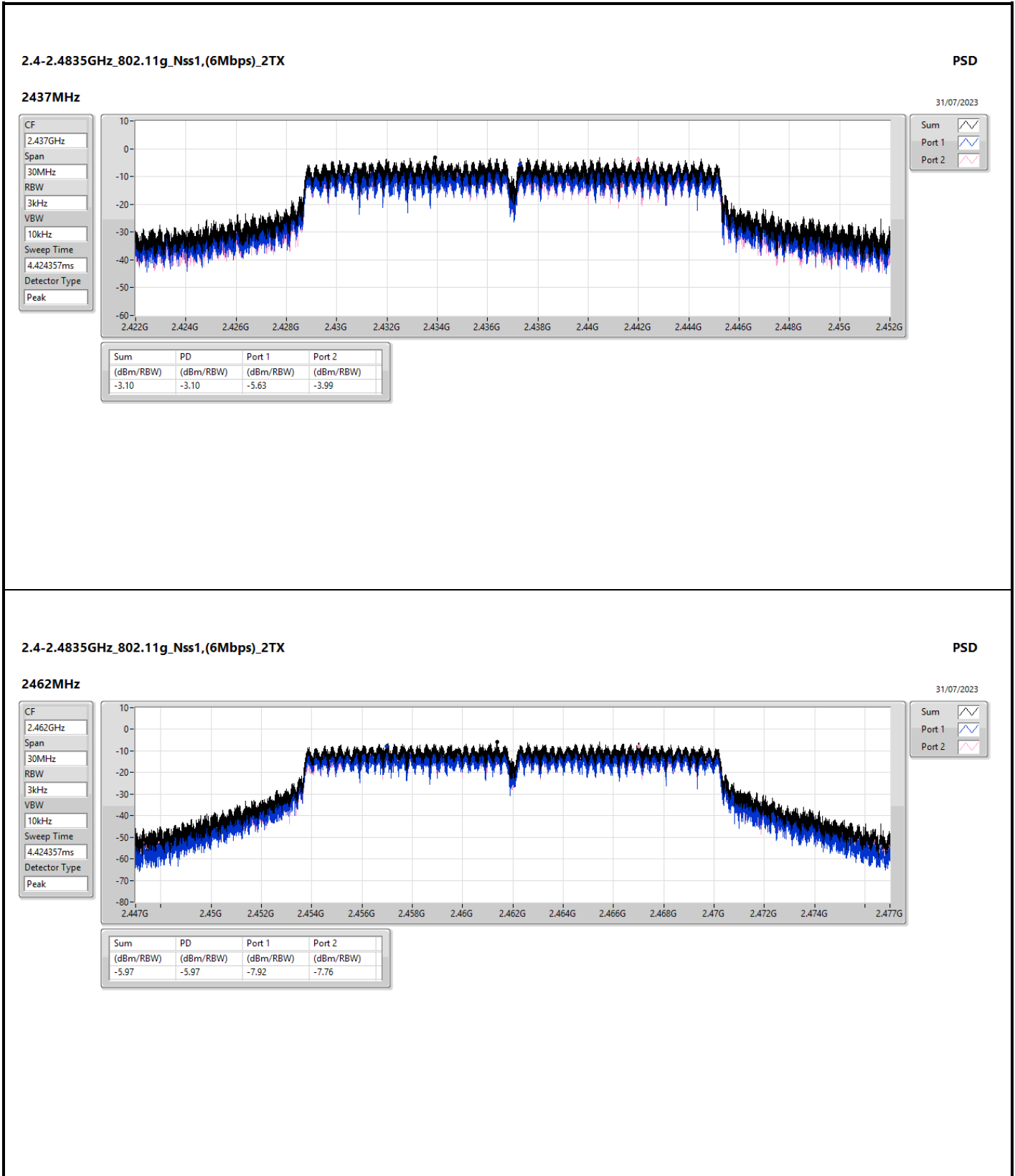
Result

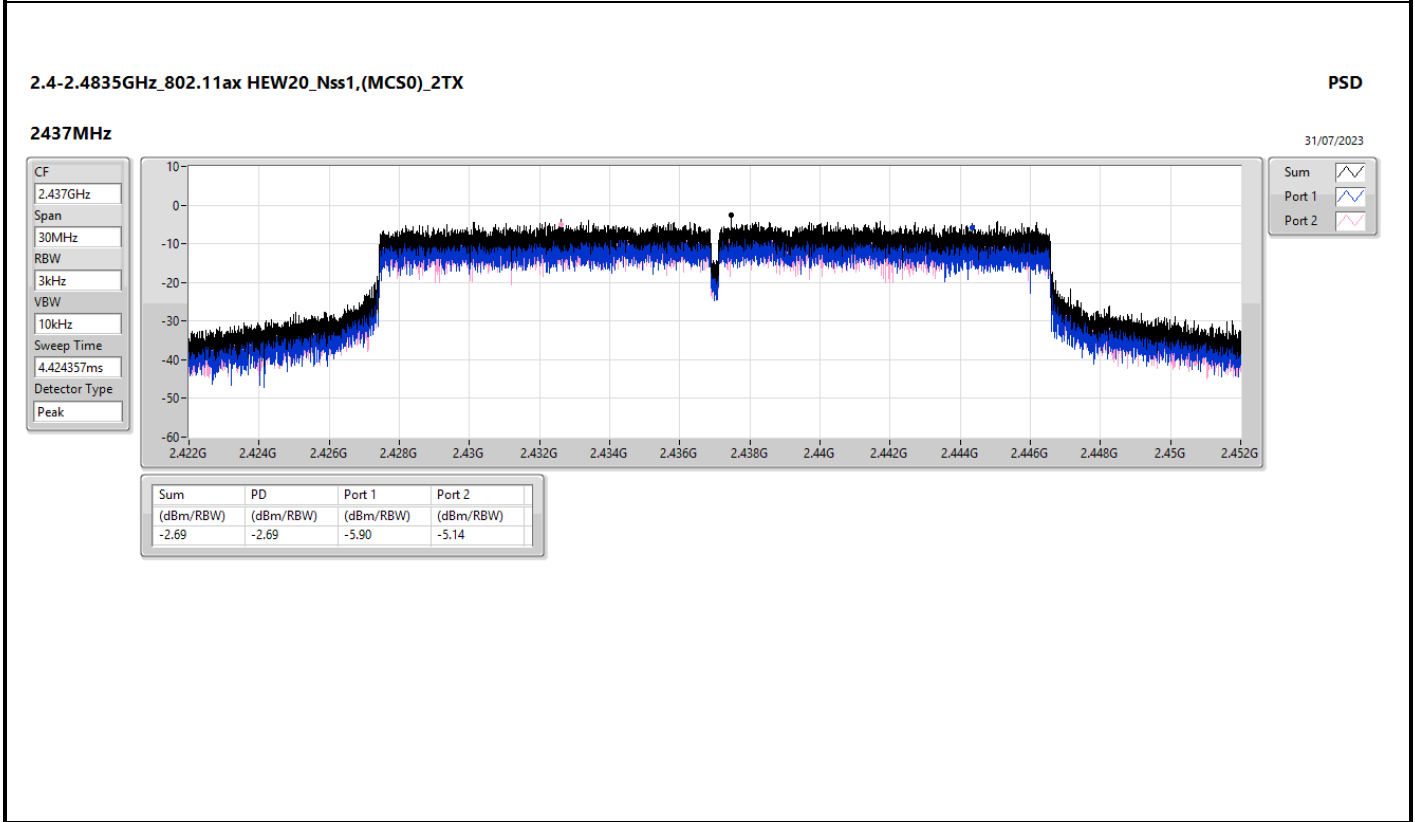
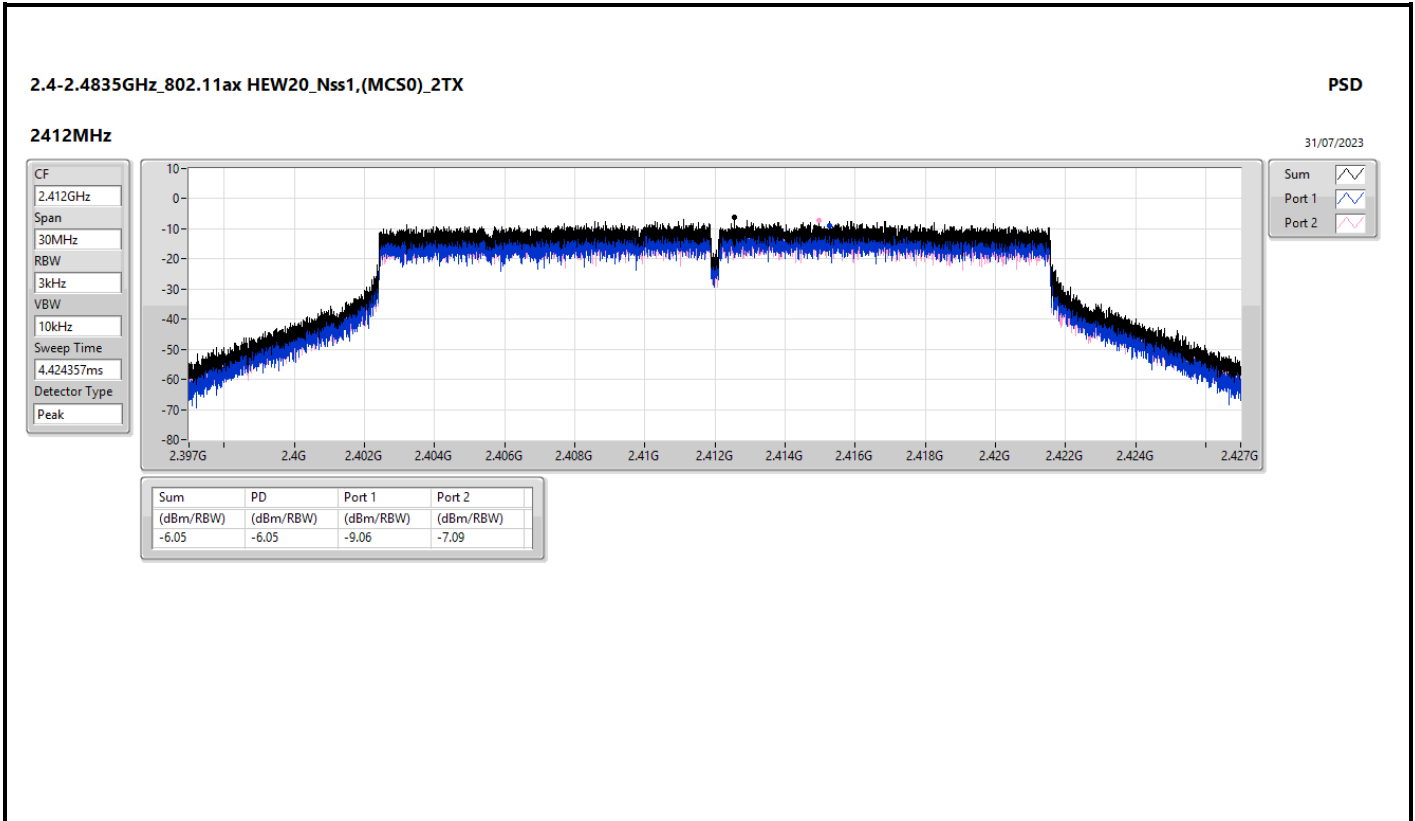
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.68	-2.22	-2.67	0.29	8.00
2462MHz	Pass	5.68	-2.29	-1.43	1.17	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.68	-9.22	-8.98	-6.50	8.00
2437MHz	Pass	5.68	-5.63	-3.99	-3.10	8.00
2462MHz	Pass	5.68	-7.92	-7.76	-5.97	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.68	-9.06	-7.09	-6.05	8.00
2437MHz	Pass	5.68	-5.90	-5.14	-2.69	8.00
2462MHz	Pass	5.68	-8.22	-8.16	-6.15	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.68	-11.66	-10.80	-9.54	8.00
2437MHz	Pass	5.68	-9.77	-10.37	-7.82	8.00
2452MHz	Pass	5.68	-12.27	-12.01	-9.18	8.00

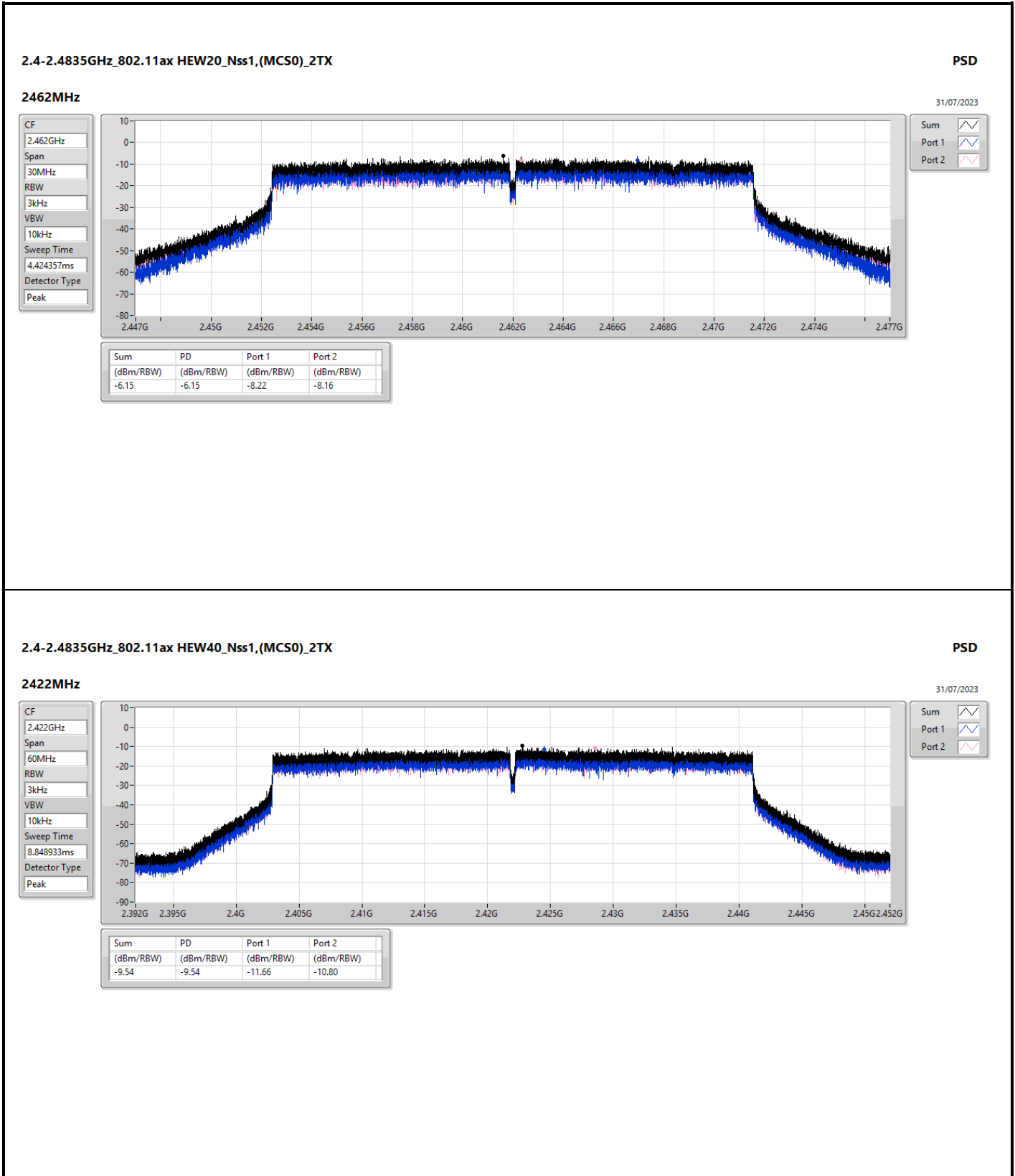
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

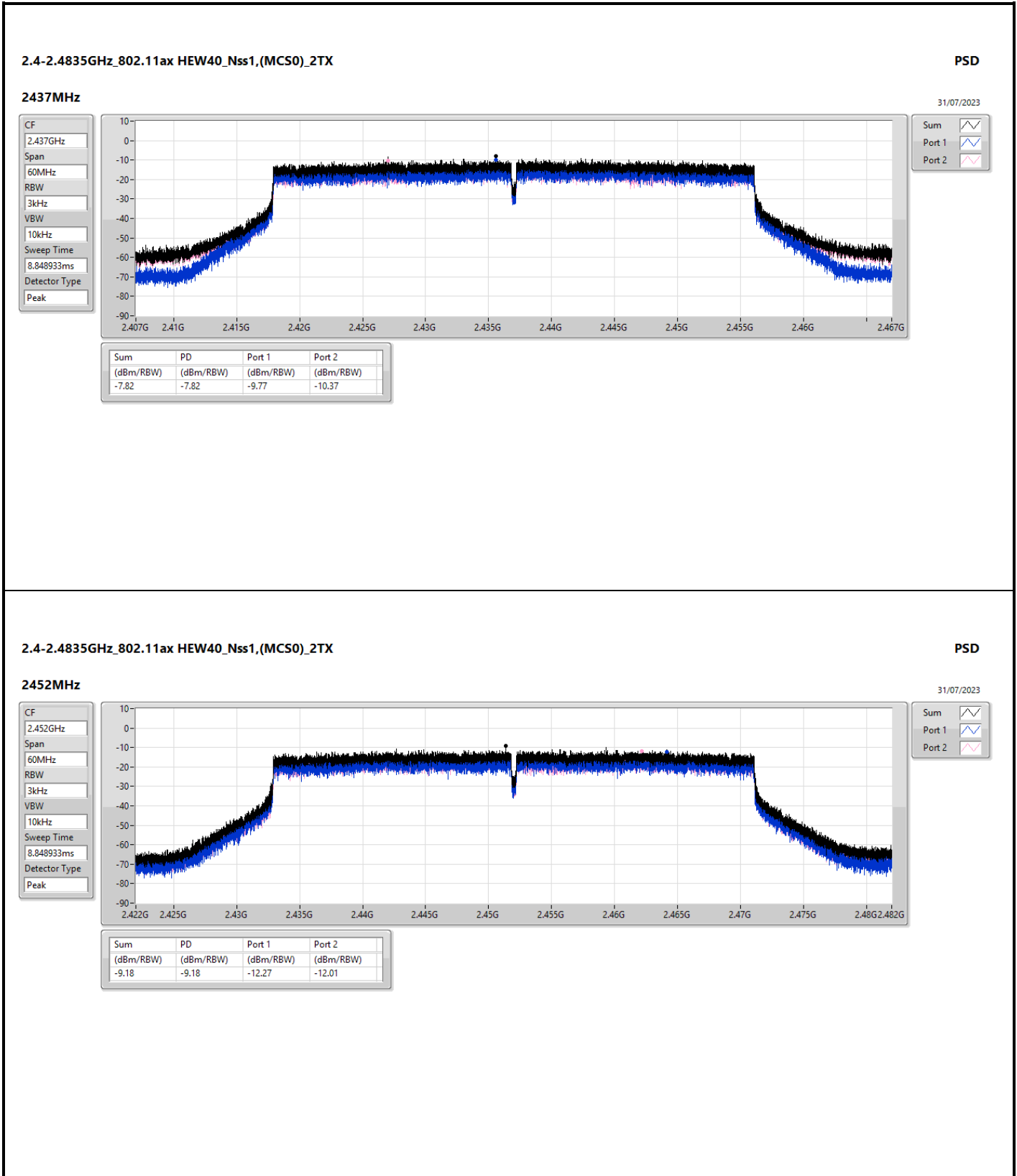














Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-0.43
802.11g_Nss1,(6Mbps)_2TX	-4.14
802.11ax HEW20_Nss1,(MCS0)_2TX	-3.41
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.20

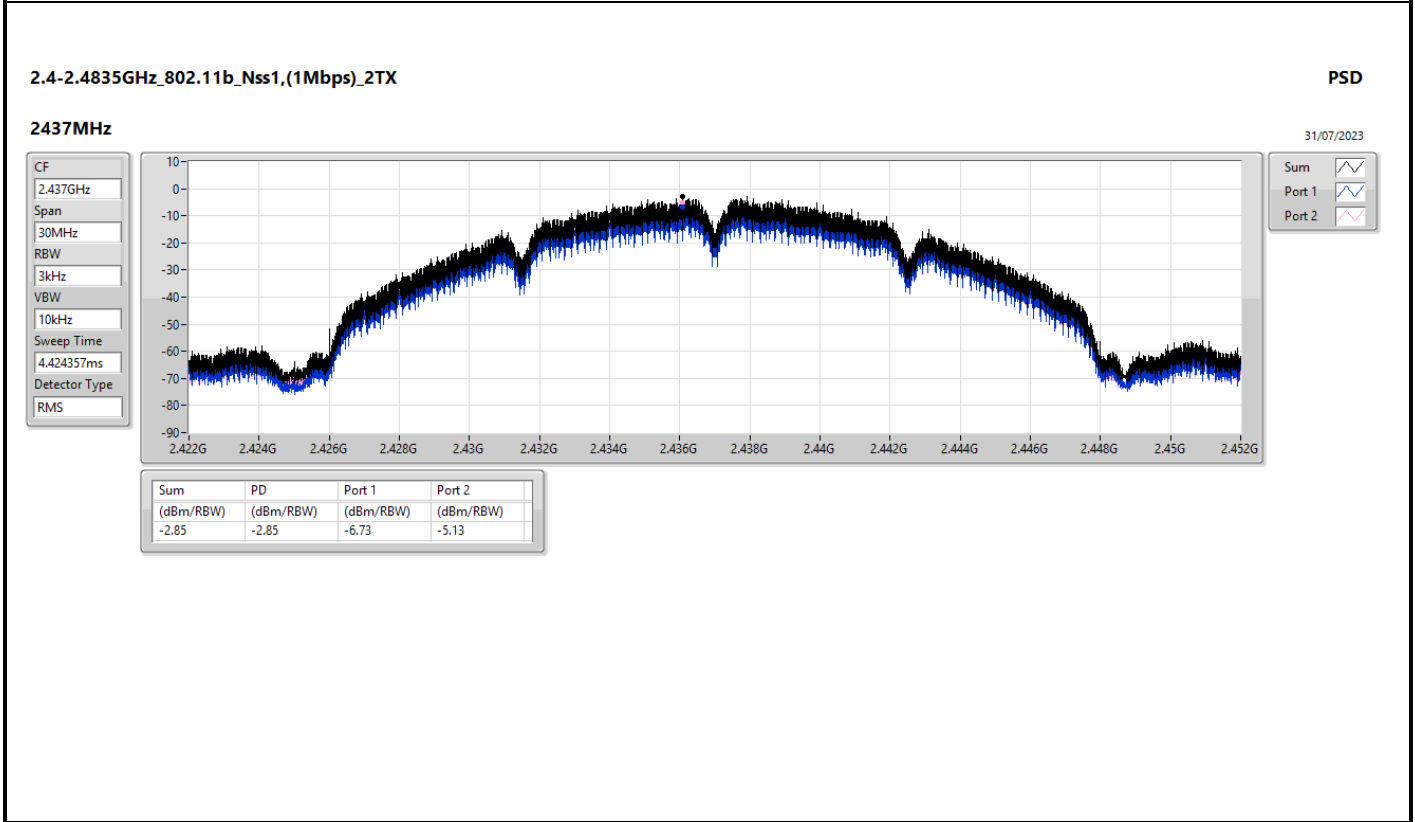
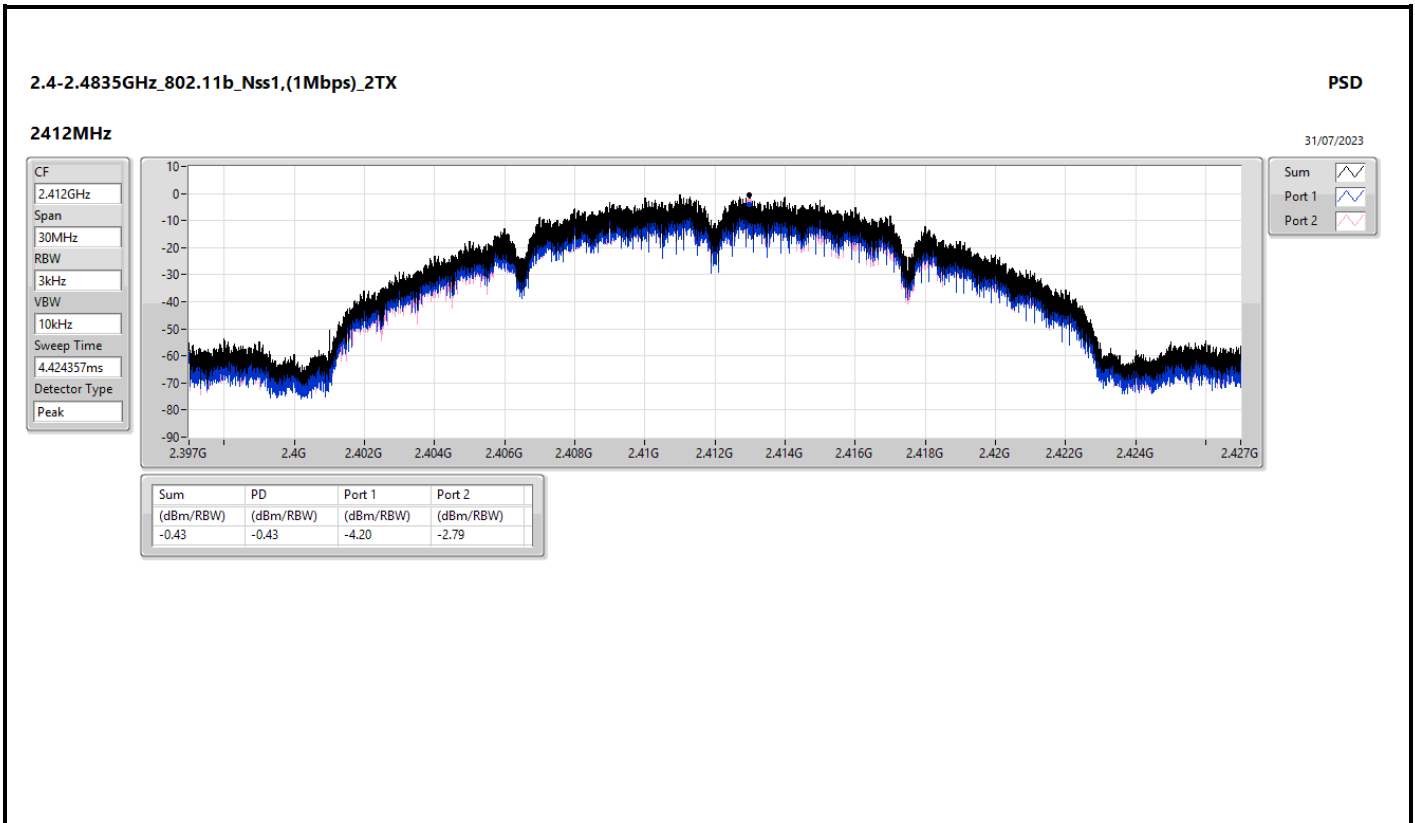
RBW = 3kHz;

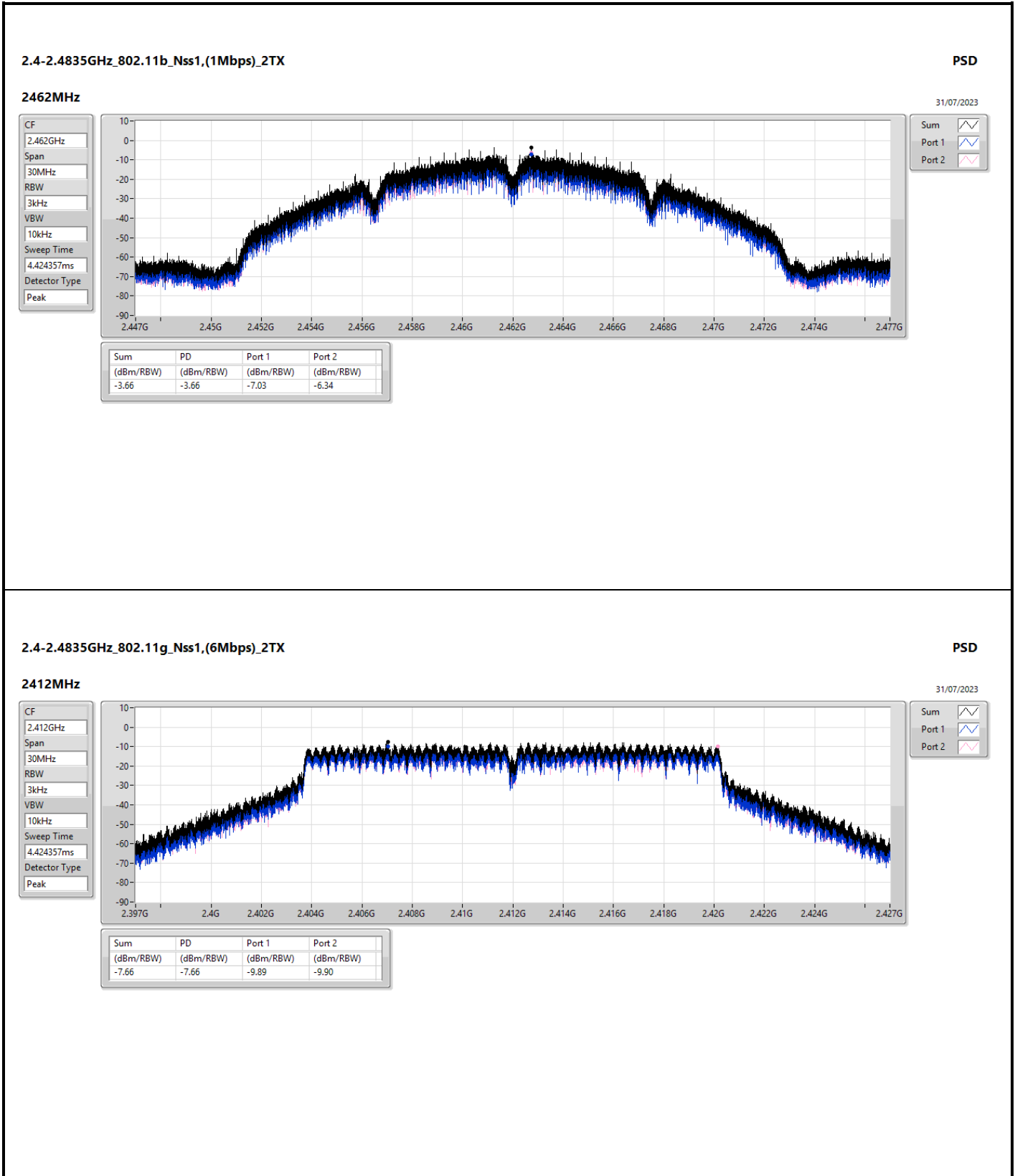


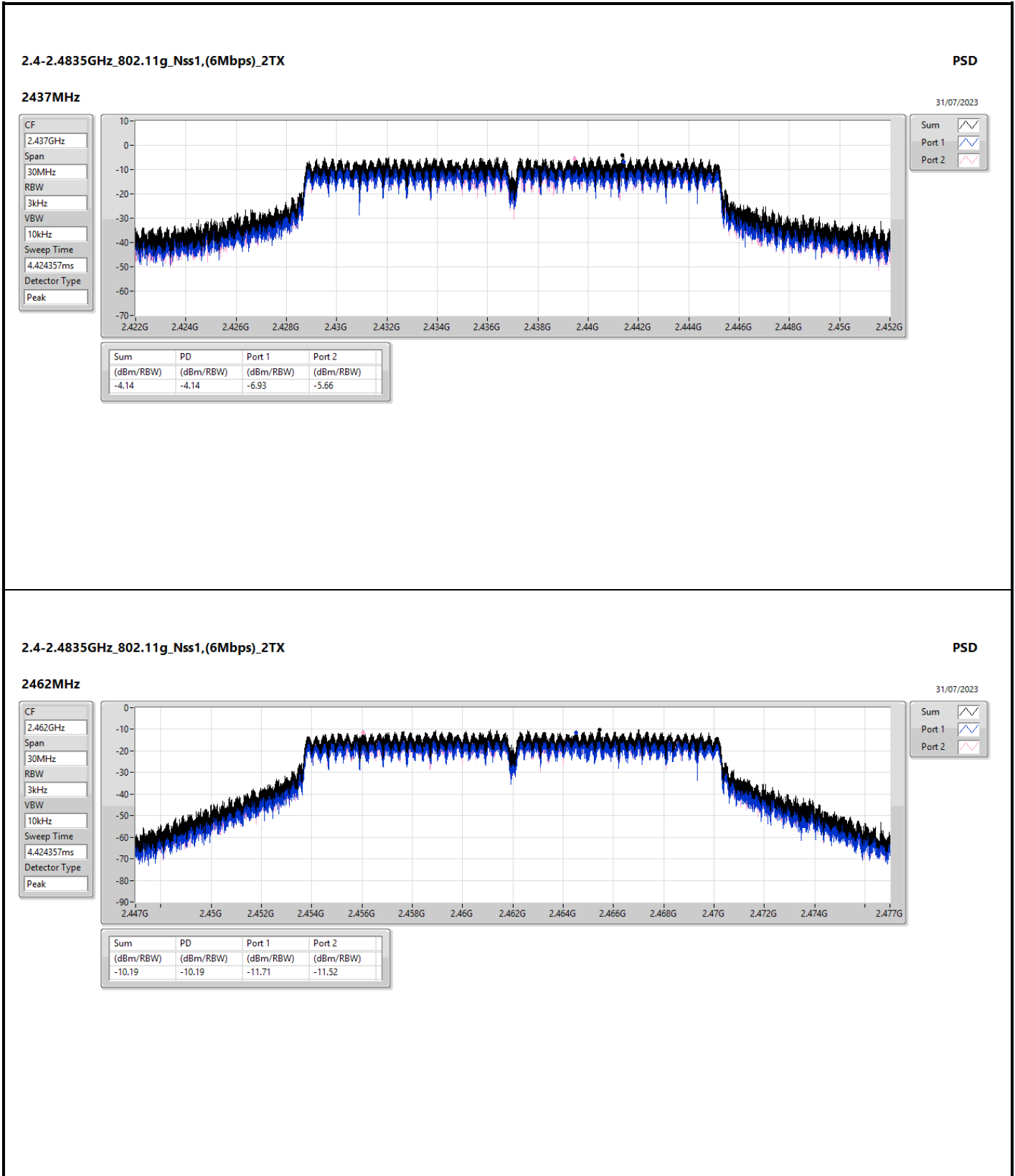
Result

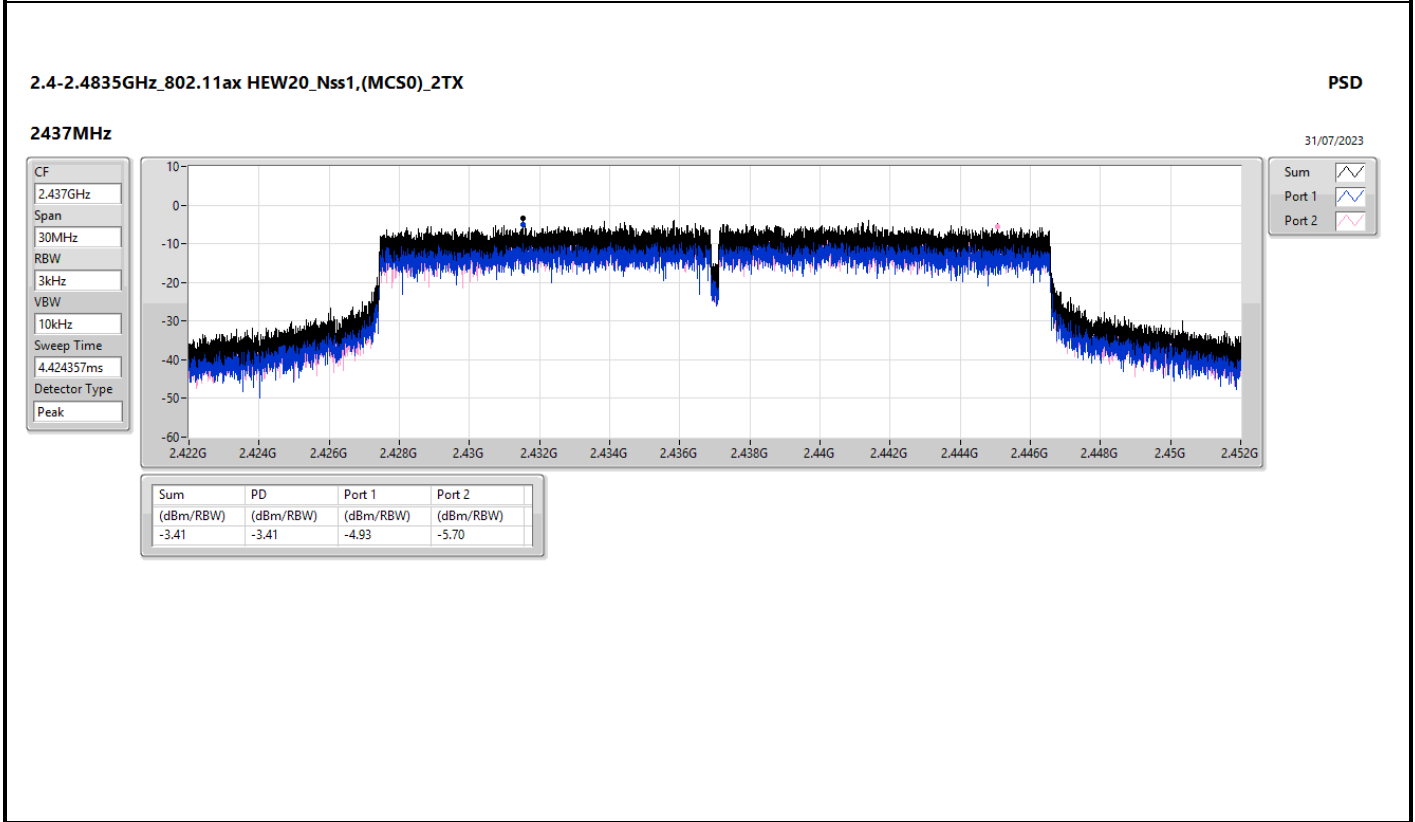
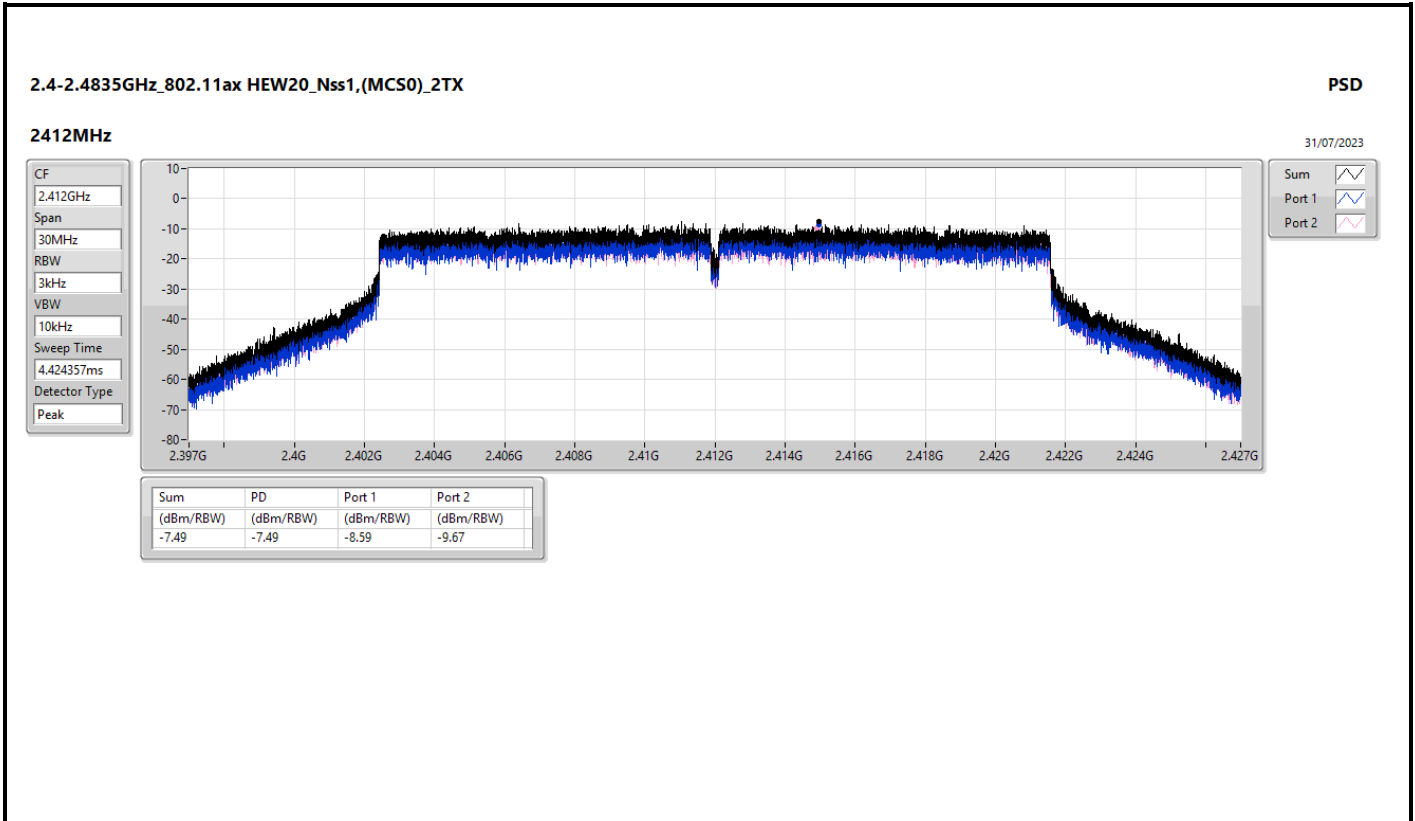
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	-4.20	-2.79	-0.43	2.50
2437MHz	Pass	11.50	-6.73	-5.13	-2.85	2.50
2462MHz	Pass	11.50	-7.03	-6.34	-3.66	2.50
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	-9.89	-9.90	-7.66	2.50
2437MHz	Pass	11.50	-6.93	-5.66	-4.14	2.50
2462MHz	Pass	11.50	-11.71	-11.52	-10.19	2.50
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.50	-8.59	-9.67	-7.49	2.50
2437MHz	Pass	11.50	-4.93	-5.70	-3.41	2.50
2462MHz	Pass	11.50	-12.44	-12.84	-10.07	2.50
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.50	-14.48	-12.91	-11.79	2.50
2437MHz	Pass	11.50	-10.94	-10.09	-9.20	2.50
2452MHz	Pass	11.50	-18.00	-17.47	-16.48	2.50

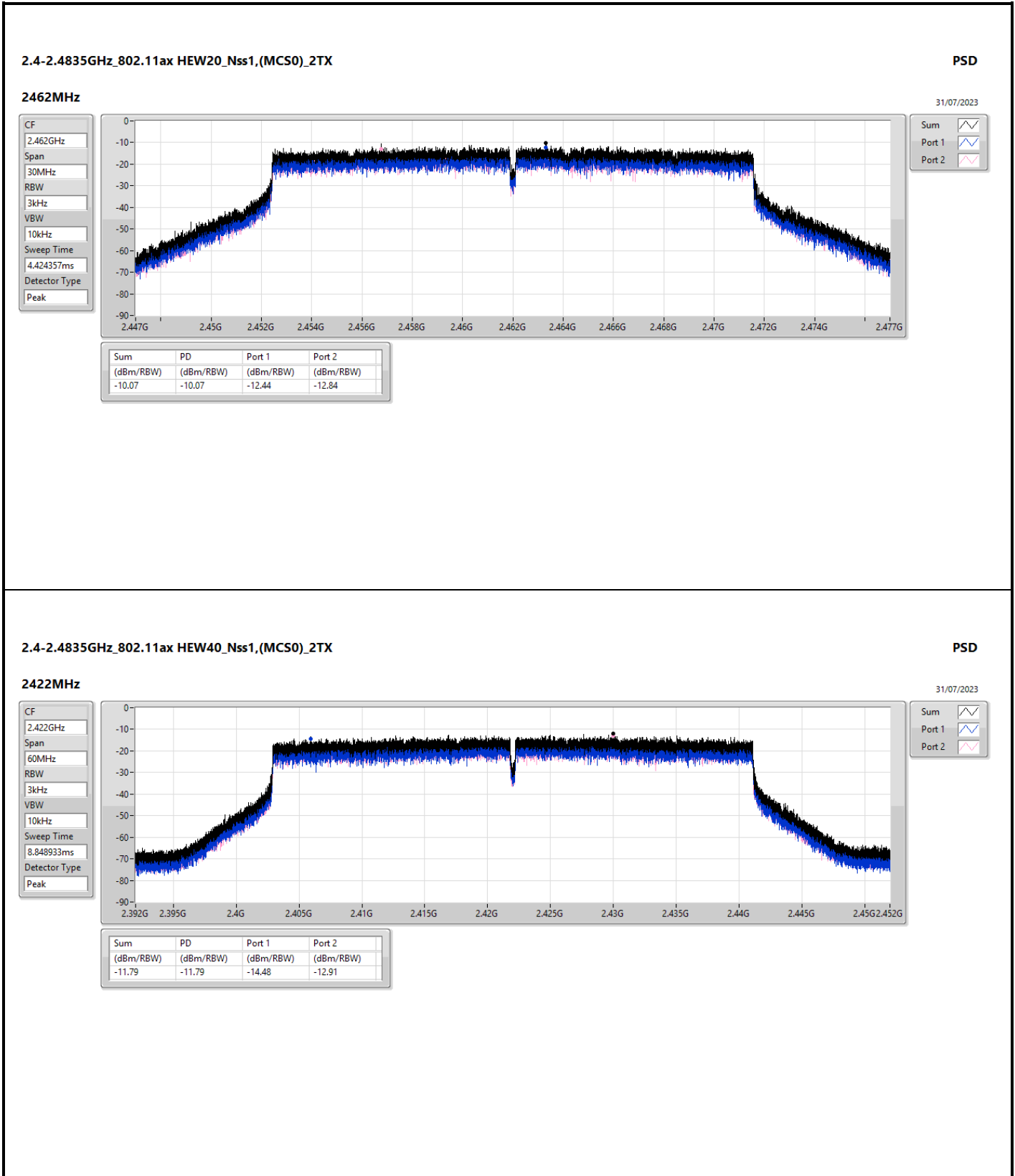
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

