

FCC Radio Test Report

FCC ID : TVE-240602
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 243Kxxxxxxxxxx, FAP-243Kxxxxxxxxxx,
FORTIAP-243Kxxxxxxxxxx (Where "x" can be
used as "A-Z", or "0-9", or "-", or blank for
software changes or marketing purposes only)
Applicant : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA
Standard : 47 CFR FCC Part 15.247

The product was received on May 24, 2024, and testing was started from Jun. 01, 2024 and completed on Jun. 29, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR411229-01AC	01	Initial issue of report	Oct. 17, 2024

Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

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

Reviewed by: Barry Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

Radio 3 (Scan radio) is only RX function.

1.1.1 RF General Information

Radio 1

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20), be(EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40), be(EHT40)	2422-2452	3-9 [7]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX
2.4-2.4835GHz	802.11be EHT40	40	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20-BF	20	2TX
2.4-2.4835GHz	802.11be EHT40-BF	40	2TX

Radio 3 < Scan >

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]

Non-Beamforming

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	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW40	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.
- ♦ EHT20, EHT40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM , 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Evaluated EHT20/EHT40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/HEW20/HEW40 mode are the same or lower than EHT20/EHT40.(Radio1)
- ♦ Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.(Radio3)

1.1.2 Antenna Information

Group	Ant.	Brand	Model Name	Antenna Type	Connector	Support
A	1	AWAN	7102A0668000	Dipole	Reverse SMA	2.4G+5G
	2	AWAN	7102A0668000	Dipole	Reverse SMA	2.4G+5G
	3	AWAN	7102A0669000	Dipole	Reverse SMA	2.4G+5G+6G
	4	AWAN	7102A0669000	Dipole	Reverse SMA	2.4G+5G+6G
	5	AWAN	7102A0667000	Dipole	Reverse SMA	6G
	6	AWAN	7102A0667000	Dipole	Reverse SMA	6G
-	7	Enrack	7102A1239000	PIFA	I-Pex	BT+Zigbee
B	8	Master Wave	7102A1334000	Dipole	Reverse SMA	2.4G+5G
	9	Master Wave	7102A1334000	Dipole	Reverse SMA	2.4G+5G
	10	Master Wave	7102A1335000	Dipole	Reverse SMA	2.4G+5G+6G
	11	Master Wave	7102A1335000	Dipole	Reverse SMA	2.4G+5G+6G
	12	Master Wave	7102A1333000	Dipole	Reverse SMA	6G
	13	Master Wave	7102A1333000	Dipole	Reverse SMA	6G

Ant.	Port	Gain (dBi)					Remark	
		2.4G	5G	6G	BT	Zigbee		
1	1	3.53	5.51	-	-	-	Radio 1 2.4G only 2*2	Radio 2 5G 2*2
2	2	3.40	5.34	-	-	-		
3	1	3.27	5.21	5.32	-	-	Radio 3 (Scan radio) 2.4G/5G/6G 2*2	
4	2	3.47	5.05	5.10	-	-		
5	1	-	-	5.20	-	-	Radio 2 6G 2*2	
6	2	-	-	5.03	-	-		
7	1	-	-	-	4.82	4.82	-	

Ant.	Port	Gain (dBi)					Remark	
		2.4G	5G	6G	BT	Zigbee		
8	1	3.19	5.14	-	-	-	Radio 1 2.4G only 2*2	Radio 2 5G 2*2
9	2	3.27	5.13	-	-	-		
10	1	3.13	5.03	4.66	-	-	Radio 3 (Scan radio) 2.4G/5G/6G 2*2	
11	2	3.03	5.03	4.82	-	-		
12	1	-	-	5.01	-	-	Radio 2 6G 2*2	
13	2	-	-	4.89	-	-		

Note 1: The EUT has thirteen antennas.

Note 2: EUT can match with above antennas for using. Higher gain in each group of antennas was used to perform the worst configuration and result of that was recorded as the final test result.

Note 3: Directional gain information

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

For 2.4GHz function:

< Radio 1>

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) or Ant. 8 (port 1) and Ant. 9 (port 2) could transmit/receive simultaneously.

< Radio 3><Scan>

For IEEE 802.11 b/g/n/VHT/ax mode (2RX)

Ant. 3 (port 1) and Ant. 4 (port 2) or Ant. 10 (port 1) and Ant. 11 (port 2) can be used as receiving.

For 5GHz function:

< Radio 2>

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) or Ant. 8 (port 1) and Ant. 9 (port 2) could transmit/receive simultaneously.

< Radio 3><Scan>

For IEEE 802.11 a/n/ac/ax mode (2RX)

Ant. 3 (port 1) and Ant. 4 (port 2) or Ant. 10 (port 1) and Ant. 11 (port 2) can be used as receiving.

For 6GHz function:

< Radio 2>

For IEEE 802.11 ax/be mode (2TX/2RX)

Ant. 5 (port 1) and Ant. 6 (port 2) or Ant. 12 (port 1) and Ant. 13 (port 2) could transmit/receive simultaneously.

< Radio 3><Scan>

For IEEE 802.11 ax mode (2RX)

Ant. 3 (port 1) and Ant. 4 (port 2) or Ant. 10 (port 1) and Ant. 11 (port 2) can be used as receiving.

For Bluetooth function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant.7 can be used as transmitting/receiving.

For Zigbee function:

For IEEE 802.15.4 mode (1TX/1RX)

Only Ant.7 can be used as transmitting/receiving.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / PoE		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
Resource Unit	☒ Full RU	☐ Partial RU	
Channel Puncturing	☐ Support	☒ Not support	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.: ...		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.999	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.974	0.11	5.455m	300

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.974	0.11	5.455m	300

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

**1.1.5 Table for Multiple Listing**

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
FORTINET	FortiAP 243Kxxxxxxxxx, FAP-243Kxxxxxxxxx, FORTIAP-243Kxxxxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	All the models are identical, the difference model served as marketing strategy.

From the above models, model: FAP-243K was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne Chiu	22.4~22.8°C / 52~57%	29/Jun/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH25-HY	Lego Lin	21.4~22.7°C / 53~58%	01/Jun/2024~15/Jun/2024
Radiated (Co-location)	03CH24-HY	Henry Ho	22.5~22.7°C / 52~53%	25/Jun/2024
RF Conducted	TH06-HY	Peng Huang	23.4~24.3°C / 51~55%	17/Jun/2024~22/Jun/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00099
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23
2437MHz	23
2462MHz	23
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	22
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	22
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	20.5
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	18.5
2427MHz	19.5
2437MHz	21.5
2447MHz	19.5
2452MHz	18.5

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	20.5
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18.5
2427MHz	19.5
2437MHz	21.5
2447MHz	19.5
2452MHz	18.5

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1_2.4G+ Radio 2_5G+Bluetooth
2	Radio 1_2.4G+ Radio 2_5G+Zigbee
Refer to Sporton Test Report No.: FA411229-01 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
BRACKET,METAL CLIP CEILING,RVAQ-AP43	Brand Name	WNC	Model Name	6B.SRVAQ.00N
BRACKET,CEILING RAIL 1	Brand Name	WNC	Model Name	3S.005AL.111
BRACKET,CEILING RAIL 2	Brand Name	WNC	Model Name	3S.005AK.111
Antenna 1 for 2/5GHz*2	Brand Name	AWAN	Model Name	7102A0668000
Antenna 1 for 2/5/6GHz*2	Brand Name	AWAN	Model Name	7102A0669000
Antenna 1 for 6GHz*2	Brand Name	AWAN	Model Name	7102A0667000
Antenna 2 for 2/5GHz*2	Brand Name	Master Wave	Model Name	7102A1334000
Antenna 2 for 2/5/6GHz*2	Brand Name	Master Wave	Model Name	7102A1335000
Antenna 2.for 6GHz*2	Brand Name	Master Wave	Model Name	7102A1333000

Reminder: Regarding to more detail and other information, please refer to user manual.

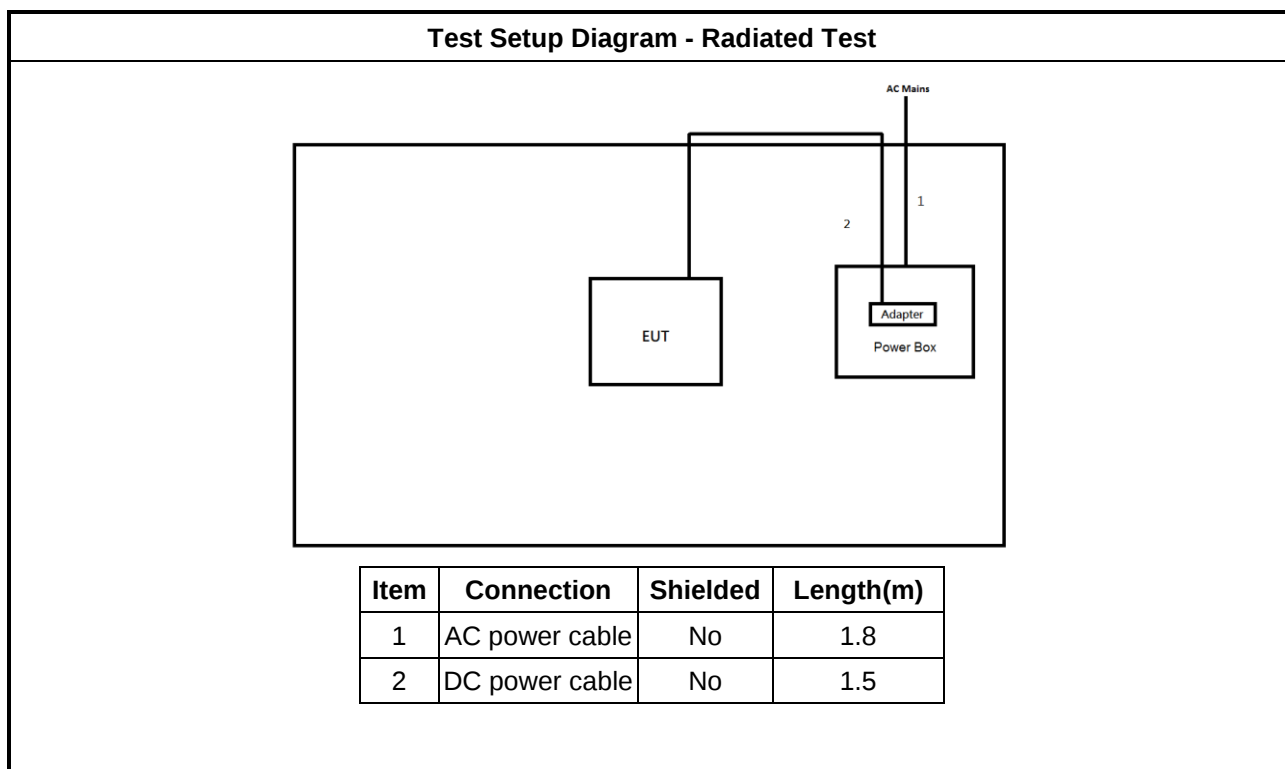
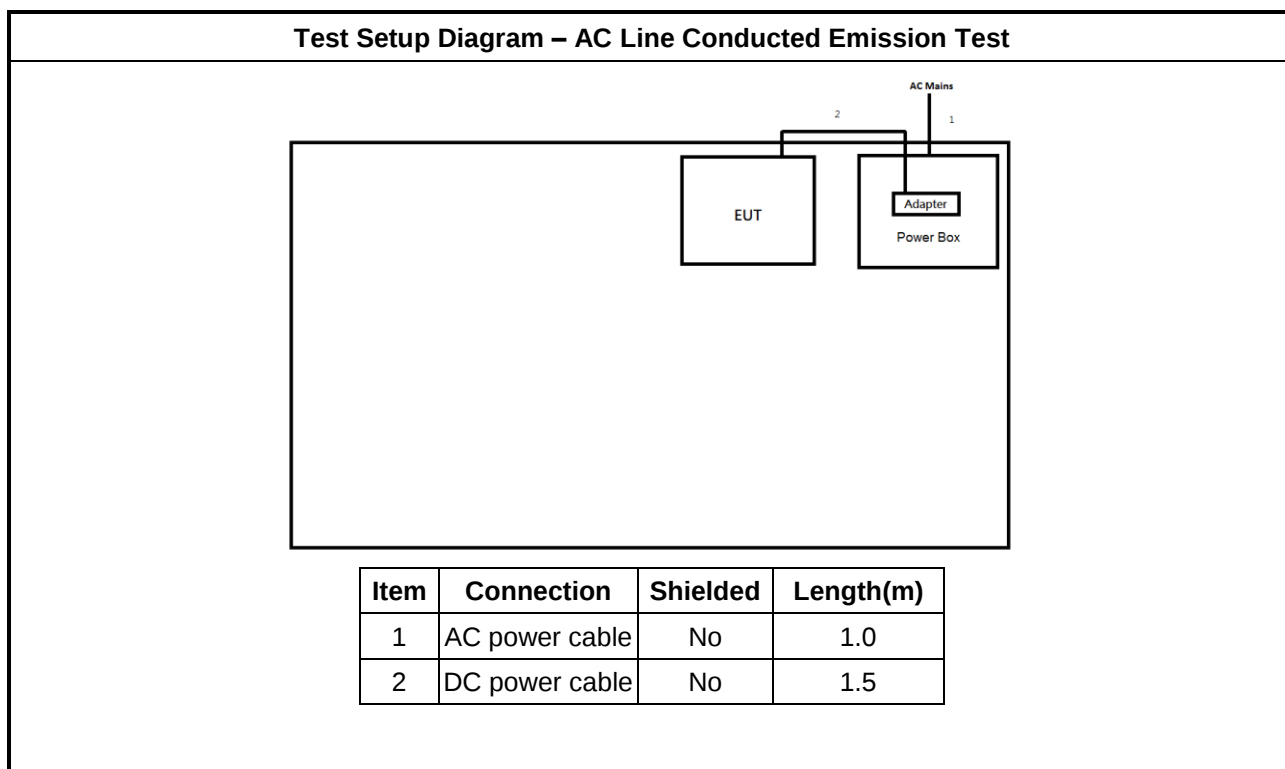
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

2.5 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

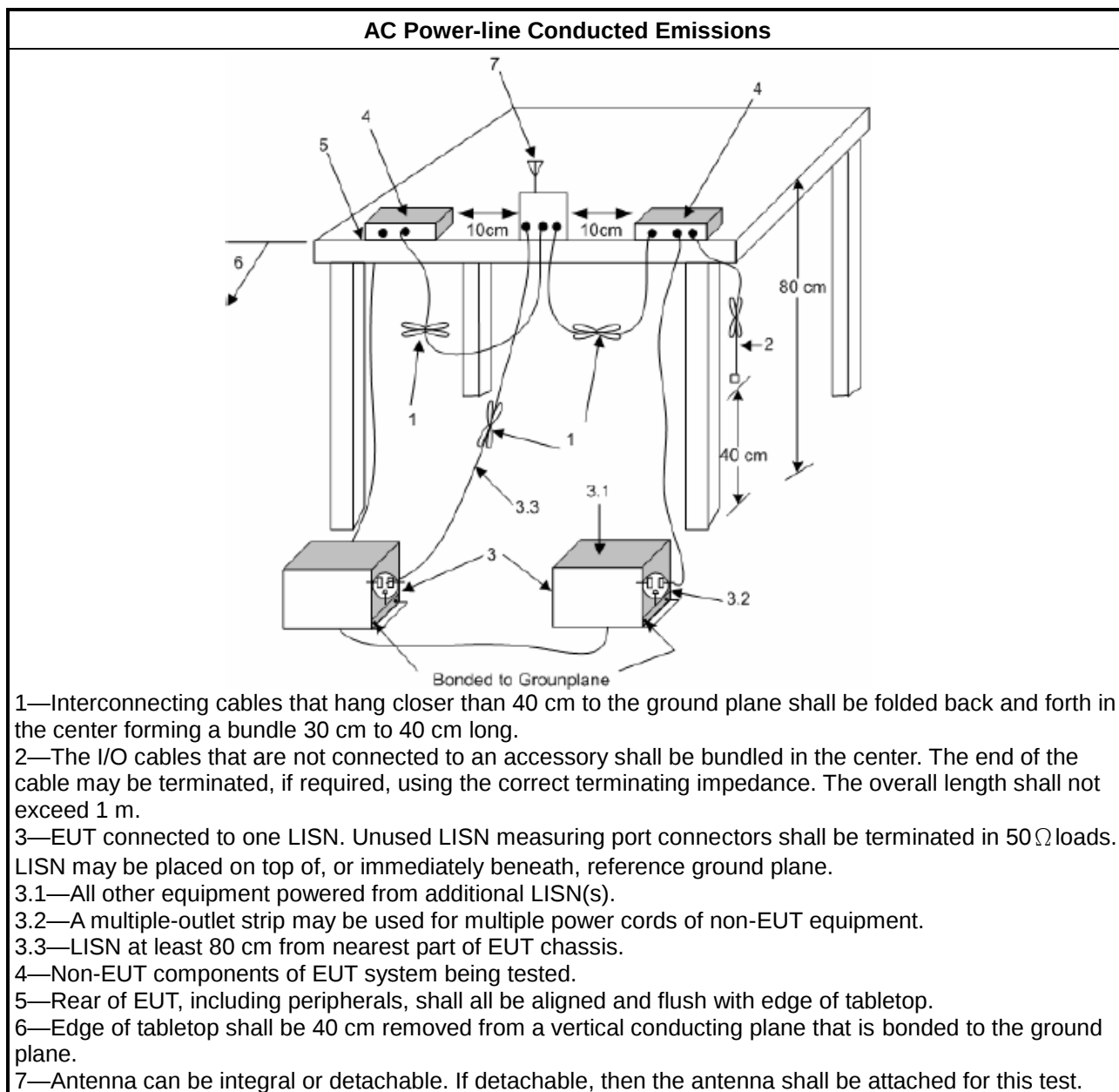
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

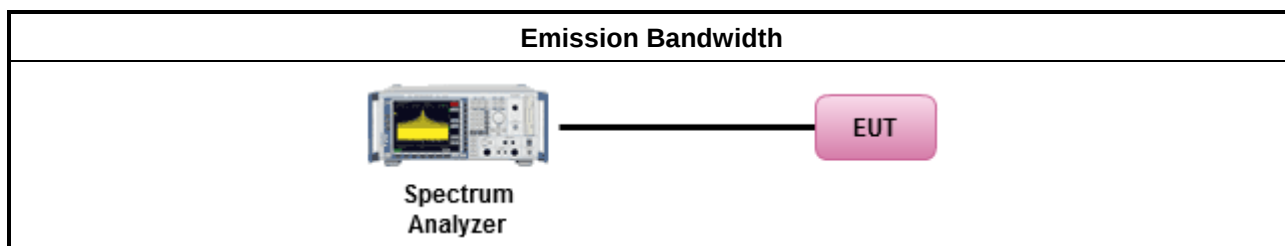
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

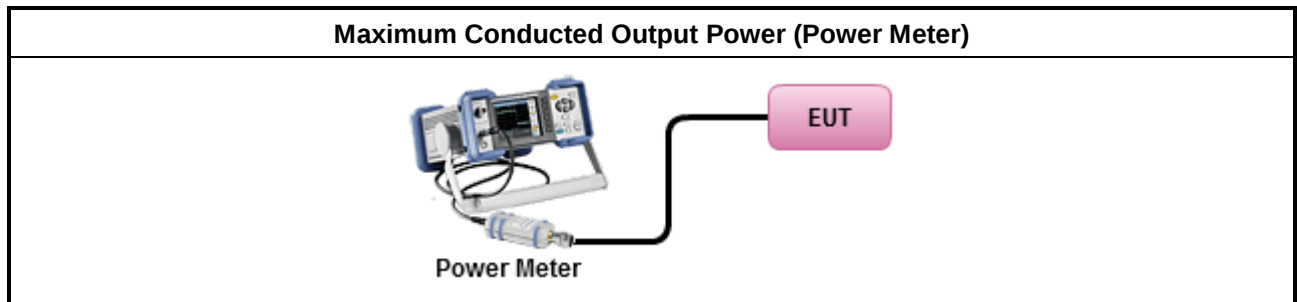
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

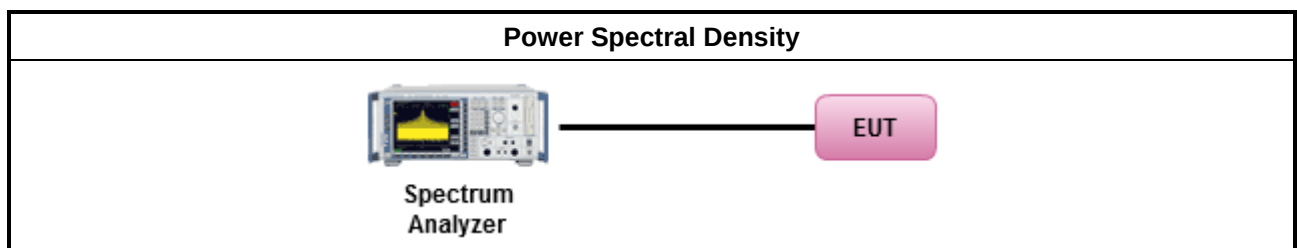
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

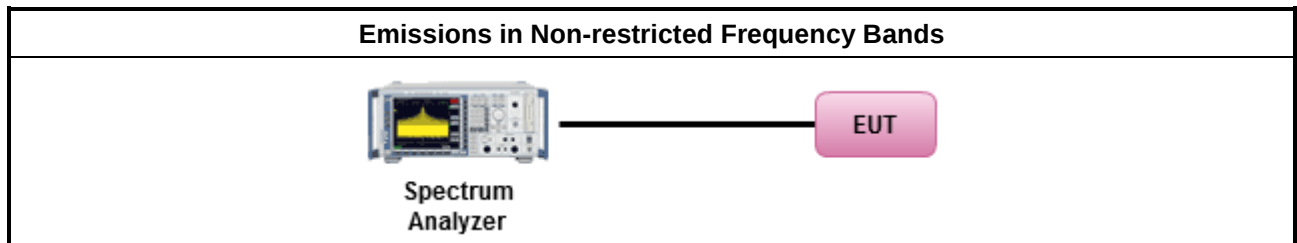
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

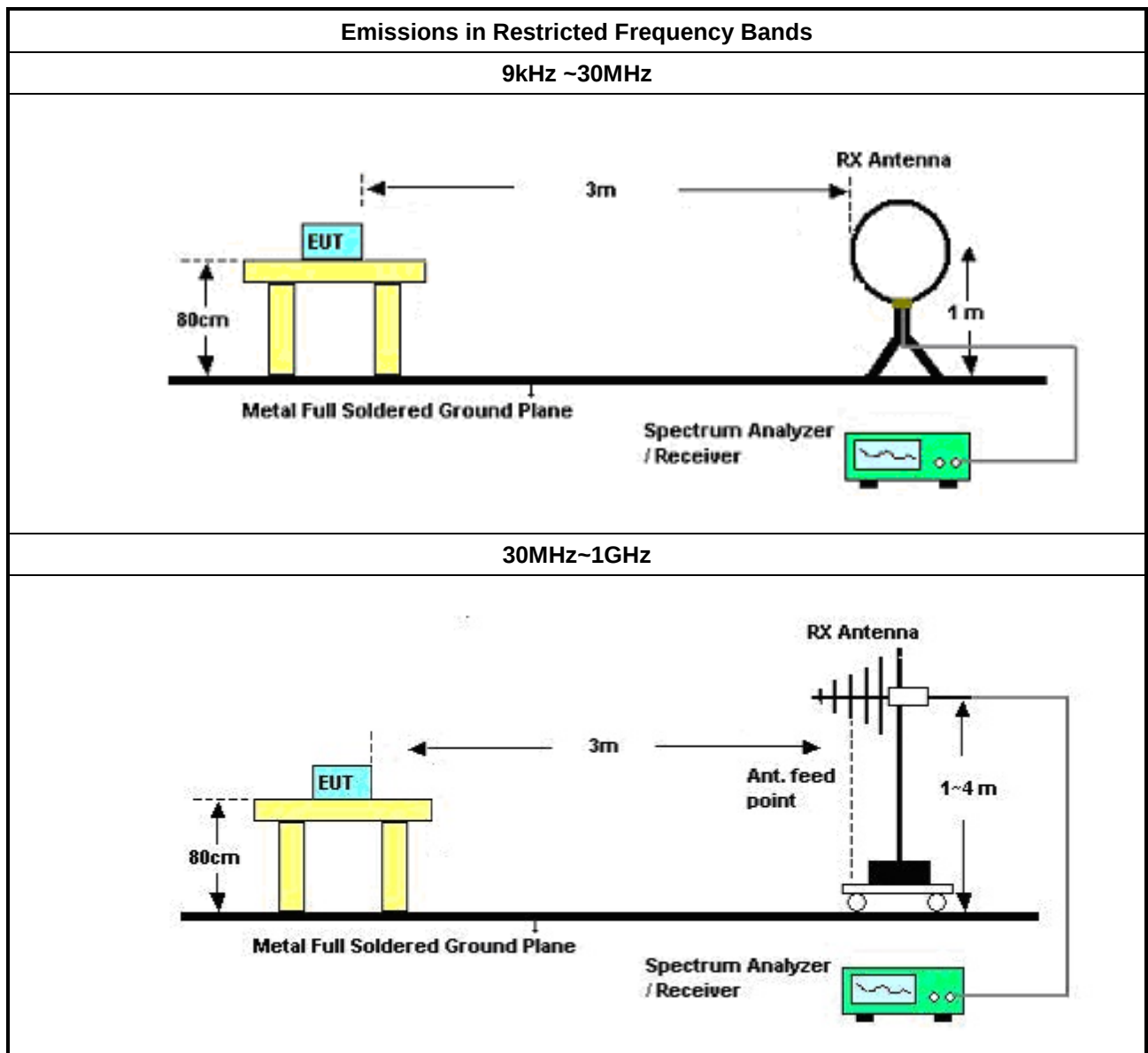
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted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

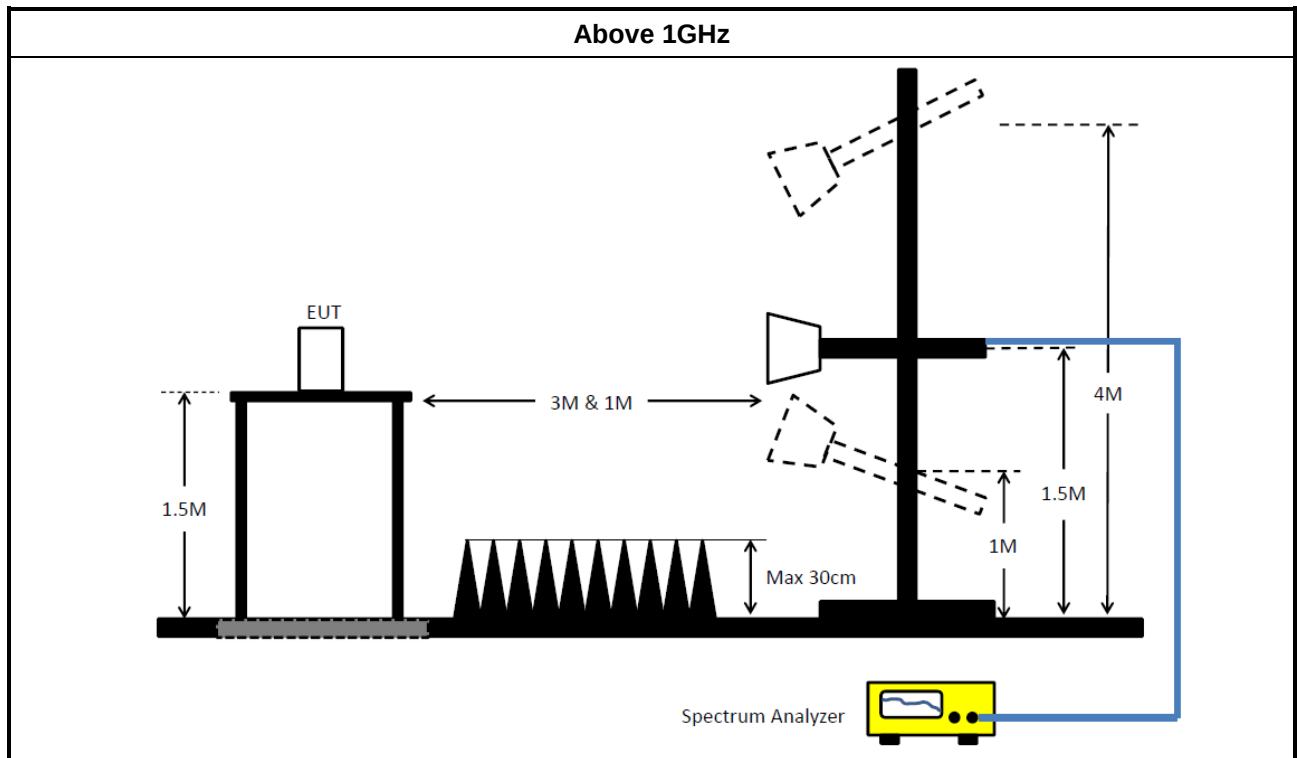
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
LISN(Artificial Mains Network)	SCHWARZBECK	NSLK 8127	8127477	9kHz ~ 30MHz	12/Apr/2024	11/Apr/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15247_DTS	Sporton	V5.11.18	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	30MHz~1GHz 3m	03/Aug/2023	02/Aug/2024
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	30/May/2024	29/May/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	12/Jul/2023	11/Jul/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	24/Apr/2024	23/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	24/May/2024	23/May/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.18	NA	NA	NA	NA

**Instrument for Radiated Test (Co-location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	30MHz~1GHz 3m	17/Aug/2023	16/Aug/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	10/Aug/2023	09/Aug/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	17/Aug/2023	16/Aug/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 102	CB001	1GHz~40GHz	19/Jun/2024	18/Jun/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	10/Aug/2023	09/Aug/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline_Non-Beamforming_Radio 1 Appendix A