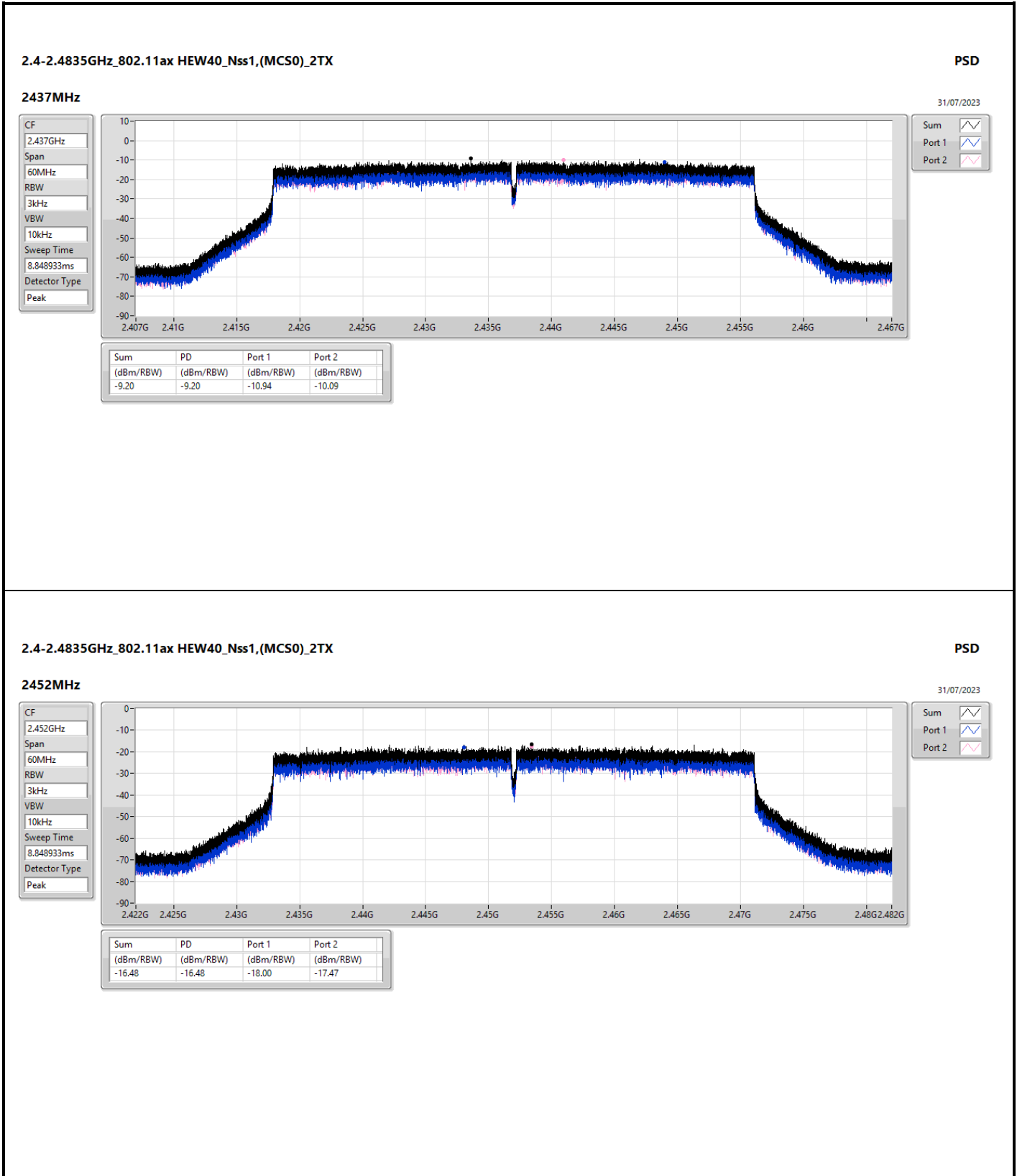














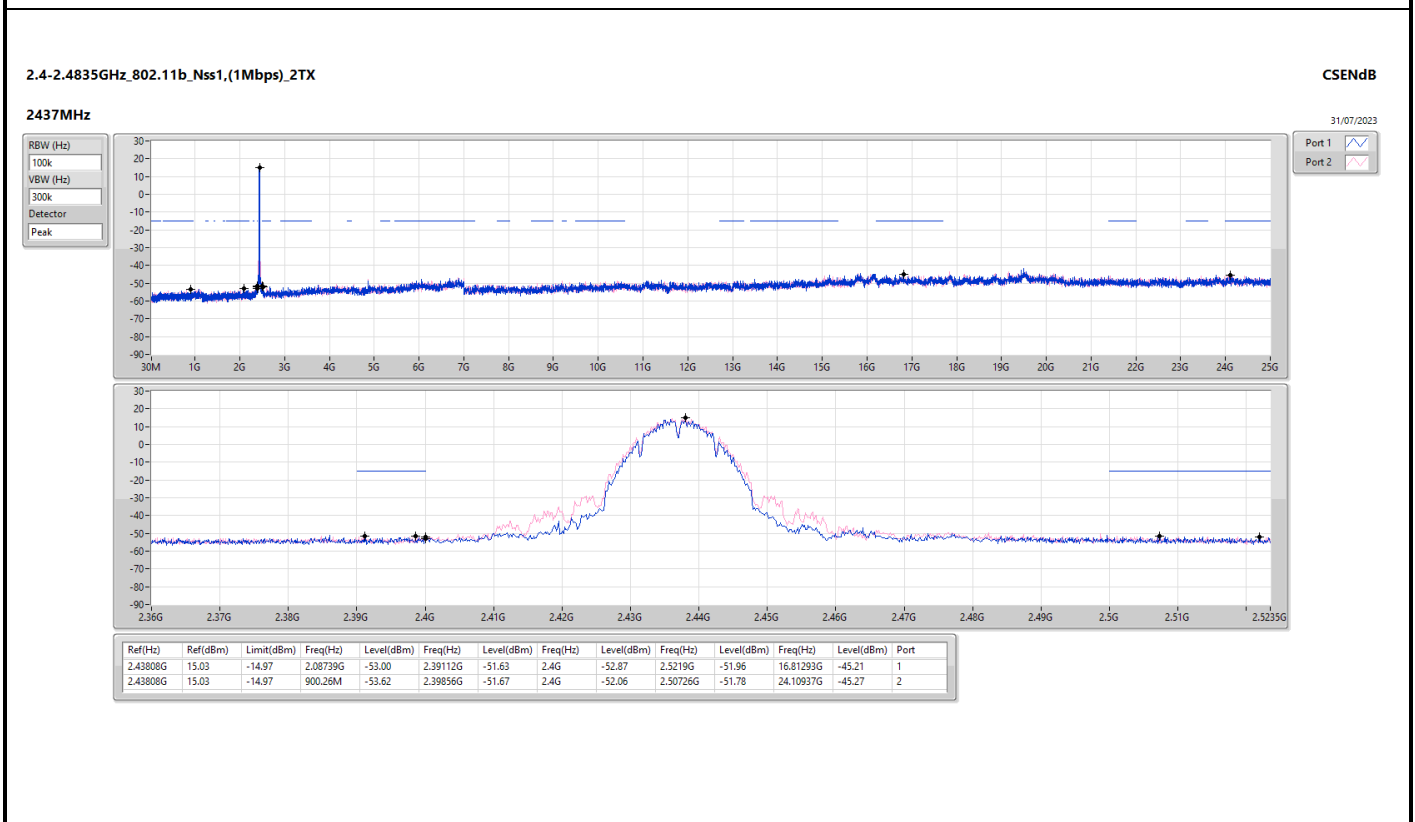
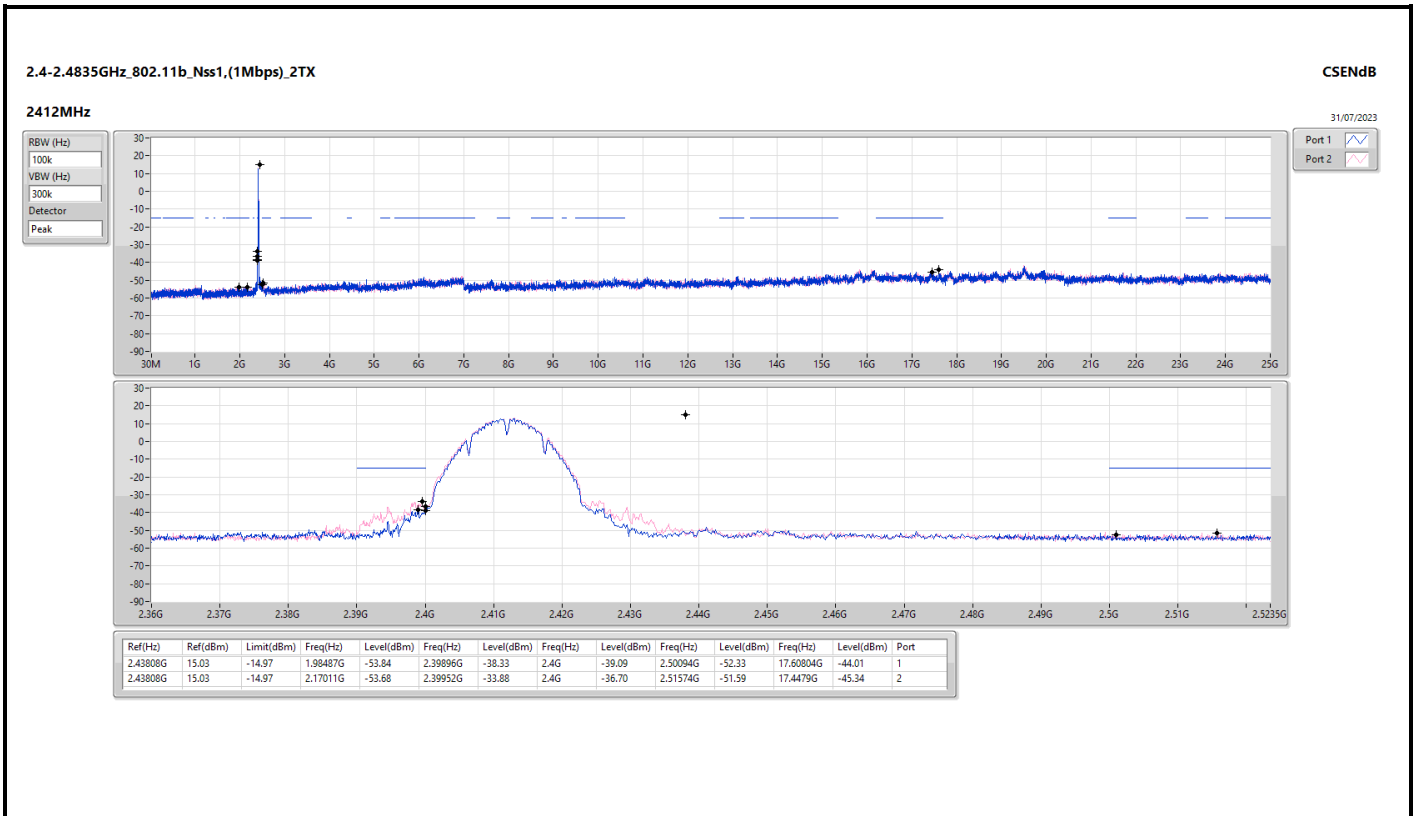
Summary

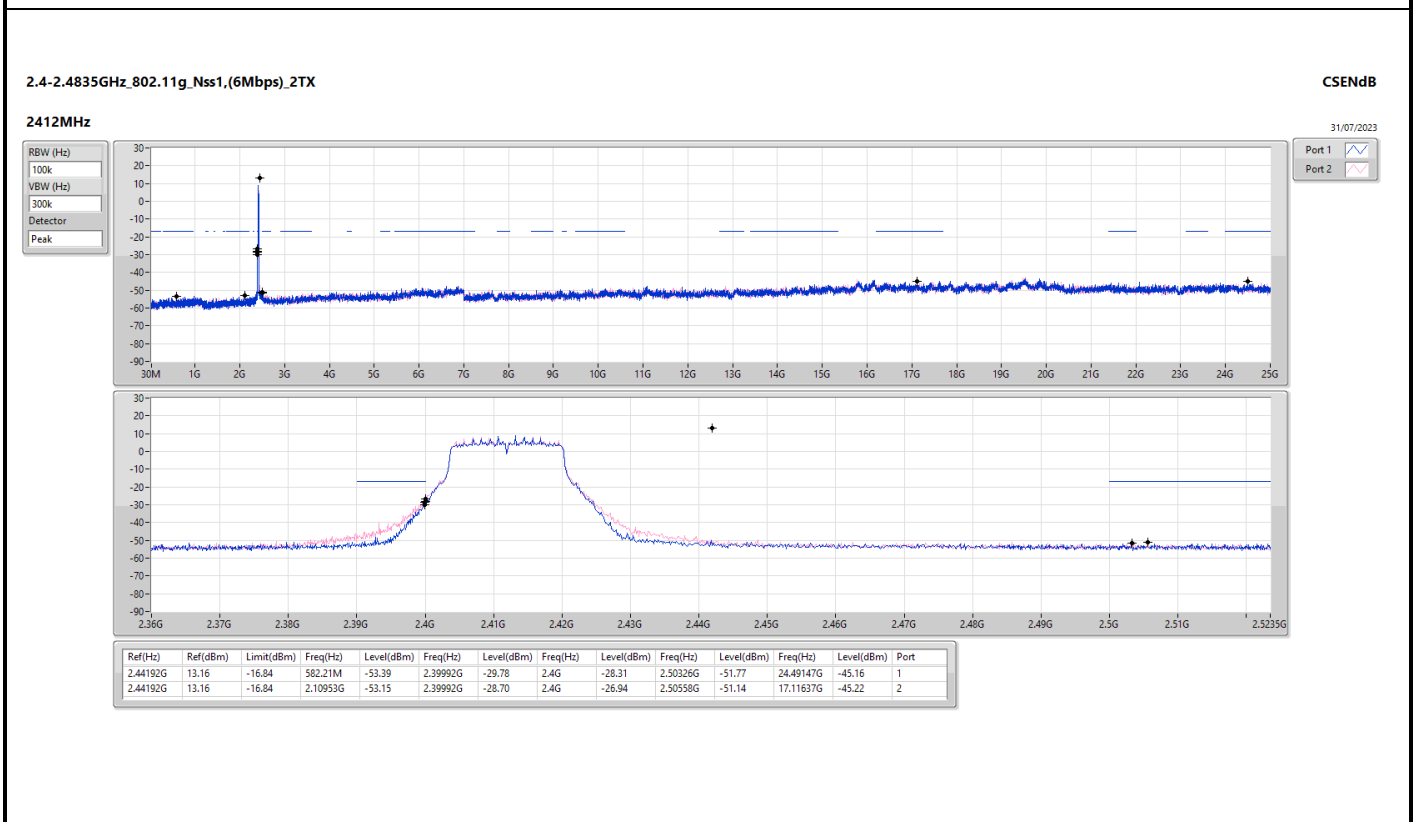
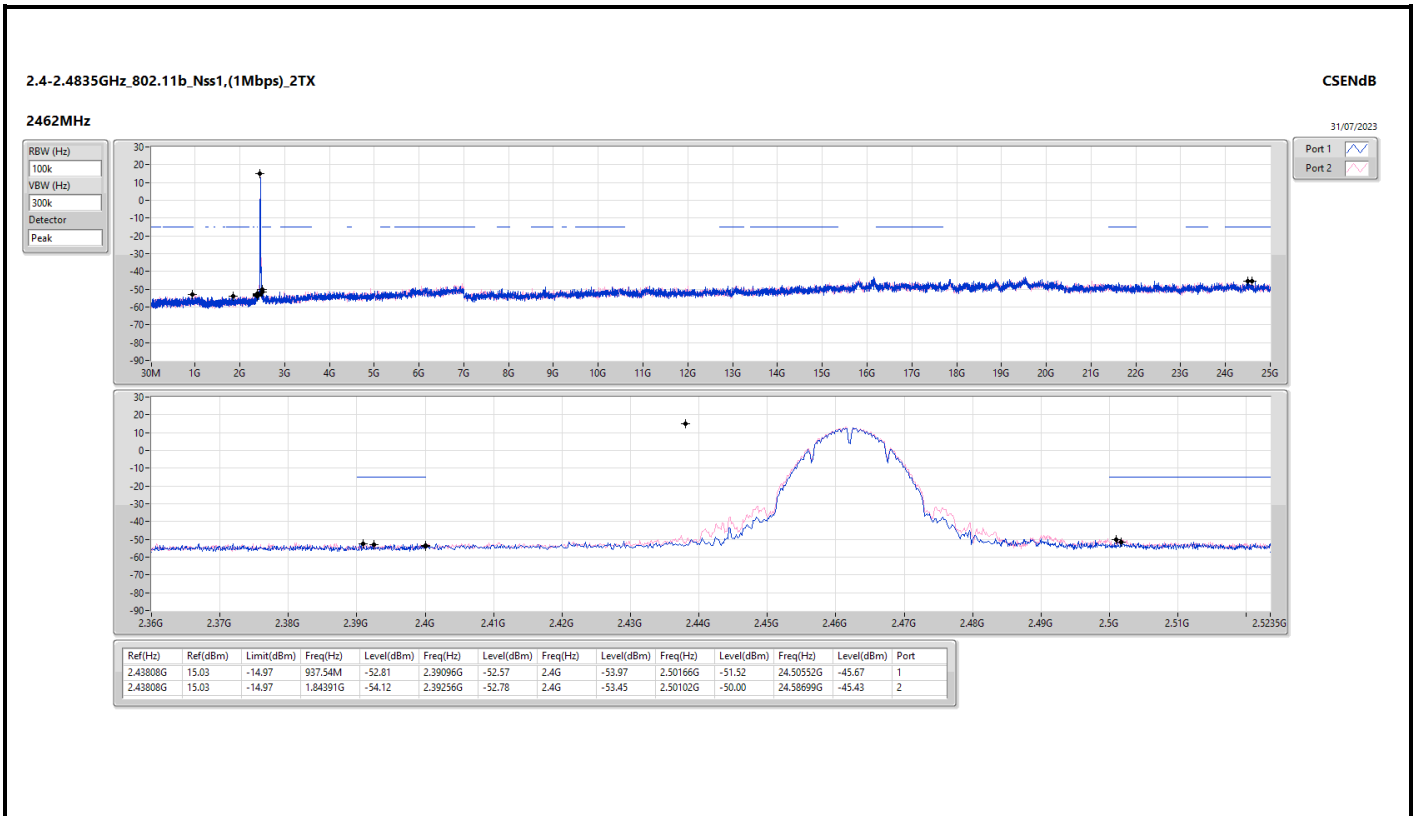
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43808G	15.03	-14.97	2.17011G	-53.68	2.39952G	-33.88	2.4G	-36.70	2.51574G	-51.59	17.4479G	-45.34	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	13.16	-16.84	2.10953G	-53.15	2.39992G	-28.70	2.4G	-26.94	2.50558G	-51.14	17.11637G	-45.22	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44192G	12.98	-17.02	945.69M	-53.46	2.39984G	-26.60	2.4G	-24.67	2.5051G	-51.53	17.61366G	-44.53	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4521G	5.40	-24.60	861.27M	-53.55	2.4G	-33.89	2.4G	-31.86	2.50878G	-51.41	16.30025G	-44.39	1

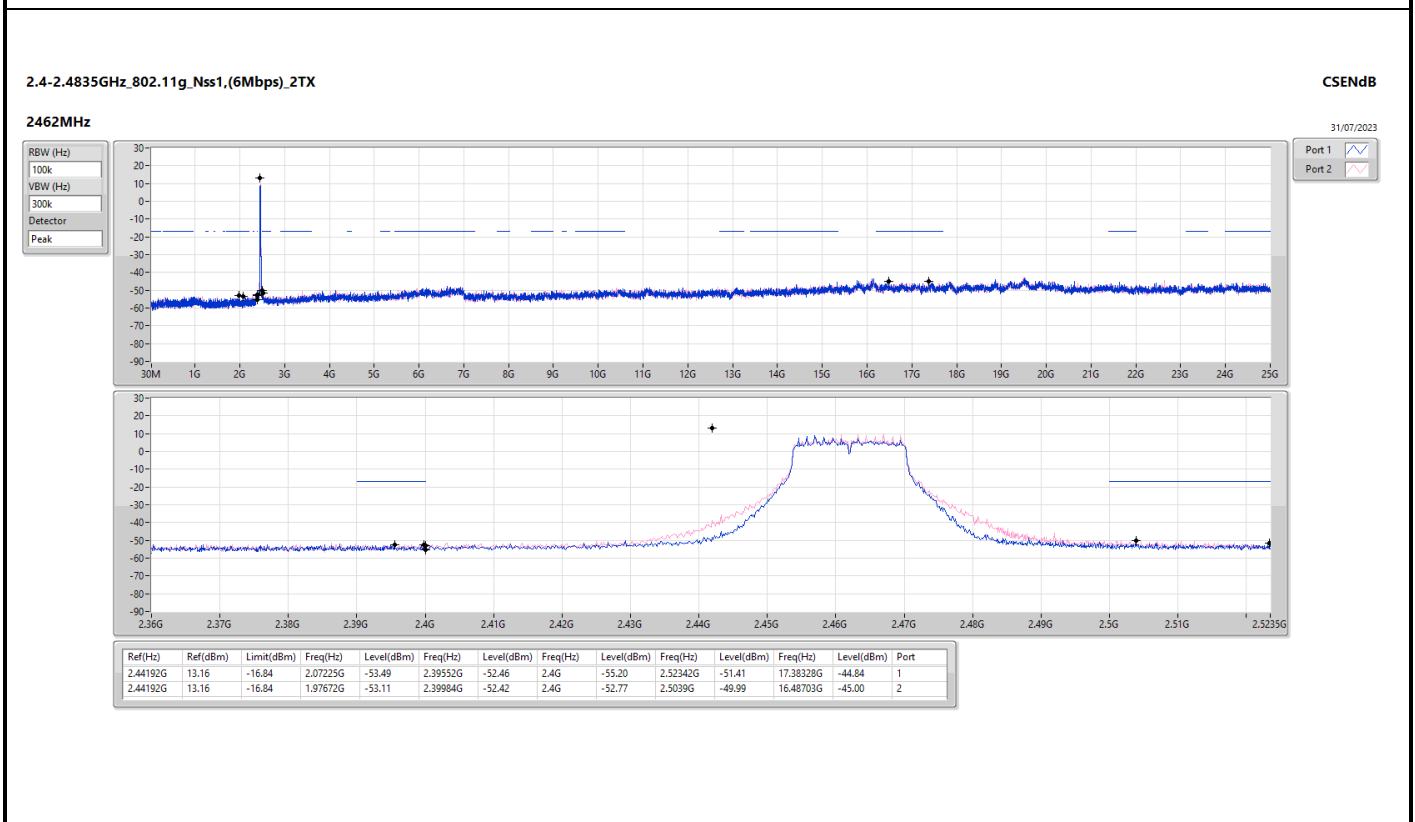
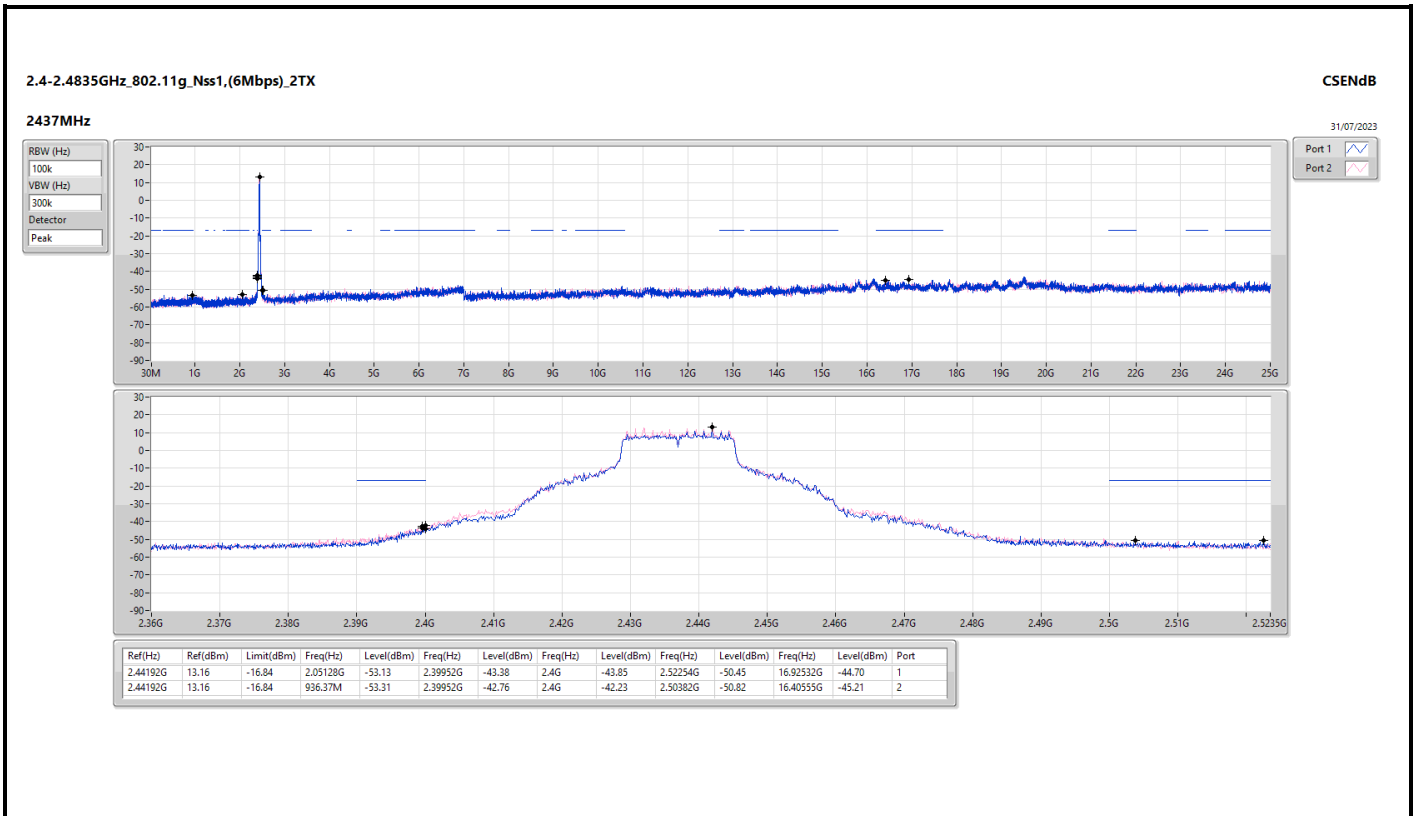


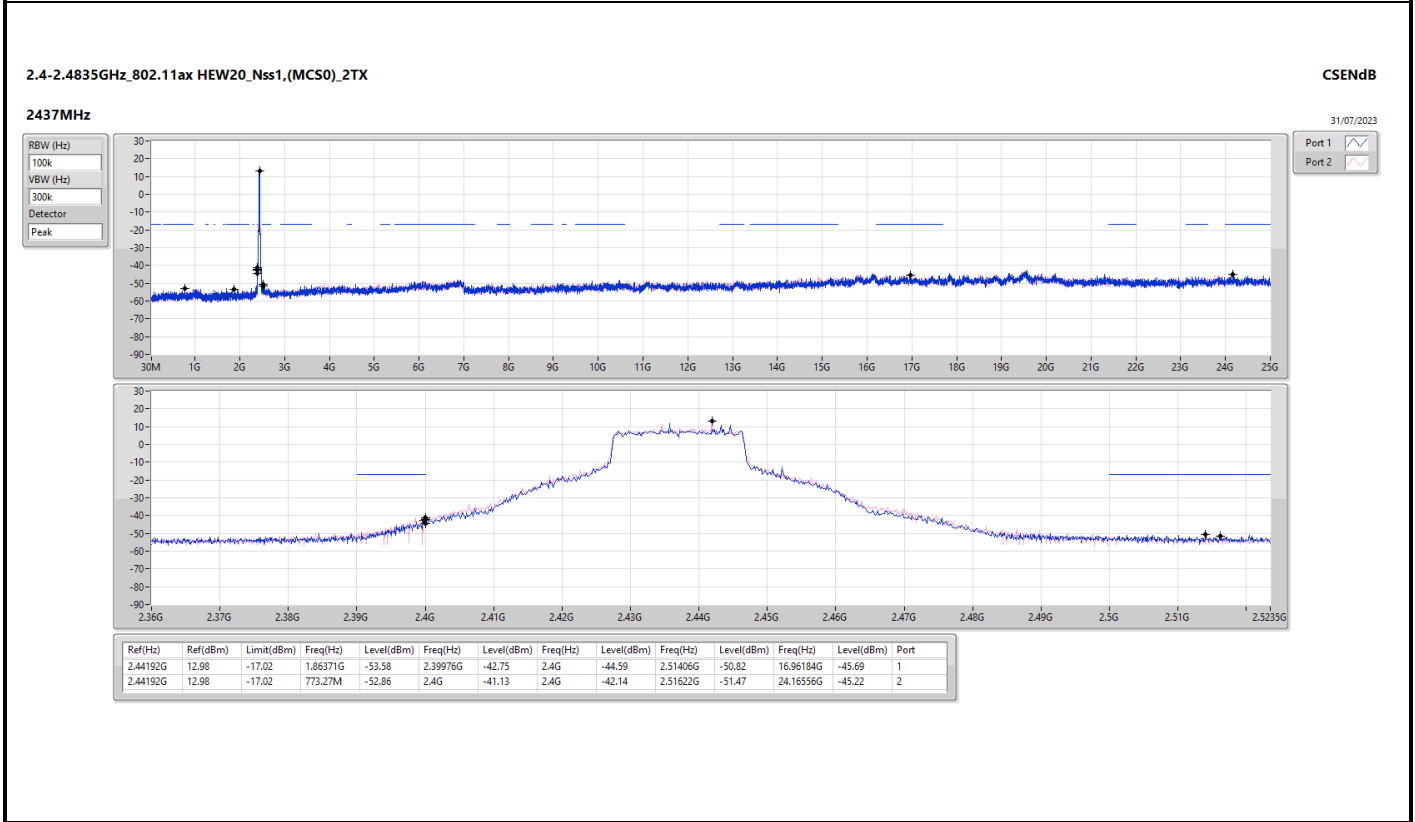
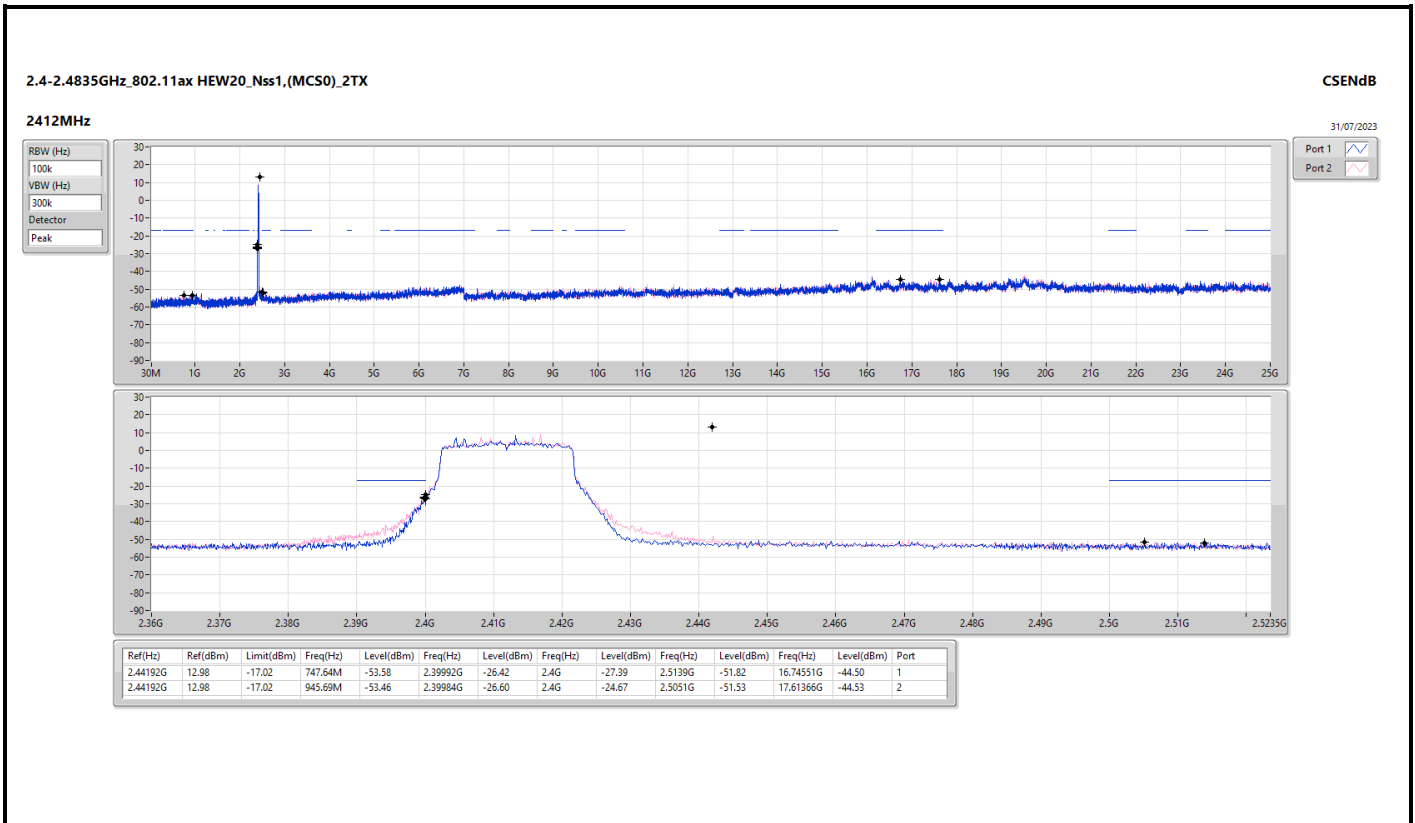
Result

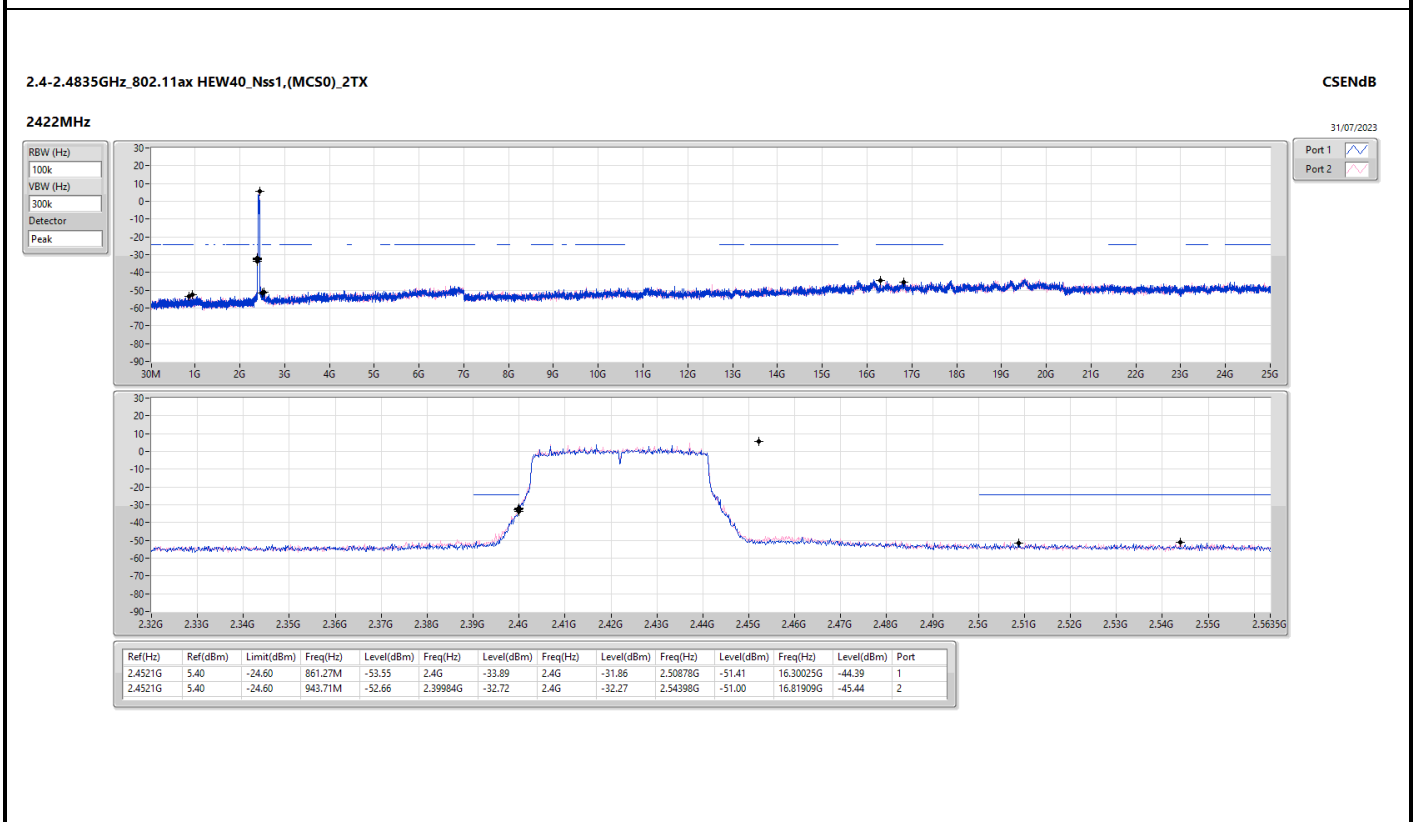
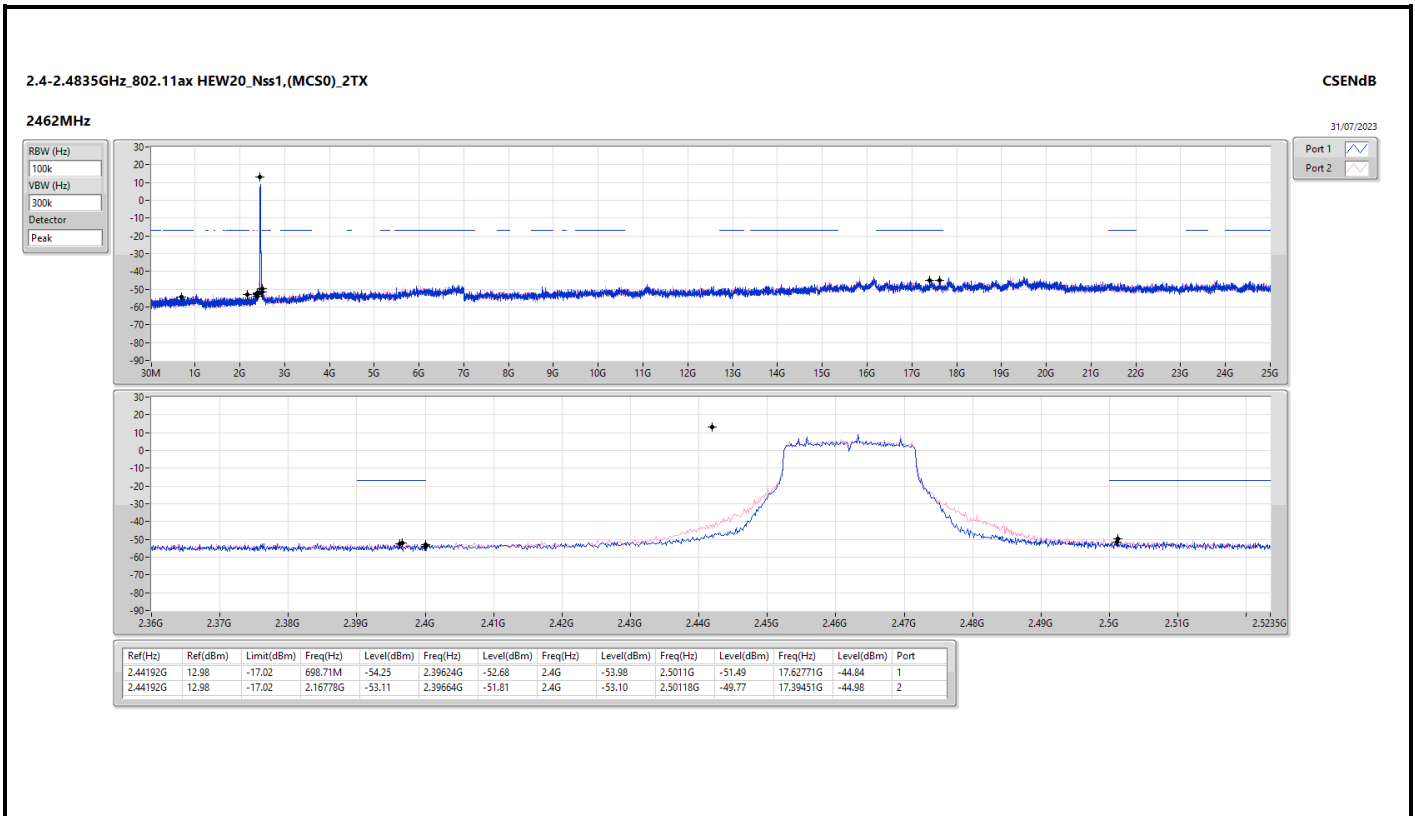
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43808G	15.03	-14.97	1.98487G	-53.84	2.39896G	-38.33	2.4G	-39.09	2.50094G	-52.33	17.60804G	-44.01	1
2412MHz	Pass	2.43808G	15.03	-14.97	2.17011G	-53.68	2.39952G	-33.88	2.4G	-36.70	2.51574G	-51.59	17.4479G	-45.34	2
2437MHz	Pass	2.43808G	15.03	-14.97	2.08739G	-53.00	2.39112G	-51.63	2.4G	-52.87	2.5219G	-51.96	16.81293G	-45.21	1
2437MHz	Pass	2.43808G	15.03	-14.97	900.26M	-53.62	2.39856G	-51.67	2.4G	-52.06	2.50726G	-51.78	24.10937G	-45.27	2
2462MHz	Pass	2.43808G	15.03	-14.97	937.54M	-52.81	2.39096G	-52.57	2.4G	-53.97	2.50166G	-51.52	24.50552G	-45.67	1
2462MHz	Pass	2.43808G	15.03	-14.97	1.84391G	-54.12	2.39256G	-52.78	2.4G	-53.45	2.50102G	-50.00	24.58699G	-45.43	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	13.16	-16.84	582.21M	-53.39	2.39992G	-29.78	2.4G	-28.31	2.50326G	-51.77	24.49147G	-45.16	1
2412MHz	Pass	2.44192G	13.16	-16.84	2.10953G	-53.15	2.39992G	-28.70	2.4G	-26.94	2.50558G	-51.14	17.11637G	-45.22	2
2437MHz	Pass	2.44192G	13.16	-16.84	2.05128G	-53.13	2.39952G	-43.38	2.4G	-43.85	2.52254G	-50.45	16.92532G	-44.70	1
2437MHz	Pass	2.44192G	13.16	-16.84	936.37M	-53.31	2.39952G	-42.76	2.4G	-42.23	2.50382G	-50.82	16.40555G	-45.21	2
2462MHz	Pass	2.44192G	13.16	-16.84	2.07225G	-53.49	2.39552G	-52.46	2.4G	-55.20	2.52342G	-51.41	17.38328G	-44.84	1
2462MHz	Pass	2.44192G	13.16	-16.84	1.97672G	-53.11	2.39984G	-52.42	2.4G	-52.77	2.5039G	-49.99	16.48703G	-45.00	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	12.98	-17.02	747.64M	-53.58	2.39992G	-26.42	2.4G	-27.39	2.5139G	-51.82	16.74551G	-44.50	1
2412MHz	Pass	2.44192G	12.98	-17.02	945.69M	-53.46	2.39984G	-26.60	2.4G	-24.67	2.5051G	-51.53	17.61366G	-44.53	2
2437MHz	Pass	2.44192G	12.98	-17.02	1.86371G	-53.58	2.39976G	-42.75	2.4G	-44.59	2.51406G	-50.82	16.96184G	-45.69	1
2437MHz	Pass	2.44192G	12.98	-17.02	773.27M	-52.86	2.4G	-41.13	2.4G	-42.14	2.51622G	-51.47	24.16556G	-45.22	2
2462MHz	Pass	2.44192G	12.98	-17.02	698.71M	-54.25	2.39624G	-52.68	2.4G	-53.98	2.5011G	-51.49	17.62771G	-44.84	1
2462MHz	Pass	2.44192G	12.98	-17.02	2.16778G	-53.11	2.39664G	-51.81	2.4G	-53.10	2.50118G	-49.77	17.39451G	-44.98	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4521G	5.40	-24.60	861.27M	-53.55	2.4G	-33.89	2.4G	-31.86	2.50878G	-51.41	16.30025G	-44.39	1
2422MHz	Pass	2.4521G	5.40	-24.60	943.71M	-52.66	2.39984G	-32.72	2.4G	-32.27	2.54398G	-51.00	16.81909G	-45.44	2
2437MHz	Pass	2.4521G	5.40	-24.60	2.08413G	-53.62	2.39952G	-49.05	2.4G	-49.86	2.50862G	-50.67	16.44889G	-44.33	1
2437MHz	Pass	2.4521G	5.40	-24.60	1.95017G	-54.16	2.39952G	-40.98	2.4G	-41.77	2.50094G	-49.01	24.43909G	-44.20	2
2452MHz	Pass	2.4521G	5.40	-24.60	1.79445G	-52.65	2.39728G	-52.42	2.4G	-54.10	2.50094G	-51.01	17.60998G	-44.38	1
2452MHz	Pass	2.4521G	5.40	-24.60	1.84597G	-53.64	2.39264G	-51.83	2.4G	-53.29	2.50094G	-49.51	17.43329G	-44.92	2