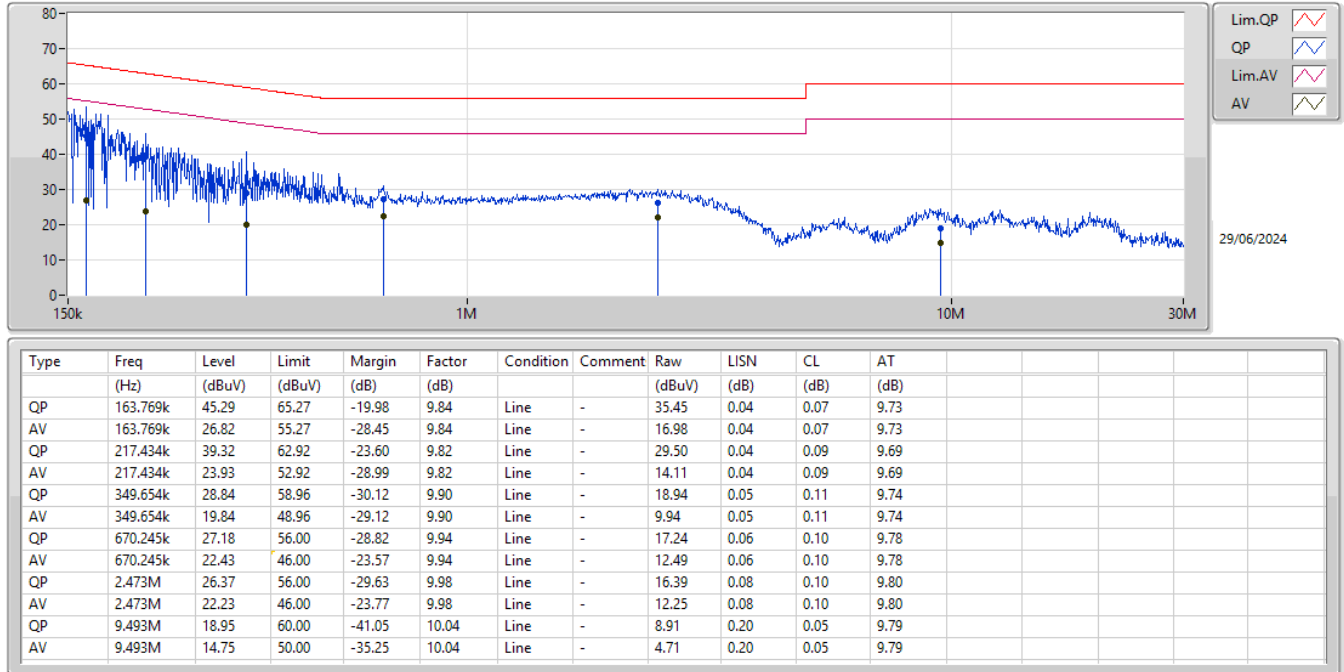
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	163.769k	45.29	65.27	-19.98	Line

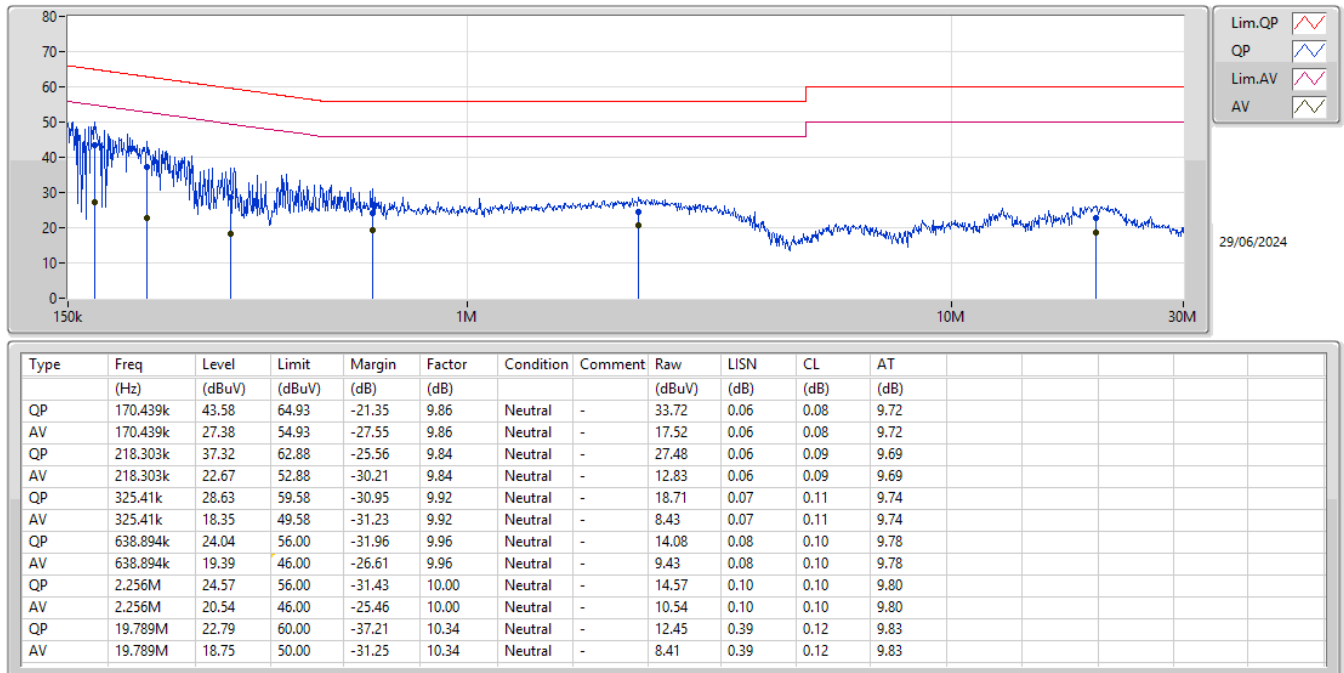
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.769k	45.29	65.27	-19.98	Line	-
Mode 1	Pass	AV	163.769k	26.82	55.27	-28.45	Line	-
Mode 1	Pass	QP	217.434k	39.32	62.92	-23.60	Line	-
Mode 1	Pass	AV	217.434k	23.93	52.92	-28.99	Line	-
Mode 1	Pass	QP	349.654k	28.84	58.96	-30.12	Line	-
Mode 1	Pass	AV	349.654k	19.84	48.96	-29.12	Line	-
Mode 1	Pass	QP	670.245k	27.18	56.00	-28.82	Line	-
Mode 1	Pass	AV	670.245k	22.43	46.00	-23.57	Line	-
Mode 1	Pass	QP	2.473M	26.37	56.00	-29.63	Line	-
Mode 1	Pass	AV	2.473M	22.23	46.00	-23.77	Line	-
Mode 1	Pass	QP	9.493M	18.95	60.00	-41.05	Line	-
Mode 1	Pass	AV	9.493M	14.75	50.00	-35.25	Line	-
Mode 1	Pass	QP	170.439k	43.58	64.93	-21.35	Neutral	-
Mode 1	Pass	AV	170.439k	27.38	54.93	-27.55	Neutral	-
Mode 1	Pass	QP	218.303k	37.32	62.88	-25.56	Neutral	-
Mode 1	Pass	AV	218.303k	22.67	52.88	-30.21	Neutral	-
Mode 1	Pass	QP	325.41k	28.63	59.58	-30.95	Neutral	-
Mode 1	Pass	AV	325.41k	18.35	49.58	-31.23	Neutral	-
Mode 1	Pass	QP	638.894k	24.04	56.00	-31.96	Neutral	-
Mode 1	Pass	AV	638.894k	19.39	46.00	-26.61	Neutral	-
Mode 1	Pass	QP	2.256M	24.57	56.00	-31.43	Neutral	-
Mode 1	Pass	AV	2.256M	20.54	46.00	-25.46	Neutral	-
Mode 1	Pass	QP	19.789M	22.79	60.00	-37.21	Neutral	-
Mode 1	Pass	AV	19.789M	18.75	50.00	-31.25	Neutral	-

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.2M	13.463M	13M5G1D	5.95M	12.894M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.492M	16M5D1D	12.55M	16.294M
802.11be EHT20_Nss1,(MCS0)_2TX	19.05M	19.065M	19M1D1D	8.375M	18.716M
802.11be EHT40_Nss1,(MCS0)_2TX	36M	37.781M	37M8D1D	31.15M	37.481M

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	8.075M	12.954M	5.95M	13.463M
2437MHz	Pass	500k	8.2M	12.894M	6.575M	13.268M
2462MHz	Pass	500k	6.525M	13.133M	7.1M	12.939M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.55M	16.294M	16.325M	16.492M
2437MHz	Pass	500k	13.15M	16.382M	16.075M	16.448M
2462MHz	Pass	500k	16.05M	16.36M	12.55M	16.382M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.625M	18.841M	15.975M	18.716M
2437MHz	Pass	500k	19.05M	18.966M	12.25M	18.816M
2462MHz	Pass	500k	8.375M	19.04M	18.5M	19.065M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.3M	37.581M	31.15M	37.731M
2437MHz	Pass	500k	33.1M	37.481M	33.85M	37.781M
2452MHz	Pass	500k	36M	37.481M	33.95M	37.781M

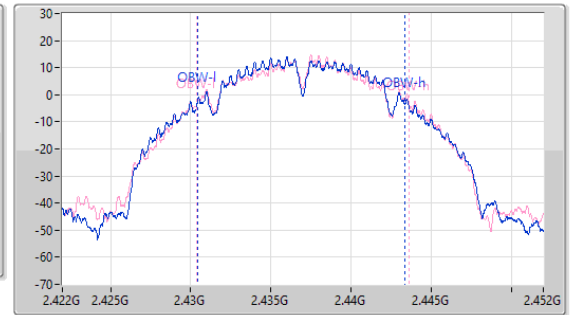
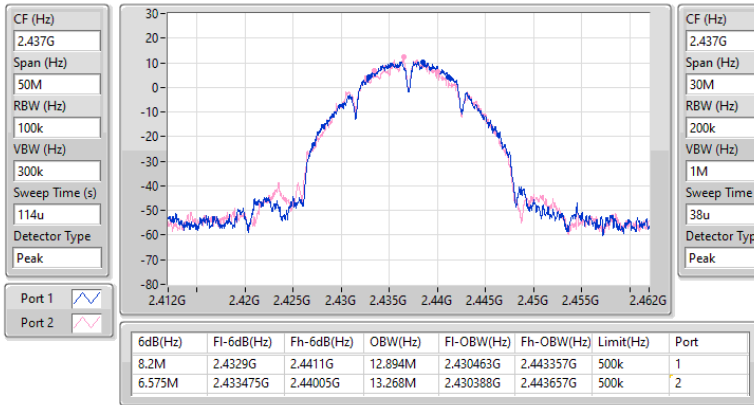
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2437MHz

17/06/2024

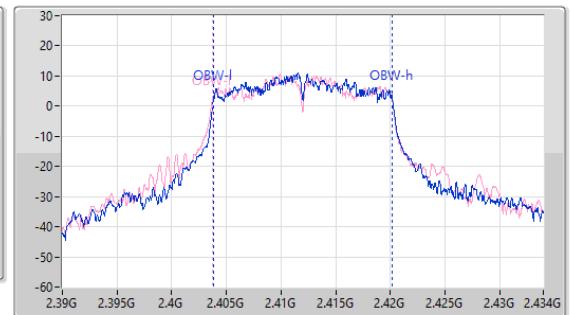
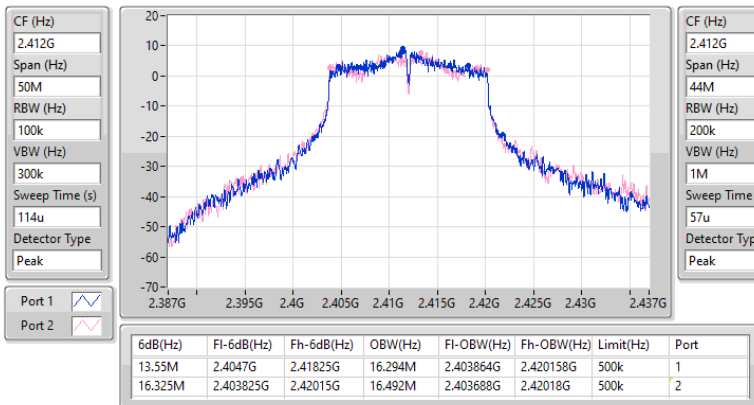


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

17/06/2024

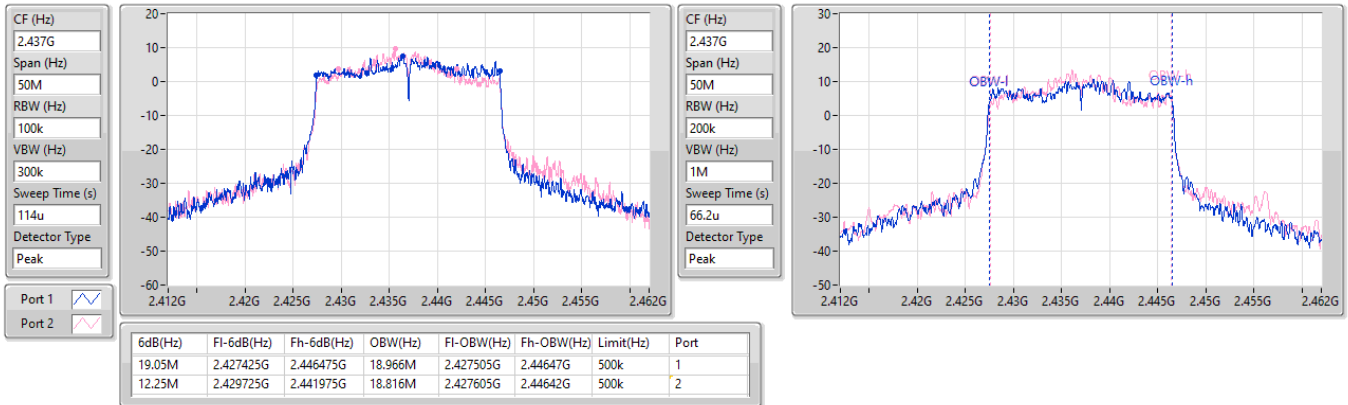


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

17/06/2024

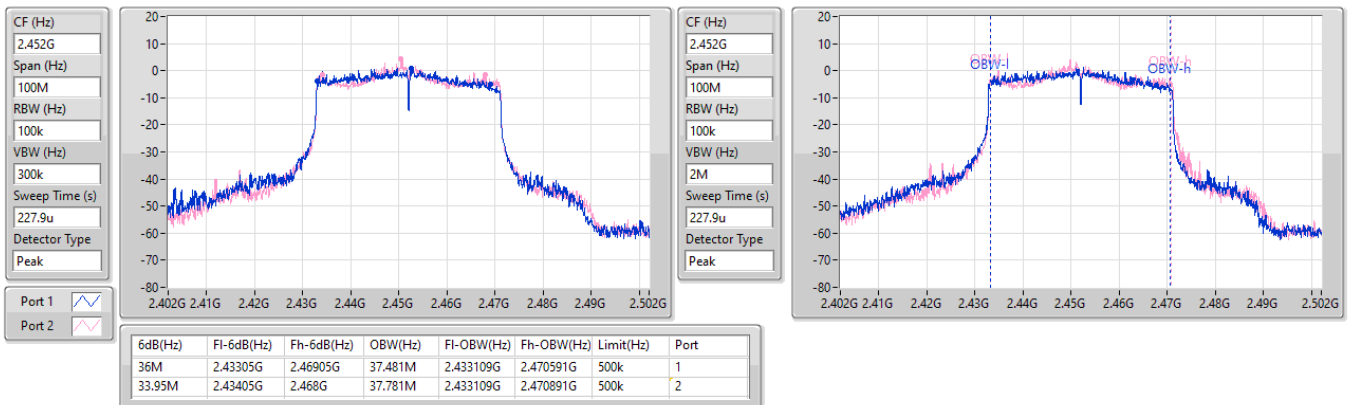


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

2452MHz

17/06/2024





Average Power_Non-Beamforming_Radio 1

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.96	0.31333
802.11g_Nss1,(6Mbps)_2TX	25.15	0.32734
802.11be EHT20_Nss1,(MCS0)_2TX	25.03	0.31842
802.11be EHT40_Nss1,(MCS0)_2TX	24.06	0.25468



Average Power_Non-Beamforming_Radio 1

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.53	22.25	21.63	24.96	30.00
2437MHz	Pass	3.53	22.15	21.70	24.94	30.00
2462MHz	Pass	3.53	22.01	21.68	24.86	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.53	21.28	20.88	24.09	30.00
2417MHz	Pass	3.53	22.33	21.85	25.11	30.00
2437MHz	Pass	3.53	22.27	21.95	25.12	30.00
2457MHz	Pass	3.53	22.30	21.97	25.15	30.00
2462MHz	Pass	3.53	21.32	20.96	24.15	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.53	18.27	18.77	21.54	30.00
2417MHz	Pass	3.53	21.65	22.15	24.92	30.00
2437MHz	Pass	3.53	22.51	21.22	24.92	30.00
2457MHz	Pass	3.53	22.57	21.40	25.03	30.00
2462MHz	Pass	3.53	19.48	19.61	22.56	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.53	18.25	17.72	21.00	30.00
2427MHz	Pass	3.53	19.16	19.45	22.32	30.00
2437MHz	Pass	3.53	21.04	21.06	24.06	30.00
2447MHz	Pass	3.53	19.07	19.19	22.14	30.00
2452MHz	Pass	3.53	18.04	18.28	21.17	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.91	0.30974
802.11be EHT40-BF_Nss1,(MCS0)_2TX	23.94	0.24774



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.48	18.13	18.67	21.42	29.52
2417MHz	Pass	6.48	21.51	22.04	24.79	29.52
2437MHz	Pass	6.48	22.38	21.08	24.79	29.52
2457MHz	Pass	6.48	22.45	21.28	24.91	29.52
2462MHz	Pass	6.48	19.35	19.51	22.44	29.52
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.48	18.13	17.60	20.88	29.52
2427MHz	Pass	6.48	19.06	19.31	22.20	29.52
2437MHz	Pass	6.48	20.91	20.95	23.94	29.52
2447MHz	Pass	6.48	18.93	19.05	22.00	29.52
2452MHz	Pass	6.48	17.92	18.15	21.05	29.52

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.52
802.11g_Nss1,(6Mbps)_2TX	-2.28
802.11be EHT20_Nss1,(MCS0)_2TX	-0.00
802.11be EHT40_Nss1,(MCS0)_2TX	-3.96

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	6.48	-0.05	-4.13	0.52	7.52
2437MHz	Pass	6.48	-5.26	-5.35	-2.96	7.52
2462MHz	Pass	6.48	-5.26	-4.91	-2.69	7.52
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.48	-3.88	-6.16	-3.36	7.52
2437MHz	Pass	6.48	-4.10	-4.92	-2.28	7.52
2462MHz	Pass	6.48	-5.64	-3.53	-2.38	7.52
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.48	-5.59	-3.66	-3.02	7.52
2437MHz	Pass	6.48	-2.91	-2.04	-0.00	7.52
2462MHz	Pass	6.48	-6.39	-4.10	-2.82	7.52
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.48	-7.61	-10.59	-7.07	7.52
2437MHz	Pass	6.48	-6.89	-5.09	-3.96	7.52
2452MHz	Pass	6.48	-10.56	-7.08	-6.12	7.52

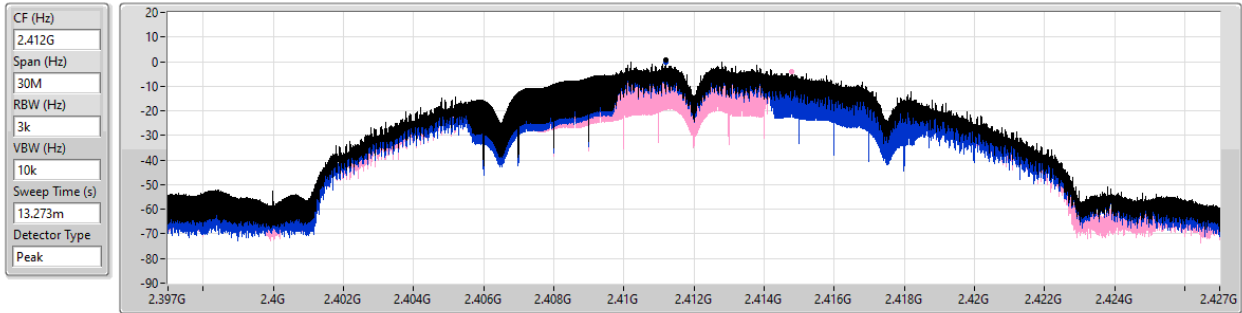
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2412MHz

17/06/2024



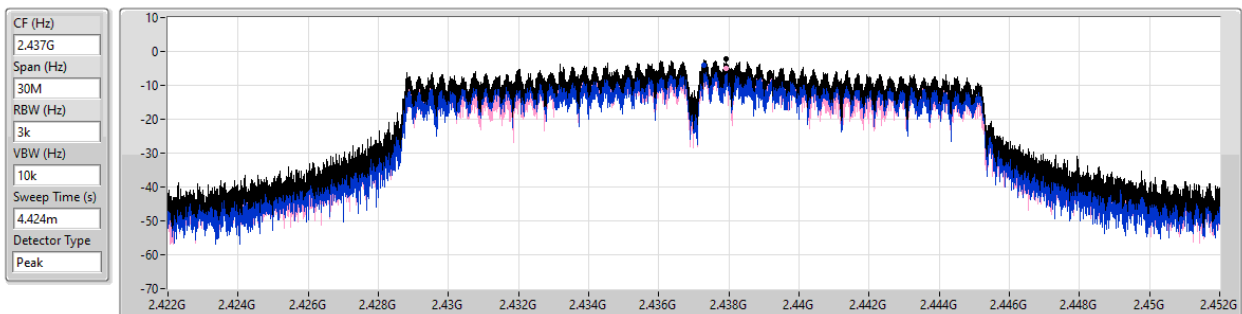
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.52	0.52	-0.05	-4.13

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

PSD

2437MHz

17/06/2024



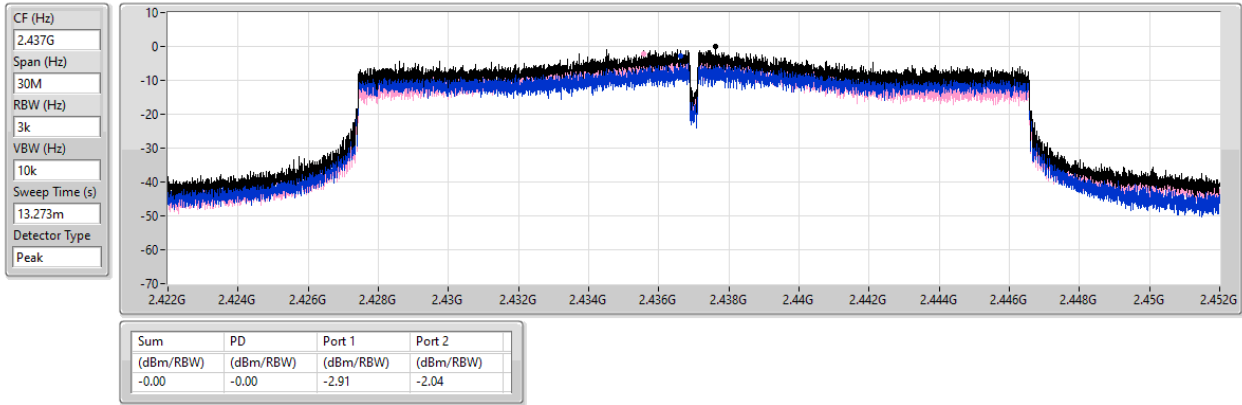
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.28	-2.28	-4.10	-4.92

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

PSD

2437MHz

17/06/2024

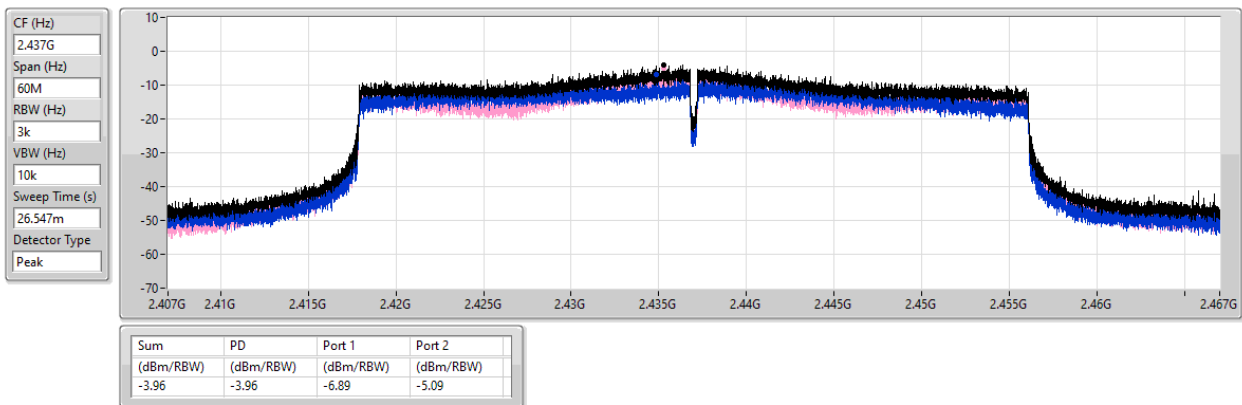


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

17/06/2024





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	2.41253G	13.35	-16.65	1.99885G	-55.93	2.4G	-38.14	2.4G	-38.67	2.51118G	-53.60	16.22574G	-42.20	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	12.69	-17.31	1.90449G	-54.21	2.39984G	-20.00	2.4G	-21.09	2.5159G	-53.22	15.2452G	-41.42	2
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43824G	12.75	-17.25	2.30991G	-54.76	2.39992G	-23.77	2.4G	-21.70	2.50494G	-53.83	16.22855G	-41.58	2
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.4344G	8.44	-21.56	30M	-52.53	2.4G	-27.17	2.4G	-27.11	2.52958G	-54.02	24.6298G	-41.85	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	2.41253G	13.35	-16.65	909.58M	-55.10	2.39904G	-39.48	2.4G	-42.74	2.5115G	-53.35	17.60523G	-42.36	1
2412MHz	Pass	2.41253G	13.35	-16.65	1.99885G	-55.93	2.4G	-38.14	2.4G	-38.67	2.51118G	-53.60	16.22574G	-42.20	2
2437MHz	Pass	2.41253G	13.35	-16.65	928.22M	-54.65	2.4G	-51.13	2.4G	-50.79	2.51558G	-53.48	16.20888G	-41.62	1
2437MHz	Pass	2.41253G	13.35	-16.65	2.30408G	-54.77	2.3964G	-51.81	2.4G	-52.87	2.50318G	-53.41	15.21429G	-41.72	2
2462MHz	Pass	2.41253G	13.35	-16.65	2.12351G	-54.40	2.4G	-48.74	2.4G	-48.31	2.52046G	-52.17	23.27493G	-41.57	1
2462MHz	Pass	2.41253G	13.35	-16.65	886.28M	-55.45	2.39928G	-52.45	2.4G	-53.03	2.51286G	-54.01	16.26226G	-40.36	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.69	-17.31	931.71M	-55.53	2.39992G	-21.70	2.4G	-24.18	2.51014G	-53.63	24.66847G	-41.13	1
2412MHz	Pass	2.43824G	12.69	-17.31	1.90449G	-54.21	2.39984G	-20.00	2.4G	-21.09	2.5159G	-53.22	15.2452G	-41.42	2
2437MHz	Pass	2.43824G	12.69	-17.31	2.09555G	-54.92	2.4G	-46.51	2.4G	-47.23	2.50094G	-53.77	15.25363G	-41.93	1
2437MHz	Pass	2.43824G	12.69	-17.31	2.15729G	-55.35	2.39896G	-46.91	2.4G	-49.40	2.5195G	-53.81	21.651G	-42.13	2
2462MHz	Pass	2.43824G	12.69	-17.31	913.07M	-55.86	2.4G	-48.70	2.4G	-49.63	2.5171G	-53.66	17.54061G	-42.38	1
2462MHz	Pass	2.43824G	12.69	-17.31	2.30641G	-55.00	2.4G	-50.71	2.4G	-50.42	2.51198G	-53.59	16.96465G	-42.42	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.75	-17.25	2.11186G	-54.01	2.4G	-27.88	2.4G	-27.51	2.51694G	-53.54	17.61085G	-41.16	1
2412MHz	Pass	2.43824G	12.75	-17.25	2.30991G	-54.76	2.39992G	-23.77	2.4G	-21.70	2.50494G	-53.83	16.22855G	-41.58	2
2437MHz	Pass	2.43824G	12.75	-17.25	1.79148G	-55.96	2.39704G	-44.55	2.4G	-46.39	2.51214G	-52.60	16.23136G	-42.25	1
2437MHz	Pass	2.43824G	12.75	-17.25	2.30175G	-55.60	2.39984G	-42.90	2.4G	-46.87	2.50998G	-54.08	23.30864G	-40.69	2
2462MHz	Pass	2.43824G	12.75	-17.25	896.76M	-55.44	2.4G	-48.41	2.4G	-49.30	2.50894G	-53.14	16.22574G	-42.08	1
2462MHz	Pass	2.43824G	12.75	-17.25	1.89284G	-55.03	2.3992G	-50.93	2.4G	-51.96	2.50094G	-53.48	16.63874G	-42.28	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	8.44	-21.56	30M	-52.53	2.4G	-27.17	2.4G	-27.11	2.52958G	-54.02	24.6298G	-41.85	1
2422MHz	Pass	2.4344G	8.44	-21.56	30M	-53.85	2.39952G	-28.34	2.4G	-30.30	2.56126G	-53.85	23.3397G	-42.40	2
2437MHz	Pass	2.4344G	8.44	-21.56	33.44M	-49.86	2.3984G	-30.12	2.4G	-29.18	2.51582G	-53.66	16.25257G	-41.63	1
2437MHz	Pass	2.4344G	8.44	-21.56	30M	-48.91	2.39712G	-31.54	2.4G	-34.77	2.52734G	-53.50	17.60717G	-41.66	2
2452MHz	Pass	2.4344G	8.44	-21.56	30M	-53.31	2.39936G	-47.10	2.4G	-48.68	2.55342G	-53.77	16.61436G	-42.29	1
2452MHz	Pass	2.4344G	8.44	-21.56	32.29M	-53.05	2.39856G	-44.91	2.4G	-43.83	2.52126G	-53.72	16.28622G	-41.90	2