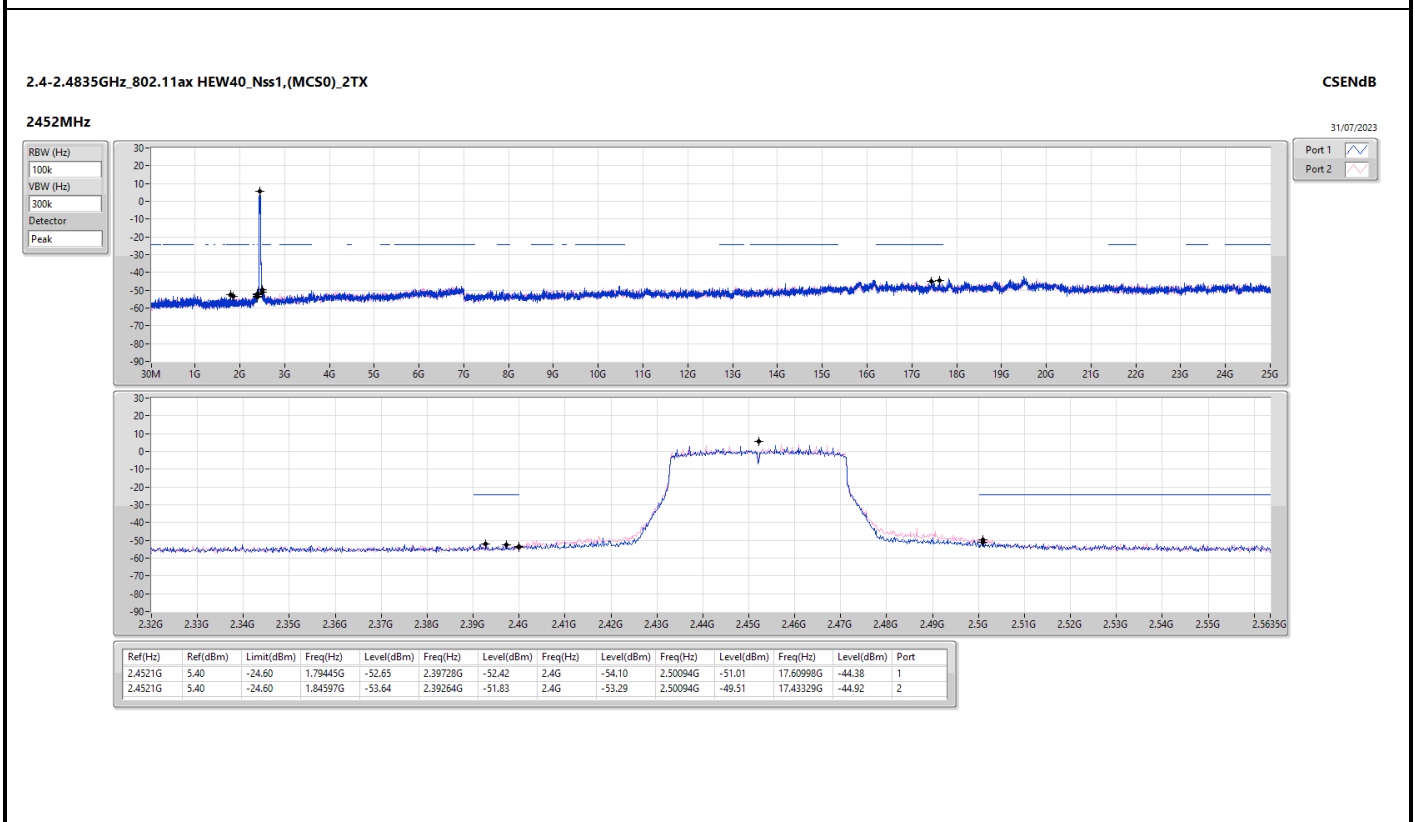
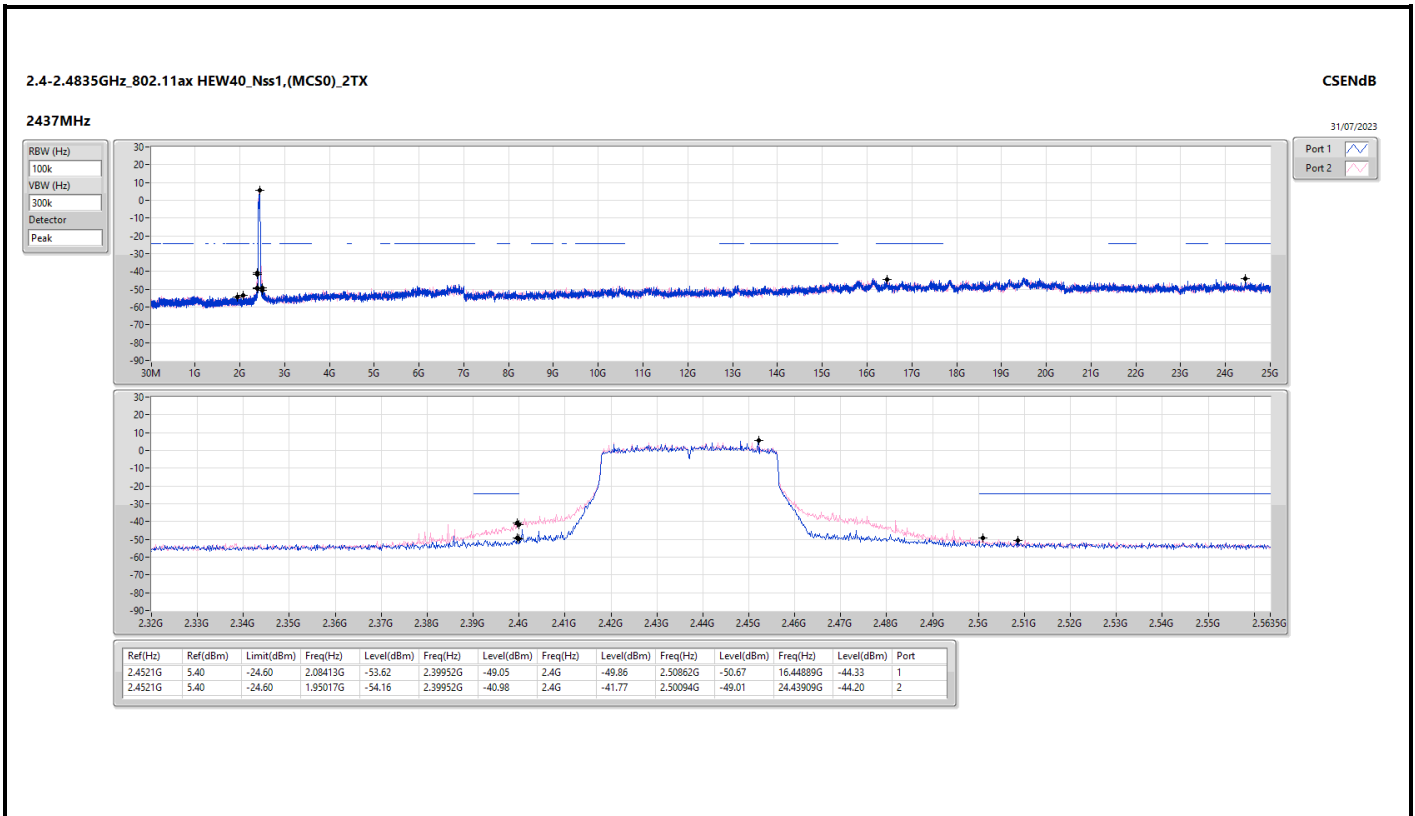














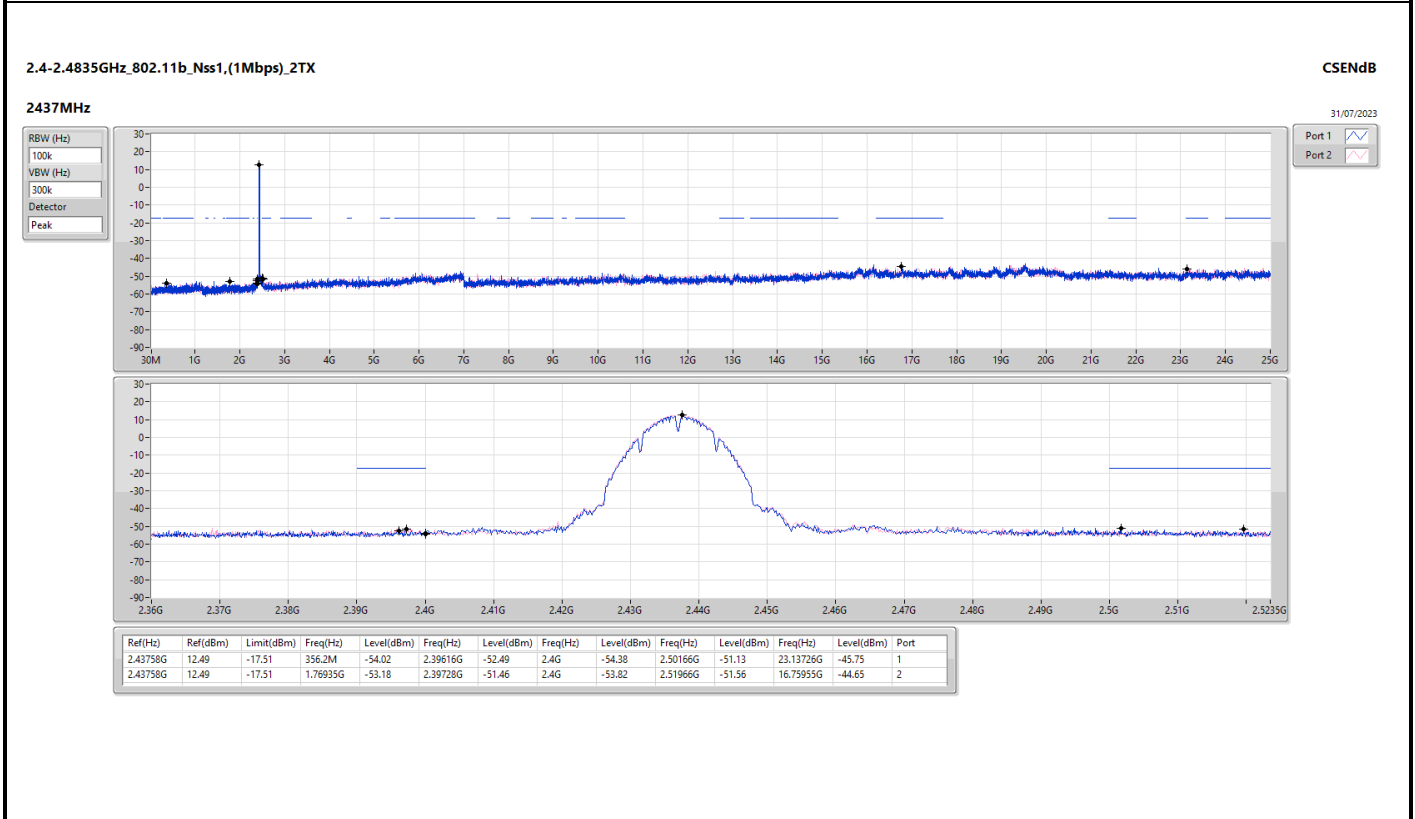
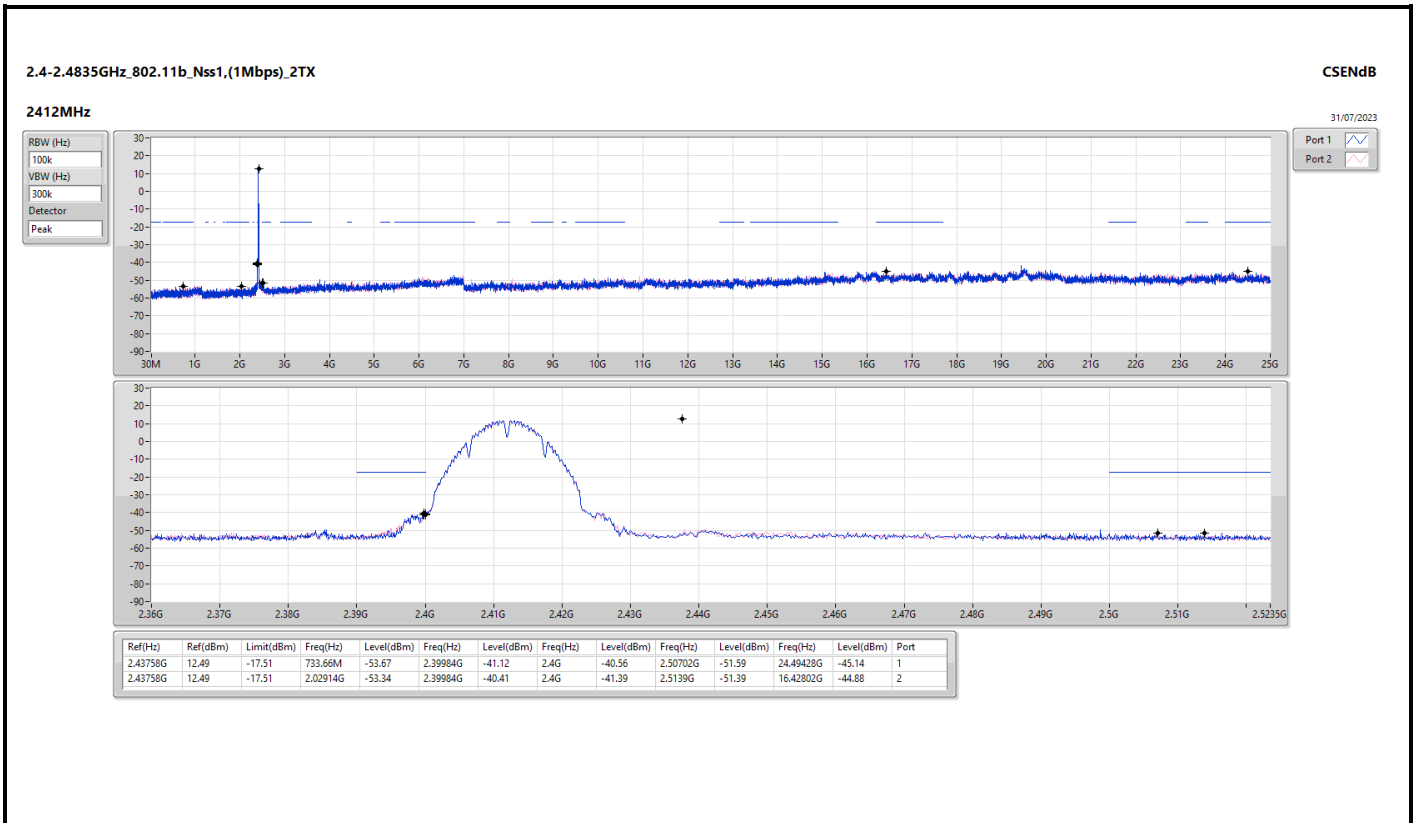
Summary

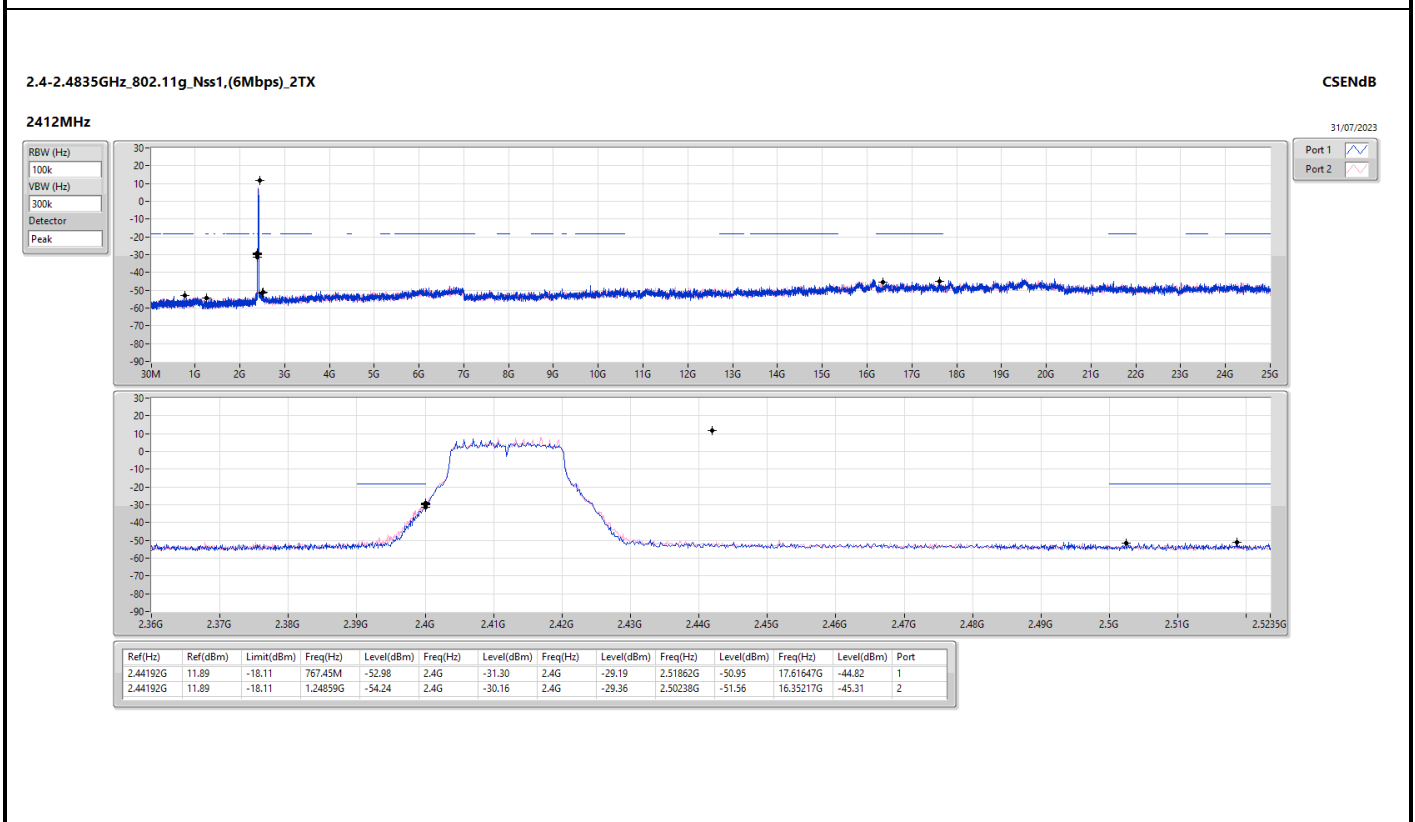
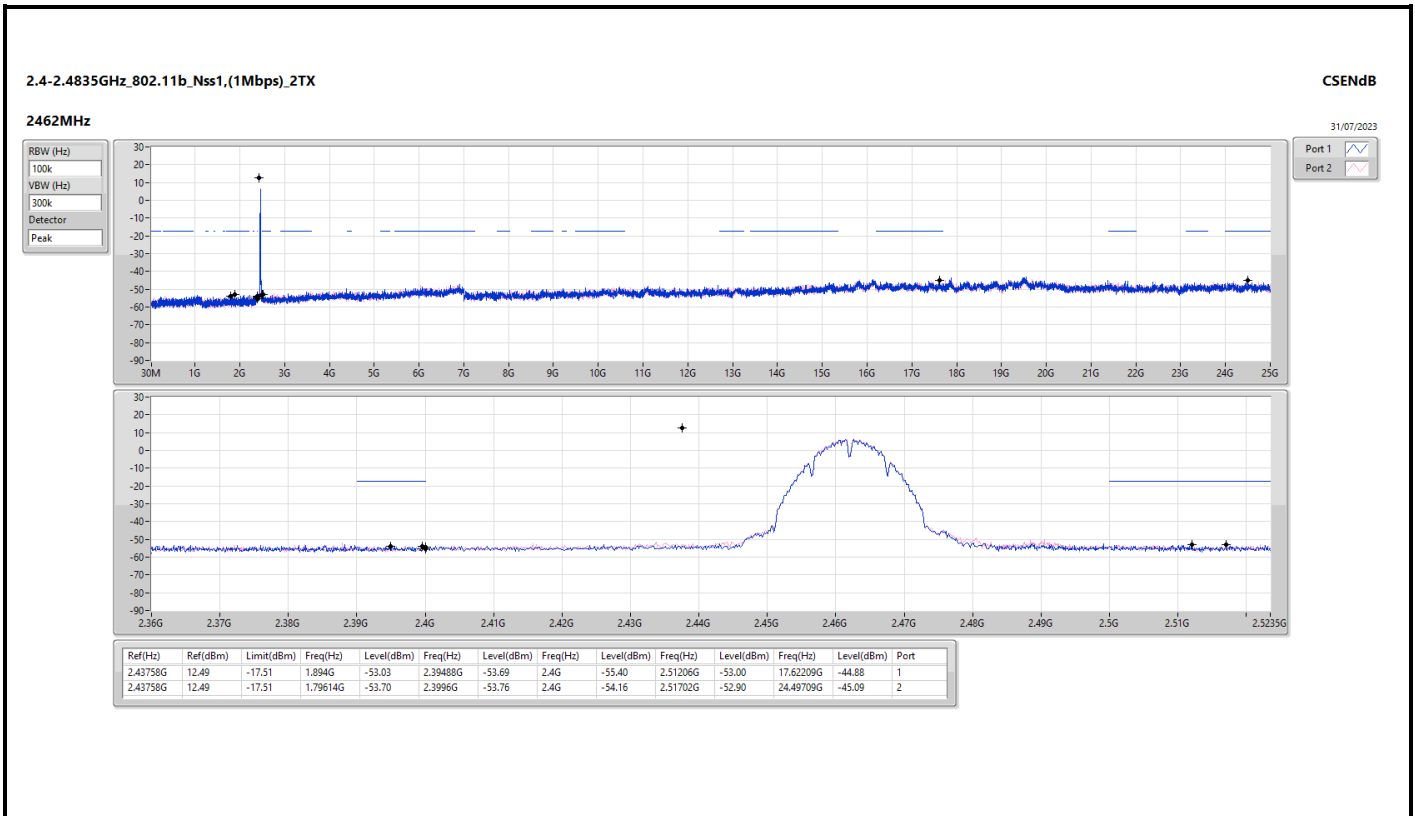
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43758G	12.49	-17.51	2.02914G	-53.34	2.39984G	-40.41	2.4G	-41.39	2.5139G	-51.39	16.42802G	-44.88	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	11.89	-18.11	767.45M	-52.98	2.4G	-31.30	2.4G	-29.19	2.51862G	-50.95	17.61647G	-44.82	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44208G	12.44	-17.56	1.95342G	-53.35	2.39976G	-28.23	2.4G	-25.79	2.50438G	-51.75	24.42404G	-45.10	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4319G	5.34	-24.66	2.10245G	-53.77	2.4G	-33.01	2.4G	-33.79	2.5203G	-52.20	16.4573G	-45.27	2

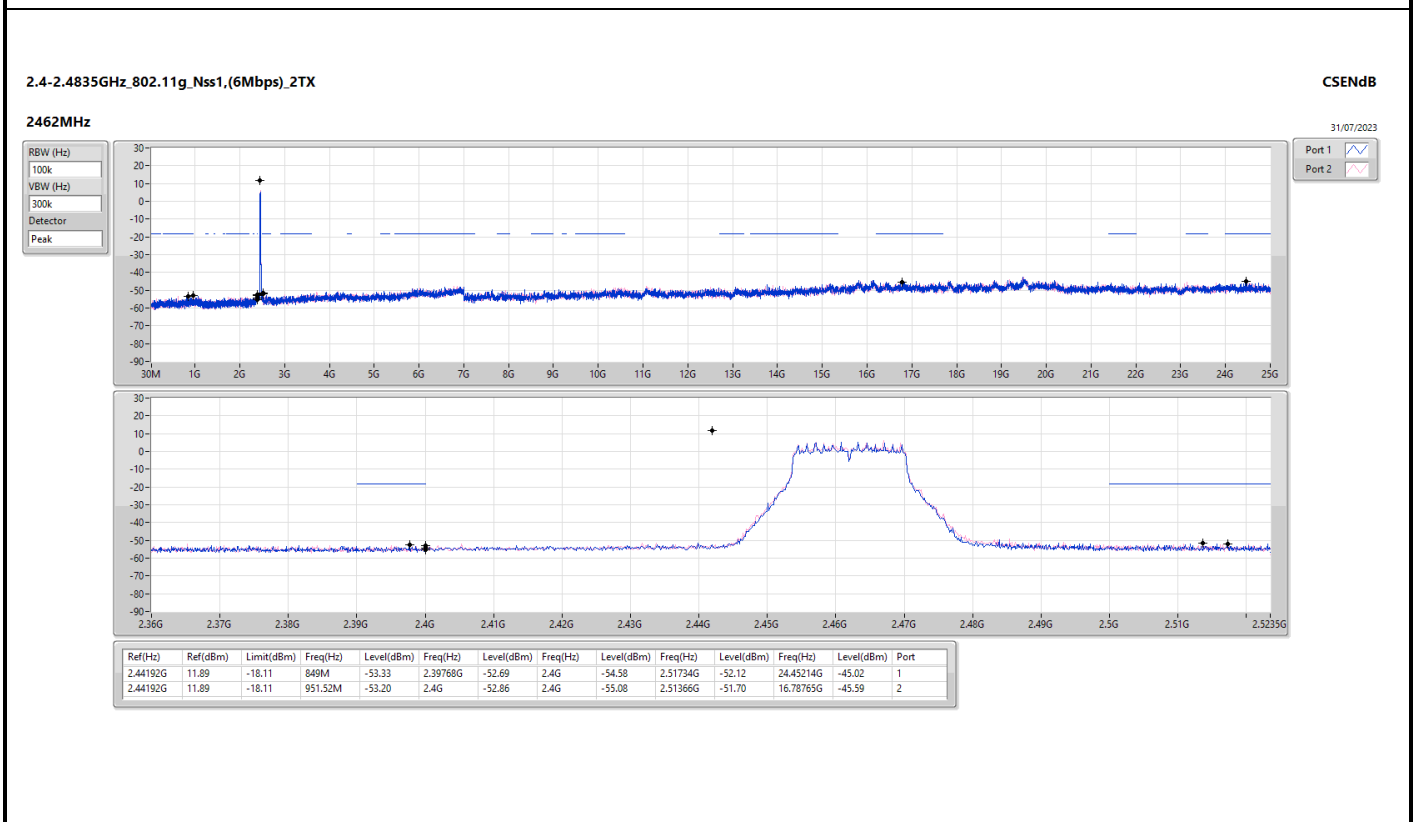
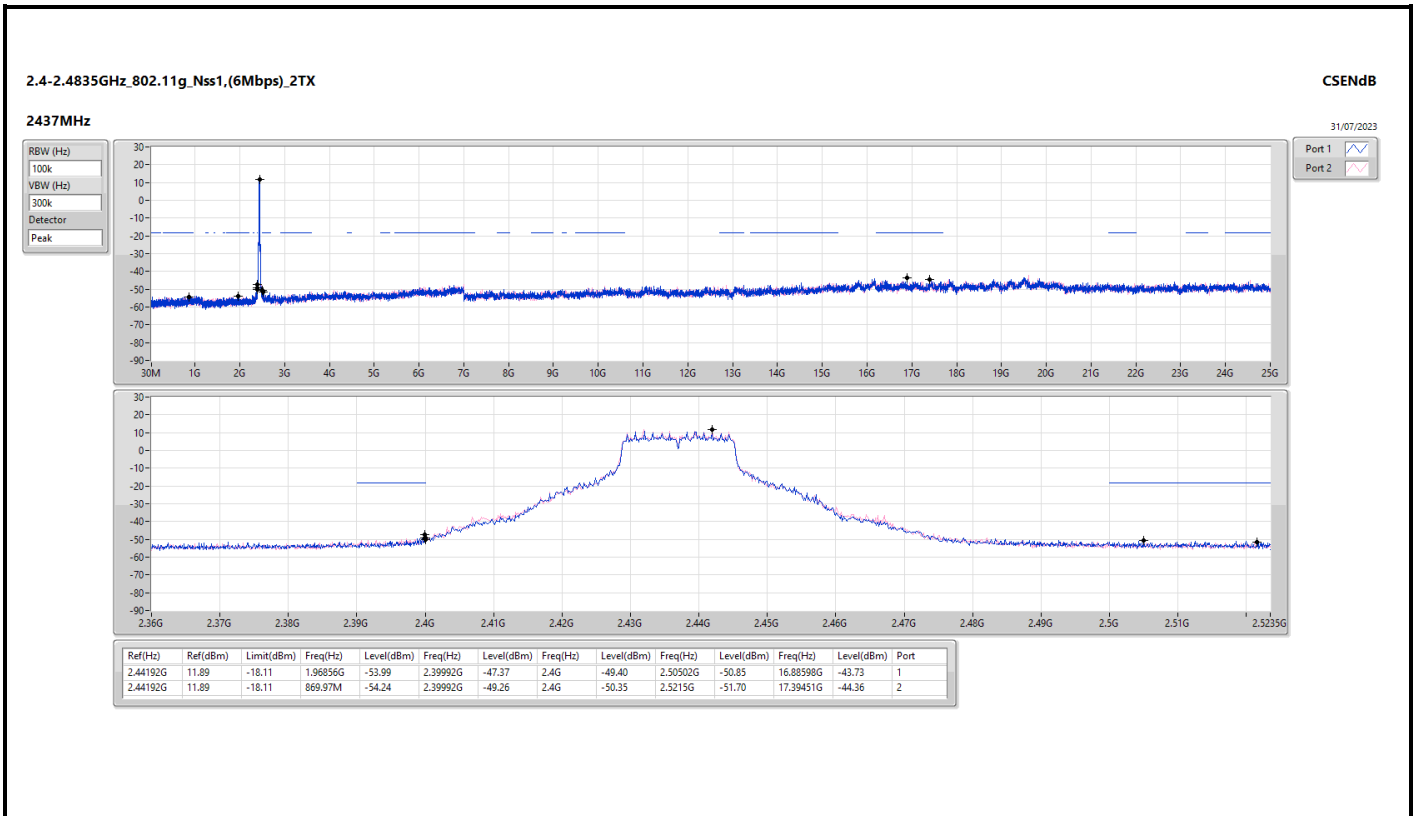


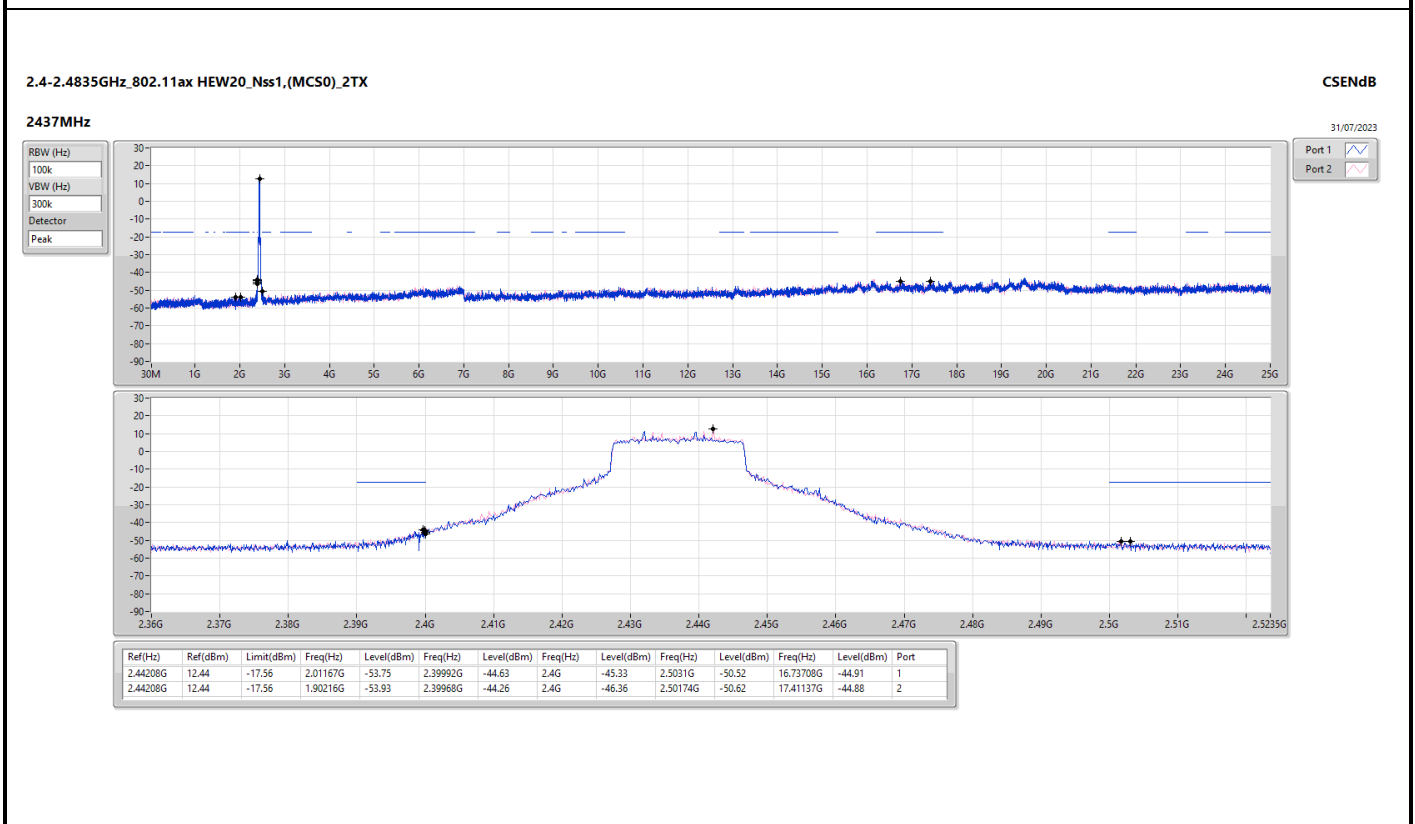
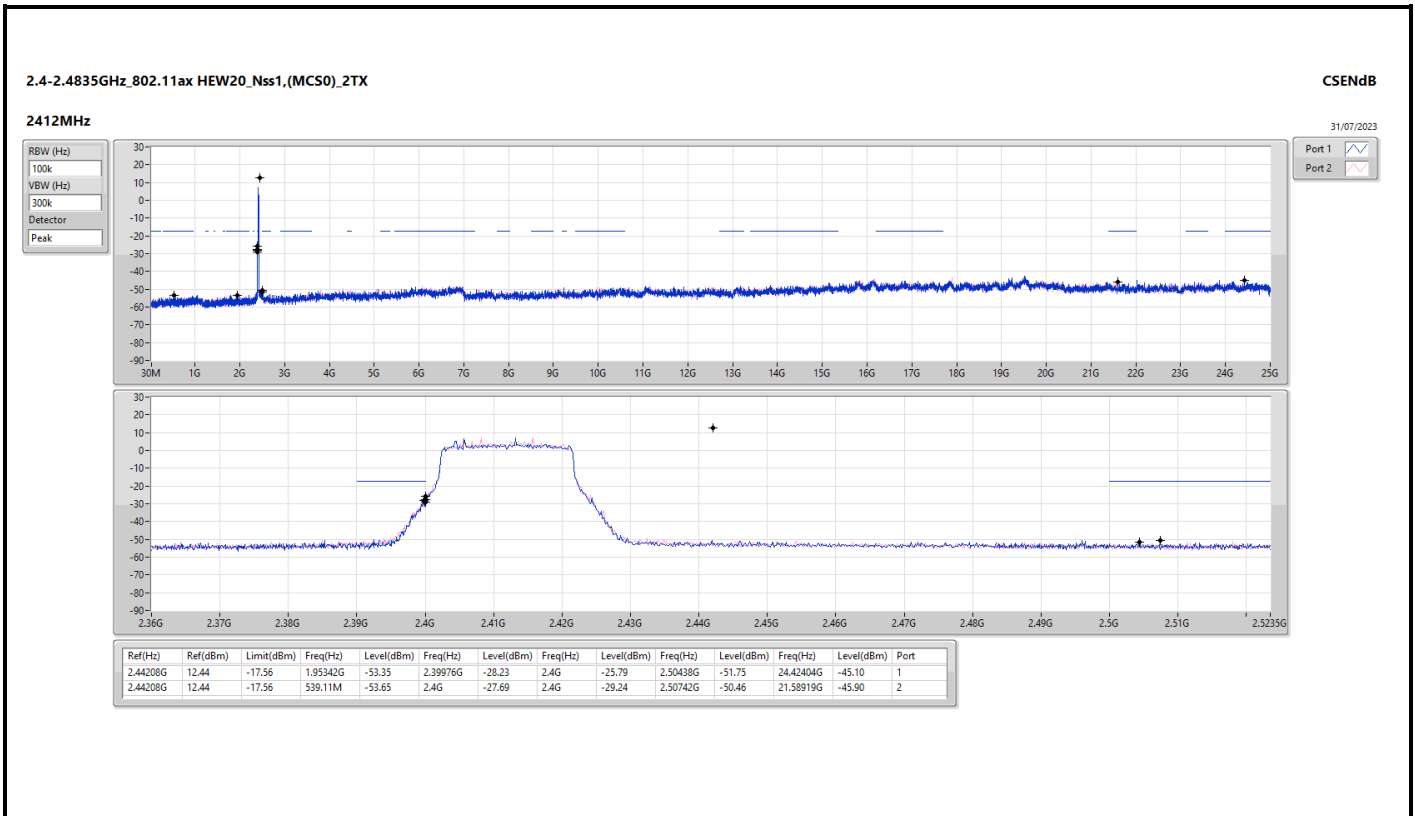
Result