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

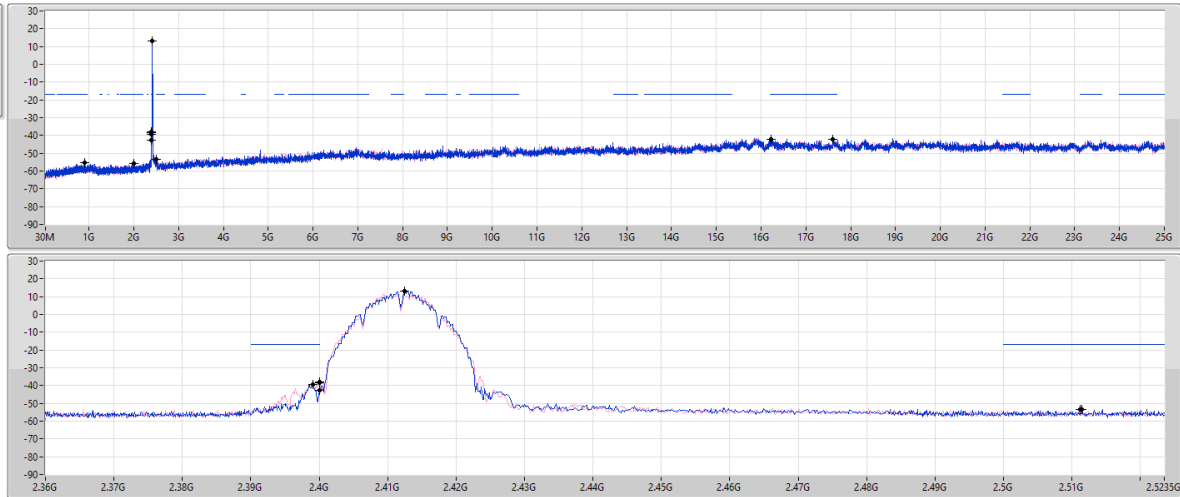
CSEndB

2412MHz

17/06/2024

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

Port 1
Port 2



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
2.41253G	13.35	-16.65	909.58M	-55.10	2.39904G	-39.48	2.4G	-42.74	2.5115G	-53.35	17.60523G	-42.36	1
2.41253G	13.35	-16.65	1.99885G	-55.93	2.4G	-38.14	2.4G	-38.67	2.51118G	-53.60	16.22574G	-42.20	2

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

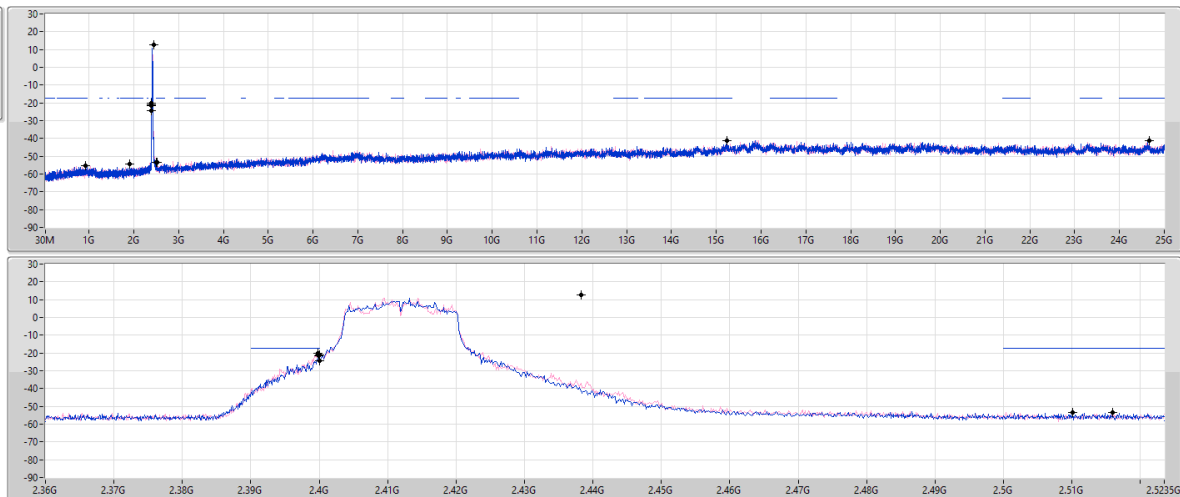
CSEndB

2412MHz

17/06/2024

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

Port 1
Port 2



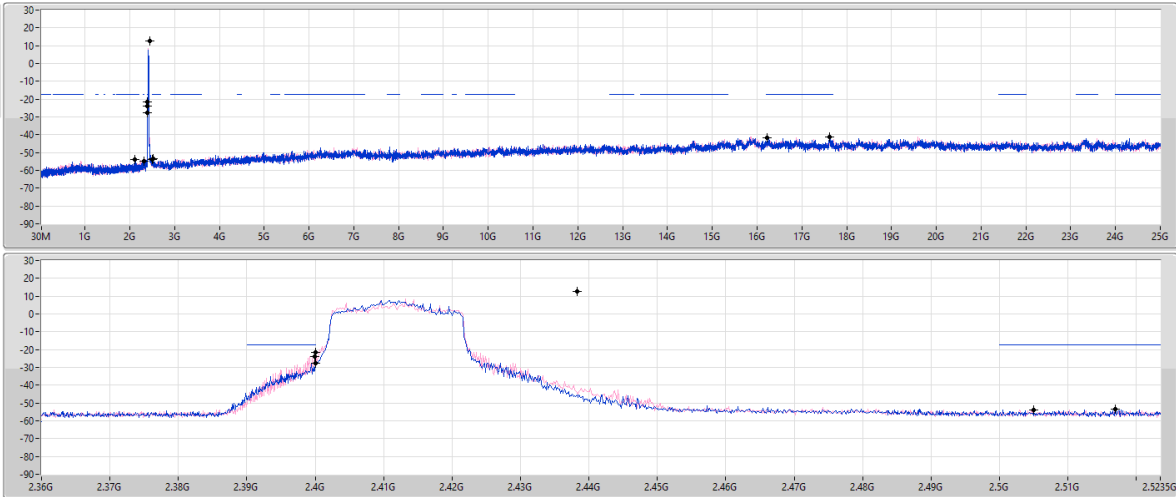
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.69	-17.31	931.71M	-55.53	2.39922G	-21.70	2.4G	-24.18	2.51014G	-53.63	24.66847G	-41.13	1
2.43824G	12.69	-17.31	1.90449G	-54.21	2.39984G	-20.00	2.4G	-21.09	2.5159G	-53.22	15.2452G	-41.42	2

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

CSEndB

2412MHz

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



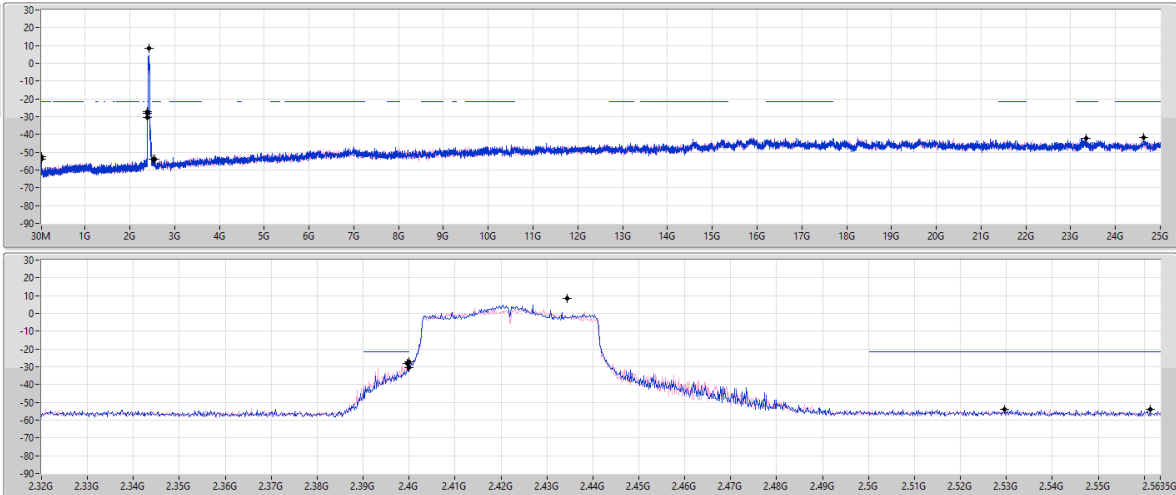
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.75	-17.25	2.11186G	-54.01	2.4G	-27.88	2.4G	-27.51	2.51694G	-53.34	17.61085G	-41.16	1
2.43824G	12.75	-17.25	2.30991G	-54.76	2.39992G	-23.77	2.4G	-21.70	2.50494G	-53.83	16.22855G	-41.58	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	8.44	-21.56	30M	-52.53	2.4G	-27.17	2.4G	-27.11	2.52958G	-54.02	24.6298G	-41.85	1
2.4344G	8.44	-21.56	30M	-53.85	2.39952G	-28.34	2.4G	-30.30	2.56126G	-53.85	23.3397G	-42.40	2



Summary

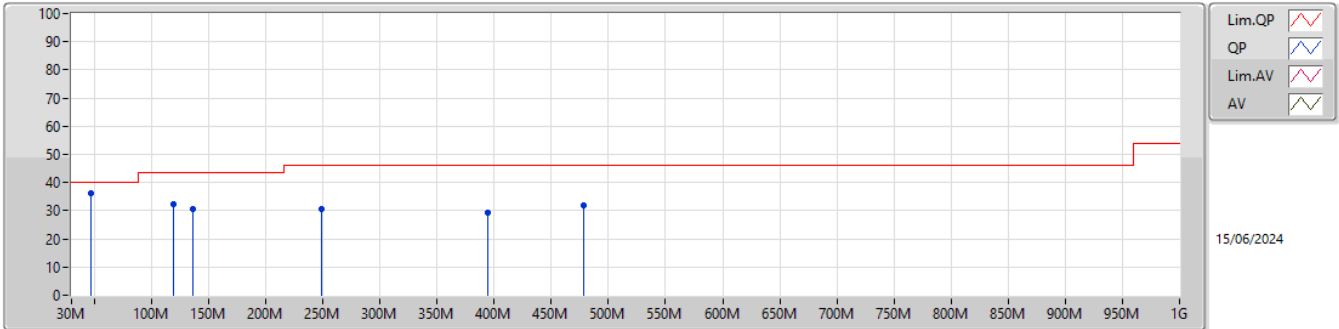
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	47.46M	36.06	40.00	-3.94	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz_Adapter	Pass	PK	47.46M	36.06	40.00	-3.94	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	119.24M	32.38	43.50	-11.12	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	136.7M	30.79	43.50	-12.71	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	249.22M	30.47	46.00	-15.53	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	394.72M	29.52	46.00	-16.48	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	478.14M	32.04	46.00	-13.96	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	30M	20.12	40.00	-19.88	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	90.14M	24.88	43.50	-18.62	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	136.7M	25.18	43.50	-18.32	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	206.54M	24.30	43.50	-19.20	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	249.22M	25.06	46.00	-20.94	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	346.22M	24.09	46.00	-21.91	3	Horizontal	0	1.00

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

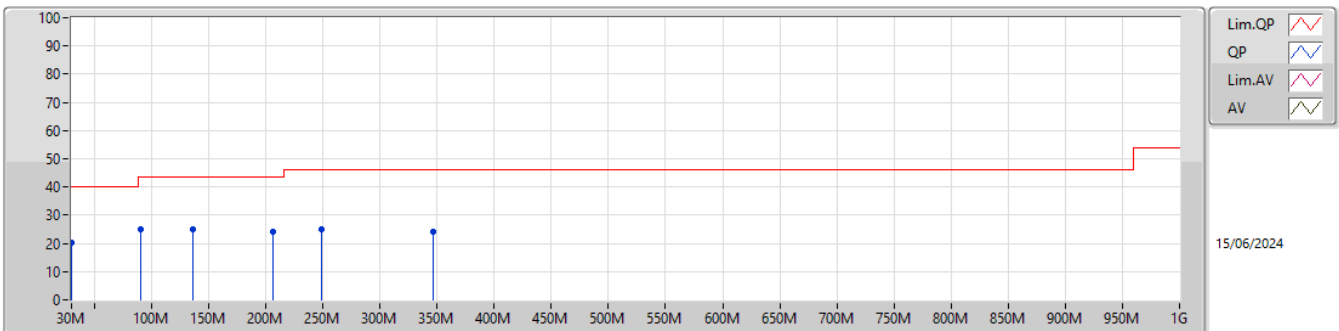
2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	36.06	40.00	-3.94	-28.21	3	Vertical	360	1.00	64.27	15.85	0.49	44.55
PK	119.24M	32.38	43.50	-11.12	-26.21	3	Vertical	360	1.00	58.59	17.51	0.83	44.55
PK	136.7M	30.79	43.50	-12.71	-26.02	3	Vertical	360	1.00	56.81	17.60	0.96	44.58
PK	249.22M	30.47	46.00	-15.53	-24.71	3	Vertical	360	1.00	55.18	18.51	1.15	44.37
PK	394.72M	29.52	46.00	-16.48	-20.82	3	Vertical	360	1.00	50.34	21.78	1.43	44.03
PK	478.14M	32.04	46.00	-13.96	-18.61	3	Vertical	360	1.00	50.65	23.70	1.59	43.90

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	20.12	40.00	-19.88	-19.10	3	Horizontal	0	1.00	39.22	24.72	0.45	44.27
PK	90.14M	24.88	43.50	-18.62	-28.68	3	Horizontal	0	1.00	53.56	15.09	0.84	44.61
PK	136.7M	25.18	43.50	-18.32	-26.02	3	Horizontal	0	1.00	51.20	17.60	0.96	44.58
PK	206.54M	24.30	43.50	-19.20	-28.05	3	Horizontal	0	1.00	52.35	15.30	1.12	44.47
PK	249.22M	25.06	46.00	-20.94	-24.71	3	Horizontal	0	1.00	49.77	18.51	1.15	44.37
PK	346.22M	24.09	46.00	-21.91	-22.37	3	Horizontal	0	1.00	46.46	20.49	1.29	44.15



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	7.38522G	44.68	54.00	-9.32	3	Vertical	156	1.89
802.11g_Nss1,(6Mbps)_2TX	Pass	PK	2.39G	72.92	74.00	-1.08	3	Vertical	358	1.50
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	2.485G	73.76	74.00	-0.24	3	Vertical	23	1.31
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	2.39G	73.55	74.00	-0.45	3	Vertical	4	1.11