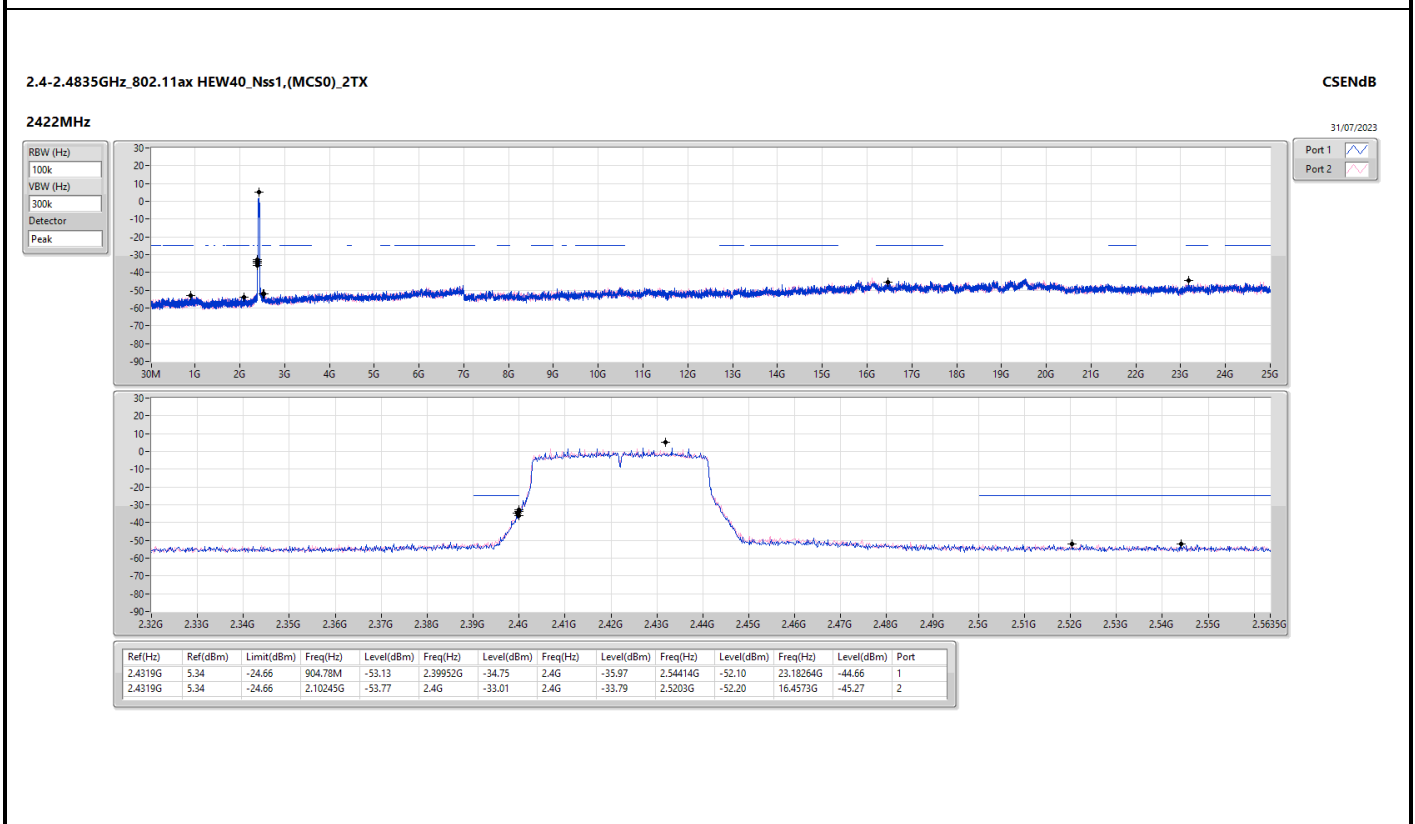
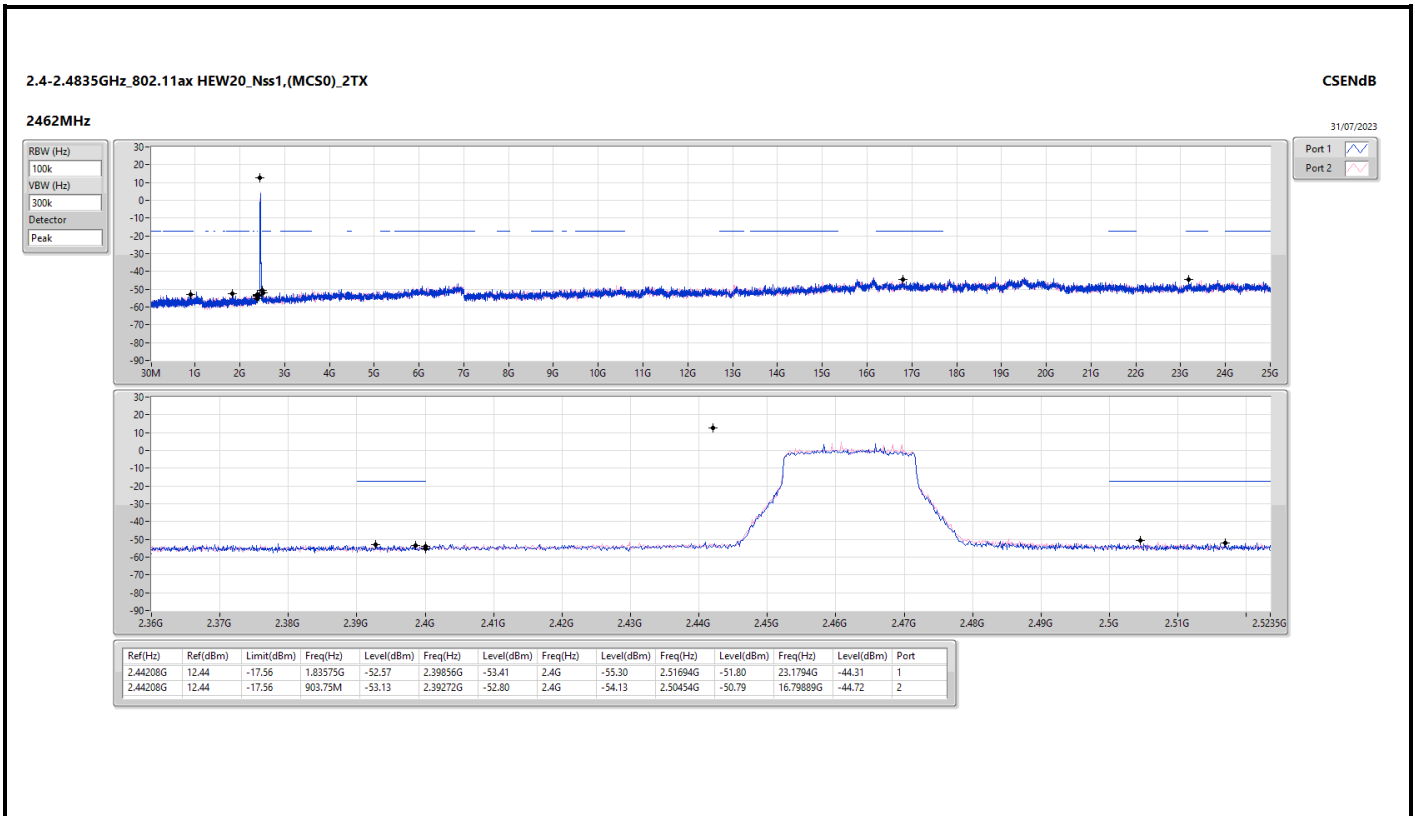
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	12.49	-17.51	733.66M	-53.67	2.39984G	-41.12	2.4G	-40.56	2.50702G	-51.59	24.49428G	-45.14	1
2412MHz	Pass	2.43758G	12.49	-17.51	2.02914G	-53.34	2.39984G	-40.41	2.4G	-41.39	2.5139G	-51.39	16.42802G	-44.88	2
2437MHz	Pass	2.43758G	12.49	-17.51	356.2M	-54.02	2.39616G	-52.49	2.4G	-54.38	2.50166G	-51.13	23.13726G	-45.75	1
2437MHz	Pass	2.43758G	12.49	-17.51	1.76935G	-53.18	2.39728G	-51.46	2.4G	-53.82	2.51966G	-51.56	16.75955G	-44.65	2
2462MHz	Pass	2.43758G	12.49	-17.51	1.894G	-53.03	2.39488G	-53.69	2.4G	-55.40	2.51206G	-53.00	17.62209G	-44.88	1
2462MHz	Pass	2.43758G	12.49	-17.51	1.79614G	-53.70	2.3996G	-53.76	2.4G	-54.16	2.51702G	-52.90	24.49709G	-45.09	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	11.89	-18.11	767.45M	-52.98	2.4G	-31.30	2.4G	-29.19	2.51862G	-50.95	17.61647G	-44.82	1
2412MHz	Pass	2.44192G	11.89	-18.11	1.24859G	-54.24	2.4G	-30.16	2.4G	-29.36	2.50238G	-51.56	16.35217G	-45.31	2
2437MHz	Pass	2.44192G	11.89	-18.11	1.96856G	-53.99	2.39992G	-47.37	2.4G	-49.40	2.50502G	-50.85	16.88598G	-43.73	1
2437MHz	Pass	2.44192G	11.89	-18.11	869.97M	-54.24	2.39992G	-49.26	2.4G	-50.35	2.5215G	-51.70	17.39451G	-44.36	2
2462MHz	Pass	2.44192G	11.89	-18.11	849M	-53.33	2.39768G	-52.69	2.4G	-54.58	2.51734G	-52.12	24.45214G	-45.02	1
2462MHz	Pass	2.44192G	11.89	-18.11	951.52M	-53.20	2.4G	-52.86	2.4G	-55.08	2.51366G	-51.70	16.78765G	-45.59	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44208G	12.44	-17.56	1.95342G	-53.35	2.39976G	-28.23	2.4G	-25.79	2.50438G	-51.75	24.42404G	-45.10	1
2412MHz	Pass	2.44208G	12.44	-17.56	539.11M	-53.65	2.4G	-27.69	2.4G	-29.24	2.50742G	-50.46	21.58919G	-45.90	2
2437MHz	Pass	2.44208G	12.44	-17.56	2.01167G	-53.75	2.39992G	-44.63	2.4G	-45.33	2.5031G	-50.52	16.73708G	-44.91	1
2437MHz	Pass	2.44208G	12.44	-17.56	1.90216G	-53.93	2.39968G	-44.26	2.4G	-46.36	2.50174G	-50.62	17.41137G	-44.88	2
2462MHz	Pass	2.44208G	12.44	-17.56	1.83575G	-52.57	2.39856G	-53.41	2.4G	-55.30	2.51694G	-51.80	23.1794G	-44.31	1
2462MHz	Pass	2.44208G	12.44	-17.56	903.75M	-53.13	2.39272G	-52.80	2.4G	-54.13	2.50454G	-50.79	16.79889G	-44.72	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	5.34	-24.66	904.78M	-53.13	2.39952G	-34.75	2.4G	-35.97	2.54414G	-52.10	23.18264G	-44.66	1
2422MHz	Pass	2.4319G	5.34	-24.66	2.10245G	-53.77	2.4G	-33.01	2.4G	-33.79	2.5203G	-52.20	16.4573G	-45.27	2
2437MHz	Pass	2.4319G	5.34	-24.66	1.92383G	-53.17	2.3992G	-49.74	2.4G	-50.57	2.50062G	-51.12	16.7602G	-44.70	1
2437MHz	Pass	2.4319G	5.34	-24.66	1.83681G	-53.51	2.39472G	-50.83	2.4G	-52.54	2.53598G	-51.29	17.42207G	-44.87	2
2452MHz	Pass	2.4319G	5.34	-24.66	1.82536G	-53.46	2.39984G	-53.82	2.4G	-55.57	2.53486G	-52.51	16.55546G	-43.88	1
2452MHz	Pass	2.4319G	5.34	-24.66	1.98795G	-54.00	2.39328G	-52.56	2.4G	-54.96	2.50302G	-52.61	17.624G	-44.33	2

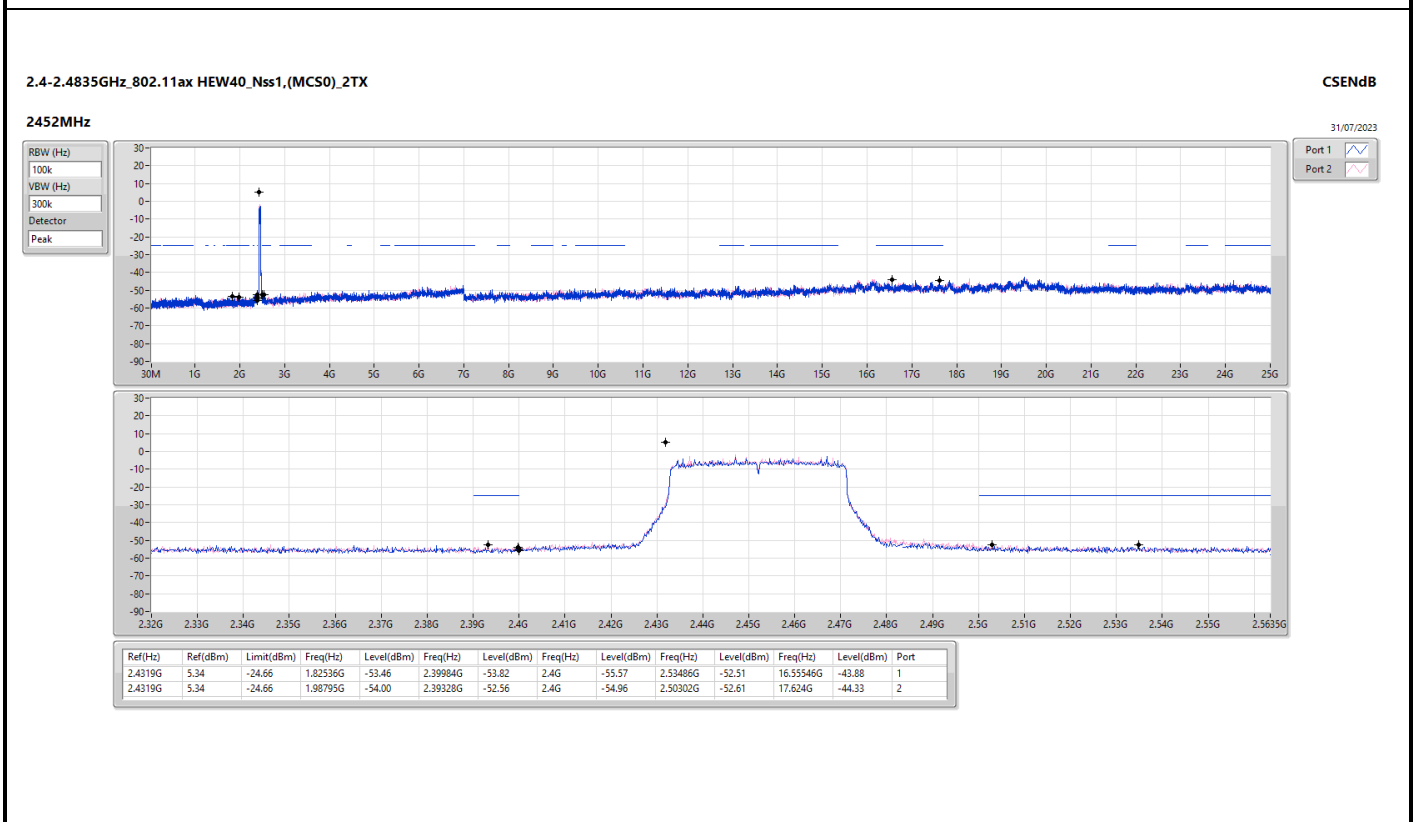
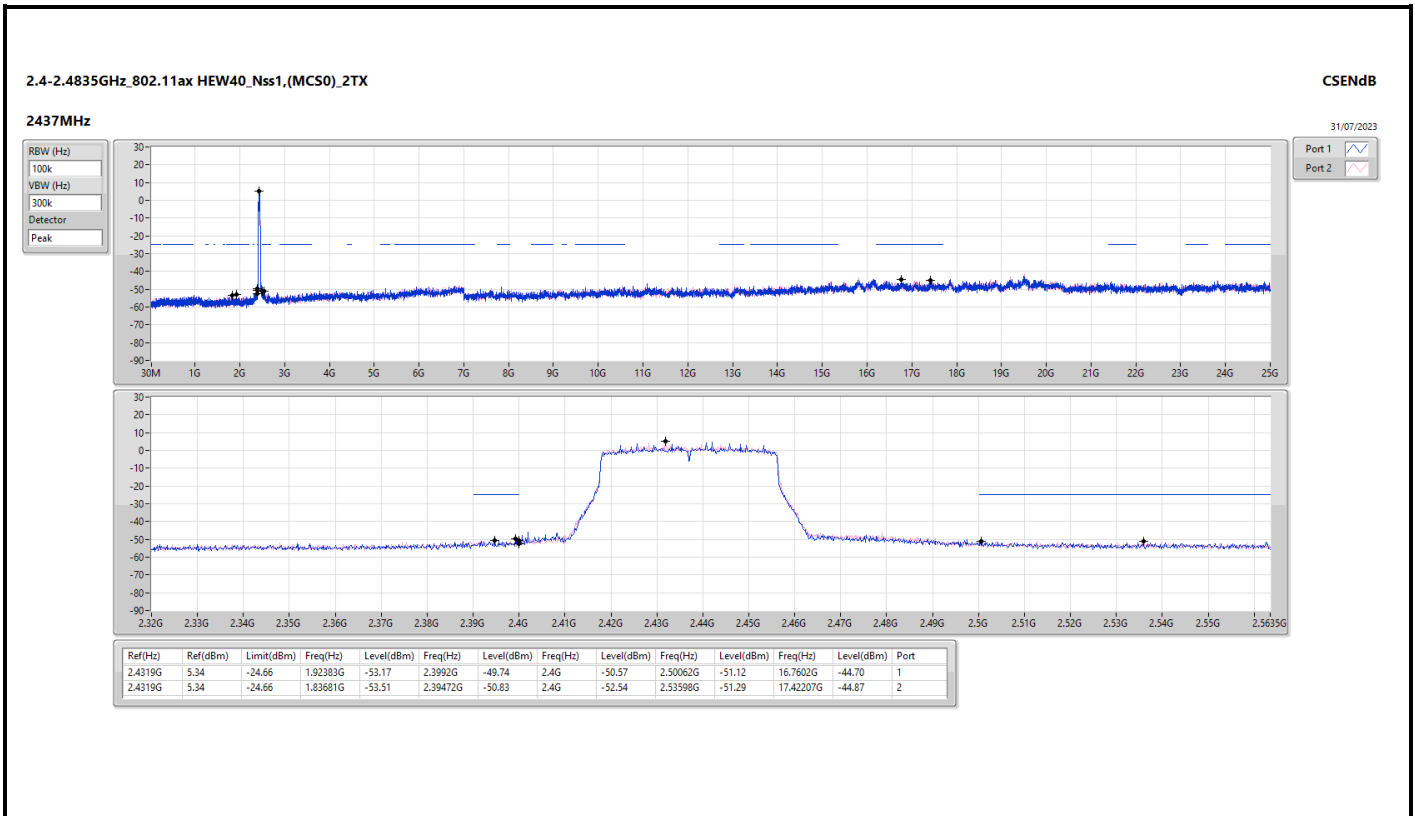










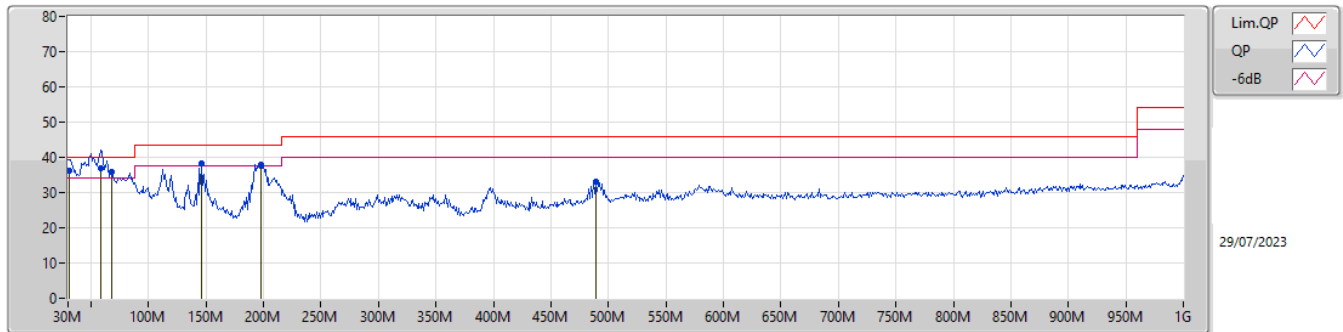




Summary

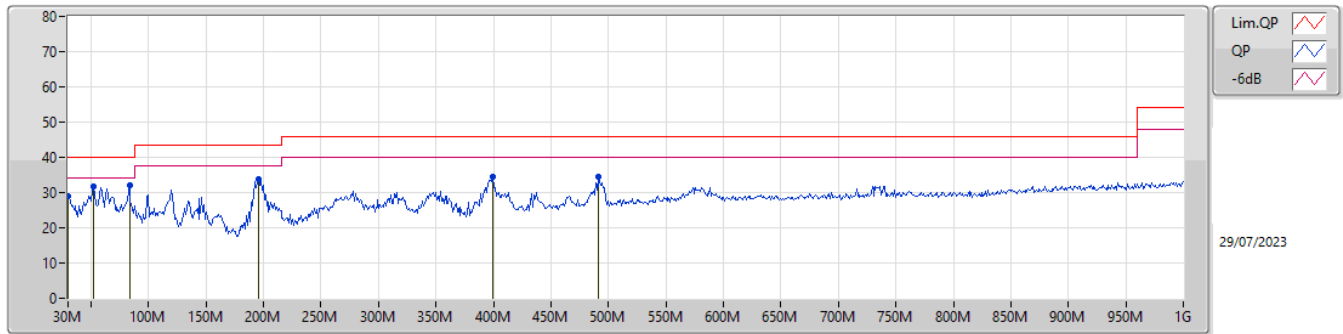
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	58.13M	36.98	40.00	-3.02	Vertical

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30.97M	36.11	40.00	-3.89	-6.92	3	Vertical	197	1.00	-	43.03	23.62	1.03	31.57
QP	58.13M	36.98	40.00	-3.02	-18.11	3	Vertical	360	1.25	"Worst"	55.09	12.45	1.34	31.90
PK	67.83M	35.71	40.00	-4.29	-18.15	3	Vertical	356	1.50	-	53.86	12.33	1.43	31.91
PK	146.4M	38.39	43.50	-5.11	-13.24	3	Vertical	170	1.00	-	51.63	16.71	2.05	32.00
PK	197.81M	38.02	43.50	-5.48	-14.38	3	Vertical	194	1.00	-	52.40	15.22	2.41	32.01
PK	488.81M	33.01	46.00	-12.99	-5.16	3	Vertical	360	1.50	-	38.17	23.18	3.94	32.28

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	29.04	40.00	-10.96	-6.41	3	Horizontal	83	1.25	-	35.45	24.11	1.02	31.54
PK	52.31M	31.68	40.00	-8.32	-17.24	3	Horizontal	173	1.00	-	48.92	13.36	1.28	31.88
PK	83.35M	31.92	40.00	-8.08	-16.80	3	Horizontal	231	2.00	"Worst"	48.72	13.54	1.57	31.91
PK	195.87M	33.93	43.50	-9.57	-14.44	3	Horizontal	253	1.50	-	48.37	15.18	2.39	32.01
PK	399.57M	34.50	46.00	-11.50	-7.03	3	Horizontal	116	1.00	-	41.53	21.59	3.55	32.17
PK	490.75M	34.64	46.00	-11.36	-5.13	3	Horizontal	151	1.00	-	39.77	23.20	3.95	32.28

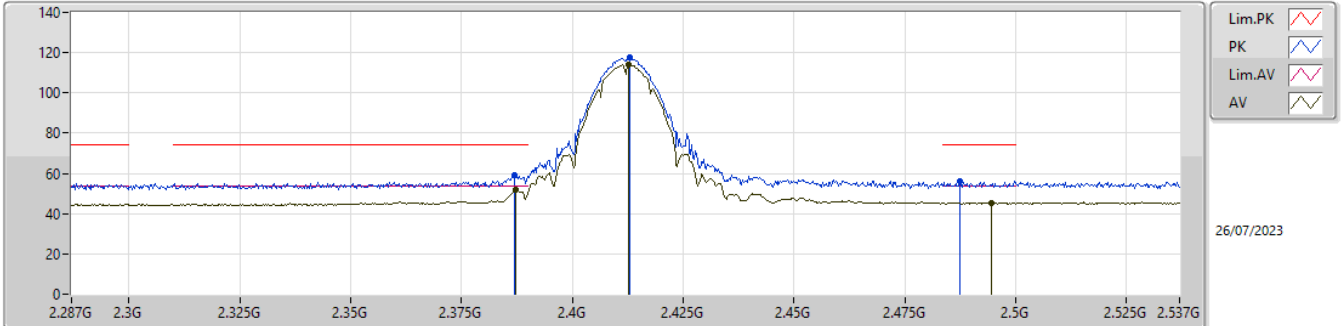


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.48375G	53.51	54.00	-0.49	3	Vertical	279	2.04	19.5

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

2412MHz_TX

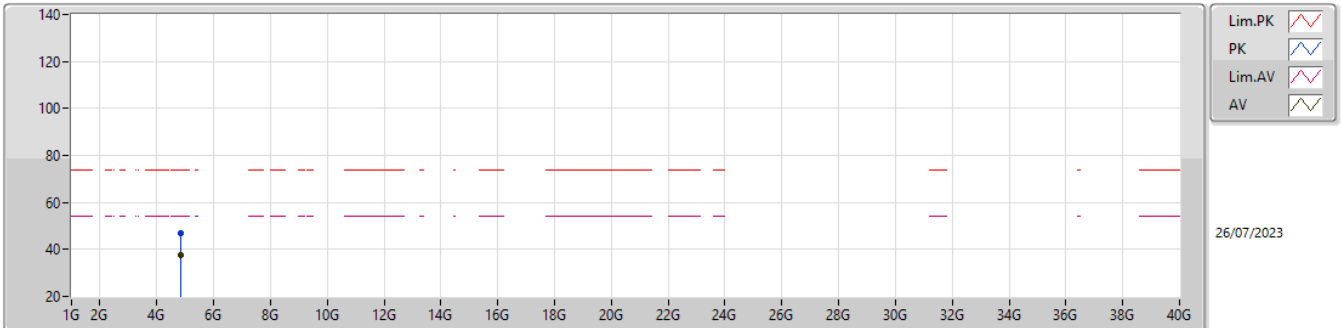


EUT_Z_2TX
 SET 22.5
 15\21\24\22.5\23\22.5
 8.72\7.75\8.12\2.05\2.94\2.20

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	59.24	74.00	-14.76	27.88	3	Vertical	46	1.80	22.5	27.77	3.59	-
AV	2.38725G	51.80	54.00	-2.20	20.44	3	Vertical	46	1.80	22.5	27.77	3.59	-
PK	2.413G	117.49	Inf	-Inf	86.05	3	Vertical	46	1.80	22.5	27.83	3.61	-
AV	2.41275G	113.84	Inf	-Inf	82.40	3	Vertical	46	1.80	22.5	27.83	3.61	-
PK	2.4875G	56.39	74.00	-17.61	24.63	3	Vertical	46	1.80	22.5	28.12	3.64	-
AV	2.4945G	45.54	54.00	-8.46	13.72	3	Vertical	46	1.80	22.5	28.17	3.65	-

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

2412MHz_TX

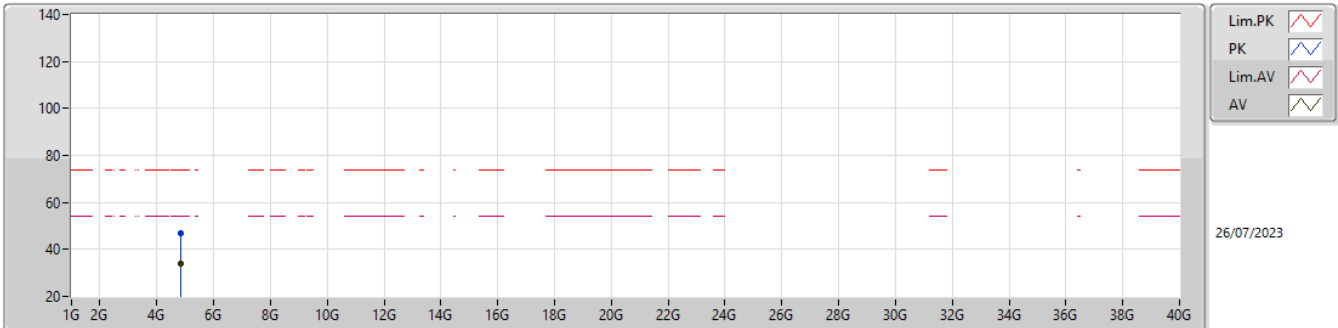


EUT_Z_2TX
 SET 22.5
 01-W-3
 FSP

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	4.84388G	46.76	74.00	-27.24	41.02	3	Vertical	249	2.21	22.5	32.96	5.74	32.96
AV	4.82392G	37.35	54.00	-16.65	31.76	3	Vertical	249	2.21	22.5	32.84	5.72	32.97

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

2412MHz_TX

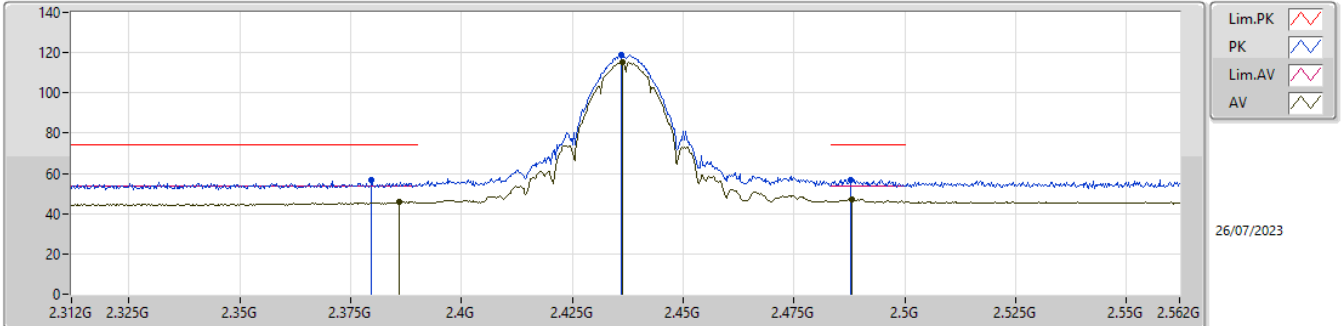


EUT_Z_2TX
 SET 22.5
 01-W-3
 FSP

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	4.83536G	46.79	74.00	-27.21	41.11	3	Horizontal	168	2.88	22.5	32.91	5.74	32.97
AV	4.82932G	34.02	54.00	-19.98	28.38	3	Horizontal	168	2.88	22.5	32.88	5.73	32.97

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

2437MHz_TX

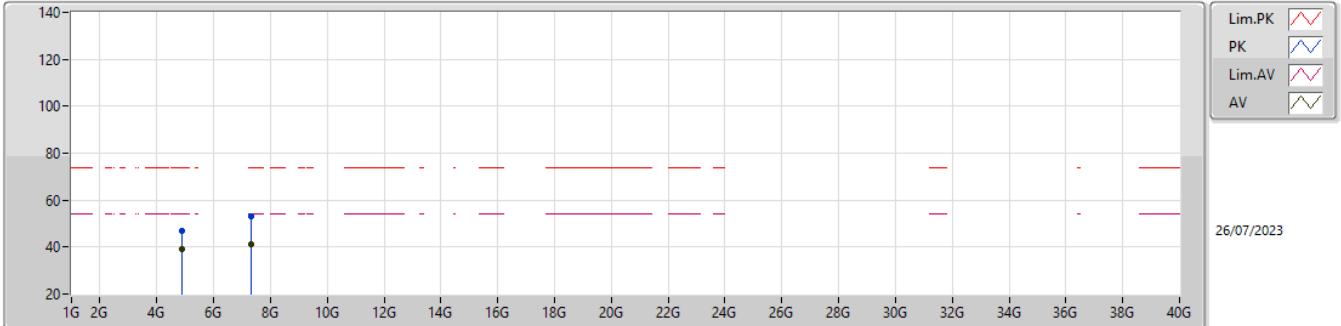


EUT_Z_2TX
 SET 23
 22.5\23
 7.45\6.67

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.37975G	56.60	74.00	-17.40	25.26	3	Vertical	225	2.61	23	27.76	3.58	-
AV	2.386G	45.95	54.00	-8.05	14.59	3	Vertical	225	2.61	23	27.77	3.59	-
PK	2.436G	118.75	Inf	-Inf	87.26	3	Vertical	225	2.61	23	27.87	3.62	-
AV	2.43625G	115.21	Inf	-Inf	83.72	3	Vertical	225	2.61	23	27.87	3.62	-
PK	2.48775G	57.02	74.00	-16.98	25.25	3	Vertical	225	2.61	23	28.13	3.64	-
AV	2.488G	47.33	54.00	-6.67	15.56	3	Vertical	225	2.61	23	28.13	3.64	-

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

2437MHz_TX

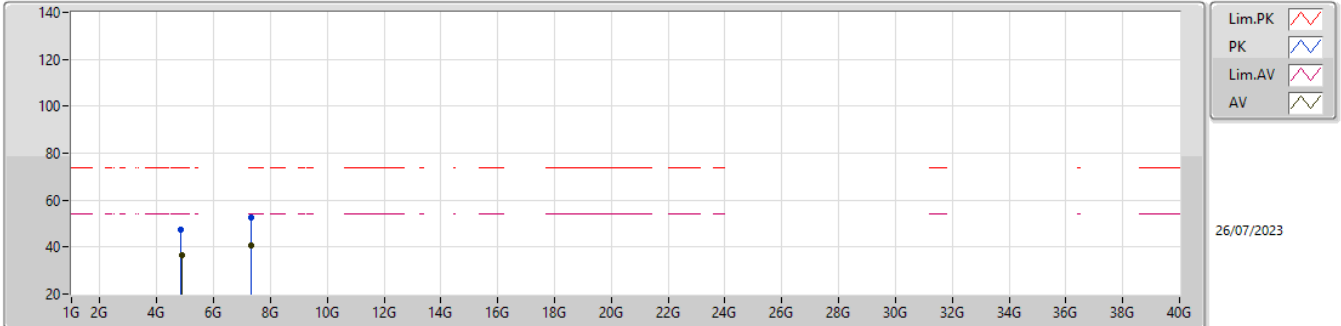


EUT_Z_2TX
 SET 23
 01-W-3
 FSP

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	4.87408G	46.95	74.00	-27.05	41.14	3	Vertical	243	2.14	23	33.00	5.77	32.96
AV	4.874G	39.27	54.00	-14.73	33.46	3	Vertical	243	2.14	23	33.00	5.77	32.96
PK	7.30956G	52.91	74.00	-21.09	41.26	3	Vertical	201	1.79	23	37.60	7.15	33.10
AV	7.31164G	41.06	54.00	-12.94	29.40	3	Vertical	201	1.79	23	37.60	7.16	33.10

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

2437MHz_TX

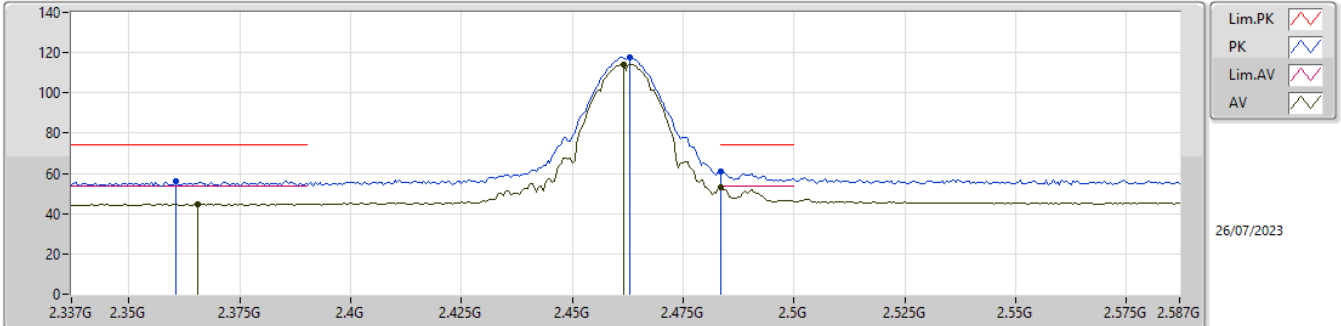


EUT_Z_2TX
 SET 23
 01-W-3
 FSP

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	4.86452G	47.30	74.00	-26.70	41.50	3	Horizontal	343	2.79	23	33.00	5.76	32.96
AV	4.87384G	36.47	54.00	-17.53	30.66	3	Horizontal	343	2.79	23	33.00	5.77	32.96
PK	7.30984G	52.79	74.00	-21.21	41.14	3	Horizontal	147	1.28	23	37.60	7.15	33.10
AV	7.3268G	40.55	54.00	-13.45	28.90	3	Horizontal	147	1.28	23	37.60	7.16	33.11

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

2462MHz_TX

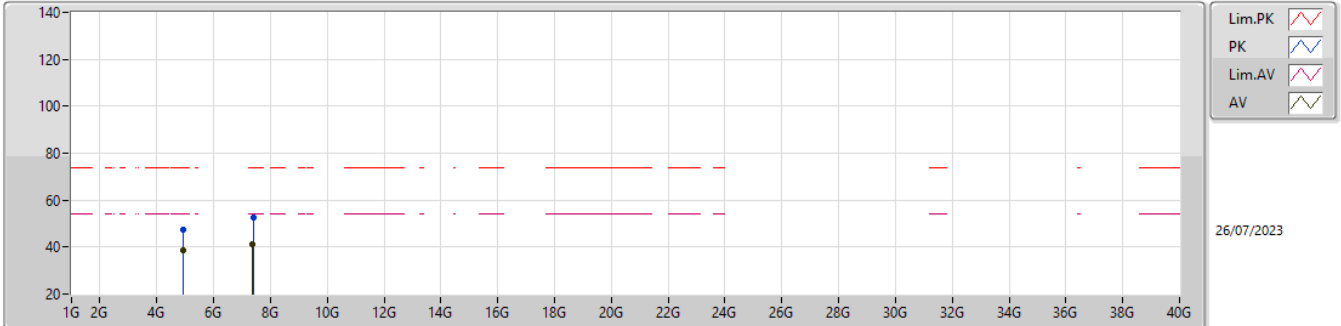


EUT_Z_2TX
SET 22.5
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3605G	55.99	74.00	-18.01	24.71	3	Vertical	16	1.80	-	27.72	3.56	-
AV	2.3655G	44.86	54.00	-9.14	13.56	3	Vertical	16	1.80	-	27.73	3.57	-
PK	2.463G	117.85	Inf	-Inf	86.24	3	Vertical	16	1.80	-	27.98	3.63	-
AV	2.4615G	114.19	Inf	-Inf	82.59	3	Vertical	16	1.80	-	27.97	3.63	-
PK	2.4835G	61.17	74.00	-12.83	29.43	3	Vertical	16	1.80	-	28.10	3.64	-
AV	2.4835G	53.13	54.00	-0.87	21.39	3	Vertical	16	1.80	-	28.10	3.64	-

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

2462MHz_TX

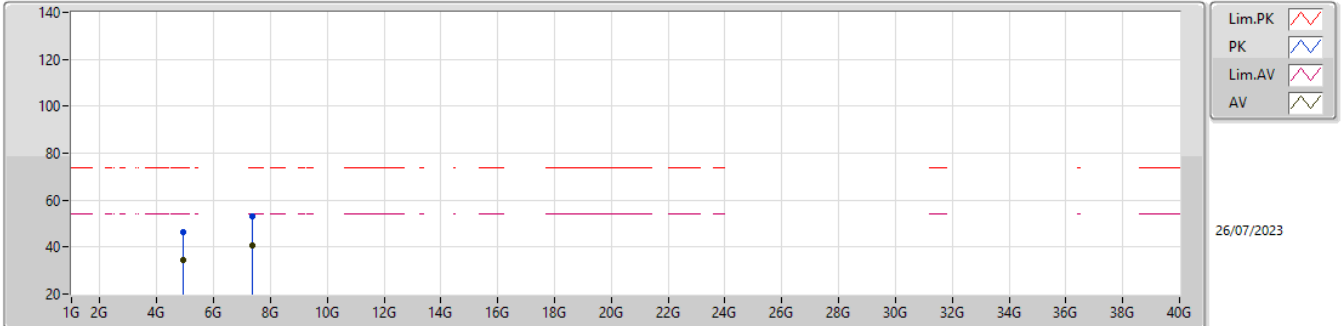


EUT_Z_2TX
 SET 22.5
 01-W-3
 FSP

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	4.924G	47.32	74.00	-26.68	41.45	3	Vertical	224	2.27	22.5	33.00	5.82	32.95
AV	4.92408G	38.64	54.00	-15.36	32.77	3	Vertical	224	2.27	22.5	33.00	5.82	32.95
PK	7.38612G	52.50	74.00	-21.50	40.91	3	Vertical	34	1.10	22.5	37.53	7.19	33.13
AV	7.38092G	41.11	54.00	-12.89	29.50	3	Vertical	34	1.10	22.5	37.54	7.19	33.12

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

2462MHz_TX

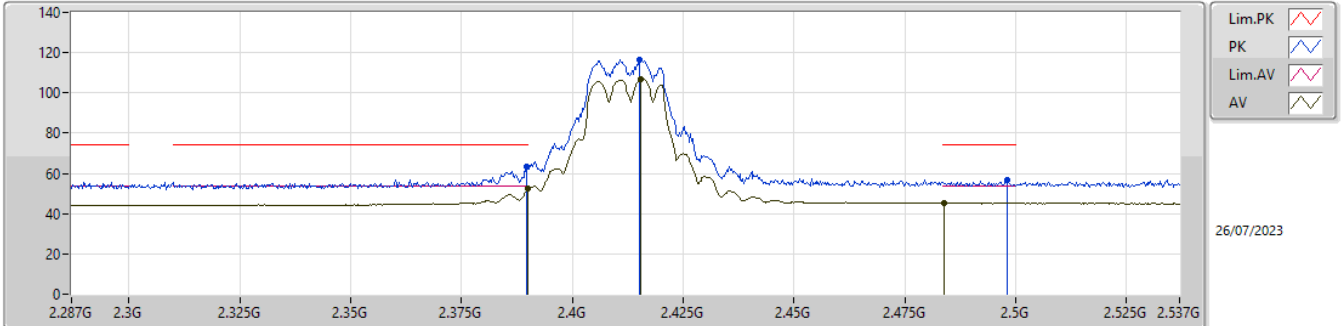


EUT_Z_2TX
 SET 22.5
 01-W-3
 FSP

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	4.91644G	46.38	74.00	-27.62	40.51	3	Horizontal	349	2.95	22.5	33.00	5.82	32.95
AV	4.9242G	34.74	54.00	-19.26	28.87	3	Horizontal	349	2.95	22.5	33.00	5.82	32.95
PK	7.37164G	53.28	74.00	-20.72	41.65	3	Horizontal	252	2.94	22.5	37.56	7.19	33.12
AV	7.38148G	40.61	54.00	-13.39	29.00	3	Horizontal	252	2.94	22.5	37.54	7.19	33.12

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

2412MHz_TX

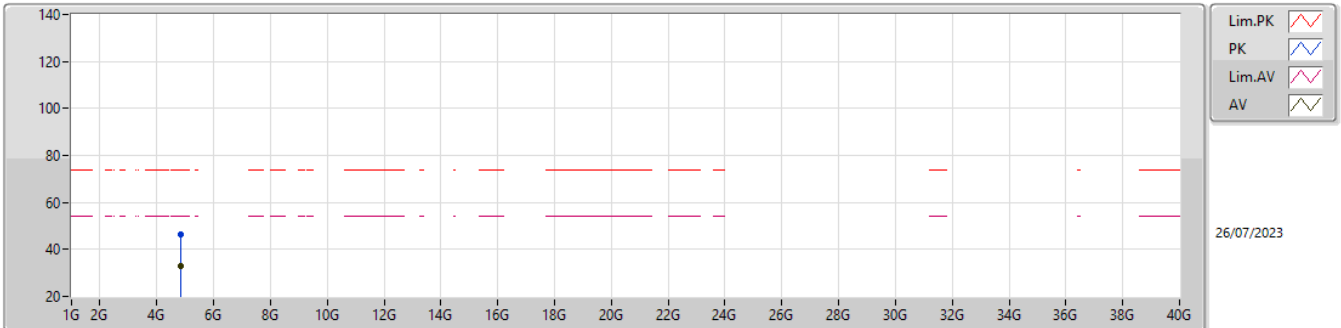


EUT_Z_2TX
 SET 19.5
 15\21\18\19.5\20\19.5
 9.08\6.75\7.61\1.80\1.15\1.49

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.38975G	63.58	74.00	-10.42	32.21	3	Vertical	270	1.80	19.5	27.78	3.59	-
AV	2.39G	52.51	54.00	-1.49	21.14	3	Vertical	270	1.80	19.5	27.78	3.59	-
PK	2.41525G	116.65	Inf	-Inf	85.21	3	Vertical	270	1.80	19.5	27.83	3.61	-
AV	2.4155G	107.04	Inf	-Inf	75.60	3	Vertical	270	1.80	19.5	27.83	3.61	-
PK	2.498G	56.78	74.00	-17.22	24.94	3	Vertical	270	1.80	19.5	28.19	3.65	-
AV	2.484G	45.31	54.00	-8.69	13.57	3	Vertical	270	1.80	19.5	28.10	3.64	-

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

2412MHz_TX

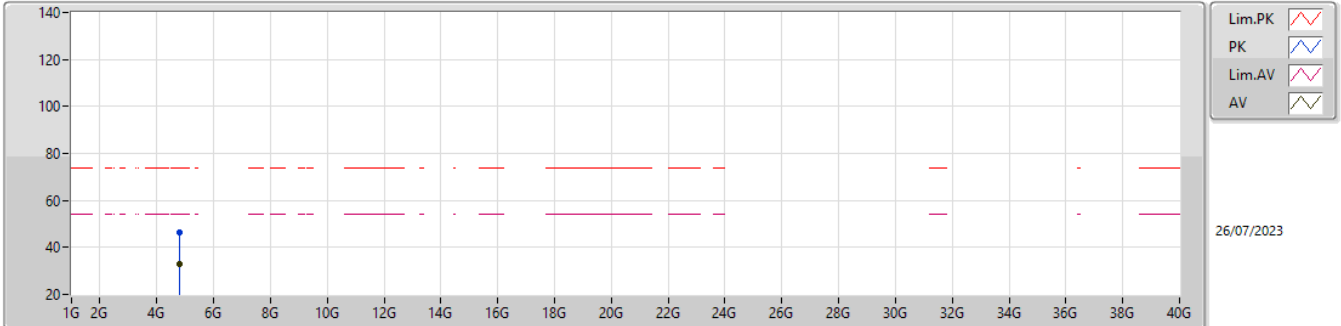


EUT_Z_2TX
 SET 19.5
 01-W-3
 FSP

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	4.83968G	46.21	74.00	-27.79	40.50	3	Vertical	186	1.89	19.5	32.94	5.74	32.97
AV	4.83496G	33.11	54.00	-20.89	27.44	3	Vertical	186	1.89	19.5	32.91	5.73	32.97

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

2412MHz_TX

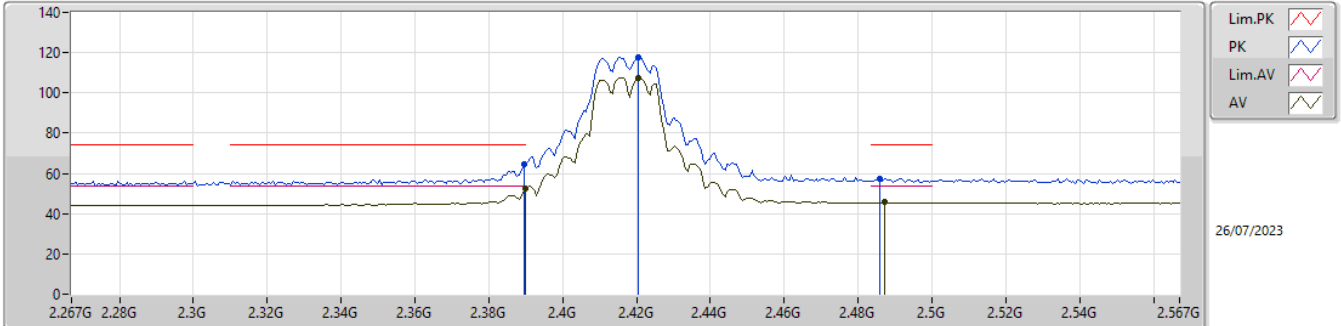


EUT_Z_2TX
 SET 19.5
 01-W-3
 FSP

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	4.81812G	46.36	74.00	-27.64	40.80	3	Horizontal	360	1.80	19.5	32.81	5.72	32.97
AV	4.82288G	33.00	54.00	-21.00	27.41	3	Horizontal	360	1.80	19.5	32.84	5.72	32.97