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	43.29	54.00	-10.71	3	Vertical	354	1.50
2412MHz	Pass	AV	2.4112G	114.43	Inf	-Inf	3	Vertical	354	1.50
2412MHz	Pass	PK	2.3624G	56.35	74.00	-17.65	3	Vertical	354	1.50
2412MHz	Pass	PK	2.4112G	117.07	Inf	-Inf	3	Vertical	354	1.50
2412MHz	Pass	AV	2.3856G	42.96	54.00	-11.04	3	Horizontal	195	2.33
2412MHz	Pass	AV	2.4112G	105.23	Inf	-Inf	3	Horizontal	195	2.33
2412MHz	Pass	PK	2.3736G	56.44	74.00	-17.56	3	Horizontal	195	2.33
2412MHz	Pass	PK	2.4112G	107.96	Inf	-Inf	3	Horizontal	195	2.33
2412MHz	Pass	AV	4.82398G	37.57	54.00	-16.43	3	Vertical	161	1.25
2412MHz	Pass	PK	4.82386G	44.34	74.00	-29.66	3	Vertical	161	1.25
2412MHz	Pass	AV	4.82401G	30.42	54.00	-23.58	3	Horizontal	158	1.17
2412MHz	Pass	PK	4.82404G	42.35	74.00	-31.65	3	Horizontal	158	1.17
2437MHz	Pass	AV	2.3898G	43.34	54.00	-10.66	3	Vertical	4	1.00
2437MHz	Pass	AV	2.4378G	115.36	Inf	-Inf	3	Vertical	4	1.00
2437MHz	Pass	AV	2.4842G	43.65	54.00	-10.35	3	Vertical	4	1.00
2437MHz	Pass	PK	2.3482G	56.74	74.00	-17.26	3	Vertical	4	1.00
2437MHz	Pass	PK	2.4378G	117.79	Inf	-Inf	3	Vertical	4	1.00
2437MHz	Pass	PK	2.4994G	57.64	74.00	-16.36	3	Vertical	4	1.00
2437MHz	Pass	AV	2.3894G	42.92	54.00	-11.08	3	Horizontal	191	1.69
2437MHz	Pass	AV	2.4378G	106.34	Inf	-Inf	3	Horizontal	191	1.69
2437MHz	Pass	AV	2.4974G	43.64	54.00	-10.36	3	Horizontal	191	1.69
2437MHz	Pass	PK	2.3582G	56.91	74.00	-17.09	3	Horizontal	191	1.69
2437MHz	Pass	PK	2.4378G	109.03	Inf	-Inf	3	Horizontal	191	1.69
2437MHz	Pass	PK	2.4994G	56.71	74.00	-17.29	3	Horizontal	191	1.69
2437MHz	Pass	AV	4.87398G	36.30	54.00	-17.70	3	Vertical	30	1.50
2437MHz	Pass	AV	7.31024G	43.01	54.00	-10.99	3	Vertical	156	1.91
2437MHz	Pass	PK	4.87404G	43.82	74.00	-30.18	3	Vertical	30	1.50
2437MHz	Pass	PK	7.30964G	50.99	74.00	-23.01	3	Vertical	156	1.91
2437MHz	Pass	AV	4.87402G	30.07	54.00	-23.93	3	Horizontal	171	1.00
2437MHz	Pass	AV	7.31176G	41.56	54.00	-12.44	3	Horizontal	180	1.00
2437MHz	Pass	PK	4.87358G	41.87	74.00	-32.13	3	Horizontal	171	1.00
2437MHz	Pass	PK	7.31026G	49.96	74.00	-24.04	3	Horizontal	180	1.00
2462MHz	Pass	AV	2.4612G	113.01	Inf	-Inf	3	Vertical	28	1.20
2462MHz	Pass	AV	2.4852G	44.02	54.00	-9.98	3	Vertical	28	1.20
2462MHz	Pass	PK	2.461G	115.72	Inf	-Inf	3	Vertical	28	1.20
2462MHz	Pass	PK	2.4996G	58.17	74.00	-15.83	3	Vertical	28	1.20
2462MHz	Pass	AV	2.4612G	105.84	Inf	-Inf	3	Horizontal	197	2.56
2462MHz	Pass	AV	2.4866G	43.65	54.00	-10.35	3	Horizontal	197	2.56
2462MHz	Pass	PK	2.461G	108.50	Inf	-Inf	3	Horizontal	197	2.56
2462MHz	Pass	PK	2.4918G	57.15	74.00	-16.85	3	Horizontal	197	2.56
2462MHz	Pass	AV	4.924G	36.23	54.00	-17.77	3	Vertical	338	1.50
2462MHz	Pass	AV	7.38522G	44.68	54.00	-9.32	3	Vertical	156	1.89
2462MHz	Pass	PK	4.92404G	43.98	74.00	-30.02	3	Vertical	338	1.50
2462MHz	Pass	PK	7.3852G	51.91	74.00	-22.09	3	Vertical	156	1.89
2462MHz	Pass	AV	4.92394G	29.17	54.00	-24.83	3	Horizontal	191	2.14
2462MHz	Pass	AV	7.3852G	40.84	54.00	-13.16	3	Horizontal	186	2.77
2462MHz	Pass	PK	4.9208G	41.55	74.00	-32.45	3	Horizontal	191	2.14
2462MHz	Pass	PK	7.38512G	50.26	74.00	-23.74	3	Horizontal	186	2.77
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.17	54.00	-2.83	3	Vertical	358	1.50
2412MHz	Pass	AV	2.413G	109.21	Inf	-Inf	3	Vertical	358	1.50
2412MHz	Pass	PK	2.39G	72.92	74.00	-1.08	3	Vertical	358	1.50
2412MHz	Pass	PK	2.4132G	118.88	Inf	-Inf	3	Vertical	358	1.50
2412MHz	Pass	AV	2.3896G	48.04	54.00	-5.96	3	Horizontal	193	2.34
2412MHz	Pass	AV	2.413G	100.76	Inf	-Inf	3	Horizontal	193	2.34
2412MHz	Pass	PK	2.3898G	63.63	74.00	-10.37	3	Horizontal	193	2.34
2412MHz	Pass	PK	2.413G	110.46	Inf	-Inf	3	Horizontal	193	2.34
2412MHz	Pass	AV	4.82398G	28.60	54.00	-25.40	3	Vertical	161	1.12
2412MHz	Pass	PK	4.8225G	42.34	74.00	-31.66	3	Vertical	161	1.12
2412MHz	Pass	AV	4.82238G	26.99	54.00	-27.01	3	Horizontal	0	1.00



RSE TX above 1GHz Non-Beamforming Radio 1

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	4.82166G	41.89	74.00	-32.11	3	Horizontal	0	1.00
2417MHz	Pass	AV	2.3892G	50.55	54.00	-3.45	3	Vertical	27	1.27
2417MHz	Pass	AV	2.4176G	110.15	Inf	-Inf	3	Vertical	27	1.27
2417MHz	Pass	PK	2.3884G	71.67	74.00	-2.33	3	Vertical	27	1.27
2417MHz	Pass	PK	2.4178G	119.67	Inf	-Inf	3	Vertical	27	1.27
2417MHz	Pass	AV	2.3896G	48.17	54.00	-5.83	3	Horizontal	193	2.34
2417MHz	Pass	AV	2.418G	101.16	Inf	-Inf	3	Horizontal	193	2.34
2417MHz	Pass	PK	2.39G	64.92	74.00	-9.08	3	Horizontal	193	2.34
2417MHz	Pass	PK	2.4186G	111.30	Inf	-Inf	3	Horizontal	193	2.34
2437MHz	Pass	AV	2.3898G	48.06	54.00	-5.94	3	Vertical	38	1.10
2437MHz	Pass	AV	2.4362G	110.88	Inf	-Inf	3	Vertical	38	1.10
2437MHz	Pass	AV	2.4835G	48.77	54.00	-5.23	3	Vertical	38	1.10
2437MHz	Pass	PK	2.3534G	62.14	74.00	-11.86	3	Vertical	38	1.10
2437MHz	Pass	PK	2.4362G	120.17	Inf	-Inf	3	Vertical	38	1.10
2437MHz	Pass	PK	2.4862G	63.00	74.00	-11.00	3	Vertical	38	1.10
2437MHz	Pass	AV	2.3898G	47.75	54.00	-6.25	3	Horizontal	191	1.71
2437MHz	Pass	AV	2.4362G	102.23	Inf	-Inf	3	Horizontal	191	1.71
2437MHz	Pass	AV	2.487G	48.46	54.00	-5.54	3	Horizontal	191	1.71
2437MHz	Pass	PK	2.377G	61.84	74.00	-12.16	3	Horizontal	191	1.71
2437MHz	Pass	PK	2.4358G	111.68	Inf	-Inf	3	Horizontal	191	1.71
2437MHz	Pass	PK	2.4862G	62.46	74.00	-11.54	3	Horizontal	191	1.71
2437MHz	Pass	AV	4.87056G	29.21	54.00	-24.79	3	Vertical	35	2.15
2437MHz	Pass	AV	7.30852G	39.02	54.00	-14.98	3	Vertical	151	1.00
2437MHz	Pass	PK	4.87536G	42.73	74.00	-31.27	3	Vertical	35	2.15
2437MHz	Pass	PK	7.30822G	56.27	74.00	-17.73	3	Vertical	151	1.00
2437MHz	Pass	AV	4.87048G	27.44	54.00	-26.56	3	Horizontal	183	1.50
2437MHz	Pass	AV	7.3083G	37.61	54.00	-16.39	3	Horizontal	181	1.00
2437MHz	Pass	PK	4.86974G	40.93	74.00	-33.07	3	Horizontal	183	1.50
2437MHz	Pass	PK	7.3126G	55.17	74.00	-18.83	3	Horizontal	181	1.00
2457MHz	Pass	AV	2.458G	109.15	Inf	-Inf	3	Vertical	30	1.18
2457MHz	Pass	AV	2.4835G	50.28	54.00	-3.72	3	Vertical	30	1.18
2457MHz	Pass	PK	2.458G	118.89	Inf	-Inf	3	Vertical	30	1.18
2457MHz	Pass	PK	2.4835G	69.99	74.00	-4.01	3	Vertical	30	1.18
2457MHz	Pass	AV	2.4578G	101.87	Inf	-Inf	3	Horizontal	194	1.26
2457MHz	Pass	AV	2.4835G	47.06	54.00	-6.94	3	Horizontal	194	1.26
2457MHz	Pass	PK	2.458G	111.65	Inf	-Inf	3	Horizontal	194	1.26
2457MHz	Pass	PK	2.4835G	63.14	74.00	-10.86	3	Horizontal	194	1.26
2462MHz	Pass	AV	2.4614G	108.44	Inf	-Inf	3	Vertical	39	1.18
2462MHz	Pass	AV	2.4835G	51.16	54.00	-2.84	3	Vertical	39	1.18
2462MHz	Pass	PK	2.461G	118.73	Inf	-Inf	3	Vertical	39	1.18
2462MHz	Pass	PK	2.4835G	71.02	74.00	-2.98	3	Vertical	39	1.18
2462MHz	Pass	AV	2.461G	101.25	Inf	-Inf	3	Horizontal	191	1.94
2462MHz	Pass	AV	2.4848G	49.45	54.00	-4.55	3	Horizontal	191	1.94
2462MHz	Pass	PK	2.4612G	111.27	Inf	-Inf	3	Horizontal	191	1.94
2462MHz	Pass	PK	2.4852G	70.35	74.00	-3.65	3	Horizontal	191	1.94
2462MHz	Pass	AV	4.92162G	29.21	54.00	-24.79	3	Vertical	40	1.01
2462MHz	Pass	AV	7.38548G	37.69	54.00	-16.31	3	Vertical	153	1.50
2462MHz	Pass	PK	4.92138G	43.26	74.00	-30.74	3	Vertical	40	1.01
2462MHz	Pass	PK	7.38546G	54.74	74.00	-19.26	3	Vertical	153	1.50
2462MHz	Pass	AV	4.92418G	27.65	54.00	-26.35	3	Horizontal	323	1.50
2462MHz	Pass	AV	7.38522G	34.77	54.00	-19.23	3	Horizontal	174	1.00
2462MHz	Pass	PK	4.9221G	41.63	74.00	-32.37	3	Horizontal	323	1.50
2462MHz	Pass	PK	7.38964G	50.28	74.00	-23.72	3	Horizontal	174	1.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.76	54.00	-5.24	3	Vertical	352	1.31
2412MHz	Pass	AV	2.4126G	106.61	Inf	-Inf	3	Vertical	352	1.31
2412MHz	Pass	PK	2.39G	71.95	74.00	-2.05	3	Vertical	352	1.31
2412MHz	Pass	PK	2.414G	119.74	Inf	-Inf	3	Vertical	352	1.31
2412MHz	Pass	AV	2.3642G	47.76	54.00	-6.24	3	Horizontal	110	1.32
2412MHz	Pass	AV	2.4112G	97.36	Inf	-Inf	3	Horizontal	110	1.32
2412MHz	Pass	PK	2.3756G	62.17	74.00	-11.83	3	Horizontal	110	1.32
2412MHz	Pass	PK	2.4112G	110.57	Inf	-Inf	3	Horizontal	110	1.32