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

2417MHz_TX

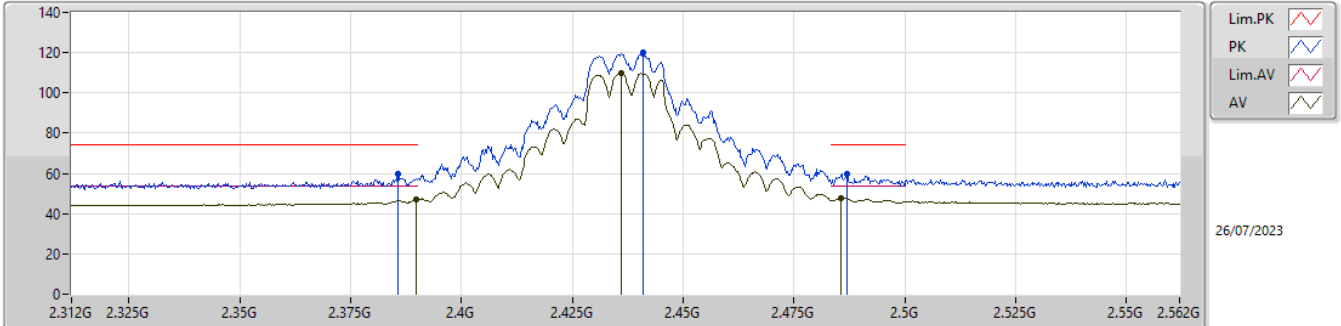


EUT_Z_2TX
SET 20.5
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	64.81	74.00	-9.19	33.44	3	Vertical	273	1.80	-	27.78	3.59	-
AV	2.39G	52.52	54.00	-1.48	21.15	3	Vertical	273	1.80	-	27.78	3.59	-
PK	2.4206G	117.71	Inf	-Inf	86.26	3	Vertical	273	1.80	-	27.84	3.61	-
AV	2.4206G	107.69	Inf	-Inf	76.24	3	Vertical	273	1.80	-	27.84	3.61	-
PK	2.486G	57.57	74.00	-16.43	25.81	3	Vertical	273	1.80	-	28.12	3.64	-
AV	2.4872G	45.64	54.00	-8.36	13.88	3	Vertical	273	1.80	-	28.12	3.64	-

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

2437MHz_TX

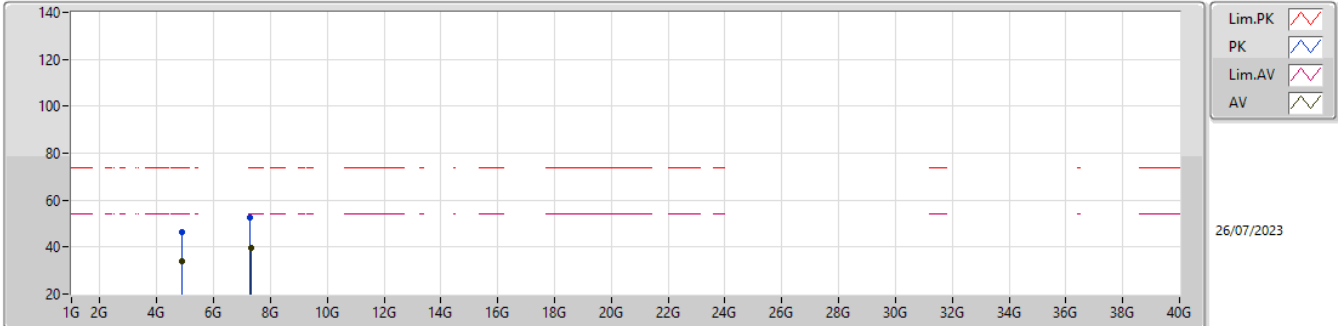


EUT_Z_2TX
 SET 23
 19.5\23
 8.37\6.24

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.38575G	59.69	74.00	-14.31	28.33	3	Vertical	275	2.06	23	27.77	3.59	-
AV	2.38975G	47.16	54.00	-6.84	15.79	3	Vertical	275	2.06	23	27.78	3.59	-
PK	2.441G	120.17	Inf	-Inf	88.67	3	Vertical	275	2.06	23	27.88	3.62	-
AV	2.436G	109.86	Inf	-Inf	78.37	3	Vertical	275	2.06	23	27.87	3.62	-
PK	2.487G	59.81	74.00	-14.19	28.05	3	Vertical	275	2.06	23	28.12	3.64	-
AV	2.4855G	47.76	54.00	-6.24	16.01	3	Vertical	275	2.06	23	28.11	3.64	-

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

2437MHz_TX

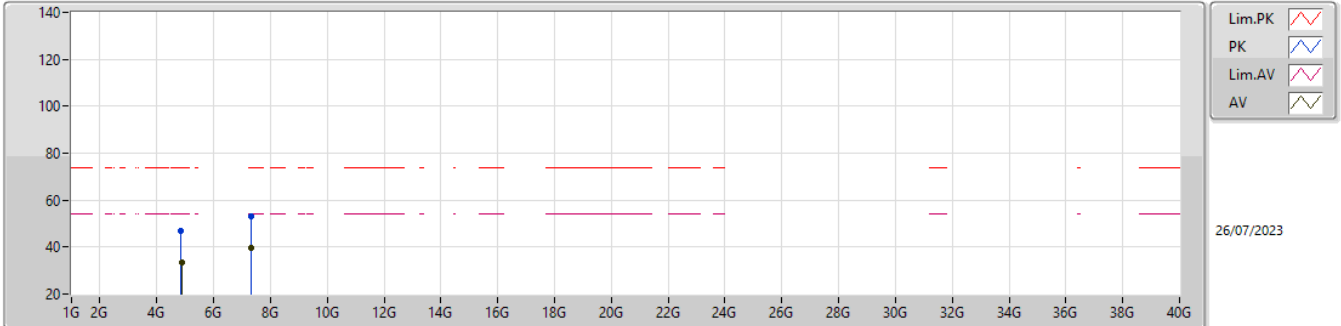


EUT_Z_2TX
 SET 23
 01-W-3
 FSP

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	4.86684G	46.41	74.00	-27.59	40.60	3	Vertical	72	2.95	23	33.00	5.77	32.96
AV	4.87408G	33.96	54.00	-20.04	28.15	3	Vertical	72	2.95	23	33.00	5.77	32.96
PK	7.29776G	52.74	74.00	-21.26	41.10	3	Vertical	144	1.80	23	37.59	7.15	33.10
AV	7.32448G	39.51	54.00	-14.49	27.86	3	Vertical	144	1.80	23	37.60	7.16	33.11

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

2437MHz_TX

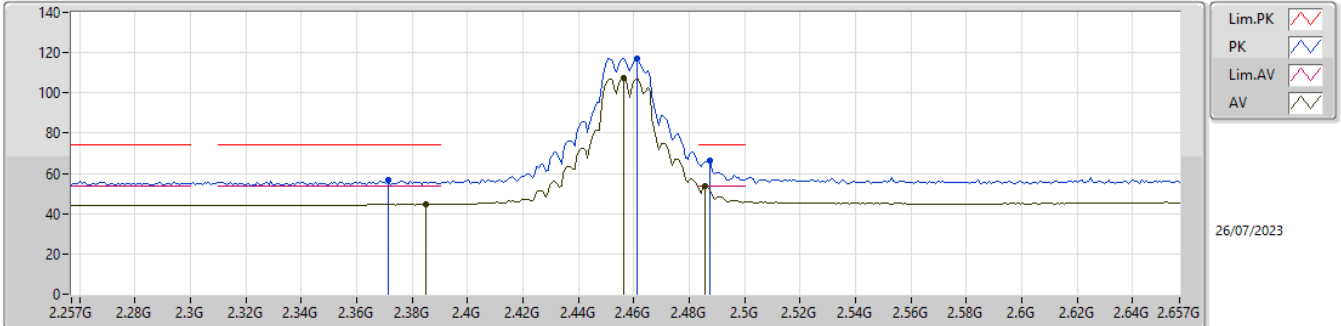


EUT_Z_2TX
 SET 23
 01-W-3
 FSP

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	4.85804G	46.80	74.00	-27.20	41.00	3	Horizontal	121	2.07	23	33.00	5.76	32.96
AV	4.87028G	33.33	54.00	-20.67	27.52	3	Horizontal	121	2.07	23	33.00	5.77	32.96
PK	7.31872G	53.14	74.00	-20.86	41.49	3	Horizontal	256	1.40	23	37.60	7.16	33.11
AV	7.30428G	39.44	54.00	-14.56	27.79	3	Horizontal	256	1.40	23	37.60	7.15	33.10

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

2457MHz_TX

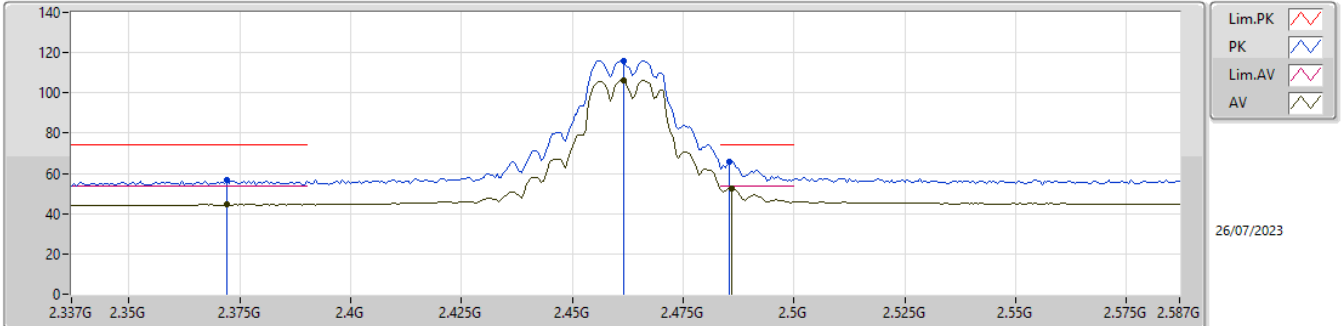


EUT_Z_2TX
SET 21
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3714G	56.48	74.00	-17.52	25.17	3	Vertical	262	1.80	-	27.74	3.57	-
AV	2.385G	44.68	54.00	-9.32	13.32	3	Vertical	262	1.80	-	27.77	3.59	-
PK	2.461G	117.24	Inf	-Inf	85.64	3	Vertical	262	1.80	-	27.97	3.63	-
AV	2.4562G	107.13	Inf	-Inf	75.56	3	Vertical	262	1.80	-	27.94	3.63	-
PK	2.4874G	66.15	74.00	-7.85	34.39	3	Vertical	262	1.80	-	28.12	3.64	-
AV	2.4858G	53.41	54.00	-0.59	21.66	3	Vertical	262	1.80	-	28.11	3.64	-

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

2462MHz_TX

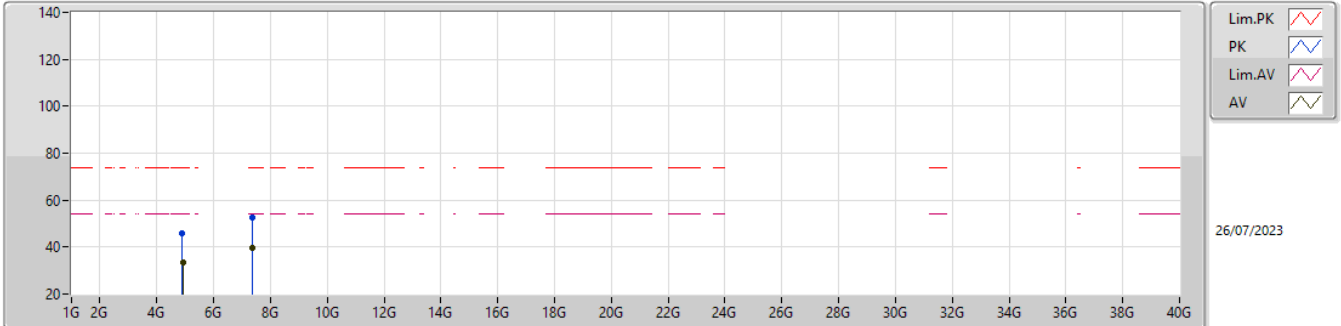


EUT_Z_2TX
SET 20
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.372G	56.45	74.00	-17.55	25.14	3	Vertical	264	1.80	-	27.74	3.57	-
AV	2.372G	44.62	54.00	-9.38	13.31	3	Vertical	264	1.80	-	27.74	3.57	-
PK	2.4615G	116.03	Inf	-Inf	84.43	3	Vertical	264	1.80	-	27.97	3.63	-
AV	2.4615G	106.28	Inf	-Inf	74.68	3	Vertical	264	1.80	-	27.97	3.63	-
PK	2.4855G	65.84	74.00	-8.16	34.09	3	Vertical	264	1.80	-	28.11	3.64	-
AV	2.486G	52.73	54.00	-1.27	20.97	3	Vertical	264	1.80	-	28.12	3.64	-

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

2462MHz_TX

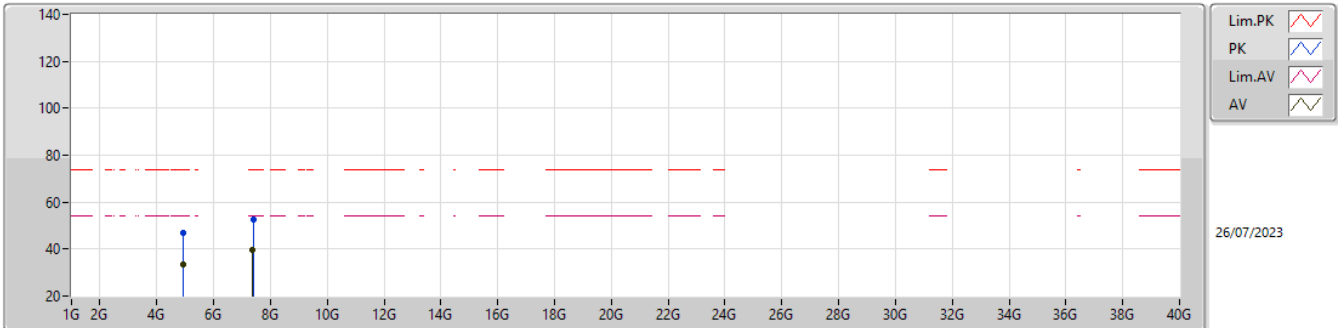


EUT_Z_2TX
 SET 20
 01-W-3
 FSP

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	4.90668G	46.09	74.00	-27.91	40.23	3	Vertical	284	2.65	20	33.00	5.81	32.95
AV	4.93584G	33.24	54.00	-20.76	27.34	3	Vertical	284	2.65	20	33.00	5.84	32.94
PK	7.38252G	52.63	74.00	-21.37	41.03	3	Vertical	178	1.80	20	37.53	7.19	33.12
AV	7.38324G	39.66	54.00	-14.34	28.06	3	Vertical	178	1.80	20	37.53	7.19	33.12

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

2462MHz_TX

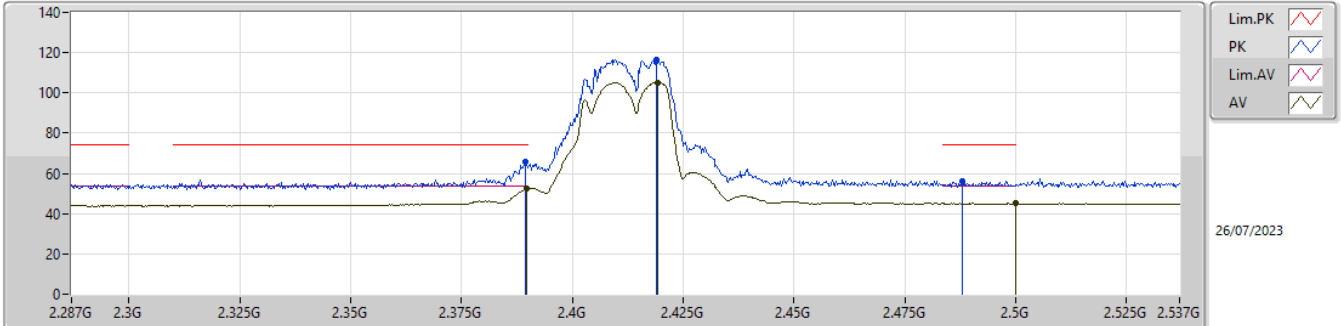


EUT_Z_2TX
 SET 20
 01-W-3
 FSP

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	4.92552G	46.70	74.00	-27.30	40.82	3	Horizontal	272	1.80	20	33.00	5.83	32.95
AV	4.9376G	33.43	54.00	-20.57	27.53	3	Horizontal	272	1.80	20	33.00	5.84	32.94
PK	7.3872G	52.79	74.00	-21.21	41.20	3	Horizontal	299	1.80	20	37.53	7.19	33.13
AV	7.37132G	39.72	54.00	-14.28	28.09	3	Horizontal	299	1.80	20	37.56	7.19	33.12

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

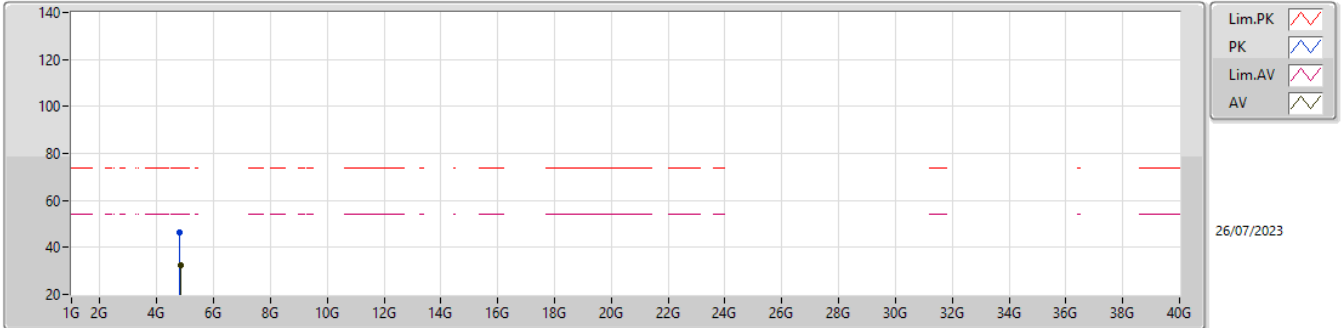


EUT_Z_2TX
 SET 19.5
 19.5\21.5\20.5\20\19.5
 1.24\10.47\4.37\1.71\1.64

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3895G	65.69	74.00	-8.31	34.32	3	Vertical	270	1.80	19.5	27.78	3.59	-
AV	2.38975G	52.36	54.00	-1.64	20.99	3	Vertical	270	1.80	19.5	27.78	3.59	-
PK	2.419G	116.39	Inf	-Inf	84.94	3	Vertical	270	1.80	19.5	27.84	3.61	-
AV	2.41925G	105.23	Inf	-Inf	73.78	3	Vertical	270	1.80	19.5	27.84	3.61	-
PK	2.488G	56.00	74.00	-18.00	24.23	3	Vertical	270	1.80	19.5	28.13	3.64	-
AV	2.5G	45.12	54.00	-8.88	13.27	3	Vertical	270	1.80	19.5	28.20	3.65	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

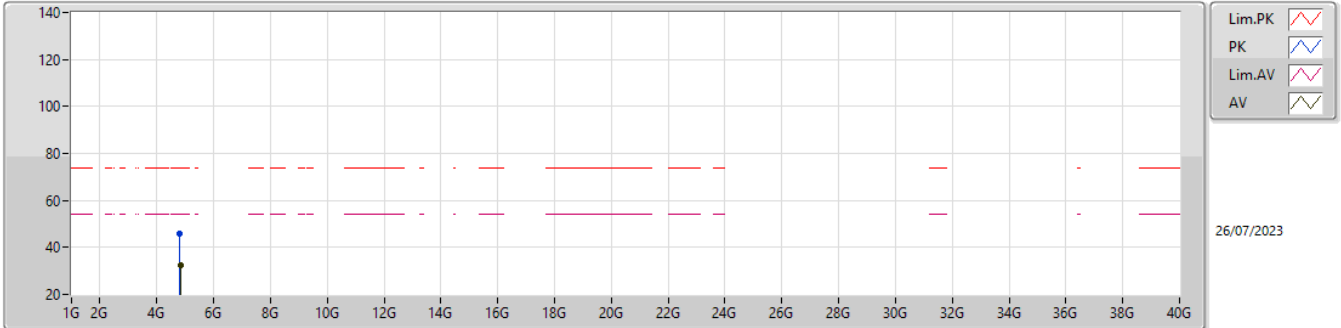


EUT_Z_2TX
 SET 19.5
 01-W-3
 FSP

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	4.81472G	46.22	74.00	-27.78	40.69	3	Vertical	323	1.80	19.5	32.79	5.71	32.97
AV	4.82748G	32.52	54.00	-21.48	26.90	3	Vertical	323	1.80	19.5	32.86	5.73	32.97

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

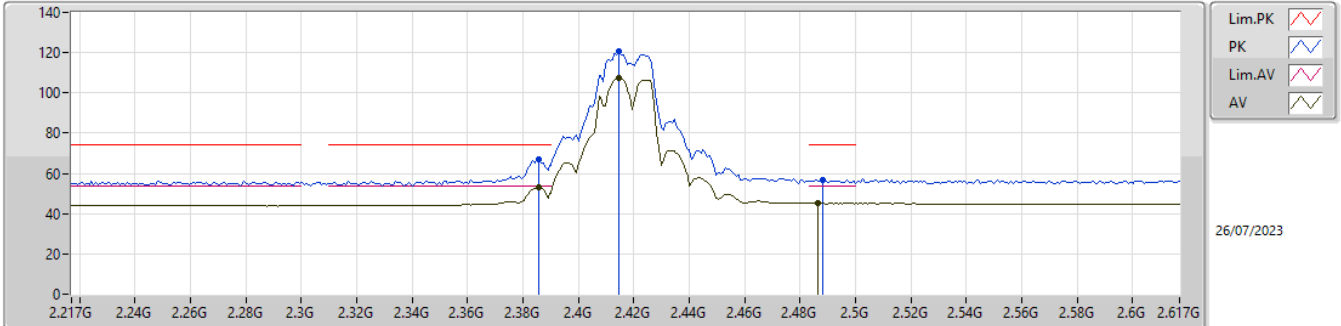


EUT_Z_2TX
 SET 19.5
 01-W-3
 FSP

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	4.81968G	45.70	74.00	-28.30	40.13	3	Horizontal	48	1.21	19.5	32.82	5.72	32.97
AV	4.83148G	32.47	54.00	-21.53	26.82	3	Horizontal	48	1.21	19.5	32.89	5.73	32.97

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

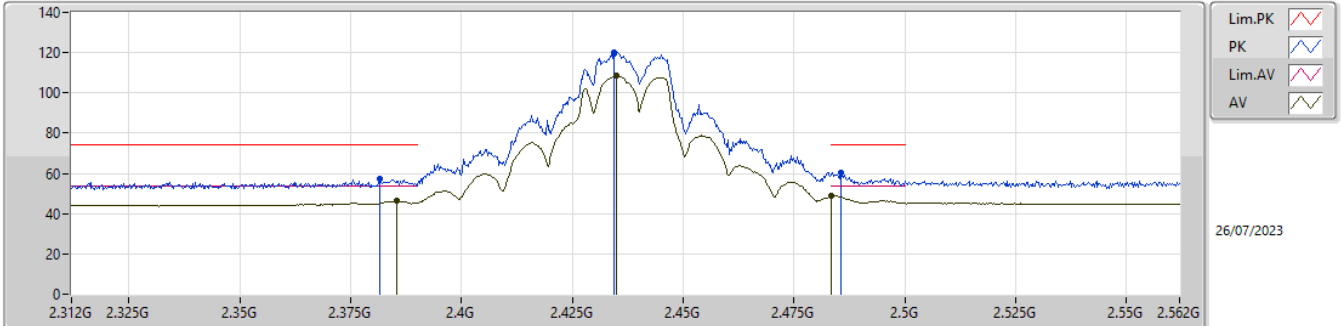


EUT_Z_2TX
SET 21.5
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	66.78	74.00	-7.22	35.42	3	Vertical	267	1.80	-	27.77	3.59	-
AV	2.3858G	53.10	54.00	-0.90	21.74	3	Vertical	267	1.80	-	27.77	3.59	-
PK	2.4146G	120.93	Inf	-Inf	89.49	3	Vertical	267	1.80	-	27.83	3.61	-
AV	2.4146G	107.21	Inf	-Inf	75.77	3	Vertical	267	1.80	-	27.83	3.61	-
PK	2.4882G	56.99	74.00	-17.01	25.22	3	Vertical	267	1.80	-	28.13	3.64	-
AV	2.4866G	45.24	54.00	-8.76	13.48	3	Vertical	267	1.80	-	28.12	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

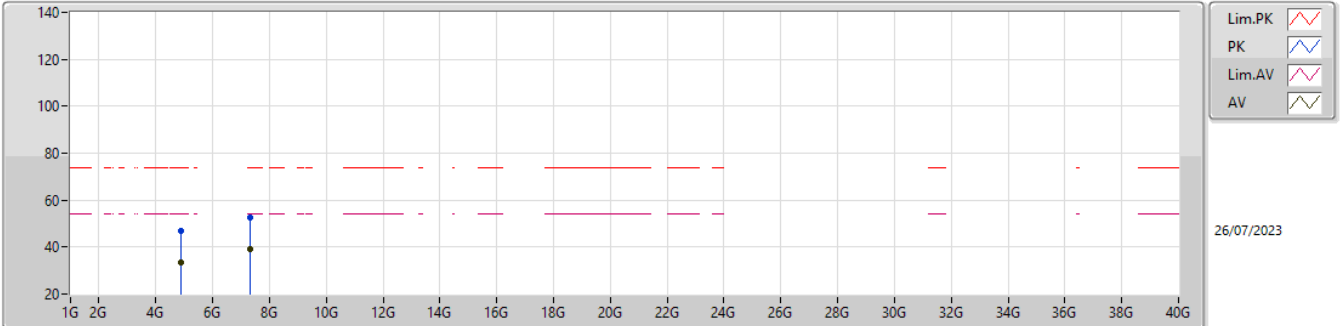


EUT_Z_2TX
 SET 23
 23
 5.21

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3815G	57.19	74.00	-16.81	25.85	3	Vertical	270	1.80	23	27.76	3.58	-
AV	2.3855G	46.24	54.00	-7.76	14.88	3	Vertical	270	1.80	23	27.77	3.59	-
PK	2.4345G	120.16	Inf	-Inf	88.67	3	Vertical	270	1.80	23	27.87	3.62	-
AV	2.435G	108.45	Inf	-Inf	76.96	3	Vertical	270	1.80	23	27.87	3.62	-
PK	2.4855G	60.42	74.00	-13.58	28.67	3	Vertical	270	1.80	23	28.11	3.64	-
AV	2.4835G	48.79	54.00	-5.21	17.05	3	Vertical	270	1.80	23	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

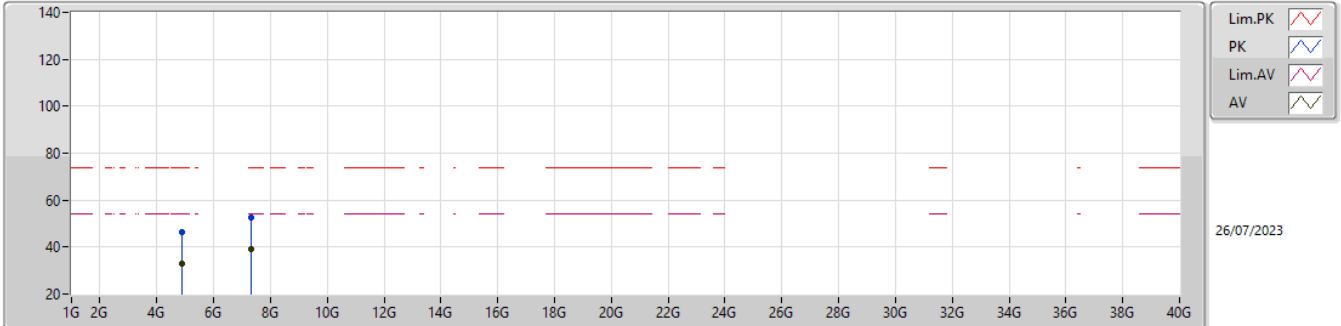


EUT_Z_2TX
 SET 23
 01-W-3
 FSP

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	4.87516G	46.80	74.00	-27.20	40.98	3	Vertical	78	2.95	23	33.00	5.78	32.96
AV	4.87396G	33.34	54.00	-20.66	27.53	3	Vertical	78	2.95	23	33.00	5.77	32.96
PK	7.30356G	52.62	74.00	-21.38	40.97	3	Vertical	204	1.80	23	37.60	7.15	33.10
AV	7.31356G	39.11	54.00	-14.89	27.45	3	Vertical	204	1.80	23	37.60	7.16	33.10

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

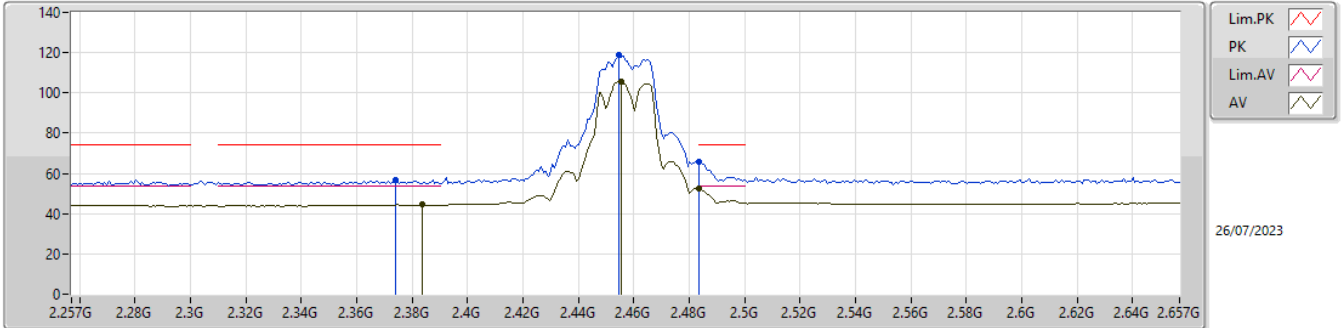


EUT_Z_2TX
 SET 23
 01-W-3
 FSP

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	4.86856G	46.61	74.00	-27.39	40.80	3	Horizontal	360	2.74	23	33.00	5.77	32.96
AV	4.87396G	32.89	54.00	-21.11	27.08	3	Horizontal	360	2.74	23	33.00	5.77	32.96
PK	7.30268G	52.33	74.00	-21.67	40.68	3	Horizontal	345	1.15	23	37.60	7.15	33.10
AV	7.30488G	38.95	54.00	-15.05	27.30	3	Horizontal	345	1.15	23	37.60	7.15	33.10

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

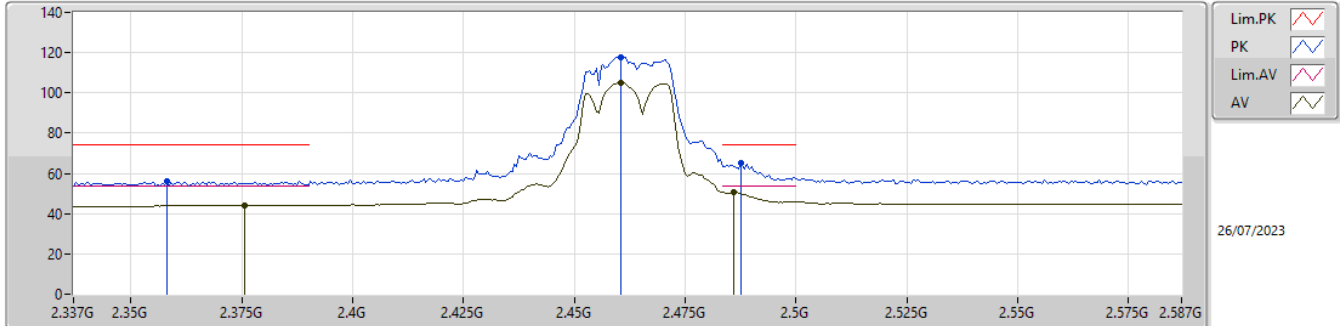


EUT_Z_2TX
SET 20.5
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3738G	56.70	74.00	-17.30	25.38	3	Vertical	259	1.80	-	27.75	3.57	-
AV	2.3834G	44.42	54.00	-9.58	13.07	3	Vertical	259	1.80	-	27.77	3.58	-
PK	2.4546G	118.83	Inf	-Inf	87.27	3	Vertical	259	1.80	-	27.93	3.63	-
AV	2.4554G	105.56	Inf	-Inf	74.00	3	Vertical	259	1.80	-	27.93	3.63	-
PK	2.4835G	65.90	74.00	-8.10	34.16	3	Vertical	259	1.80	-	28.10	3.64	-
AV	2.4835G	52.33	54.00	-1.67	20.59	3	Vertical	259	1.80	-	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

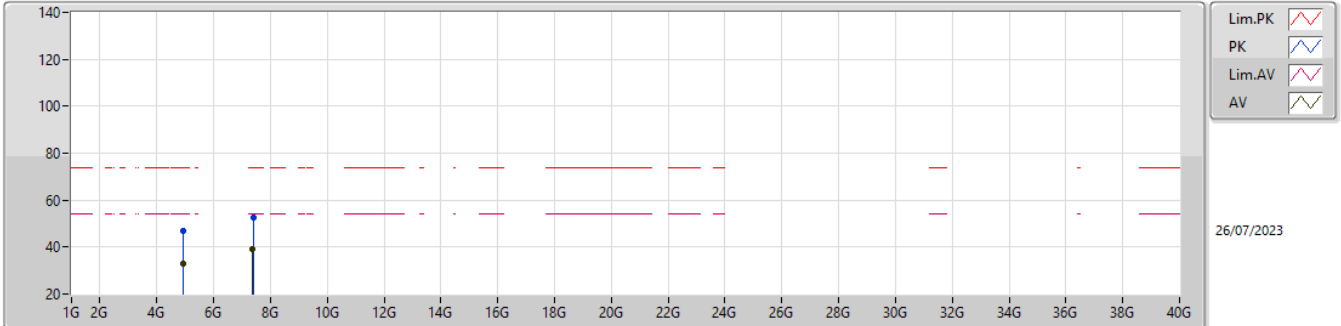


EUT_Z_2TX
SET 20
01-F-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.358G	56.26	74.00	-17.74	24.98	3	Vertical	270	1.80	-	27.72	3.56	-
AV	2.3755G	44.06	54.00	-9.94	12.73	3	Vertical	270	1.80	-	27.75	3.58	-
PK	2.4605G	117.92	Inf	-Inf	86.33	3	Vertical	270	1.80	-	27.96	3.63	-
AV	2.4605G	105.05	Inf	-Inf	73.46	3	Vertical	270	1.80	-	27.96	3.63	-
PK	2.4875G	65.35	74.00	-8.65	33.59	3	Vertical	270	1.80	-	28.12	3.64	-
AV	2.486G	50.59	54.00	-3.41	18.83	3	Vertical	270	1.80	-	28.12	3.64	-

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

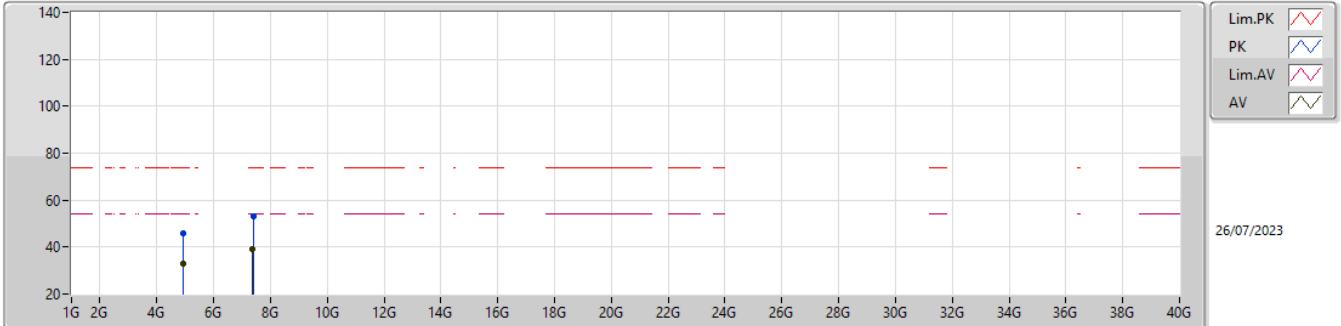


EUT_Z_2TX
 SET 20
 01-W-3
 FSP

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	4.94192G	46.90	74.00	-27.10	41.00	3	Vertical	274	1.05	20	33.00	5.84	32.94
AV	4.93556G	32.79	54.00	-21.21	26.89	3	Vertical	274	1.05	20	33.00	5.84	32.94
PK	7.39332G	52.56	74.00	-21.44	40.98	3	Vertical	9	1.55	20	37.51	7.20	33.13
AV	7.38184G	39.25	54.00	-14.75	27.64	3	Vertical	9	1.55	20	37.54	7.19	33.12

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

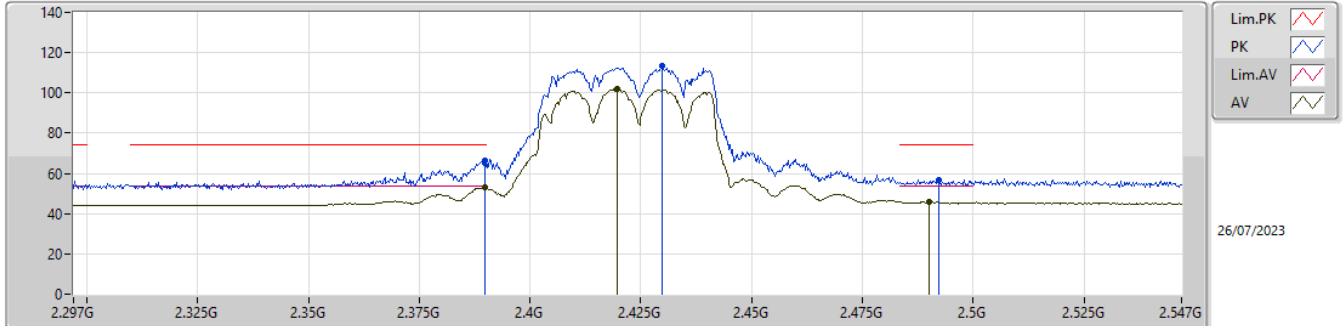


EUT_Z_2TX
 SET 20
 01-W-3
 FSP

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	4.92752G	46.03	74.00	-27.97	40.15	3	Horizontal	194	1.80	20	33.00	5.83	32.95
AV	4.94028G	32.70	54.00	-21.30	26.80	3	Horizontal	194	1.80	20	33.00	5.84	32.94
PK	7.39348G	53.12	74.00	-20.88	41.54	3	Horizontal	101	2.94	20	37.51	7.20	33.13
AV	7.37212G	39.24	54.00	-14.76	27.61	3	Horizontal	101	2.94	20	37.56	7.19	33.12

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

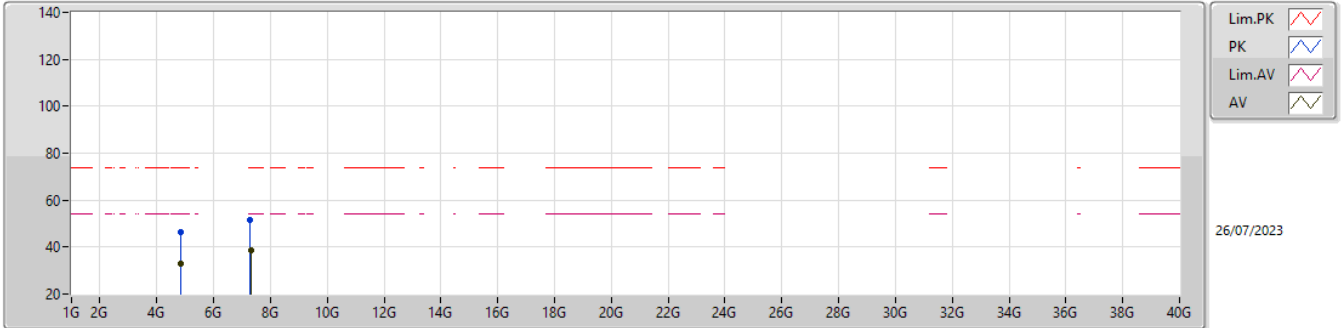


EUT_Z_2TX
 SET 18.5
 15\21\18\19.5\19\18.5
 9.21\14.59\3.99\5.08\1.95\0.96

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.38975G	66.23	74.00	-7.77	34.86	3	Vertical	269	1.80	18.5	27.78	3.59	-
AV	2.38975G	53.04	54.00	-0.96	21.67	3	Vertical	269	1.80	18.5	27.78	3.59	-
PK	2.42975G	113.56	Inf	-Inf	82.09	3	Vertical	269	1.80	18.5	27.86	3.61	-
AV	2.41975G	102.07	Inf	-Inf	70.62	3	Vertical	269	1.80	18.5	27.84	3.61	-
PK	2.49225G	56.97	74.00	-17.03	25.17	3	Vertical	269	1.80	18.5	28.15	3.65	-
AV	2.49G	45.86	54.00	-8.14	14.07	3	Vertical	269	1.80	18.5	28.14	3.65	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

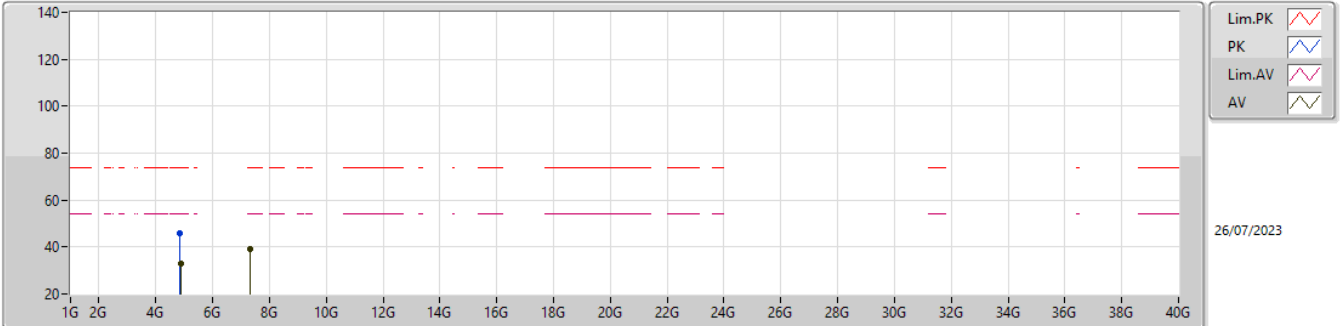


EUT_Z_2TX
 SET 18.5
 01-W-3
 FSP

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	4.84544G	46.28	74.00	-27.72	40.52	3	Vertical	250	1.63	18.5	32.97	5.75	32.96
AV	4.86144G	32.72	54.00	-21.28	26.92	3	Vertical	250	1.63	18.5	33.00	5.76	32.96
PK	7.27096G	51.70	74.00	-22.30	40.17	3	Vertical	98	1.72	18.5	37.48	7.14	33.09
AV	7.30416G	38.86	54.00	-15.14	27.21	3	Vertical	98	1.72	18.5	37.60	7.15	33.10