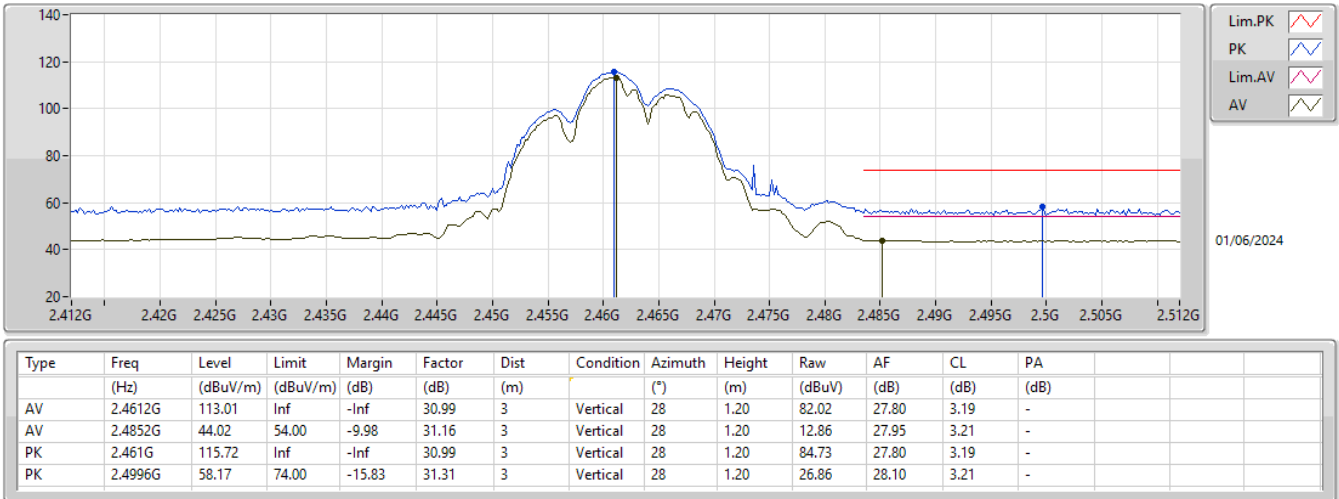
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	AV	4.82238G	27.40	54.00	-26.60	3	Vertical	311	1.50
2412MHz	Pass	PK	4.82296G	42.30	74.00	-31.70	3	Vertical	311	1.50
2412MHz	Pass	AV	4.82636G	27.07	54.00	-26.93	3	Horizontal	115	1.50
2412MHz	Pass	PK	4.82772G	41.18	74.00	-32.82	3	Horizontal	115	1.50
2417MHz	Pass	AV	2.39G	50.41	54.00	-3.59	3	Vertical	25	1.26
2417MHz	Pass	AV	2.4178G	109.82	Inf	-Inf	3	Vertical	25	1.26
2417MHz	Pass	PK	2.3894G	72.61	74.00	-1.39	3	Vertical	25	1.26
2417MHz	Pass	PK	2.418G	122.63	Inf	-Inf	3	Vertical	25	1.26
2417MHz	Pass	AV	2.39G	48.36	54.00	-5.64	3	Horizontal	111	1.50
2417MHz	Pass	AV	2.4162G	99.98	Inf	-Inf	3	Horizontal	111	1.50
2417MHz	Pass	PK	2.3898G	65.78	74.00	-8.22	3	Horizontal	111	1.50
2417MHz	Pass	PK	2.4164G	113.46	Inf	-Inf	3	Horizontal	111	1.50
2437MHz	Pass	AV	2.3898G	48.27	54.00	-5.73	3	Vertical	25	1.10
2437MHz	Pass	AV	2.4378G	109.51	Inf	-Inf	3	Vertical	25	1.10
2437MHz	Pass	AV	2.4835G	49.14	54.00	-4.86	3	Vertical	25	1.10
2437MHz	Pass	PK	2.3894G	64.00	74.00	-10.00	3	Vertical	25	1.10
2437MHz	Pass	PK	2.4382G	122.37	Inf	-Inf	3	Vertical	25	1.10
2437MHz	Pass	PK	2.4835G	66.70	74.00	-7.30	3	Vertical	25	1.10
2437MHz	Pass	AV	2.389G	47.72	54.00	-6.28	3	Horizontal	109	1.00
2437MHz	Pass	AV	2.4362G	101.19	Inf	-Inf	3	Horizontal	109	1.00
2437MHz	Pass	AV	2.4962G	48.54	54.00	-5.46	3	Horizontal	109	1.00
2437MHz	Pass	PK	2.3682G	62.18	74.00	-11.82	3	Horizontal	109	1.00
2437MHz	Pass	PK	2.4362G	114.01	Inf	-Inf	3	Horizontal	109	1.00
2437MHz	Pass	PK	2.4994G	61.79	74.00	-12.21	3	Horizontal	109	1.00
2437MHz	Pass	AV	4.87464G	28.78	54.00	-25.22	3	Vertical	30	1.50
2437MHz	Pass	AV	7.3121G	38.68	54.00	-15.32	3	Vertical	154	1.93
2437MHz	Pass	PK	4.87456G	43.41	74.00	-30.59	3	Vertical	30	1.50
2437MHz	Pass	PK	7.31108G	58.75	74.00	-15.25	3	Vertical	154	1.93
2437MHz	Pass	AV	4.8712G	27.09	54.00	-26.91	3	Horizontal	308	1.50
2437MHz	Pass	AV	7.30952G	37.68	54.00	-16.32	3	Horizontal	180	1.00
2437MHz	Pass	PK	4.86936G	40.39	74.00	-33.61	3	Horizontal	308	1.50
2437MHz	Pass	PK	7.31328G	54.69	74.00	-19.31	3	Horizontal	180	1.00
2457MHz	Pass	AV	2.3898G	48.23	54.00	-5.77	3	Vertical	5	1.11
2457MHz	Pass	AV	2.4562G	109.65	Inf	-Inf	3	Vertical	5	1.11
2457MHz	Pass	AV	2.4835G	51.39	54.00	-2.61	3	Vertical	5	1.11
2457MHz	Pass	PK	2.3834G	61.67	74.00	-12.33	3	Vertical	5	1.11
2457MHz	Pass	PK	2.4562G	122.67	Inf	-Inf	3	Vertical	5	1.11
2457MHz	Pass	PK	2.4862G	73.28	74.00	-0.72	3	Vertical	5	1.11
2457MHz	Pass	AV	2.3606G	47.70	54.00	-6.30	3	Horizontal	255	1.30
2457MHz	Pass	AV	2.4562G	99.65	Inf	-Inf	3	Horizontal	255	1.30
2457MHz	Pass	AV	2.4835G	48.92	54.00	-5.08	3	Horizontal	255	1.30
2457MHz	Pass	PK	2.385G	62.19	74.00	-11.81	3	Horizontal	255	1.30
2457MHz	Pass	PK	2.4562G	113.67	Inf	-Inf	3	Horizontal	255	1.30
2457MHz	Pass	PK	2.4858G	67.88	74.00	-6.12	3	Horizontal	255	1.30
2462MHz	Pass	AV	2.4628G	106.19	Inf	-Inf	3	Vertical	23	1.31
2462MHz	Pass	AV	2.4835G	50.57	54.00	-3.43	3	Vertical	23	1.31
2462MHz	Pass	PK	2.4614G	119.81	Inf	-Inf	3	Vertical	23	1.31
2462MHz	Pass	PK	2.485G	73.76	74.00	-0.24	3	Vertical	23	1.31
2462MHz	Pass	AV	2.4612G	97.80	Inf	-Inf	3	Horizontal	111	1.50
2462MHz	Pass	AV	2.4835G	48.88	54.00	-5.12	3	Horizontal	111	1.50
2462MHz	Pass	PK	2.4614G	110.85	Inf	-Inf	3	Horizontal	111	1.50
2462MHz	Pass	PK	2.4836G	67.46	74.00	-6.54	3	Horizontal	111	1.50
2462MHz	Pass	AV	4.9232G	27.96	54.00	-26.04	3	Vertical	338	1.56
2462MHz	Pass	AV	7.38618G	37.04	54.00	-16.96	3	Vertical	158	2.29
2462MHz	Pass	PK	4.92386G	41.98	74.00	-32.02	3	Vertical	338	1.56
2462MHz	Pass	PK	7.38778G	52.74	74.00	-21.26	3	Vertical	158	2.29
2462MHz	Pass	AV	4.92748G	27.34	54.00	-26.66	3	Horizontal	145	1.50
2462MHz	Pass	AV	7.3827G	33.98	54.00	-20.02	3	Horizontal	175	1.02
2462MHz	Pass	PK	4.92356G	41.04	74.00	-32.96	3	Horizontal	145	1.50
2462MHz	Pass	PK	7.38436G	48.30	74.00	-25.70	3	Horizontal	175	1.02
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	49.66	54.00	-4.34	3	Vertical	4	1.11

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz	Pass	AV	2.4208G	104.70	Inf	-Inf	3	Vertical	4	1.11
2422MHz	Pass	AV	2.4852G	48.52	54.00	-5.48	3	Vertical	4	1.11
2422MHz	Pass	PK	2.39G	73.55	74.00	-0.45	3	Vertical	4	1.11
2422MHz	Pass	PK	2.4212G	118.06	Inf	-Inf	3	Vertical	4	1.11
2422MHz	Pass	PK	2.484G	63.67	74.00	-10.33	3	Vertical	4	1.11
2422MHz	Pass	AV	2.3892G	47.84	54.00	-6.16	3	Horizontal	186	1.78
2422MHz	Pass	AV	2.4212G	94.05	Inf	-Inf	3	Horizontal	186	1.78
2422MHz	Pass	AV	2.4952G	48.54	54.00	-5.46	3	Horizontal	186	1.78
2422MHz	Pass	PK	2.3896G	64.32	74.00	-9.68	3	Horizontal	186	1.78
2422MHz	Pass	PK	2.4204G	107.32	Inf	-Inf	3	Horizontal	186	1.78
2422MHz	Pass	PK	2.5G	62.65	74.00	-11.35	3	Horizontal	186	1.78
2422MHz	Pass	AV	4.84956G	27.24	54.00	-26.76	3	Vertical	180	1.90
2422MHz	Pass	AV	7.27556G	33.22	54.00	-20.78	3	Vertical	152	1.10
2422MHz	Pass	PK	4.84772G	41.11	74.00	-32.89	3	Vertical	180	1.90
2422MHz	Pass	PK	7.27312G	46.80	74.00	-27.20	3	Vertical	152	1.10
2422MHz	Pass	AV	4.854G	26.91	54.00	-27.09	3	Horizontal	100	1.50
2422MHz	Pass	AV	7.27536G	33.19	54.00	-20.81	3	Horizontal	181	1.04
2422MHz	Pass	PK	4.83468G	41.24	74.00	-32.76	3	Horizontal	100	1.50
2422MHz	Pass	PK	7.26904G	46.79	74.00	-27.21	3	Horizontal	181	1.04
2427MHz	Pass	AV	2.3898G	50.43	54.00	-3.57	3	Vertical	26	1.09
2427MHz	Pass	AV	2.4278G	104.12	Inf	-Inf	3	Vertical	26	1.09
2427MHz	Pass	AV	2.4838G	48.63	54.00	-5.37	3	Vertical	26	1.09
2427MHz	Pass	PK	2.3882G	73.20	74.00	-0.80	3	Vertical	26	1.09
2427MHz	Pass	PK	2.4282G	117.52	Inf	-Inf	3	Vertical	26	1.09
2427MHz	Pass	PK	2.4842G	65.06	74.00	-8.94	3	Vertical	26	1.09
2427MHz	Pass	AV	2.3898G	47.80	54.00	-6.20	3	Horizontal	110	1.55
2427MHz	Pass	AV	2.4258G	95.23	Inf	-Inf	3	Horizontal	110	1.55
2427MHz	Pass	AV	2.499G	48.58	54.00	-5.42	3	Horizontal	110	1.55
2427MHz	Pass	PK	2.3802G	62.77	74.00	-11.23	3	Horizontal	110	1.55
2427MHz	Pass	PK	2.4258G	108.22	Inf	-Inf	3	Horizontal	110	1.55
2427MHz	Pass	PK	2.4994G	62.77	74.00	-11.23	3	Horizontal	110	1.55
2437MHz	Pass	AV	2.3898G	49.71	54.00	-4.29	3	Vertical	5	1.00
2437MHz	Pass	AV	2.4362G	107.96	Inf	-Inf	3	Vertical	5	1.00
2437MHz	Pass	AV	2.4835G	50.73	54.00	-3.27	3	Vertical	5	1.00
2437MHz	Pass	PK	2.3898G	70.77	74.00	-3.23	3	Vertical	5	1.00
2437MHz	Pass	PK	2.4362G	121.31	Inf	-Inf	3	Vertical	5	1.00
2437MHz	Pass	PK	2.4858G	72.11	74.00	-1.89	3	Vertical	5	1.00
2437MHz	Pass	AV	2.389G	47.78	54.00	-6.22	3	Horizontal	192	1.68
2437MHz	Pass	AV	2.4354G	97.32	Inf	-Inf	3	Horizontal	192	1.68
2437MHz	Pass	AV	2.4835G	48.85	54.00	-5.15	3	Horizontal	192	1.68
2437MHz	Pass	PK	2.3422G	61.90	74.00	-12.10	3	Horizontal	192	1.68
2437MHz	Pass	PK	2.4362G	110.70	Inf	-Inf	3	Horizontal	192	1.68
2437MHz	Pass	PK	2.4858G	66.81	74.00	-7.19	3	Horizontal	192	1.68
2437MHz	Pass	AV	4.8658G	27.31	54.00	-26.69	3	Vertical	47	2.12
2437MHz	Pass	AV	7.31112G	35.52	54.00	-18.48	3	Vertical	134	1.00
2437MHz	Pass	PK	4.87392G	41.28	74.00	-32.72	3	Vertical	47	2.12
2437MHz	Pass	PK	7.30868G	52.69	74.00	-21.31	3	Vertical	134	1.00
2437MHz	Pass	AV	4.868G	27.07	54.00	-26.93	3	Horizontal	200	1.50
2437MHz	Pass	AV	7.31032G	34.49	54.00	-19.51	3	Horizontal	181	1.00
2437MHz	Pass	PK	4.87604G	41.22	74.00	-32.78	3	Horizontal	200	1.50
2437MHz	Pass	PK	7.30636G	48.92	74.00	-25.08	3	Horizontal	181	1.00
2447MHz	Pass	AV	2.3894G	47.86	54.00	-6.14	3	Vertical	354	1.08
2447MHz	Pass	AV	2.4482G	103.34	Inf	-Inf	3	Vertical	354	1.08
2447MHz	Pass	AV	2.4842G	49.96	54.00	-4.04	3	Vertical	354	1.08
2447MHz	Pass	PK	2.3898G	62.51	74.00	-11.49	3	Vertical	354	1.08
2447MHz	Pass	PK	2.449G	117.03	Inf	-Inf	3	Vertical	354	1.08
2447MHz	Pass	PK	2.4835G	72.13	74.00	-1.87	3	Vertical	354	1.08
2447MHz	Pass	AV	2.3702G	47.71	54.00	-6.29	3	Horizontal	110	1.24
2447MHz	Pass	AV	2.4458G	95.25	Inf	-Inf	3	Horizontal	110	1.24
2447MHz	Pass	AV	2.4854G	48.73	54.00	-5.27	3	Horizontal	110	1.24
2447MHz	Pass	PK	2.3846G	62.21	74.00	-11.79	3	Horizontal	110	1.24
2447MHz	Pass	PK	2.4446G	108.26	Inf	-Inf	3	Horizontal	110	1.24

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2447MHz	Pass	PK	2.4862G	65.91	74.00	-8.09	3	Horizontal	110	1.24
2452MHz	Pass	AV	2.39G	47.88	54.00	-6.12	3	Vertical	26	1.38
2452MHz	Pass	AV	2.4532G	101.49	Inf	-Inf	3	Vertical	26	1.38
2452MHz	Pass	AV	2.4835G	49.23	54.00	-4.77	3	Vertical	26	1.38
2452MHz	Pass	PK	2.3748G	61.40	74.00	-12.60	3	Vertical	26	1.38
2452MHz	Pass	PK	2.4532G	114.95	Inf	-Inf	3	Vertical	26	1.38
2452MHz	Pass	PK	2.4835G	73.08	74.00	-0.92	3	Vertical	26	1.38
2452MHz	Pass	AV	2.382G	47.76	54.00	-6.24	3	Horizontal	111	1.00
2452MHz	Pass	AV	2.4512G	93.87	Inf	-Inf	3	Horizontal	111	1.00
2452MHz	Pass	AV	2.4844G	48.56	54.00	-5.44	3	Horizontal	111	1.00
2452MHz	Pass	PK	2.3636G	61.93	74.00	-12.07	3	Horizontal	111	1.00
2452MHz	Pass	PK	2.4508G	106.86	Inf	-Inf	3	Horizontal	111	1.00
2452MHz	Pass	PK	2.4868G	65.58	74.00	-8.42	3	Horizontal	111	1.00
2452MHz	Pass	AV	4.89732G	27.29	54.00	-26.71	3	Vertical	76	2.22
2452MHz	Pass	AV	7.34728G	33.25	54.00	-20.75	3	Vertical	131	1.16
2452MHz	Pass	PK	4.9104G	40.73	74.00	-33.27	3	Vertical	76	2.22
2452MHz	Pass	PK	7.34656G	47.37	74.00	-26.63	3	Vertical	131	1.16
2452MHz	Pass	AV	4.89776G	27.23	54.00	-26.77	3	Horizontal	159	1.50
2452MHz	Pass	AV	7.34624G	32.56	54.00	-21.44	3	Horizontal	271	1.50
2452MHz	Pass	PK	4.89836G	40.67	74.00	-33.33	3	Horizontal	159	1.50
2452MHz	Pass	PK	7.3576G	45.94	74.00	-28.06	3	Horizontal	271	1.50