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

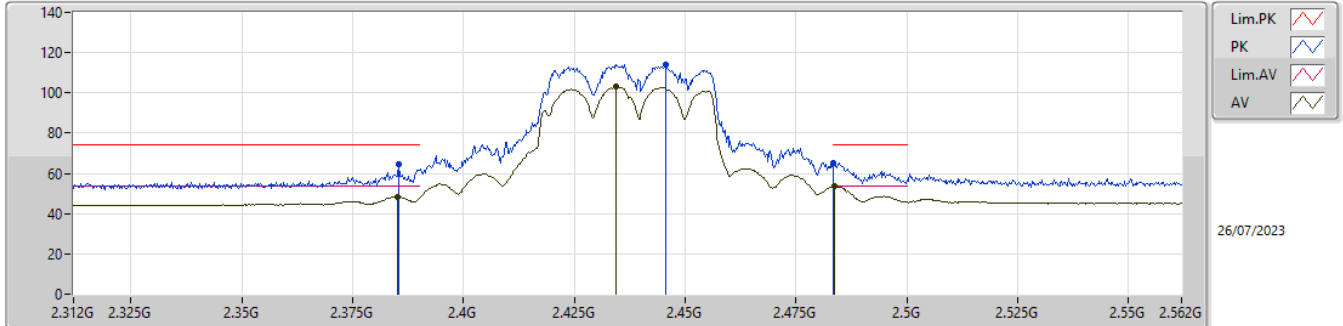


EUT_Z_2TX
 SET 18.5
 01-W-3
 FSP

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)
AV	4.87264G	32.70	54.00	-21.30	26.89	3	Horizontal	360	1.80	18.5	33.00	5.77	32.96
PK	4.83608G	45.94	74.00	-28.06	40.25	3	Horizontal	360	1.80	18.5	32.92	5.74	32.97
AV	7.30552G	38.88	54.00	-15.12	27.23	3	Horizontal	129	1.80	18.5	37.60	7.15	33.10

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

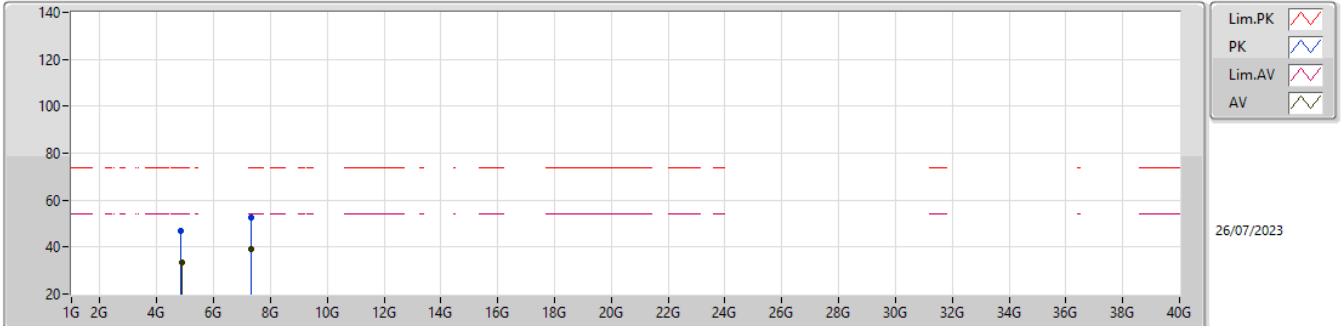


EUT_Z_2TX
 SET 19.5
 18.5\22.5\20.5\19.5\20\19.5
 4.41\ -16.16\ -4.19\0.59\ -1.52\0.49

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3855G	64.56	74.00	-9.44	33.20	3	Vertical	279	2.04	19.5	27.77	3.59	-
AV	2.385G	48.35	54.00	-5.65	16.99	3	Vertical	279	2.04	19.5	27.77	3.59	-
PK	2.44575G	114.14	Inf	-Inf	82.63	3	Vertical	279	2.04	19.5	27.89	3.62	-
AV	2.4345G	103.07	Inf	-Inf	71.58	3	Vertical	279	2.04	19.5	27.87	3.62	-
PK	2.4835G	65.11	74.00	-8.89	33.37	3	Vertical	279	2.04	19.5	28.10	3.64	-
AV	2.48375G	53.51	54.00	-0.49	21.77	3	Vertical	279	2.04	19.5	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

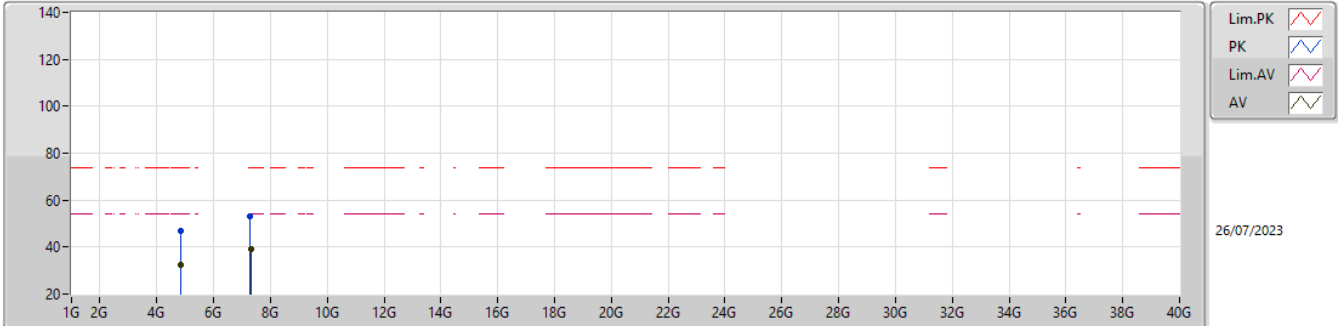


EUT_Z_2TX
 SET 19.5
 01-W-3
 FSP

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	4.83528G	46.64	74.00	-27.36	40.96	3	Vertical	77	2.77	19.5	32.91	5.74	32.97
AV	4.874G	33.36	54.00	-20.64	27.55	3	Vertical	77	2.77	19.5	33.00	5.77	32.96
PK	7.30372G	52.73	74.00	-21.27	41.08	3	Vertical	254	2.26	19.5	37.60	7.15	33.10
AV	7.31428G	39.06	54.00	-14.94	27.40	3	Vertical	254	2.26	19.5	37.60	7.16	33.10

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

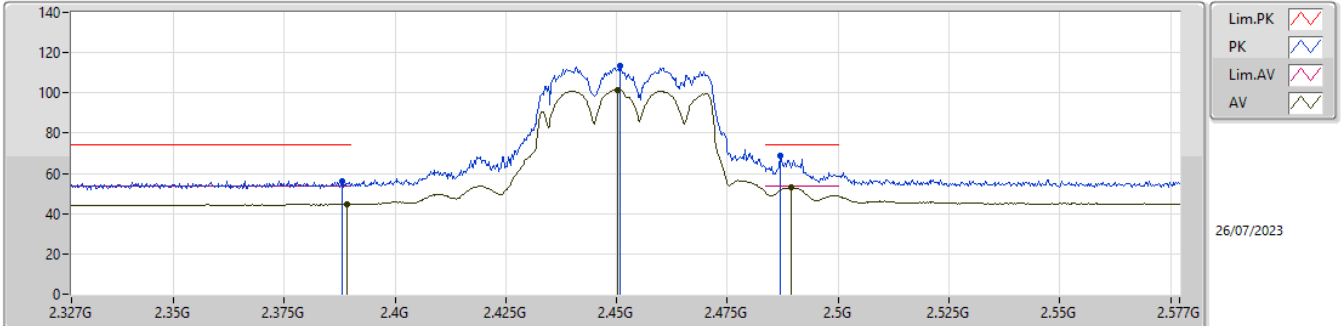


EUT_Z_2TX
 SET 19.5
 01-W-3
 FSP

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	4.86224G	46.73	74.00	-27.27	40.93	3	Horizontal	171	1.80	19.5	33.00	5.76	32.96
AV	4.85376G	32.67	54.00	-21.33	26.88	3	Horizontal	171	1.80	19.5	33.00	5.75	32.96
PK	7.29668G	53.05	74.00	-20.95	41.41	3	Horizontal	359	1.80	19.5	37.59	7.15	33.10
AV	7.321G	38.94	54.00	-15.06	27.29	3	Horizontal	359	1.80	19.5	37.60	7.16	33.11

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

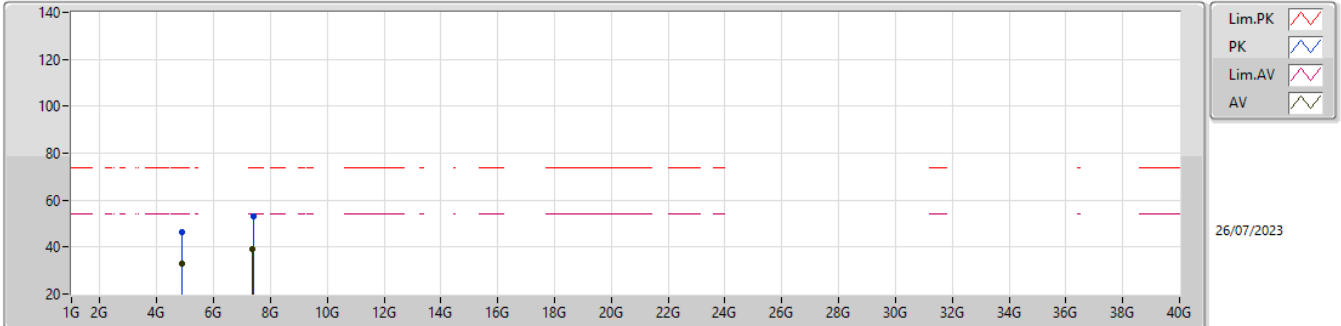


EUT_Z_2TX
 SET 18
 18.5\15.5\17\17.5\18
 -1.15\5.86\3.32\2.18\0.73

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.388G	56.38	74.00	-17.62	25.01	3	Vertical	273	2.08	18	27.78	3.59	-
AV	2.38925G	44.85	54.00	-9.15	13.48	3	Vertical	273	2.08	18	27.78	3.59	-
PK	2.45075G	113.24	Inf	-Inf	81.71	3	Vertical	273	2.08	18	27.90	3.63	-
AV	2.45025G	101.54	Inf	-Inf	70.01	3	Vertical	273	2.08	18	27.90	3.63	-
PK	2.487G	68.63	74.00	-5.37	36.87	3	Vertical	273	2.08	18	28.12	3.64	-
AV	2.48925G	53.27	54.00	-0.73	21.49	3	Vertical	273	2.08	18	28.14	3.64	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

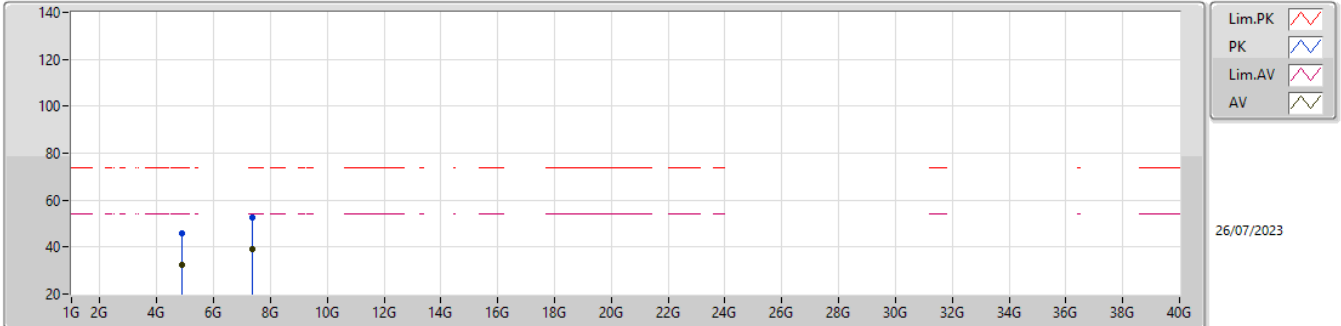


EUT_Z_2TX
 SET 18
 01-W-3
 FSP

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	4.87296G	46.46	74.00	-27.54	40.65	3	Vertical	268	2.73	18	33.00	5.77	32.96
AV	4.86656G	32.70	54.00	-21.30	26.89	3	Vertical	268	2.73	18	33.00	5.77	32.96
PK	7.38808G	53.16	74.00	-20.84	41.58	3	Vertical	33	1.80	18	37.52	7.19	33.13
AV	7.37904G	39.15	54.00	-14.85	27.54	3	Vertical	33	1.80	18	37.54	7.19	33.12

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT_Z_2TX
 SET 18
 01-W-3
 FSP

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	4.88592G	46.08	74.00	-27.92	40.25	3	Horizontal	338	1.80	18	33.00	5.79	32.96
AV	4.8664G	32.66	54.00	-21.34	26.85	3	Horizontal	338	1.80	18	33.00	5.77	32.96
PK	7.37848G	52.43	74.00	-21.57	40.82	3	Horizontal	189	1.80	18	37.54	7.19	33.12
AV	7.37992G	39.18	54.00	-14.82	27.57	3	Horizontal	189	1.80	18	37.54	7.19	33.12

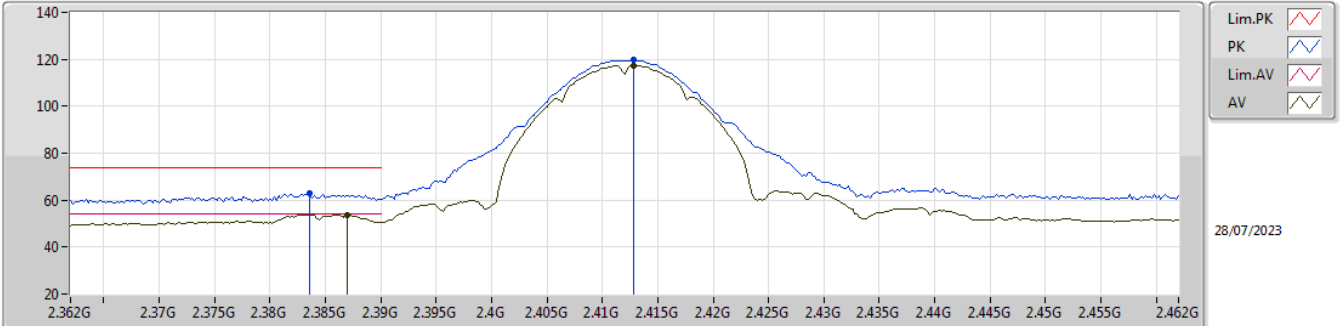


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4886G	53.97	54.00	-0.03	3	Horizontal	4	1.90	-

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

2412MHz_TX

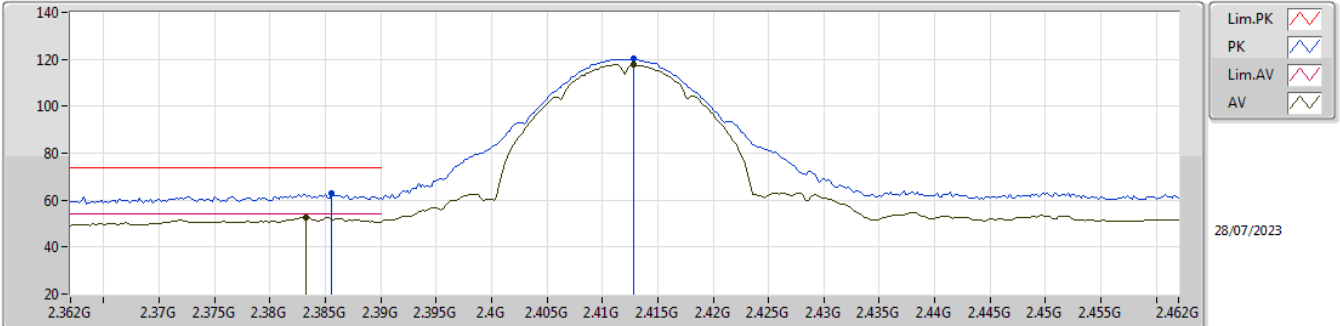


EUT_Z_2TX
Setting 21
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3836G	62.84	74.00	-11.16	31.25	3	Vertical	360	1.65	-	28.40	3.19	-
AV	2.387G	53.77	54.00	-0.23	22.18	3	Vertical	360	1.65	-	28.40	3.19	-
PK	2.4128G	119.77	Inf	-Inf	88.16	3	Vertical	360	1.65	-	28.40	3.21	-
AV	2.4128G	117.49	Inf	-Inf	85.88	3	Vertical	360	1.65	-	28.40	3.21	-

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

2412MHz_TX

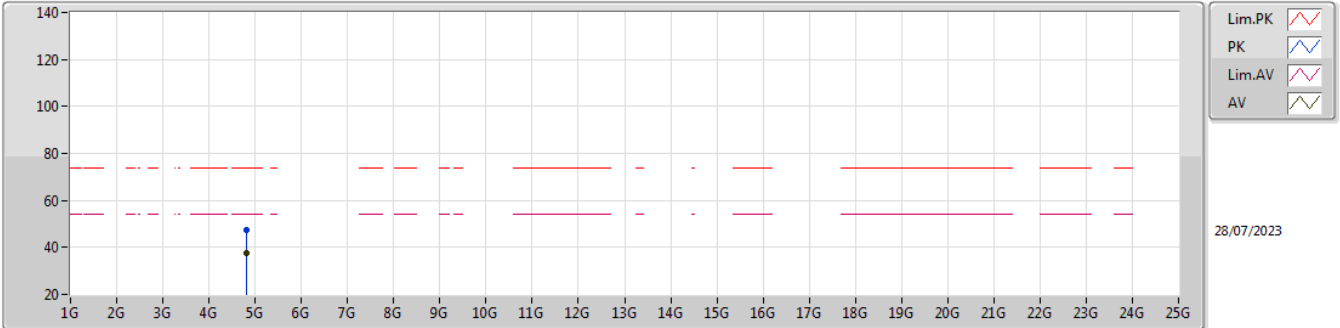


EUT_Z_2TX
Setting 21
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3856G	62.85	74.00	-11.15	31.26	3	Horizontal	2	1.93	-	28.40	3.19	-
AV	2.3832G	52.82	54.00	-1.18	21.23	3	Horizontal	2	1.93	-	28.40	3.19	-
PK	2.4128G	120.11	Inf	-Inf	88.50	3	Horizontal	2	1.93	-	28.40	3.21	-
AV	2.4128G	117.78	Inf	-Inf	86.17	3	Horizontal	2	1.93	-	28.40	3.21	-

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

2412MHz_TX

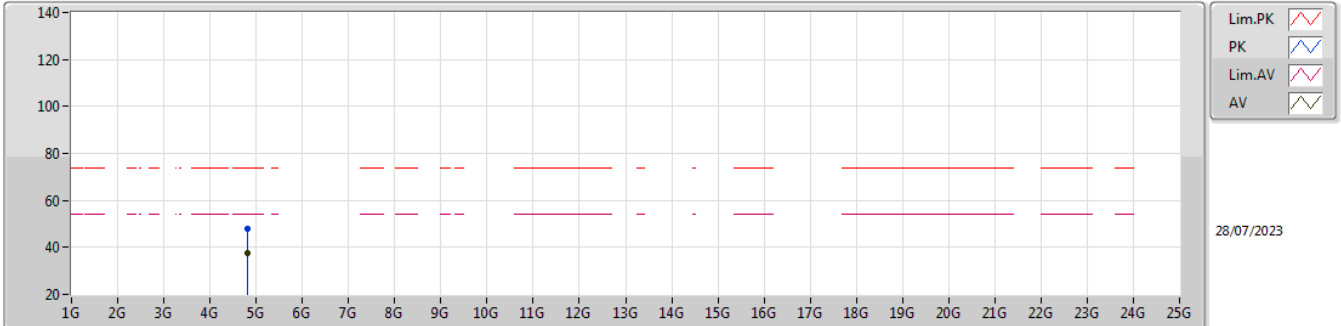


EUT_Z_2TX
Setting 21
02-L-S-5

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	4.82348G	47.49	74.00	-26.51	39.62	3	Vertical	357	1.80	-	32.94	5.61	30.68
AV	4.82396G	37.46	54.00	-16.54	29.59	3	Vertical	357	1.80	-	32.94	5.61	30.68

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

2412MHz_TX

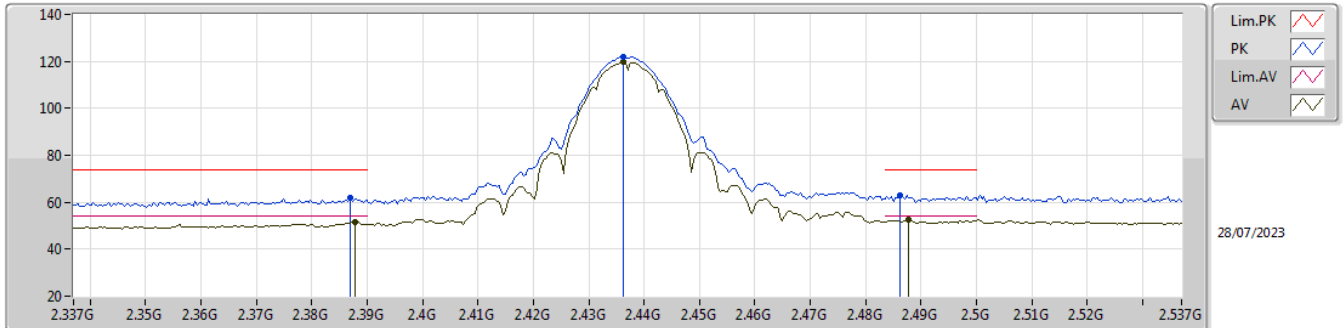


EUT_Z_2TX
Setting 21
02-L-S-5

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	4.81716G	47.96	74.00	-26.04	40.13	3	Horizontal	0	1.80	-	32.90	5.61	30.68
AV	4.82404G	37.70	54.00	-16.30	29.83	3	Horizontal	0	1.80	-	32.94	5.61	30.68

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

2437MHz_TX

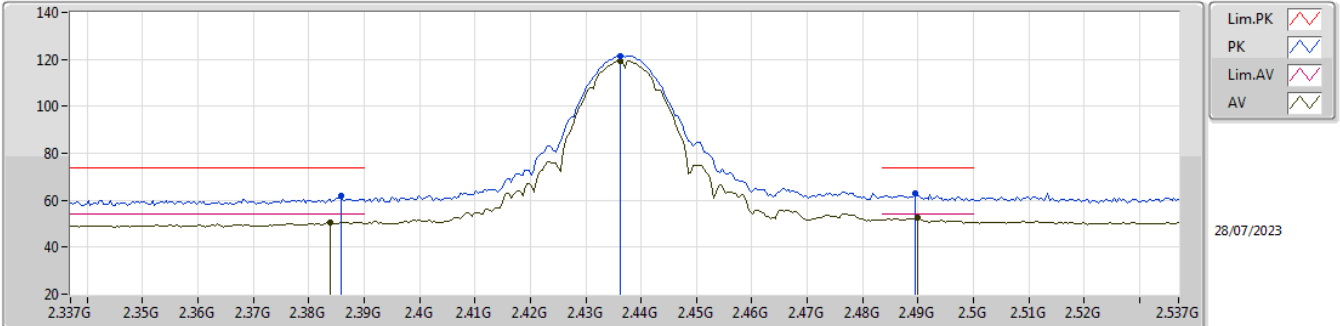


EUT_Z_2TX
Setting 23
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	62.15	74.00	-11.85	30.56	3	Vertical	360	2.13	-	28.40	3.19	-
AV	2.3878G	51.77	54.00	-2.23	20.18	3	Vertical	360	2.13	-	28.40	3.19	-
PK	2.4362G	121.83	Inf	-Inf	90.17	3	Vertical	360	2.13	-	28.44	3.22	-
AV	2.4362G	119.58	Inf	-Inf	87.92	3	Vertical	360	2.13	-	28.44	3.22	-
PK	2.4862G	62.74	74.00	-11.26	31.00	3	Vertical	360	2.13	-	28.50	3.24	-
AV	2.4878G	52.60	54.00	-1.40	20.86	3	Vertical	360	2.13	-	28.50	3.24	-

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

2437MHz_TX

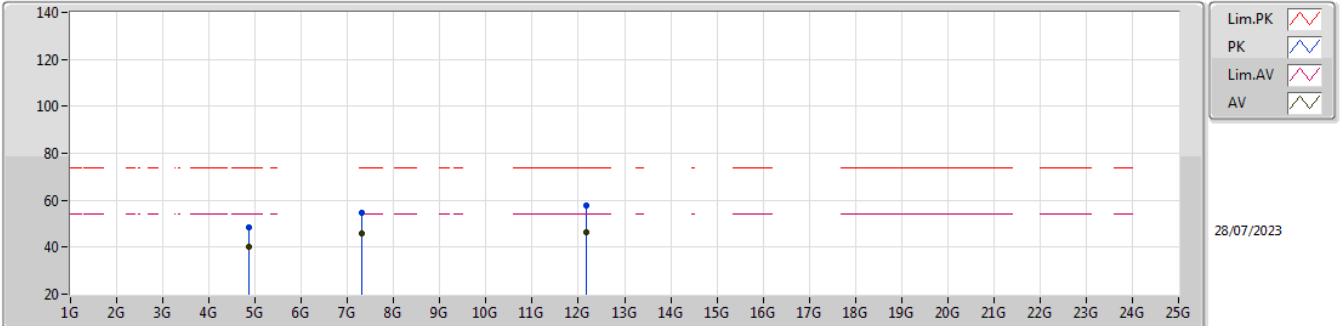


EUT_Z_2TX
Setting 23
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	61.79	74.00	-12.21	30.20	3	Horizontal	360	2.10	-	28.40	3.19	-
AV	2.3838G	50.70	54.00	-3.30	19.11	3	Horizontal	360	2.10	-	28.40	3.19	-
PK	2.4362G	121.58	Inf	-Inf	89.92	3	Horizontal	360	2.10	-	28.44	3.22	-
AV	2.4362G	119.29	Inf	-Inf	87.63	3	Horizontal	360	2.10	-	28.44	3.22	-
PK	2.4894G	63.14	74.00	-10.86	31.40	3	Horizontal	360	2.10	-	28.50	3.24	-
AV	2.4898G	52.44	54.00	-1.56	20.70	3	Horizontal	360	2.10	-	28.50	3.24	-

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

2437MHz_TX

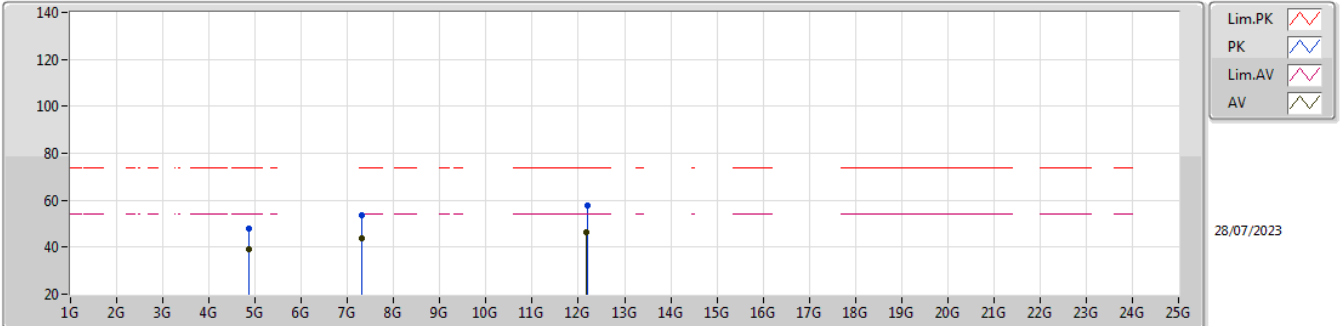


EUT_Z_2TX
Setting 23
02-L-S-5

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	4.8742G	48.24	74.00	-25.76	40.09	3	Vertical	347	1.61	-	33.15	5.64	30.64
AV	4.87384G	40.20	54.00	-13.80	32.05	3	Vertical	347	1.61	-	33.15	5.64	30.64
PK	7.31148G	54.50	74.00	-19.50	43.15	3	Vertical	360	1.66	-	36.62	6.84	32.11
AV	7.31176G	45.84	54.00	-8.16	34.49	3	Vertical	360	1.66	-	36.62	6.84	32.11
PK	12.18176G	57.97	74.00	-16.03	41.36	3	Vertical	76	1.80	-	38.84	9.06	31.29
AV	12.18132G	46.63	54.00	-7.37	30.02	3	Vertical	76	1.80	-	38.84	9.06	31.29

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

2437MHz_TX

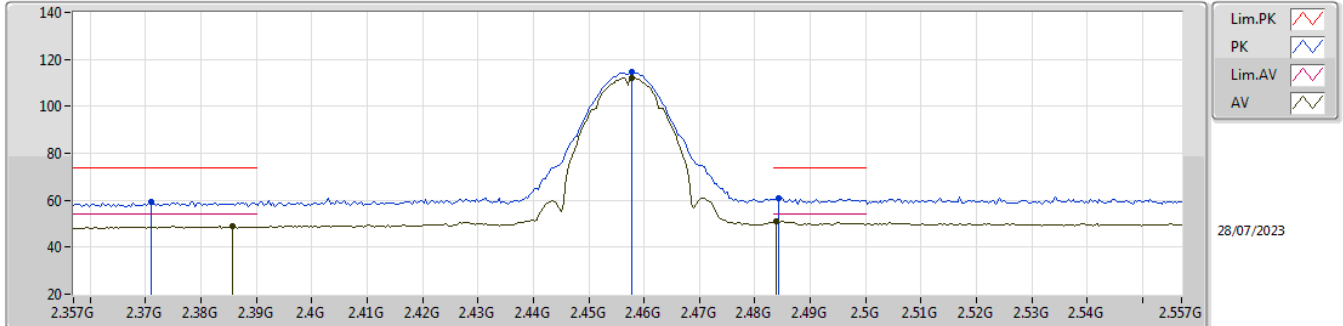


EUT_Z_2TX
Setting 23
02-L-S-5

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	4.87336G	48.09	74.00	-25.91	39.94	3	Horizontal	6	1.74	-	33.15	5.64	30.64
AV	4.874G	39.27	54.00	-14.73	31.12	3	Horizontal	6	1.74	-	33.15	5.64	30.64
PK	7.3112G	53.52	74.00	-20.48	42.17	3	Horizontal	355	1.49	-	36.62	6.84	32.11
AV	7.31172G	43.88	54.00	-10.12	32.53	3	Horizontal	355	1.49	-	36.62	6.84	32.11
PK	12.19316G	57.94	74.00	-16.06	41.35	3	Horizontal	161	1.10	-	38.81	9.07	31.29
AV	12.17908G	46.47	54.00	-7.53	29.86	3	Horizontal	161	1.10	-	38.84	9.06	31.29

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

2457MHz_TX

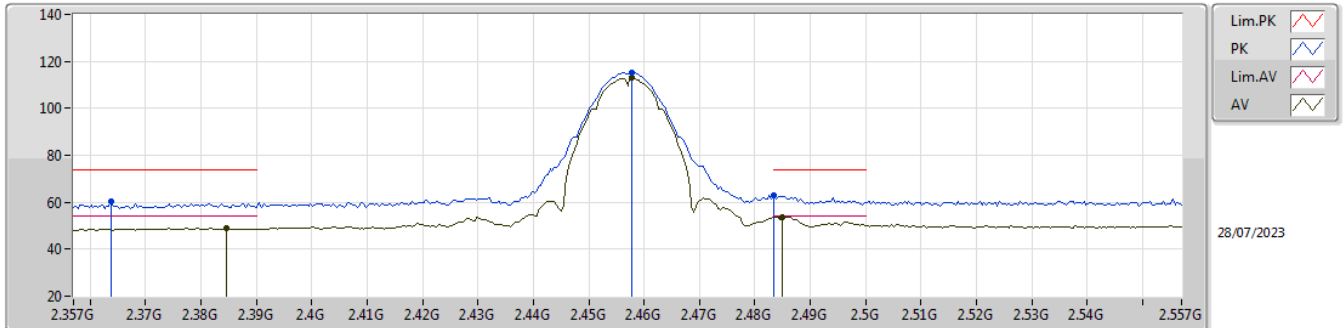


EUT_Z_2TX
Setting 16
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.371G	59.41	74.00	-14.59	27.91	3	Vertical	360	1.72	-	28.31	3.19	-
AV	2.3858G	48.87	54.00	-5.13	17.28	3	Vertical	360	1.72	-	28.40	3.19	-
PK	2.4578G	114.46	Inf	-Inf	82.75	3	Vertical	360	1.72	-	28.48	3.23	-
AV	2.4578G	112.27	Inf	-Inf	80.56	3	Vertical	360	1.72	-	28.48	3.23	-
PK	2.4842G	60.94	74.00	-13.06	29.20	3	Vertical	360	1.72	-	28.50	3.24	-
AV	2.4838G	50.99	54.00	-3.01	19.25	3	Vertical	360	1.72	-	28.50	3.24	-

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

2457MHz_TX

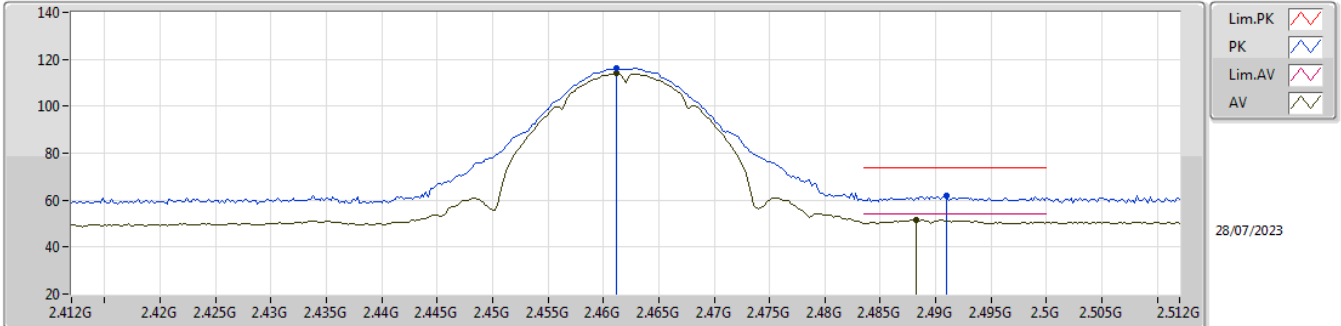


EUT_Z_2TX
Setting 16
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3638G	60.45	74.00	-13.55	29.03	3	Horizontal	4	1.71	-	28.24	3.18	-
AV	2.3846G	48.86	54.00	-5.14	17.27	3	Horizontal	4	1.71	-	28.40	3.19	-
PK	2.4578G	115.13	Inf	-Inf	83.42	3	Horizontal	4	1.71	-	28.48	3.23	-
AV	2.4578G	112.91	Inf	-Inf	81.20	3	Horizontal	4	1.71	-	28.48	3.23	-
PK	2.4835G	62.84	74.00	-11.16	31.10	3	Horizontal	4	1.71	-	28.50	3.24	-
AV	2.485G	53.83	54.00	-0.17	22.09	3	Horizontal	4	1.71	-	28.50	3.24	-

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

2462MHz_TX

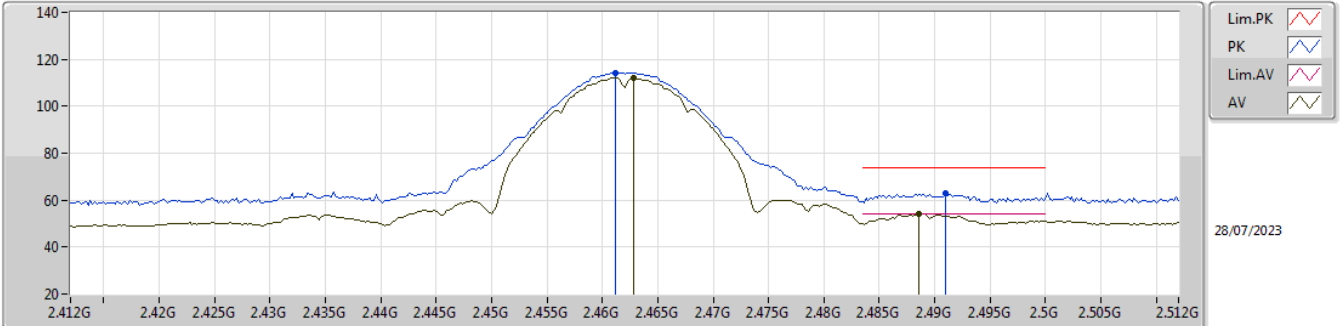


EUT_Z_2TX
Setting 15.5
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	116.20	Inf	-Inf	84.47	3	Vertical	356	1.73	-	28.50	3.23	-
AV	2.4612G	113.90	Inf	-Inf	82.17	3	Vertical	356	1.73	-	28.50	3.23	-
PK	2.491G	62.02	74.00	-11.98	30.26	3	Vertical	356	1.73	-	28.51	3.25	-
AV	2.4882G	51.56	54.00	-2.44	19.82	3	Vertical	356	1.73	-	28.50	3.24	-

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

2462MHz_TX

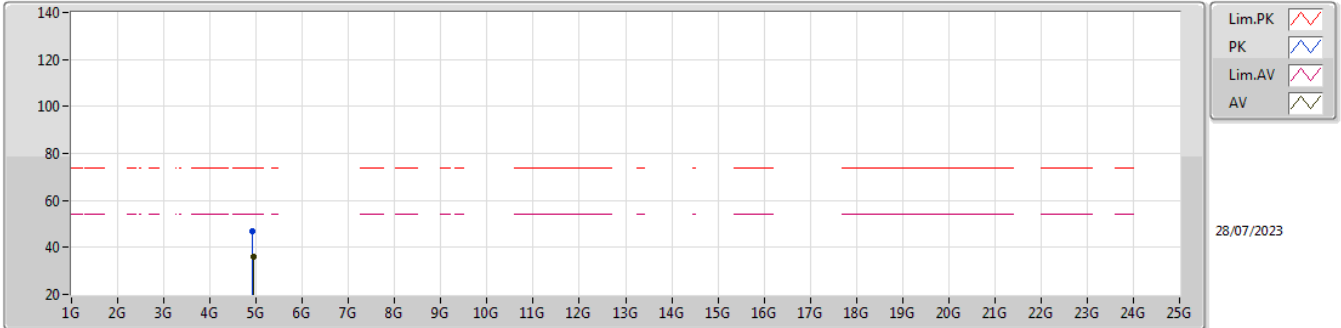


EUT_Z_2TX
Setting 15.5
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	114.38	Inf	-Inf	82.65	3	Horizontal	4	1.90	-	28.50	3.23	-
AV	2.4628G	112.12	Inf	-Inf	80.39	3	Horizontal	4	1.90	-	28.50	3.23	-
PK	2.491G	63.01	74.00	-10.99	31.25	3	Horizontal	4	1.90	-	28.51	3.25	-
AV	2.4886G	53.97	54.00	-0.03	22.23	3	Horizontal	4	1.90	-	28.50	3.24	-

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

2462MHz_TX

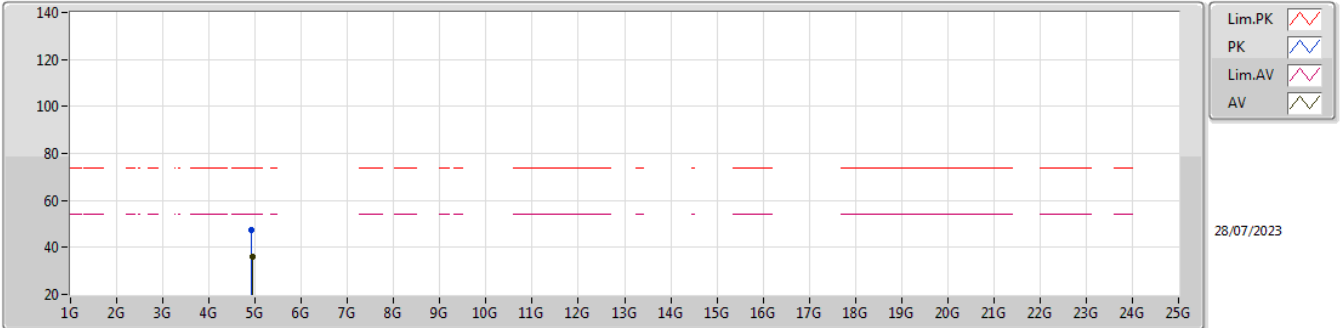


EUT_Z_2TX
Setting 15.5
02-L-S-5

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	4.92624G	46.74	74.00	-27.26	38.44	3	Vertical	120	2.24	-	33.25	5.66	30.61
AV	4.93208G	36.28	54.00	-17.72	27.95	3	Vertical	120	2.24	-	33.26	5.67	30.60

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

2462MHz_TX

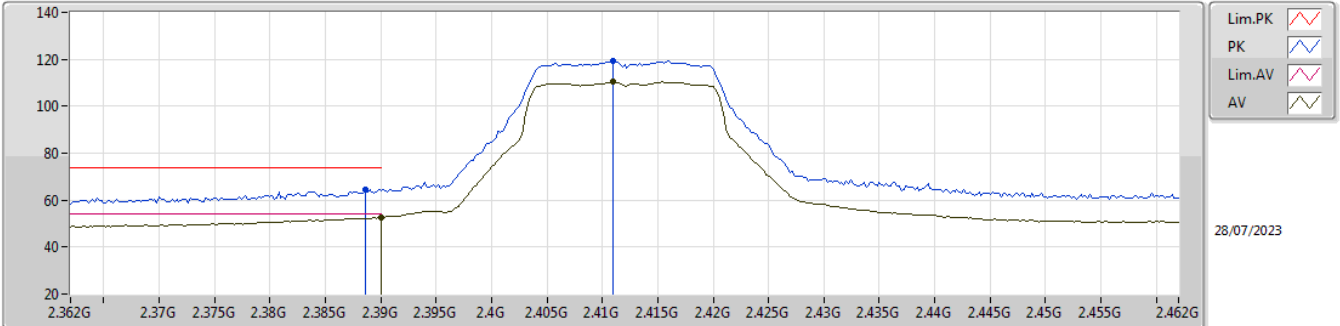


EUT_Z_2TX
Setting 15.5
02-L-S-5

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	4.92G	47.24	74.00	-26.76	38.95	3	Horizontal	44	1.56	-	33.24	5.66	30.61			
AV	4.93276G	36.08	54.00	-17.92	27.74	3	Horizontal	44	1.56	-	33.27	5.67	30.60			

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

2412MHz_TX

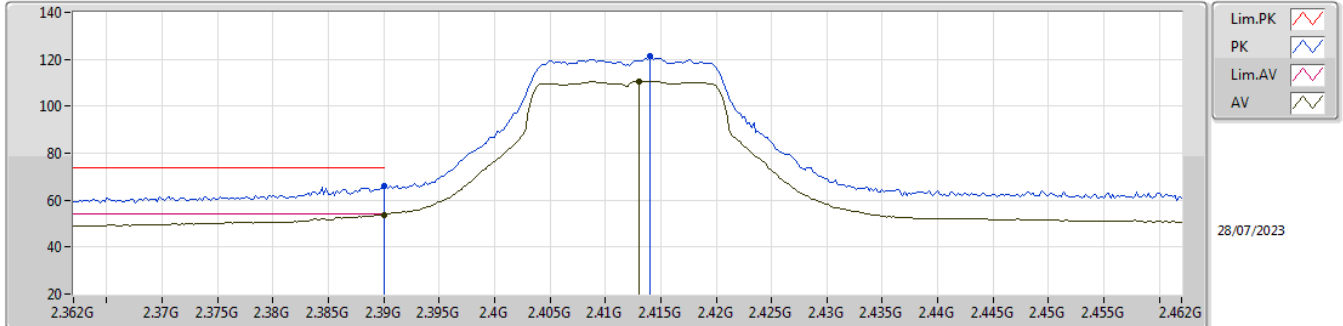


EUT_Z_2TX
 Setting 18.5
 02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	64.42	74.00	-9.58	32.83	3	Vertical	359	1.69	-	28.40	3.19	-
AV	2.39G	52.59	54.00	-1.41	20.99	3	Vertical	359	1.69	-	28.40	3.20	-
PK	2.411G	119.43	Inf	-Inf	87.82	3	Vertical	359	1.69	-	28.40	3.21	-
AV	2.411G	110.27	Inf	-Inf	78.66	3	Vertical	359	1.69	-	28.40	3.21	-

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

2412MHz_TX

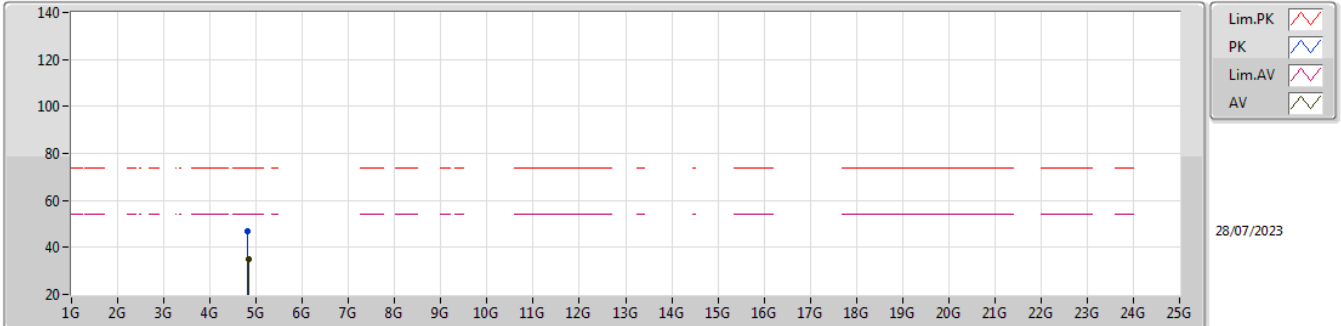


EUT_Z_2TX
Setting 18.5
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	66.22	74.00	-7.78	34.62	3	Horizontal	360	1.71	-	28.40	3.20	-
AV	2.39G	53.84	54.00	-0.16	22.24	3	Horizontal	360	1.71	-	28.40	3.20	-
PK	2.414G	121.14	Inf	-Inf	89.53	3	Horizontal	360	1.71	-	28.40	3.21	-
AV	2.413G	110.76	Inf	-Inf	79.15	3	Horizontal	360	1.71	-	28.40	3.21	-

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

2412MHz_TX

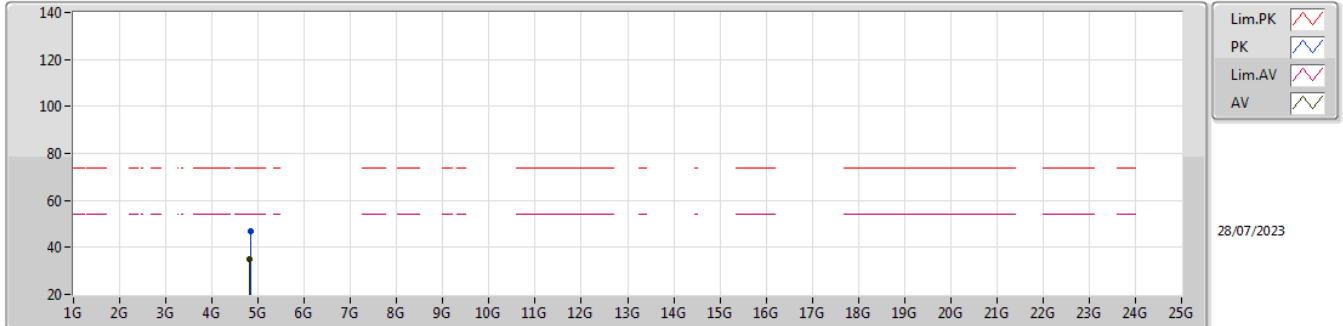


EUT_Z_2TX
Setting 18.5
02-L-S-5

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	4.81796G	46.90	74.00	-27.10	39.06	3	Vertical	16	1.27	-	32.91	5.61	30.68
AV	4.82476G	35.03	54.00	-18.97	27.15	3	Vertical	16	1.27	-	32.95	5.61	30.68

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

2412MHz_TX

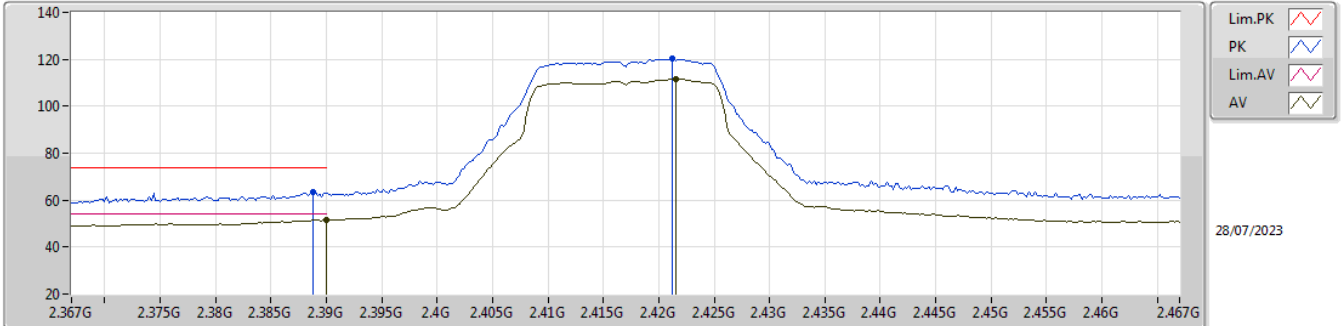


EUT_Z_2TX
Setting 18.5
02-L-S-5

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	4.83128G	46.86	74.00	-27.14	38.92	3	Horizontal	232	1.44	-	32.99	5.62	30.67
AV	4.82452G	35.03	54.00	-18.97	27.15	3	Horizontal	232	1.44	-	32.95	5.61	30.68

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

2417MHz_TX

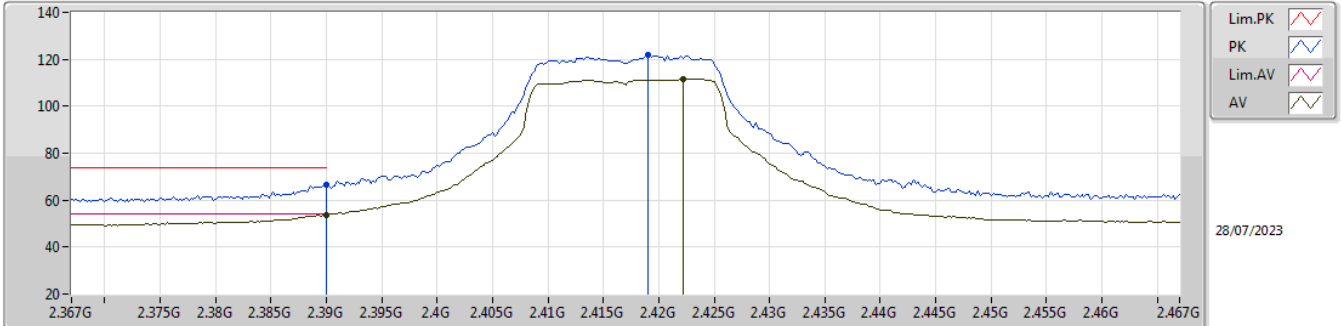


EUT_Z_2TX
Setting 19.5
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	63.62	74.00	-10.38	32.03	3	Vertical	356	1.85	-	28.40	3.19	-
AV	2.39G	51.64	54.00	-2.36	20.04	3	Vertical	356	1.85	-	28.40	3.20	-
PK	2.4212G	120.09	Inf	-Inf	88.47	3	Vertical	356	1.85	-	28.41	3.21	-
AV	2.4216G	111.48	Inf	-Inf	79.85	3	Vertical	356	1.85	-	28.42	3.21	-

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

2417MHz_TX

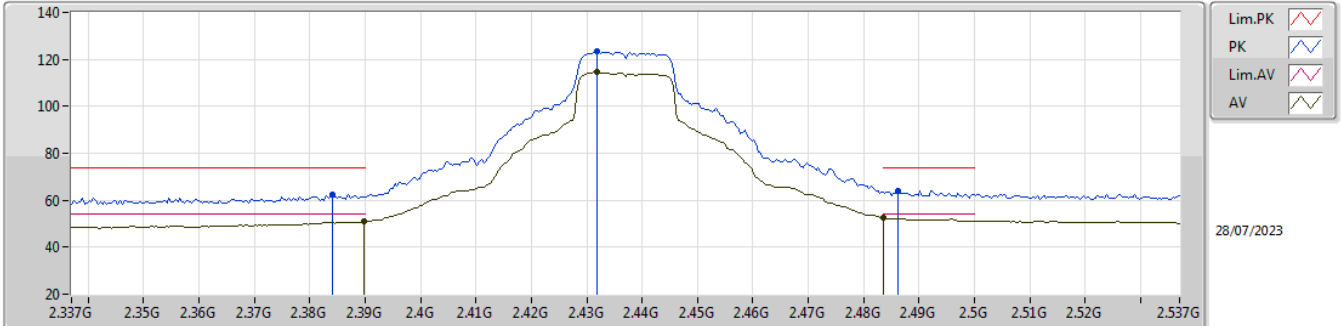


EUT_Z_2TX
Setting 19.5
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	66.44	74.00	-7.56	34.84	3	Horizontal	4	1.81	-	28.40	3.20	-
AV	2.39G	53.71	54.00	-0.29	22.11	3	Horizontal	4	1.81	-	28.40	3.20	-
PK	2.419G	121.71	Inf	-Inf	90.10	3	Horizontal	4	1.81	-	28.40	3.21	-
AV	2.422G	111.57	Inf	-Inf	79.94	3	Horizontal	4	1.81	-	28.42	3.21	-

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

2437MHz_TX

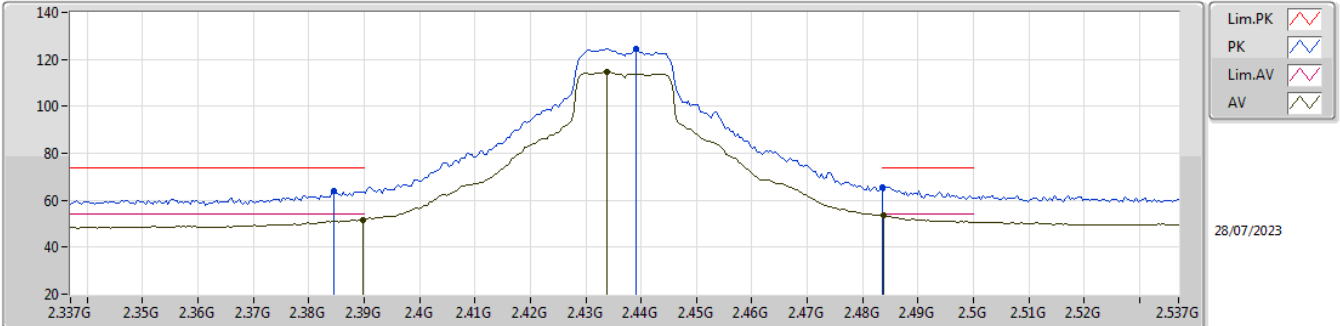


EUT_Z_2TX
Setting 22.5
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3842G	62.61	74.00	-11.39	31.02	3	Vertical	360	2.01	-	28.40	3.19	-
AV	2.3898G	50.93	54.00	-3.07	19.34	3	Vertical	360	2.01	-	28.40	3.19	-
PK	2.4318G	123.28	Inf	-Inf	91.58	3	Vertical	360	2.01	-	28.48	3.22	-
AV	2.4318G	114.57	Inf	-Inf	82.87	3	Vertical	360	2.01	-	28.48	3.22	-
PK	2.4862G	63.97	74.00	-10.03	32.23	3	Vertical	360	2.01	-	28.50	3.24	-
AV	2.4835G	52.60	54.00	-1.40	20.86	3	Vertical	360	2.01	-	28.50	3.24	-

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

2437MHz_TX

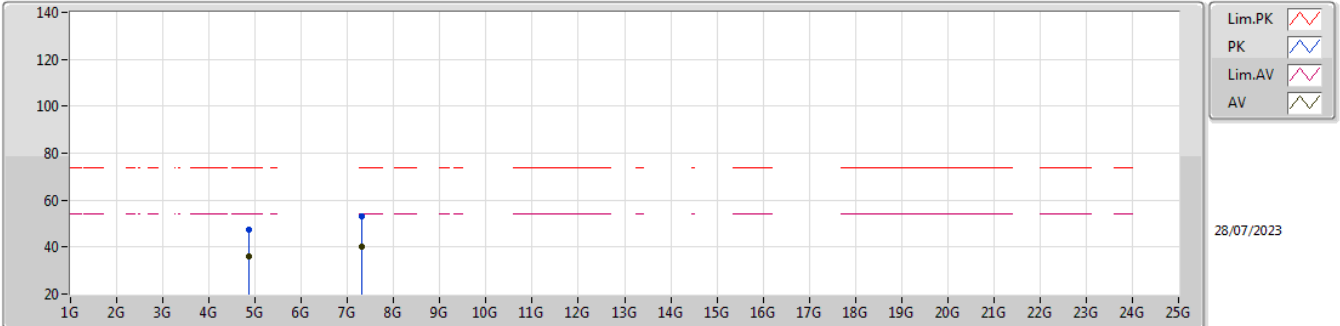


EUT_Z_2TX
Setting 22.5
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	63.71	74.00	-10.29	32.12	3	Horizontal	360	1.90	-	28.40	3.19	-
AV	2.3898G	51.63	54.00	-2.37	20.04	3	Horizontal	360	1.90	-	28.40	3.19	-
PK	2.439G	124.30	Inf	-Inf	92.67	3	Horizontal	360	1.90	-	28.41	3.22	-
AV	2.4338G	114.76	Inf	-Inf	83.08	3	Horizontal	360	1.90	-	28.46	3.22	-
PK	2.4835G	65.65	74.00	-8.35	33.91	3	Horizontal	360	1.90	-	28.50	3.24	-
AV	2.4838G	53.39	54.00	-0.61	21.65	3	Horizontal	360	1.90	-	28.50	3.24	-

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

2437MHz_TX

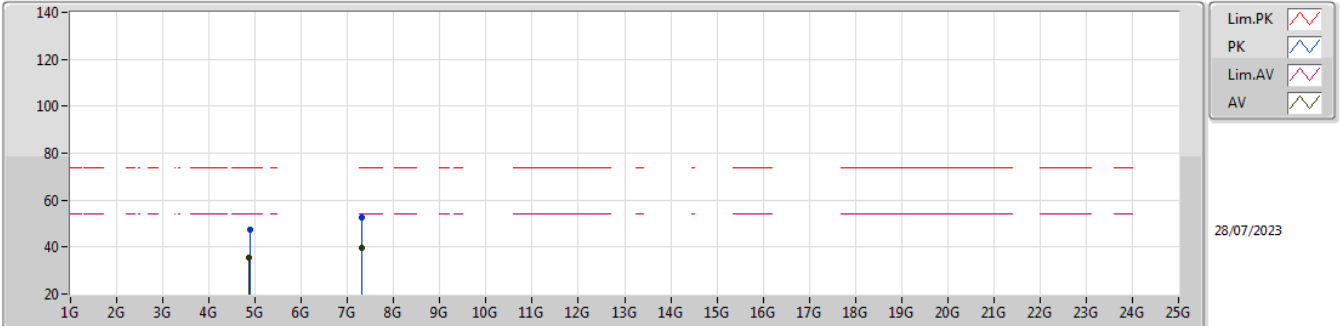


EUT_Z_2TX
Setting 22.5
02-L-5-5

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	4.87224G	47.48	74.00	-26.52	39.34	3	Vertical	206	1.80	-	33.14	5.64	30.64
AV	4.874G	35.88	54.00	-18.12	27.73	3	Vertical	206	1.80	-	33.15	5.64	30.64
PK	7.31412G	52.95	74.00	-21.05	41.60	3	Vertical	360	1.75	-	36.63	6.84	32.12
AV	7.31428G	40.36	54.00	-13.64	29.01	3	Vertical	360	1.75	-	36.63	6.84	32.12

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

2437MHz_TX

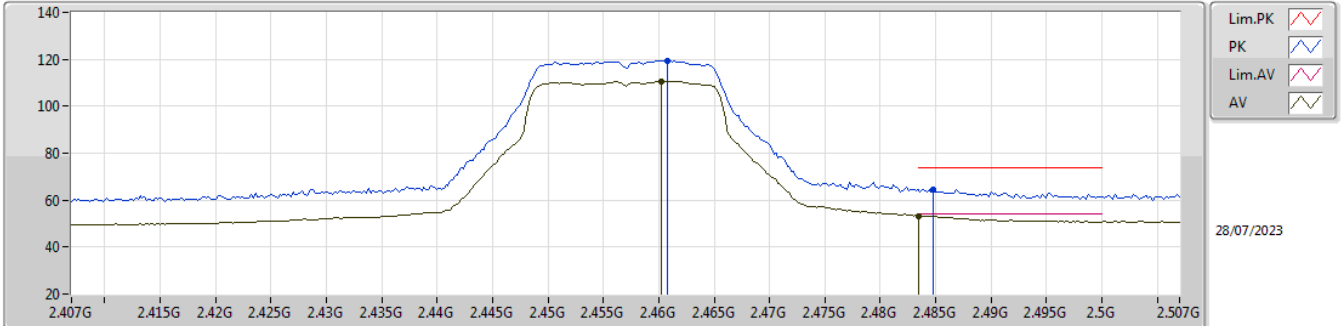


EUT_Z_2TX
Setting 22.5
02-L-5-5

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	4.8818G	47.45	74.00	-26.55	39.29	3	Horizontal	234	1.80	-	33.16	5.64	30.64
AV	4.87384G	35.35	54.00	-18.65	27.20	3	Horizontal	234	1.80	-	33.15	5.64	30.64
PK	7.31552G	52.57	74.00	-21.43	41.22	3	Horizontal	355	1.86	-	36.63	6.84	32.12
AV	7.3152G	39.82	54.00	-14.18	28.47	3	Horizontal	355	1.86	-	36.63	6.84	32.12

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

2457MHz_TX

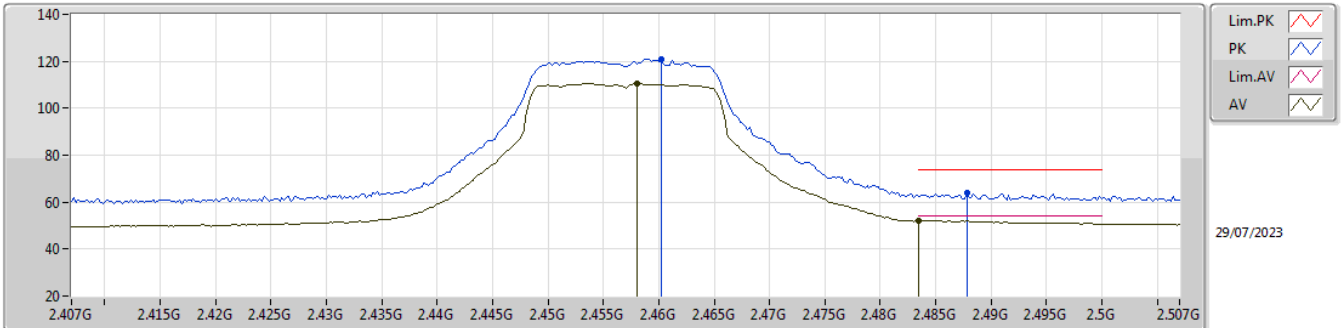


EUT_Z_2TX
Setting 19
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4608G	119.37	Inf	-Inf	87.64	3	Vertical	358	1.71	-	28.50	3.23	-
AV	2.4602G	110.77	Inf	-Inf	79.04	3	Vertical	358	1.71	-	28.50	3.23	-
PK	2.4848G	64.40	74.00	-9.60	32.66	3	Vertical	358	1.71	-	28.50	3.24	-
AV	2.4835G	53.24	54.00	-0.76	21.50	3	Vertical	358	1.71	-	28.50	3.24	-

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

2457MHz_TX

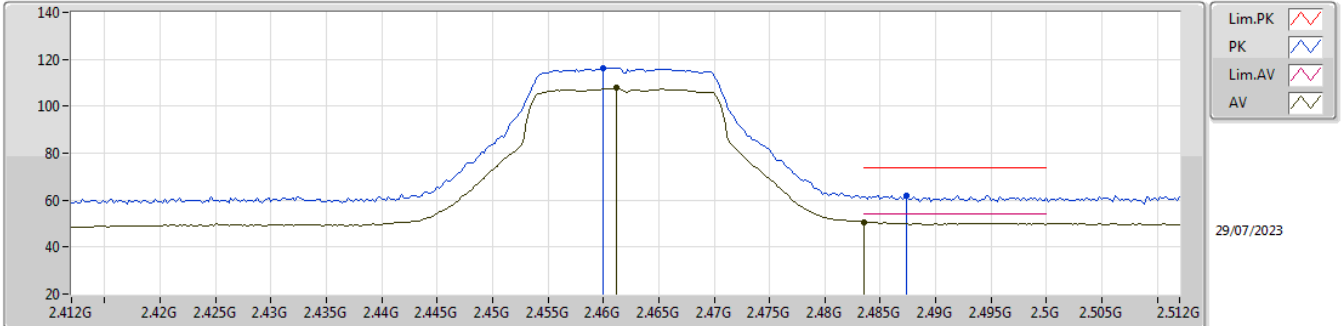


EUT_Z_2TX
Setting 19
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4602G	121.03	Inf	-Inf	89.30	3	Horizontal	0	1.69	-	28.50	3.23	-
AV	2.458G	110.50	Inf	-Inf	78.79	3	Horizontal	0	1.69	-	28.48	3.23	-
PK	2.4878G	63.88	74.00	-10.12	32.14	3	Horizontal	0	1.69	-	28.50	3.24	-
AV	2.4835G	52.27	54.00	-1.73	20.53	3	Horizontal	0	1.69	-	28.50	3.24	-

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

2462MHz_TX

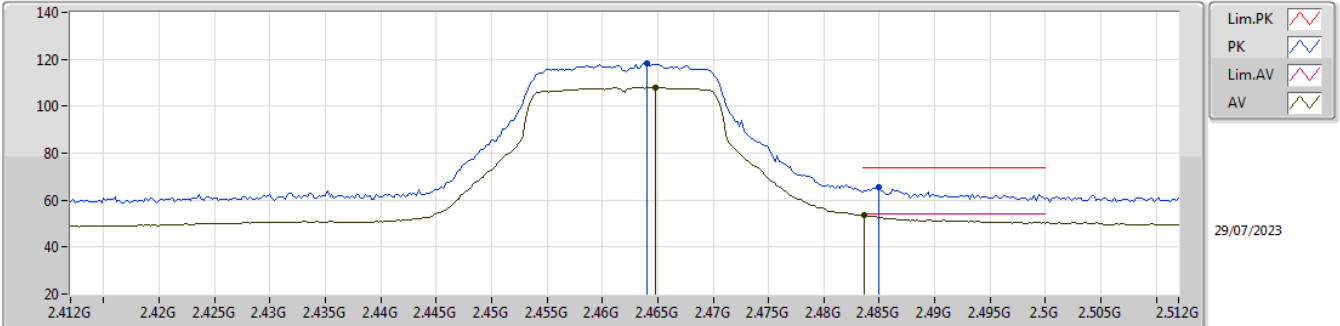


EUT_Z_2TX
Setting 16
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.46G	116.45	Inf	-Inf	84.72	3	Vertical	0	1.70	-	28.50	3.23	-
AV	2.4612G	107.69	Inf	-Inf	75.96	3	Vertical	0	1.70	-	28.50	3.23	-
PK	2.4874G	62.11	74.00	-11.89	30.37	3	Vertical	0	1.70	-	28.50	3.24	-
AV	2.4835G	50.58	54.00	-3.42	18.84	3	Vertical	0	1.70	-	28.50	3.24	-

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

2462MHz_TX

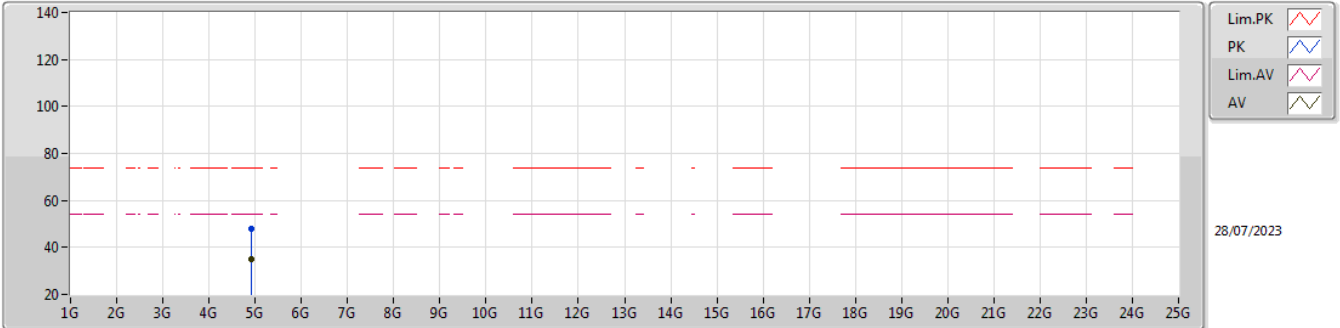


EUT_Z_2TX
Setting 16
02-L-W-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.464G	118.39	Inf	-Inf	86.66	3	Horizontal	0	1.91	-	28.50	3.23	-
AV	2.4648G	108.12	Inf	-Inf	76.39	3	Horizontal	0	1.91	-	28.50	3.23	-
PK	2.485G	65.65	74.00	-8.35	33.91	3	Horizontal	0	1.91	-	28.50	3.24	-
AV	2.4836G	53.68	54.00	-0.32	21.94	3	Horizontal	0	1.91	-	28.50	3.24	-

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

2462MHz_TX

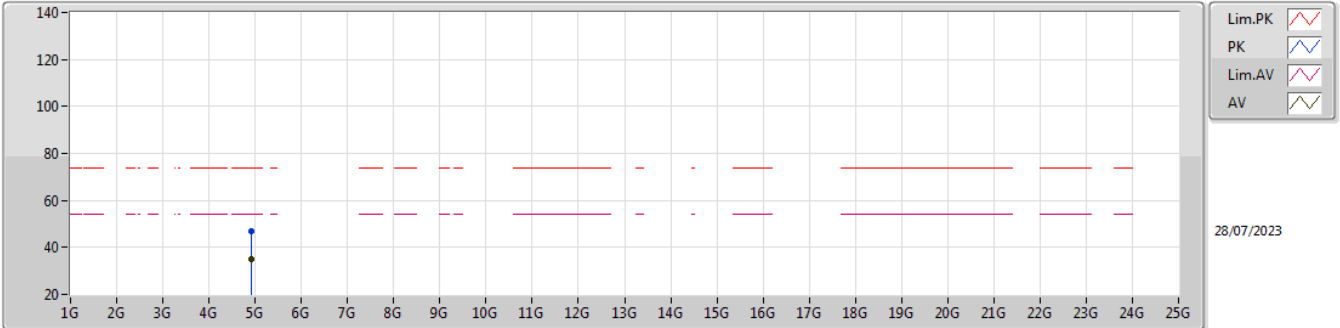


EUT_Z_2TX
Setting 16
02-L-S-5

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	4.92796G	48.03	74.00	-25.97	39.72	3	Vertical	317	1.59	-	33.26	5.66	30.61			
AV	4.92528G	35.21	54.00	-18.79	26.91	3	Vertical	317	1.59	-	33.25	5.66	30.61			

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

2462MHz_TX

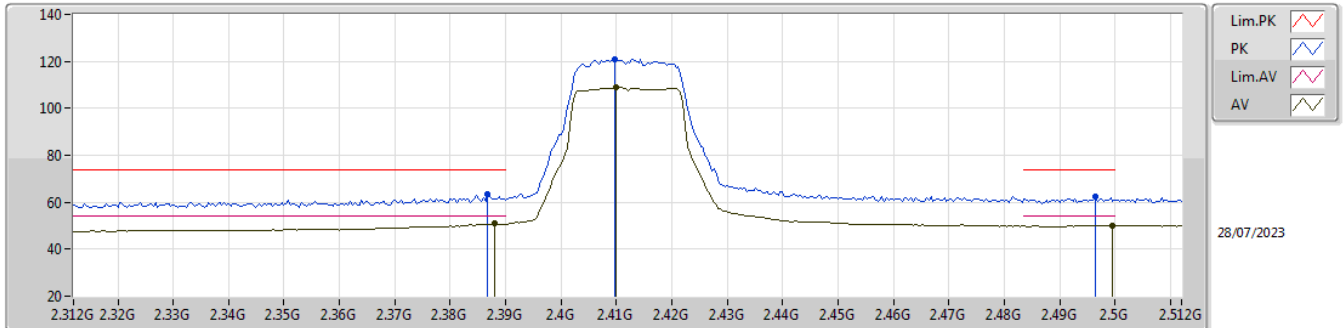


EUT_Z_2TX
Setting 16
02-L-S-5

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	4.92904G	47.09	74.00	-26.91	38.78	3	Horizontal	259	2.60	-	33.26	5.66	30.61
AV	4.92812G	35.21	54.00	-18.79	26.90	3	Horizontal	259	2.60	-	33.26	5.66	30.61

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

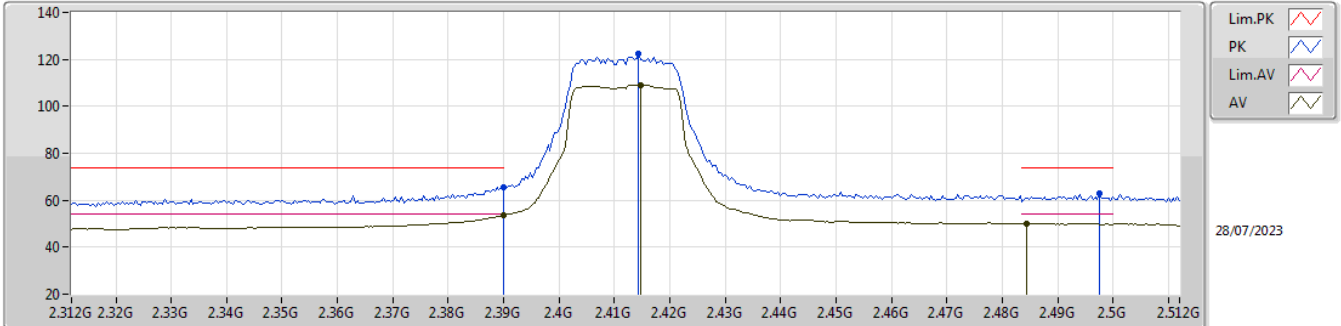


EUT_Z_2TX
Setting 18.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	63.31	74.00	-10.69	31.72	3	Vertical	360	1.74	-	28.40	3.19	-
AV	2.388G	50.91	54.00	-3.09	19.32	3	Vertical	360	1.74	-	28.40	3.19	-
PK	2.4096G	120.77	Inf	-Inf	89.17	3	Vertical	360	1.74	-	28.40	3.20	-
AV	2.41G	108.79	Inf	-Inf	77.18	3	Vertical	360	1.74	-	28.40	3.21	-
PK	2.4964G	62.34	74.00	-11.66	30.53	3	Vertical	360	1.74	-	28.56	3.25	-
AV	2.4996G	50.05	54.00	-3.95	18.20	3	Vertical	360	1.74	-	28.60	3.25	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

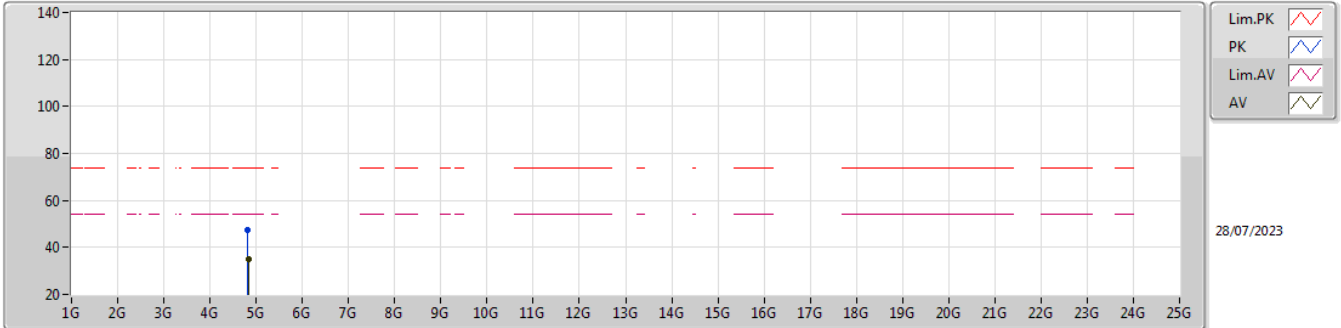


EUT_Z_2TX
Setting 18.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.71	74.00	-8.29	34.11	3	Horizontal	360	1.74	-	28.40	3.20	-
AV	2.39G	53.71	54.00	-0.29	22.11	3	Horizontal	360	1.74	-	28.40	3.20	-
PK	2.4144G	122.40	Inf	-Inf	90.79	3	Horizontal	360	1.74	-	28.40	3.21	-
AV	2.4148G	109.20	Inf	-Inf	77.59	3	Horizontal	360	1.74	-	28.40	3.21	-
PK	2.4976G	63.13	74.00	-10.87	31.30	3	Horizontal	360	1.74	-	28.58	3.25	-
AV	2.4844G	50.16	54.00	-3.84	18.42	3	Horizontal	360	1.74	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

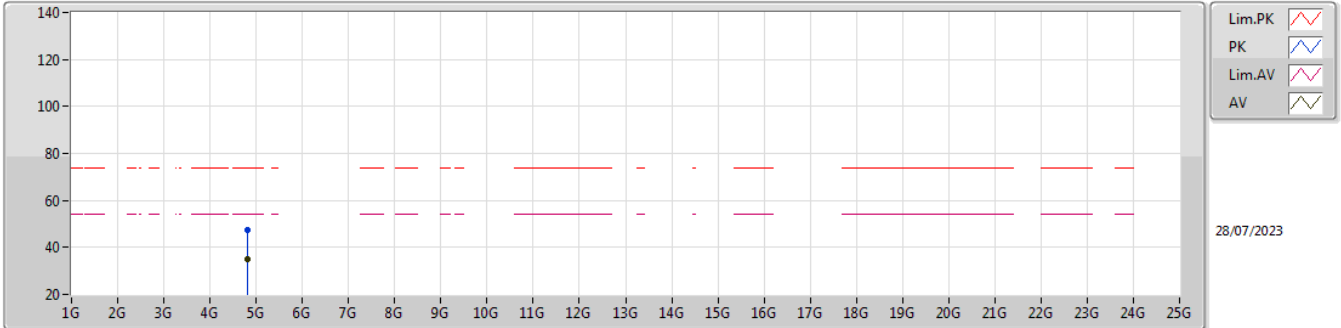


EUT_Z_2TX
Setting 18.5
02-L-S-5

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	4.82032G	47.27	74.00	-26.73	39.42	3	Vertical	271	3.00	-	32.92	5.61	30.68			
AV	4.82746G	34.96	54.00	-19.04	27.06	3	Vertical	271	3.00	-	32.96	5.61	30.67			

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

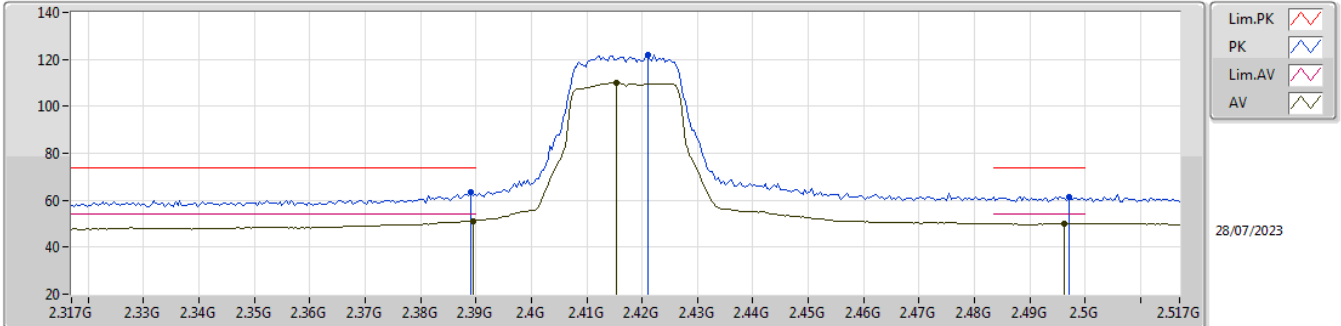


EUT_Z_2TX
Setting 18.5
02-L-S-5

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	4.82328G	47.44	74.00	-26.56	39.57	3	Horizontal	334	1.95	-	32.94	5.61	30.68
AV	4.82328G	35.01	54.00	-18.99	27.14	3	Horizontal	334	1.95	-	32.94	5.61	30.68

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

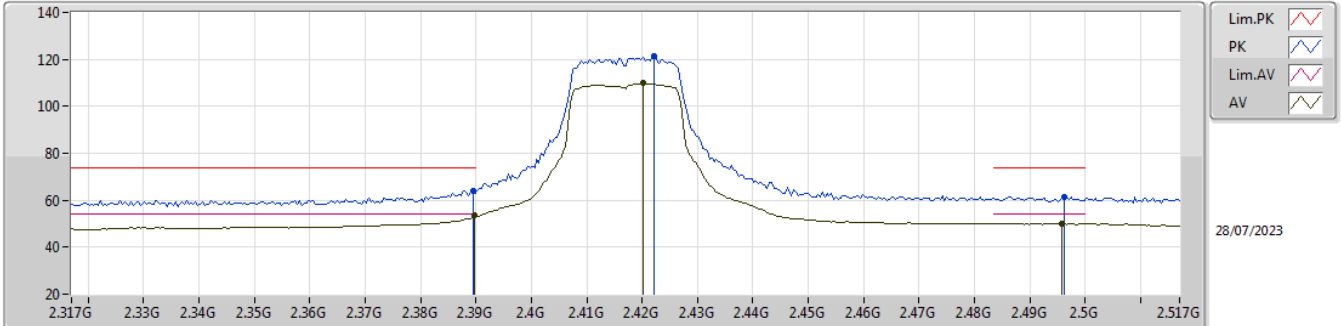


EUT_Z_2TX
Setting 19.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	63.24	74.00	-10.76	31.65	3	Vertical	1	1.70	-	28.40	3.19	-
AV	2.3894G	51.28	54.00	-2.72	19.69	3	Vertical	1	1.70	-	28.40	3.19	-
PK	2.421G	121.99	Inf	-Inf	90.37	3	Vertical	1	1.70	-	28.41	3.21	-
AV	2.4154G	109.83	Inf	-Inf	78.22	3	Vertical	1	1.70	-	28.40	3.21	-
PK	2.497G	61.62	74.00	-12.38	29.80	3	Vertical	1	1.70	-	28.57	3.25	-
AV	2.4962G	50.23	54.00	-3.77	18.42	3	Vertical	1	1.70	-	28.56	3.25	-

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

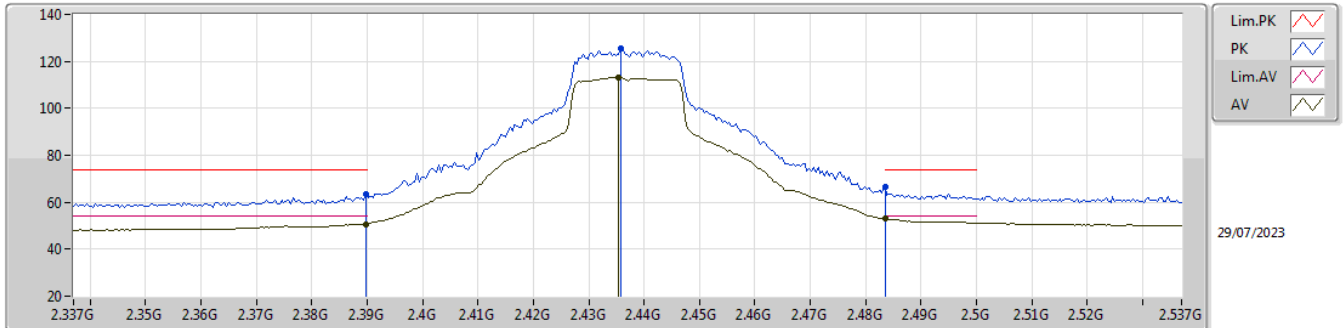


EUT_Z_2TX
Setting 19.5
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	64.15	74.00	-9.85	32.56	3	Horizontal	360	1.67	-	28.40	3.19	-
AV	2.3898G	53.57	54.00	-0.43	21.98	3	Horizontal	360	1.67	-	28.40	3.19	-
PK	2.4222G	121.58	Inf	-Inf	89.95	3	Horizontal	360	1.67	-	28.42	3.21	-
AV	2.4202G	109.83	Inf	-Inf	78.22	3	Horizontal	360	1.67	-	28.40	3.21	-
PK	2.4962G	61.56	74.00	-12.44	29.75	3	Horizontal	360	1.67	-	28.56	3.25	-
AV	2.4958G	50.23	54.00	-3.77	18.42	3	Horizontal	360	1.67	-	28.56	3.25	-

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

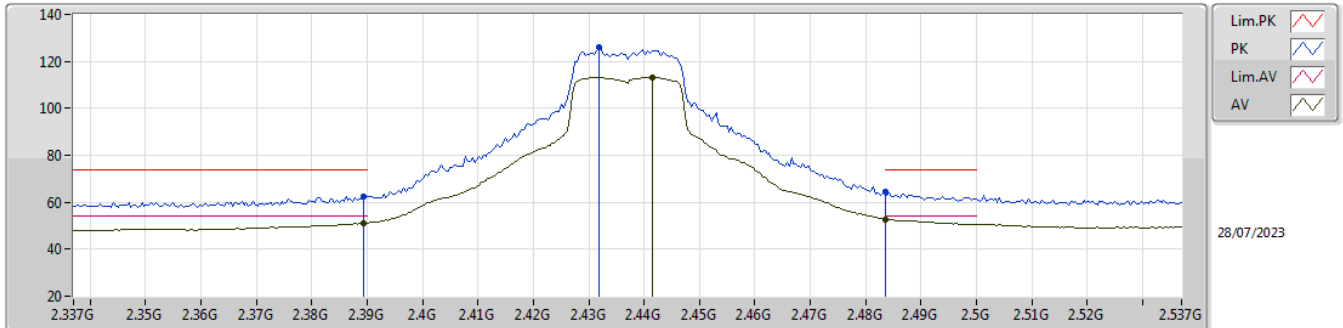


EUT_Z_2TX
Setting 22.5
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	63.33	74.00	-10.67	31.74	3	Vertical	0	1.82	-	28.40	3.19	-
AV	2.3898G	50.75	54.00	-3.25	19.16	3	Vertical	0	1.82	-	28.40	3.19	-
PK	2.4358G	125.31	Inf	-Inf	93.65	3	Vertical	0	1.82	-	28.44	3.22	-
AV	2.4354G	113.08	Inf	-Inf	81.41	3	Vertical	0	1.82	-	28.45	3.22	-
PK	2.4835G	66.58	74.00	-7.42	34.84	3	Vertical	0	1.82	-	28.50	3.24	-
AV	2.4835G	53.08	54.00	-0.92	21.34	3	Vertical	0	1.82	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

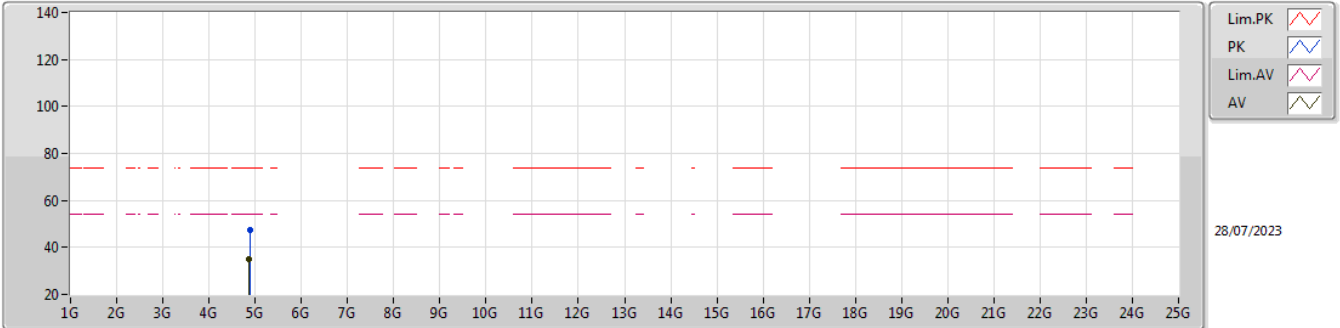


EUT_Z_2TX
Setting 22.5
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	62.27	74.00	-11.73	30.68	3	Horizontal	360	1.72	-	28.40	3.19	-
AV	2.3894G	51.11	54.00	-2.89	19.52	3	Horizontal	360	1.72	-	28.40	3.19	-
PK	2.4318G	125.86	Inf	-Inf	94.16	3	Horizontal	360	1.72	-	28.48	3.22	-
AV	2.4414G	113.25	Inf	-Inf	81.63	3	Horizontal	360	1.72	-	28.40	3.22	-
PK	2.4835G	64.32	74.00	-9.68	32.58	3	Horizontal	360	1.72	-	28.50	3.24	-
AV	2.4835G	52.77	54.00	-1.23	21.03	3	Horizontal	360	1.72	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

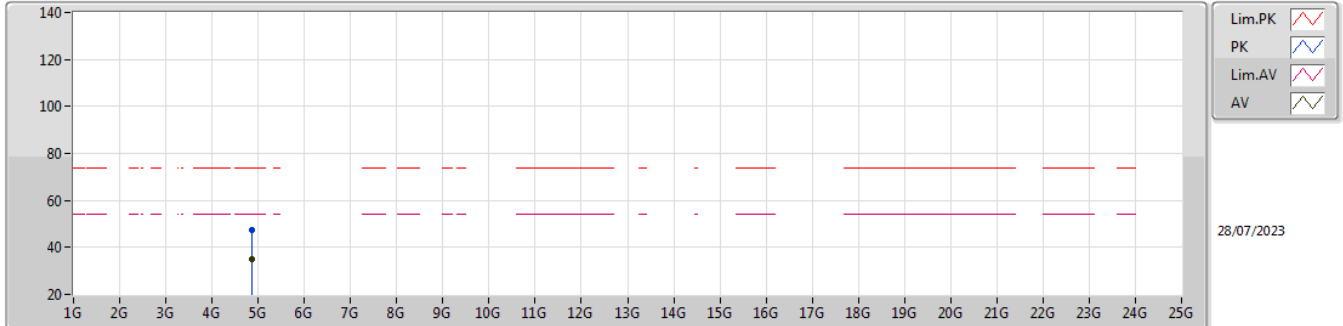


EUT_Z_2TX
Setting 22.5
02-L-S-5

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	4.87736G	47.31	74.00	-26.69	39.16	3	Vertical	201	1.55	-	33.15	5.64	30.64			
AV	4.8742G	35.24	54.00	-18.76	27.09	3	Vertical	201	1.55	-	33.15	5.64	30.64			

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

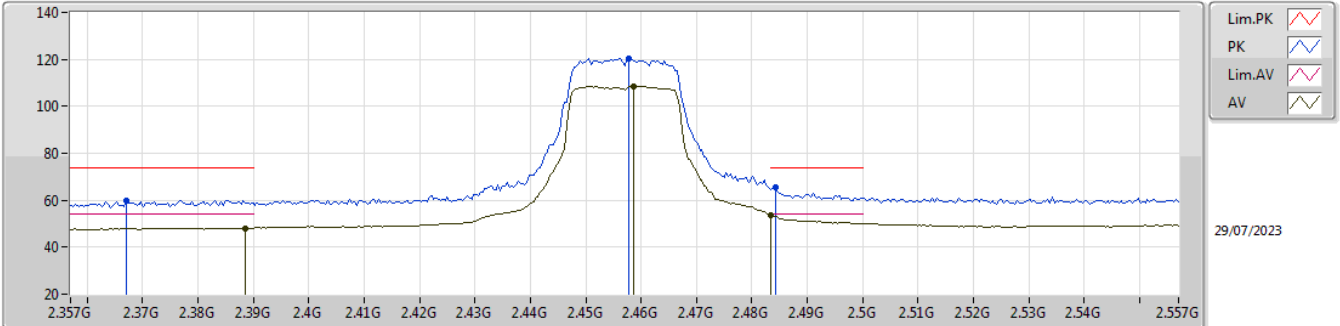


EUT_Z_2TX
Setting 22.5
02-L-S-5

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	4.87132G	47.63	74.00	-26.37	39.49	3	Horizontal	358	1.80	-	33.14	5.64	30.64
AV	4.8764G	34.91	54.00	-19.09	26.76	3	Horizontal	358	1.80	-	33.15	5.64	30.64

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

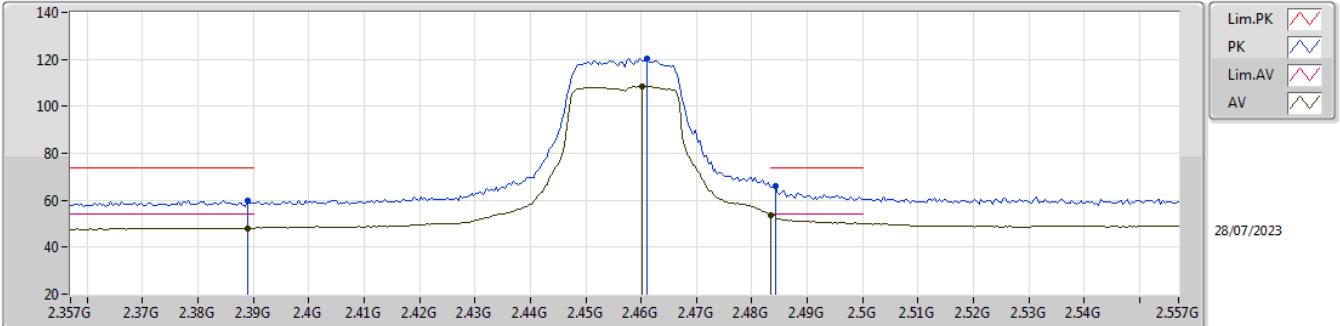


EUT_Z_2TX
Setting 17.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.367G	60.06	74.00	-13.94	28.61	3	Vertical	0	1.86	-	28.27	3.18	-
AV	2.3886G	48.18	54.00	-5.82	16.59	3	Vertical	0	1.86	-	28.40	3.19	-
PK	2.4578G	120.55	Inf	-Inf	88.84	3	Vertical	0	1.86	-	28.48	3.23	-
AV	2.4586G	108.41	Inf	-Inf	76.69	3	Vertical	0	1.86	-	28.49	3.23	-
PK	2.4842G	65.39	74.00	-8.61	33.65	3	Vertical	0	1.86	-	28.50	3.24	-
AV	2.4835G	53.68	54.00	-0.32	21.94	3	Vertical	0	1.86	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

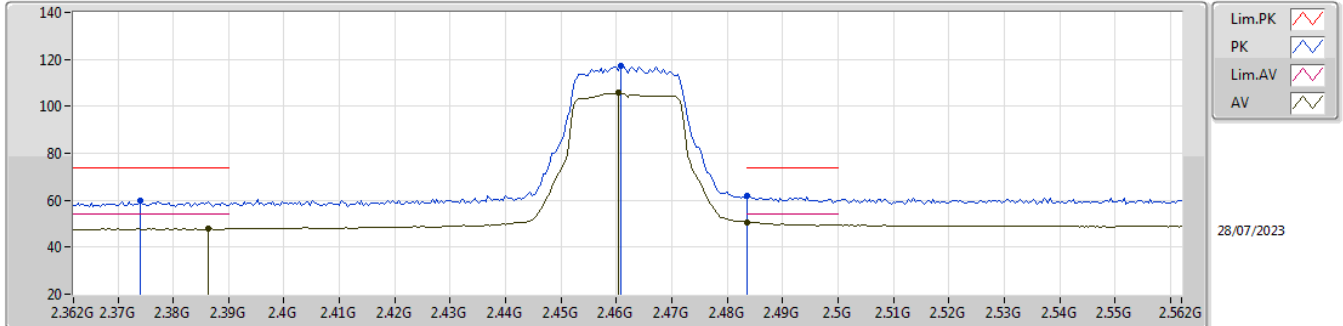


EUT_Z_2TX
Setting 17.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	60.00	74.00	-14.00	28.41	3	Horizontal	3	1.58	-	28.40	3.19	-
AV	2.389G	48.18	54.00	-5.82	16.59	3	Horizontal	3	1.58	-	28.40	3.19	-
PK	2.461G	120.59	Inf	-Inf	88.86	3	Horizontal	3	1.58	-	28.50	3.23	-
AV	2.4602G	108.52	Inf	-Inf	76.79	3	Horizontal	3	1.58	-	28.50	3.23	-
PK	2.4842G	65.87	74.00	-8.13	34.13	3	Horizontal	3	1.58	-	28.50	3.24	-
AV	2.4835G	53.53	54.00	-0.47	21.79	3	Horizontal	3	1.58	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

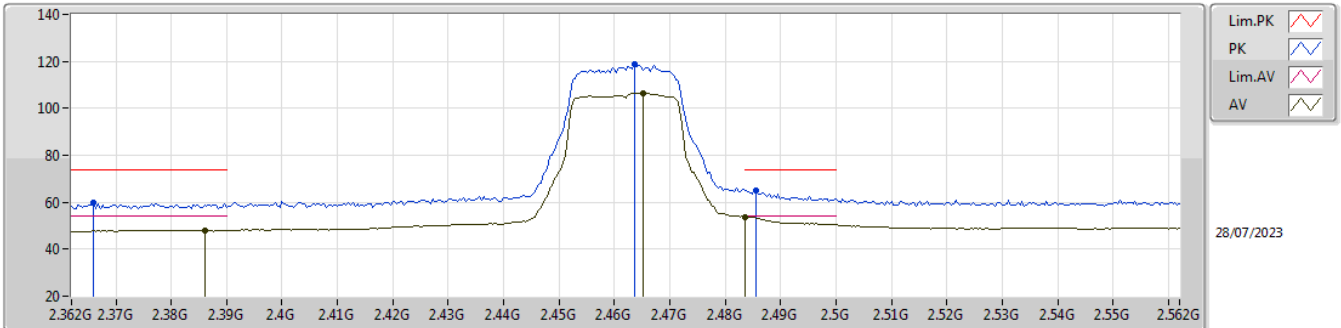


EUT_Z_2TX
Setting 15.5
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.374G	59.64	74.00	-14.36	28.11	3	Vertical	0	1.73	-	28.34	3.19	-
AV	2.3864G	47.91	54.00	-6.09	16.32	3	Vertical	0	1.73	-	28.40	3.19	-
PK	2.4608G	117.38	Inf	-Inf	85.65	3	Vertical	0	1.73	-	28.50	3.23	-
AV	2.4604G	105.63	Inf	-Inf	73.90	3	Vertical	0	1.73	-	28.50	3.23	-
PK	2.4835G	61.83	74.00	-12.17	30.09	3	Vertical	0	1.73	-	28.50	3.24	-
AV	2.4835G	50.58	54.00	-3.42	18.84	3	Vertical	0	1.73	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

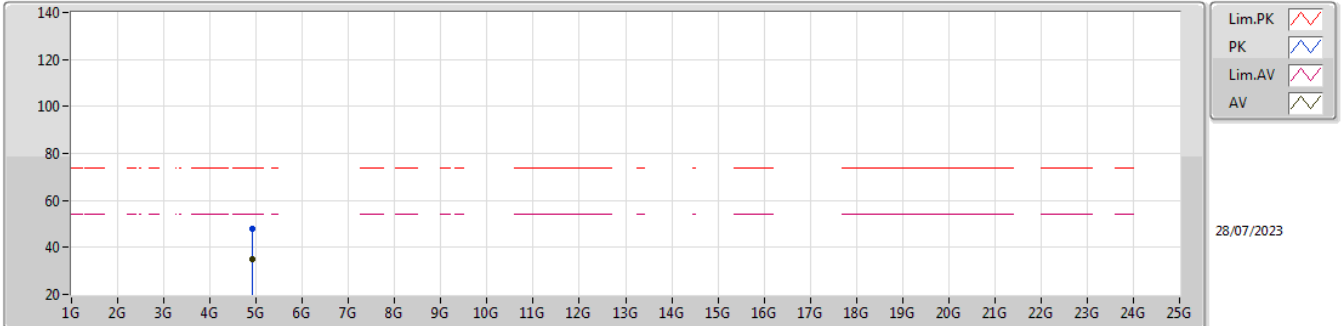


EUT_Z_2TX
Setting 15.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.366G	59.61	74.00	-14.39	28.17	3	Horizontal	4	1.60	-	28.26	3.18	-
AV	2.386G	48.15	54.00	-5.85	16.56	3	Horizontal	4	1.60	-	28.40	3.19	-
PK	2.4636G	118.91	Inf	-Inf	87.18	3	Horizontal	4	1.60	-	28.50	3.23	-
AV	2.4652G	106.51	Inf	-Inf	74.78	3	Horizontal	4	1.60	-	28.50	3.23	-
PK	2.4856G	64.97	74.00	-9.03	33.23	3	Horizontal	4	1.60	-	28.50	3.24	-
AV	2.4835G	53.68	54.00	-0.32	21.94	3	Horizontal	4	1.60	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

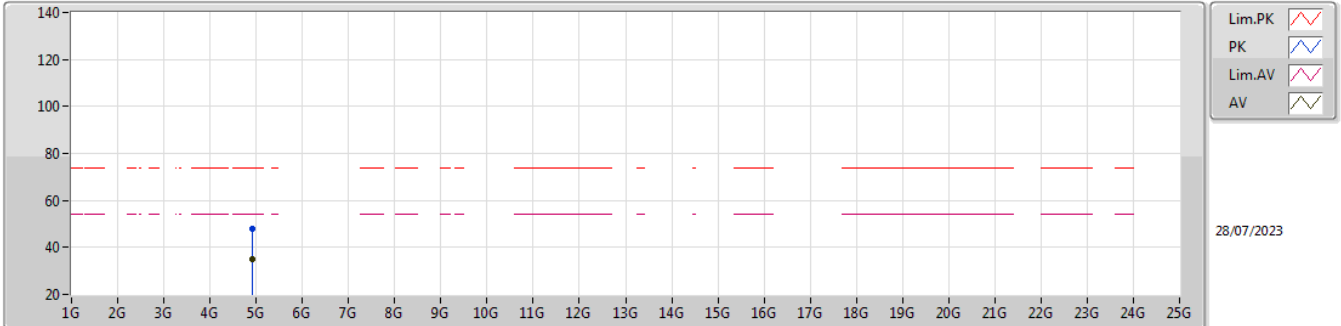


EUT_Z_2TX
Setting 15.5
02-L-S-5

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	4.92198G	48.10	74.00	-25.90	39.81	3	Vertical	7	2.77	-	33.24	5.66	30.61
AV	4.92776G	35.21	54.00	-18.79	26.90	3	Vertical	7	2.77	-	33.26	5.66	30.61

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

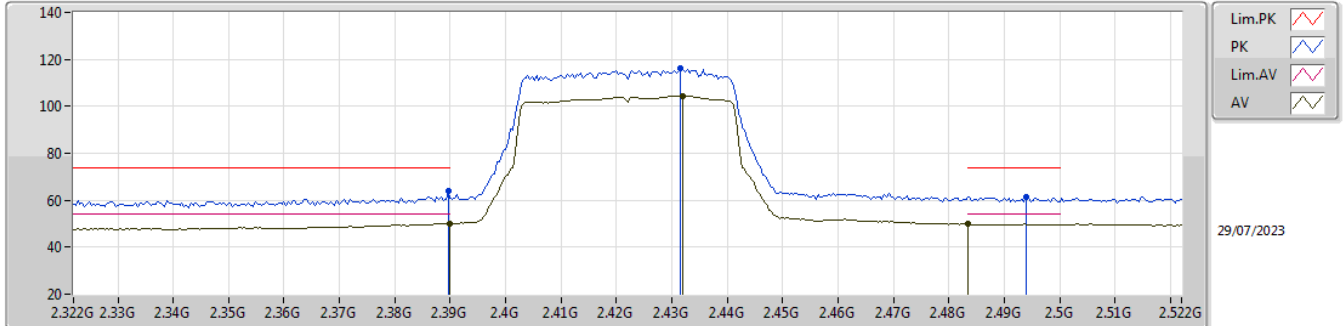


EUT_Z_2TX
Setting 15.5
02-L-S-5

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	4.9271G	47.68	74.00	-26.32	39.38	3	Horizontal	160	2.55	-	33.25	5.66	30.61
AV	4.92758G	35.21	54.00	-18.79	26.90	3	Horizontal	160	2.55	-	33.26	5.66	30.61

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

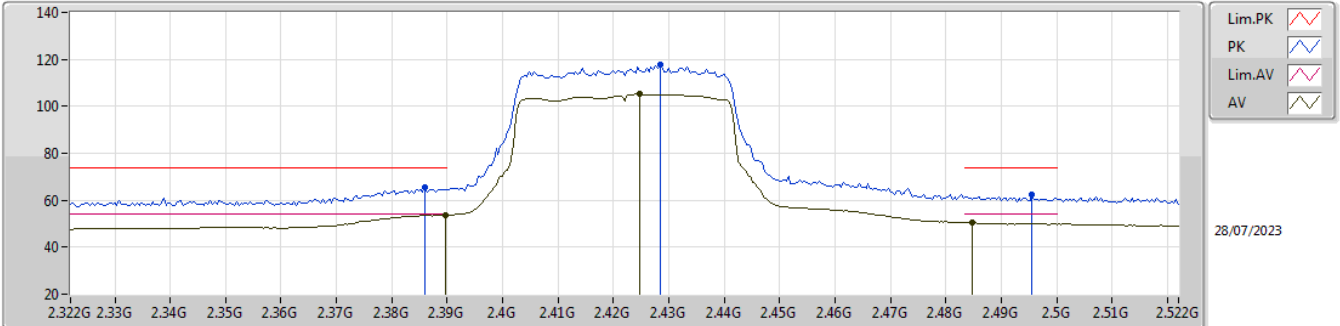


EUT_Z_2TX
Setting 16.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	64.04	74.00	-9.96	32.45	3	Vertical	0	2.04	-	28.40	3.19	-
AV	2.39G	49.99	54.00	-4.01	18.39	3	Vertical	0	2.04	-	28.40	3.20	-
PK	2.4316G	116.30	Inf	-Inf	84.60	3	Vertical	0	2.04	-	28.48	3.22	-
AV	2.432G	104.47	Inf	-Inf	72.77	3	Vertical	0	2.04	-	28.48	3.22	-
PK	2.494G	61.36	74.00	-12.64	29.57	3	Vertical	0	2.04	-	28.54	3.25	-
AV	2.4835G	49.94	54.00	-4.06	18.20	3	Vertical	0	2.04	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

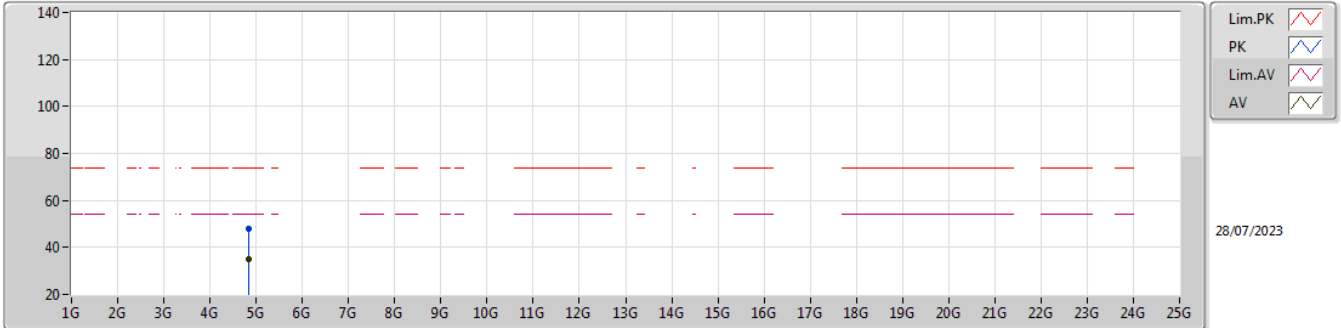


EUT_Z_2TX
Setting 16.5
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	65.40	74.00	-8.60	33.81	3	Horizontal	360	1.80	-	28.40	3.19	-
AV	2.3896G	53.70	54.00	-0.30	22.11	3	Horizontal	360	1.80	-	28.40	3.19	-
PK	2.4284G	117.51	Inf	-Inf	85.82	3	Horizontal	360	1.80	-	28.48	3.21	-
AV	2.4248G	105.19	Inf	-Inf	73.53	3	Horizontal	360	1.80	-	28.45	3.21	-
PK	2.4956G	62.34	74.00	-11.66	30.53	3	Horizontal	360	1.80	-	28.56	3.25	-
AV	2.4848G	50.38	54.00	-3.62	18.64	3	Horizontal	360	1.80	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

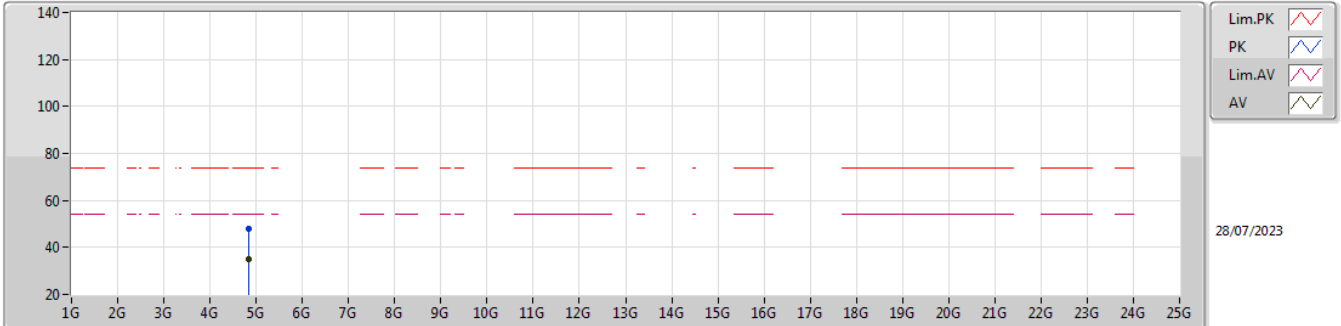


EUT_Z_2TX
Setting 16.5
02-L-S-5

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	4.84374G	47.69	74.00	-26.31	39.67	3	Vertical	16	1.01	-	33.06	5.62	30.66			
AV	4.84504G	35.17	54.00	-18.83	27.14	3	Vertical	16	1.01	-	33.07	5.62	30.66			

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

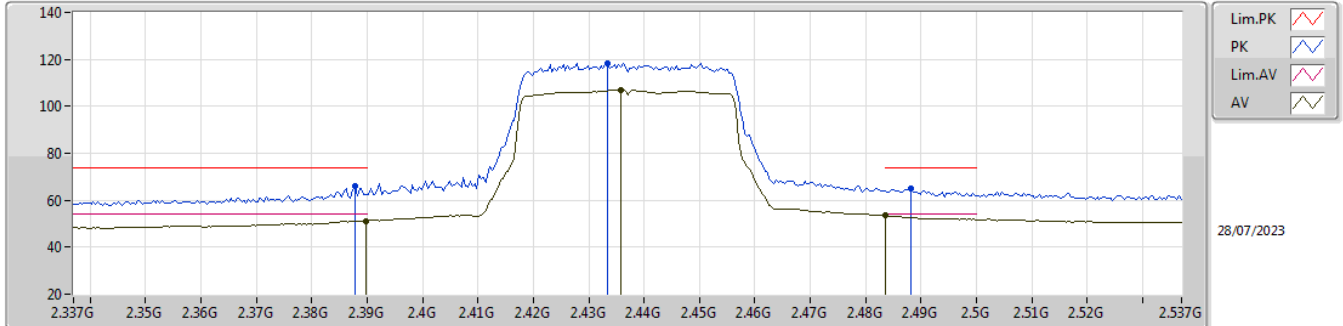


EUT_Z_2TX
Setting 16.5
02-L-S-5

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	4.84756G	47.81	74.00	-26.19	39.76	3	Horizontal	192	2.35	-	33.09	5.62	30.66
AV	4.84486G	35.17	54.00	-18.83	27.14	3	Horizontal	192	2.35	-	33.07	5.62	30.66

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

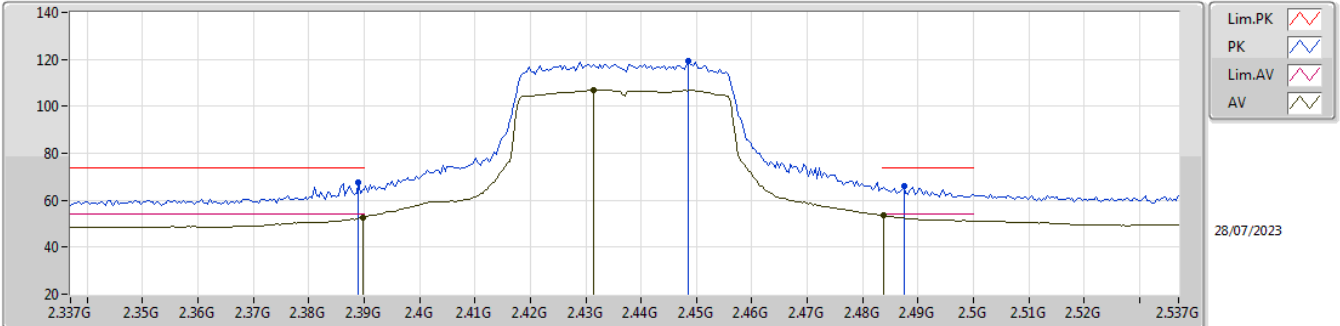


EUT_Z_2TX
Setting 19
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	65.94	74.00	-8.06	34.35	3	Vertical	0	2.13	-	28.40	3.19	-
AV	2.3898G	51.29	54.00	-2.71	19.70	3	Vertical	0	2.13	-	28.40	3.19	-
PK	2.4334G	118.49	Inf	-Inf	86.80	3	Vertical	0	2.13	-	28.47	3.22	-
AV	2.4358G	107.03	Inf	-Inf	75.37	3	Vertical	0	2.13	-	28.44	3.22	-
PK	2.4882G	64.97	74.00	-9.03	33.23	3	Vertical	0	2.13	-	28.50	3.24	-
AV	2.4835G	53.39	54.00	-0.61	21.65	3	Vertical	0	2.13	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

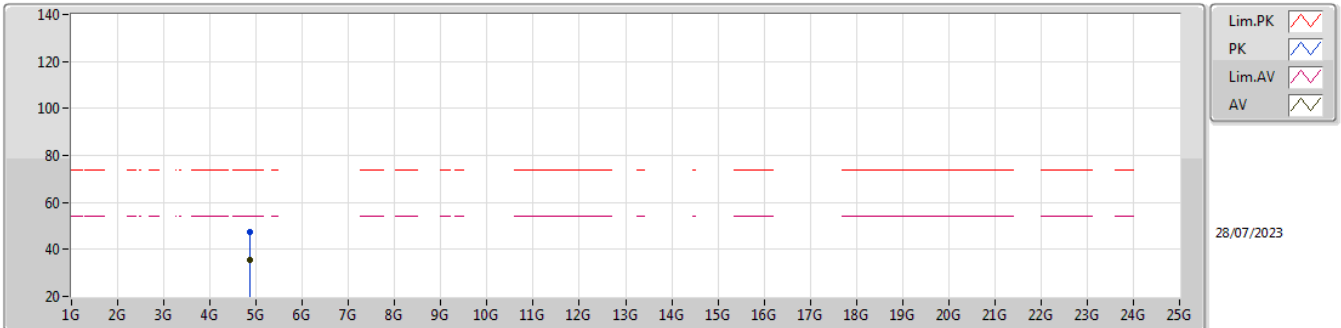


EUT_Z_2TX
Setting 19
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	67.53	74.00	-6.47	35.94	3	Horizontal	0	1.92	-	28.40	3.19	-
AV	2.3898G	52.72	54.00	-1.28	21.13	3	Horizontal	0	1.92	-	28.40	3.19	-
PK	2.4486G	119.12	Inf	-Inf	87.50	3	Horizontal	0	1.92	-	28.40	3.22	-
AV	2.4314G	106.95	Inf	-Inf	75.24	3	Horizontal	0	1.92	-	28.49	3.22	-
PK	2.4874G	65.90	74.00	-8.10	34.16	3	Horizontal	0	1.92	-	28.50	3.24	-
AV	2.4838G	53.54	54.00	-0.46	21.80	3	Horizontal	0	1.92	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

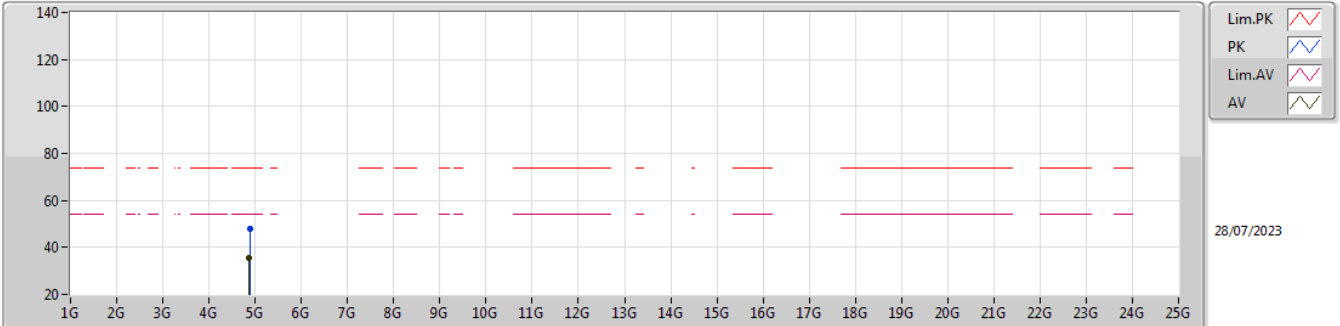


EUT_Z_2TX
Setting 19
02-L-S-5

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	4.87694G	47.66	74.00	-26.34	39.51	3	Vertical	270	1.63	-	33.15	5.64	30.64
AV	4.87338G	35.46	54.00	-18.54	27.31	3	Vertical	270	1.63	-	33.15	5.64	30.64

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

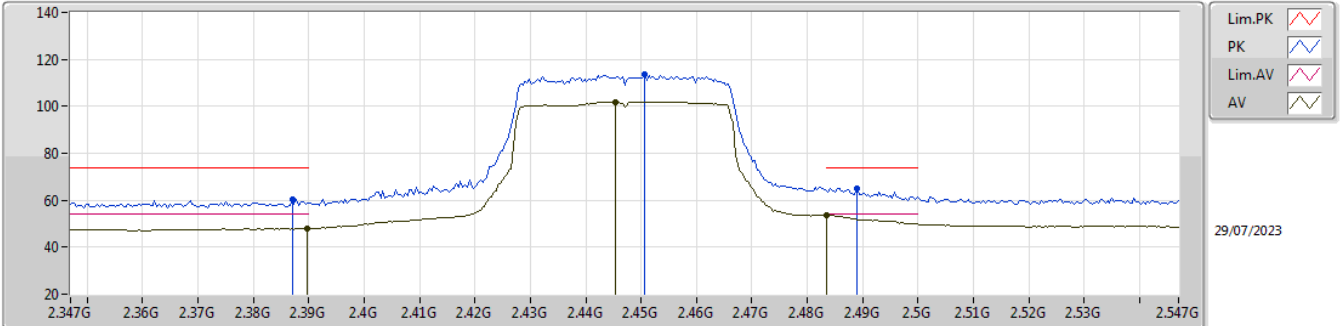


EUT_Z_2TX
Setting 19
02-L-S-5

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	4.8775G	48.12	74.00	-25.88	39.96	3	Horizontal	310	2.23	-	33.16	5.64	30.64
AV	4.87444G	35.46	54.00	-18.54	27.31	3	Horizontal	310	2.23	-	33.15	5.64	30.64

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

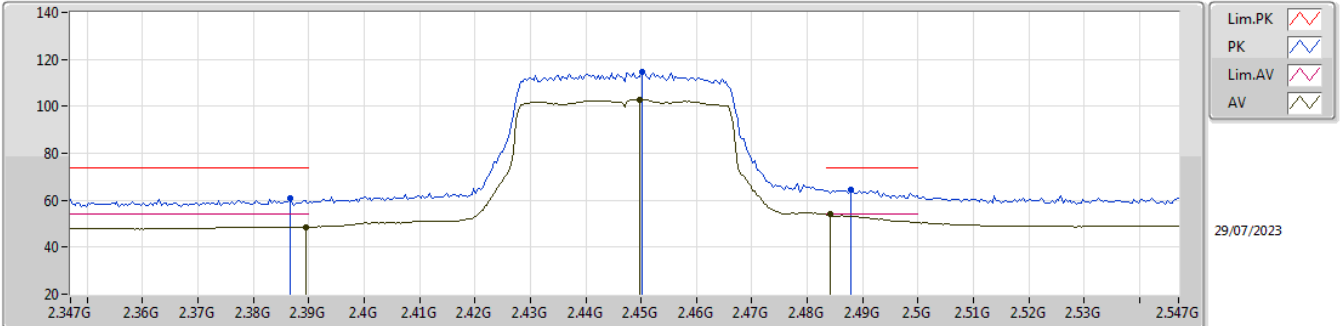


EUT_Z_2TX
Setting 14
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	60.29	74.00	-13.71	28.70	3	Vertical	0	1.73	-	28.40	3.19	-
AV	2.3898G	47.94	54.00	-6.06	16.35	3	Vertical	0	1.73	-	28.40	3.19	-
PK	2.4506G	113.56	Inf	-Inf	81.92	3	Vertical	0	1.73	-	28.41	3.23	-
AV	2.4454G	101.96	Inf	-Inf	70.34	3	Vertical	0	1.73	-	28.40	3.22	-
PK	2.489G	65.16	74.00	-8.84	33.42	3	Vertical	0	1.73	-	28.50	3.24	-
AV	2.4835G	53.39	54.00	-0.61	21.65	3	Vertical	0	1.73	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

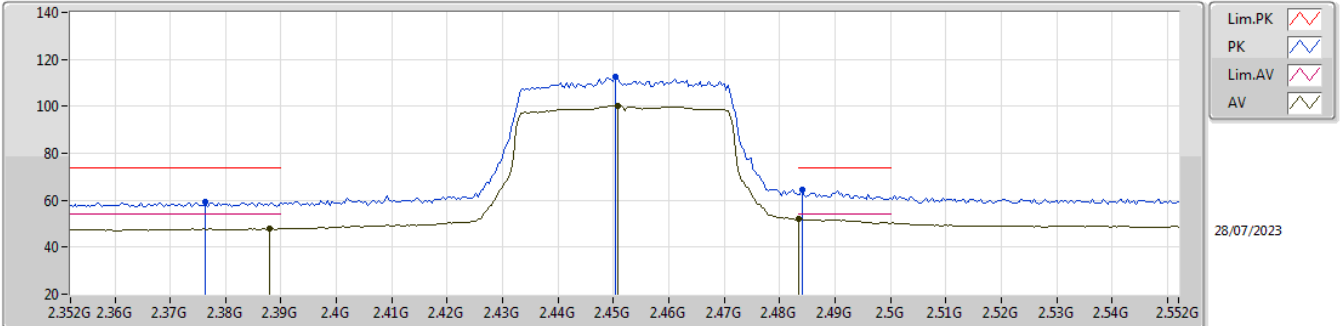


EUT_Z_2TX
Setting 14
02-L-5-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	60.65	74.00	-13.35	29.06	3	Horizontal	2	1.73	-	28.40	3.19	-
AV	2.3894G	48.67	54.00	-5.33	17.08	3	Horizontal	2	1.73	-	28.40	3.19	-
PK	2.4502G	114.82	Inf	-Inf	83.19	3	Horizontal	2	1.73	-	28.40	3.23	-
AV	2.4498G	102.96	Inf	-Inf	71.34	3	Horizontal	2	1.73	-	28.40	3.22	-
PK	2.4878G	64.49	74.00	-9.51	32.75	3	Horizontal	2	1.73	-	28.50	3.24	-
AV	2.4842G	53.97	54.00	-0.03	22.23	3	Horizontal	2	1.73	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

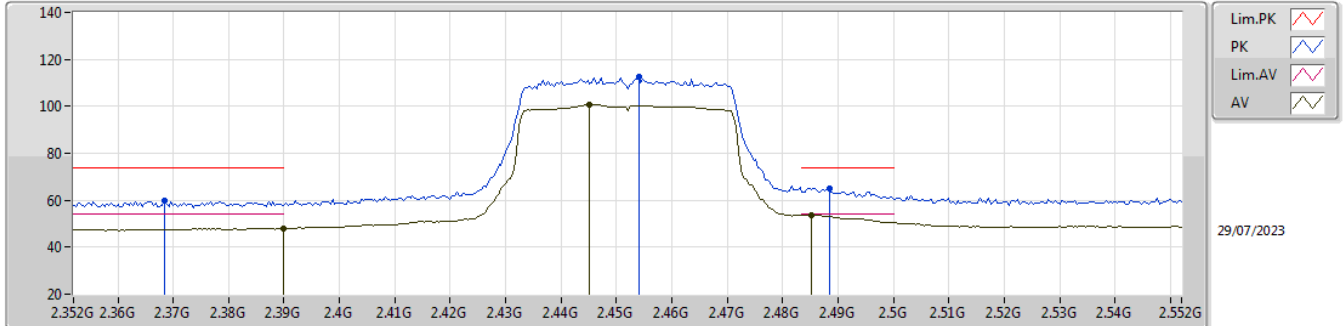


EUT_Z_2TX
Setting 12
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3764G	59.32	74.00	-14.68	27.77	3	Vertical	0	1.80	-	28.36	3.19	-
AV	2.388G	47.92	54.00	-6.08	16.33	3	Vertical	0	1.80	-	28.40	3.19	-
PK	2.4504G	112.39	Inf	-Inf	80.76	3	Vertical	0	1.80	-	28.40	3.23	-
AV	2.4508G	100.34	Inf	-Inf	68.70	3	Vertical	0	1.80	-	28.41	3.23	-
PK	2.484G	64.69	74.00	-9.31	32.95	3	Vertical	0	1.80	-	28.50	3.24	-
AV	2.4835G	51.92	54.00	-2.08	20.18	3	Vertical	0	1.80	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

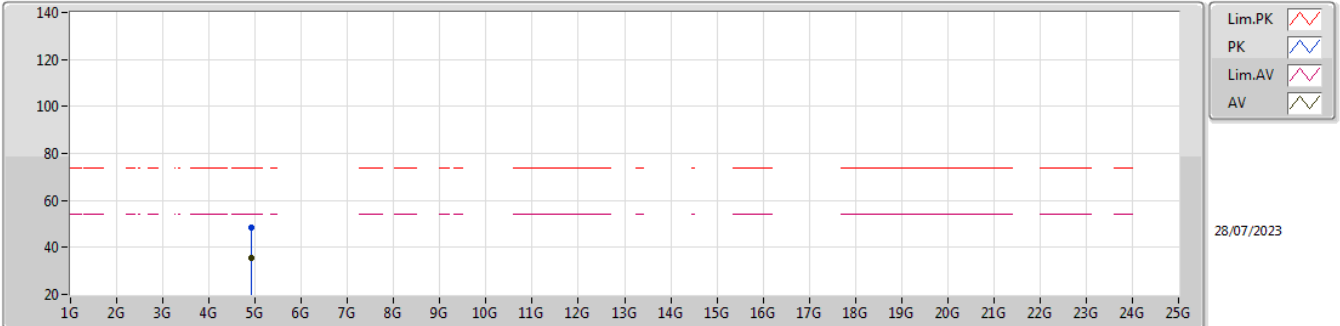






EUT_Z_2TX
Setting 12
02-L-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3684G	59.95	74.00	-14.05	28.49	3	Horizontal	0	1.72	-	28.28	3.18	-
AV	2.39G	47.95	54.00	-6.05	16.35	3	Horizontal	0	1.72	-	28.40	3.20	-
PK	2.454G	112.42	Inf	-Inf	80.75	3	Horizontal	0	1.72	-	28.44	3.23	-
AV	2.4452G	100.68	Inf	-Inf	69.06	3	Horizontal	0	1.72	-	28.40	3.22	-
PK	2.4884G	65.20	74.00	-8.80	33.46	3	Horizontal	0	1.72	-	28.50	3.24	-
AV	2.4852G	53.83	54.00	-0.17	22.09	3	Horizontal	0	1.72	-	28.50	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

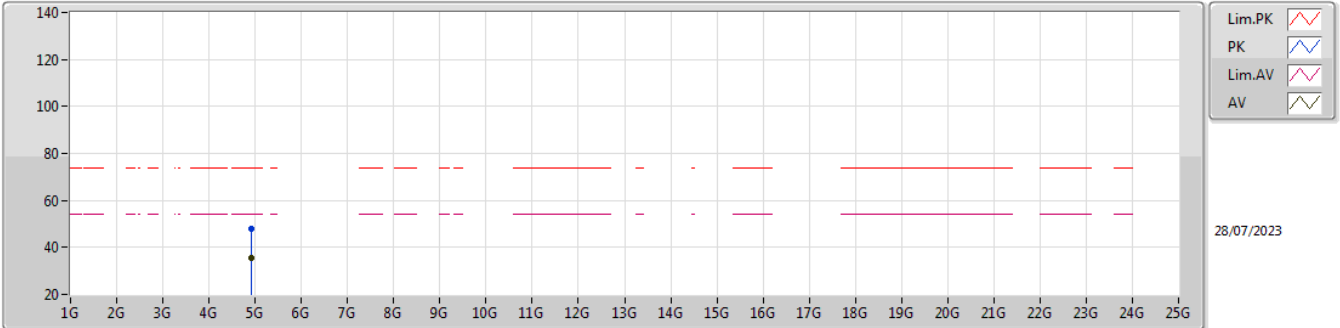
28/07/2023

EUT_Z_2TX
Setting 12
02-L-S-5

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	4.90598G	48.38	74.00	-25.62	40.14	3	Vertical	356	1.71	-	33.21	5.65	30.62			
AV	4.90644G	35.57	54.00	-18.43	27.33	3	Vertical	356	1.71	-	33.21	5.65	30.62			

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT_Z_2TX
Setting 12
02-L-S-5

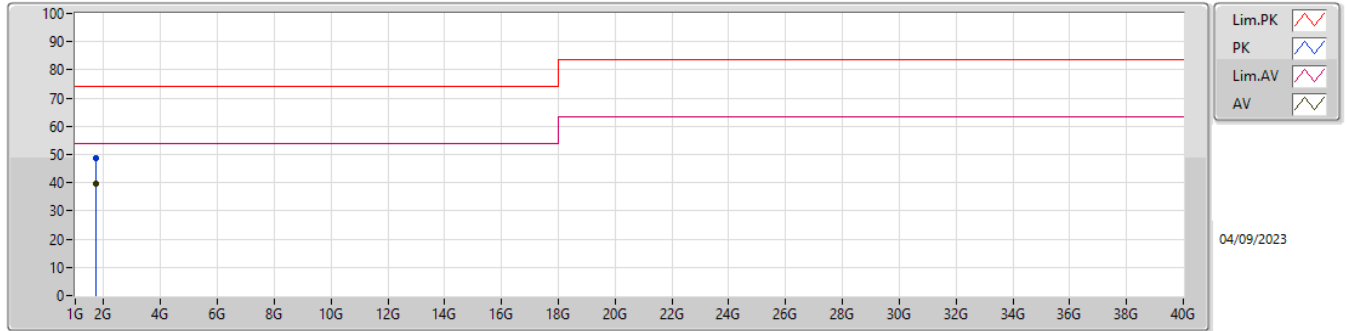
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90474G	48.07	74.00	-25.93	39.83	3	Horizontal	117	1.12	-	33.21	5.65	30.62
AV	4.9076G	35.47	54.00	-18.53	27.22	3	Horizontal	117	1.12	-	33.22	5.65	30.62



Summary

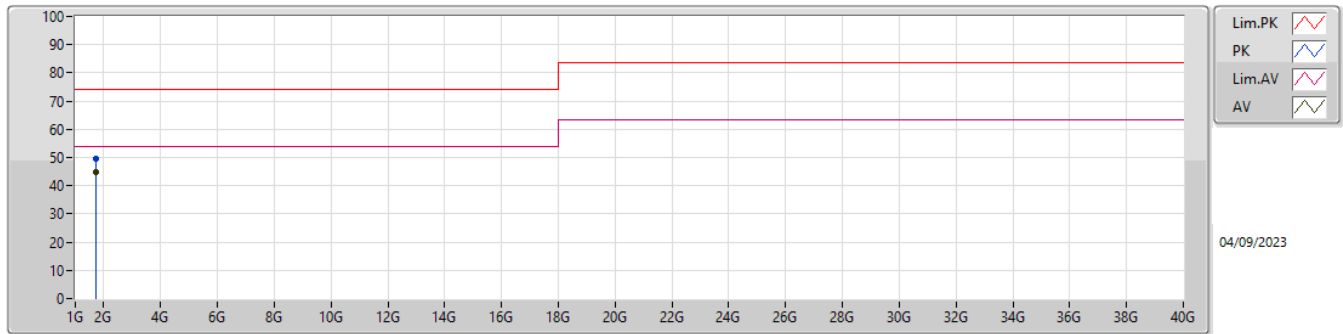
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	AV	1.71088G	44.88	54.00	-9.12	Horizontal

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.71148G	48.83	74.00	-25.17	-7.25	3	Vertical	223	1.80	-	56.08	25.35	3.21	35.81
AV	1.72332G	39.81	54.00	-14.19	-7.18	3	Vertical	223	1.80	"Worst"	46.99	25.39	3.22	35.79

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.7112G	49.49	74.00	-24.51	-7.26	3	Horizontal	308	1.80	-	56.75	25.34	3.21	35.81
AV	1.71088G	44.88	54.00	-9.12	-7.26	3	Horizontal	308	1.80	"Worst"	52.14	25.34	3.21	35.81