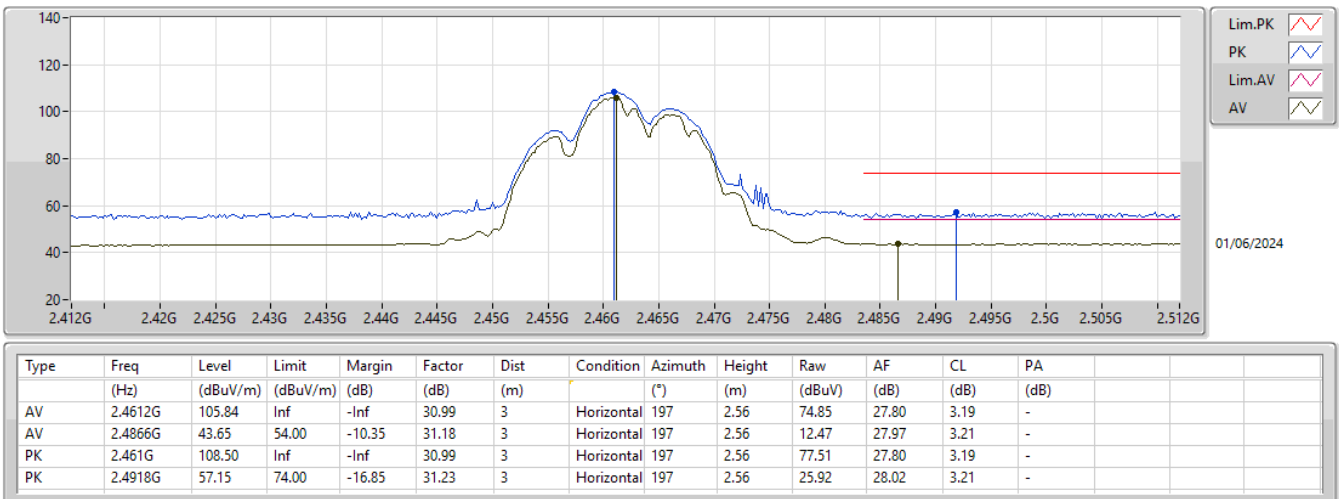
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



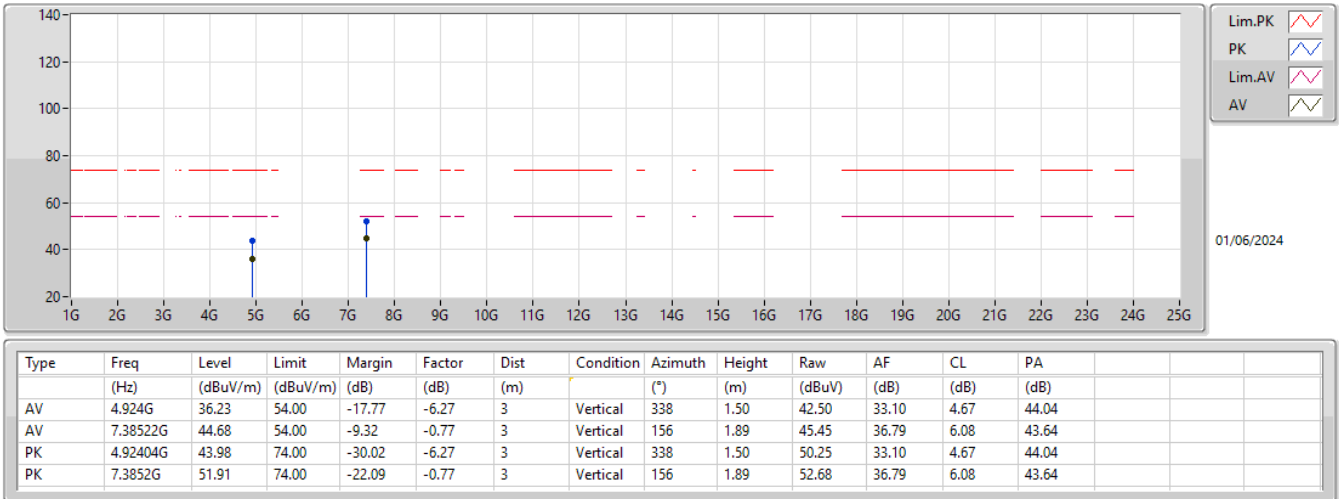
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2462MHz_TX



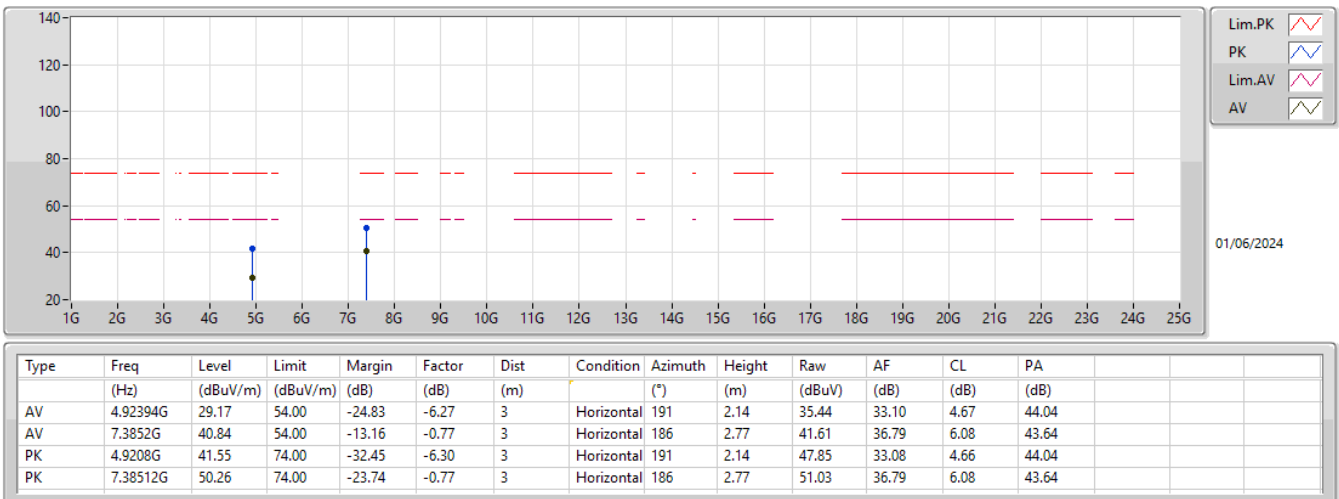
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2462MHz_TX



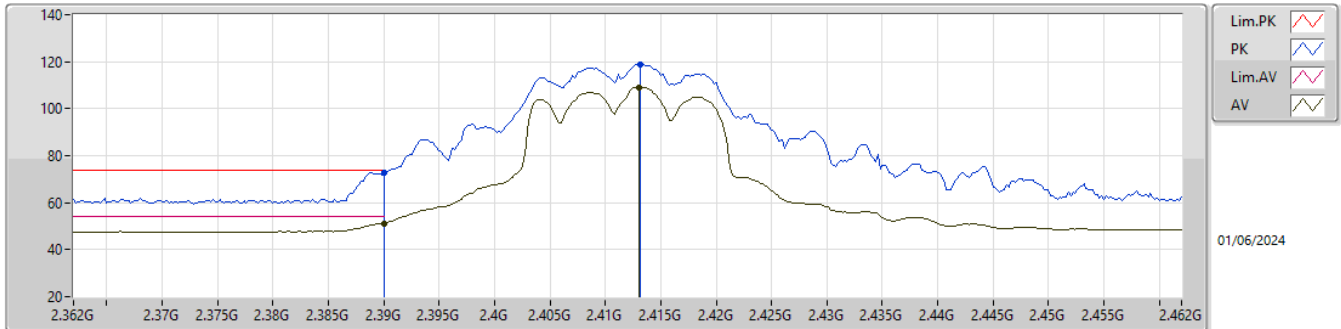
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



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

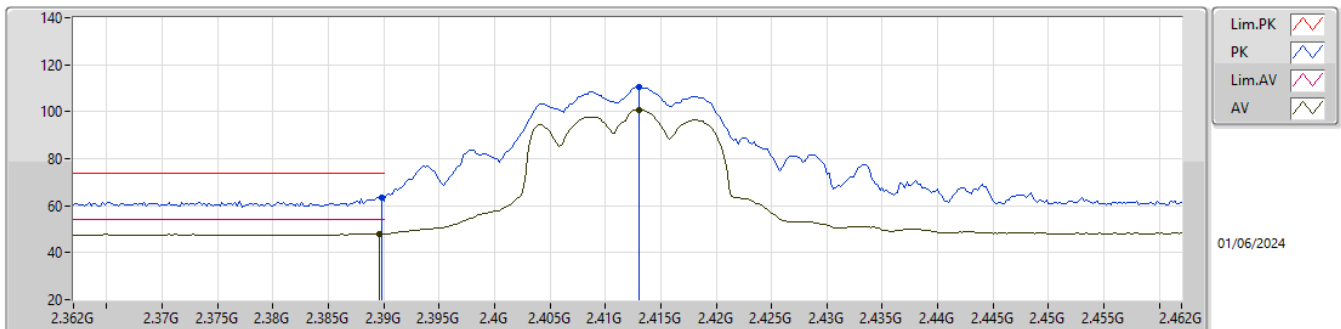
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.17	54.00	-2.83	30.65	3	Vertical	358	1.50	20.52	27.50	3.15	-
AV	2.413G	109.21	Inf	-Inf	30.70	3	Vertical	358	1.50	78.51	27.53	3.17	-
PK	2.39G	72.92	74.00	-1.08	30.65	3	Vertical	358	1.50	42.27	27.50	3.15	-
PK	2.4132G	118.88	Inf	-Inf	30.70	3	Vertical	358	1.50	88.18	27.53	3.17	-

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

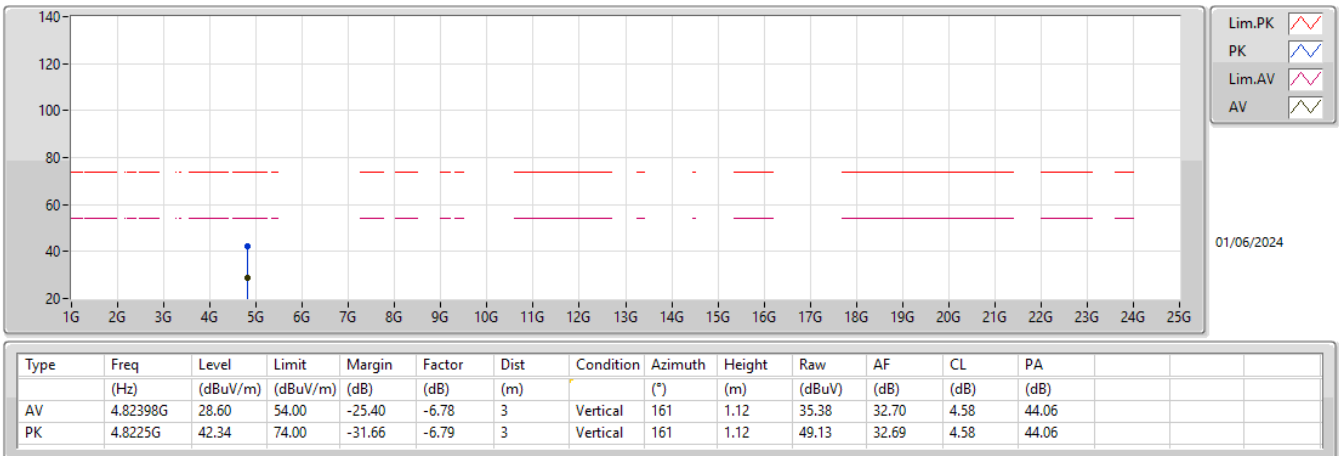
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	48.04	54.00	-5.96	30.65	3	Horizontal	193	2.34	17.39	27.50	3.15	-
AV	2.413G	100.76	Inf	-Inf	30.70	3	Horizontal	193	2.34	70.06	27.53	3.17	-
PK	2.3898G	63.63	74.00	-10.37	30.65	3	Horizontal	193	2.34	32.98	27.50	3.15	-
PK	2.413G	110.46	Inf	-Inf	30.70	3	Horizontal	193	2.34	79.76	27.53	3.17	-

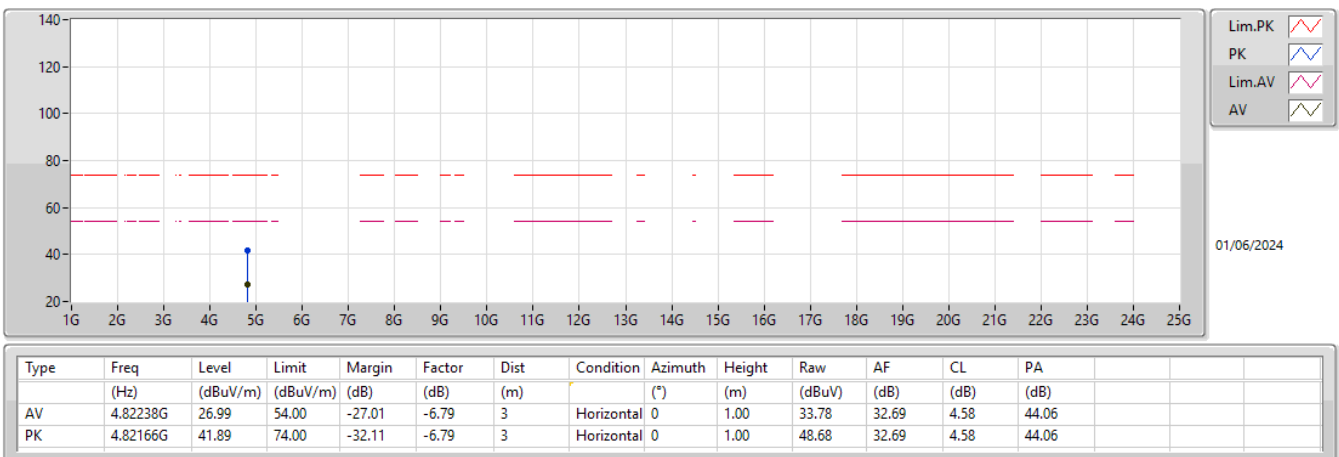
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



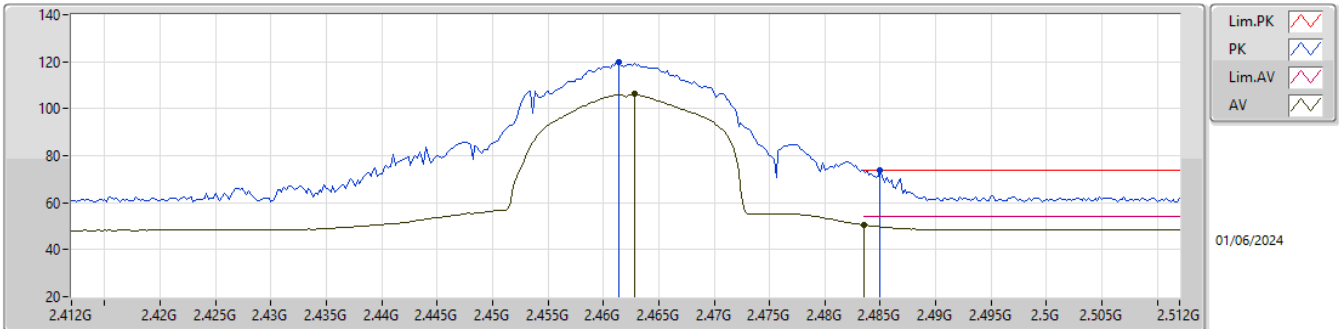
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



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

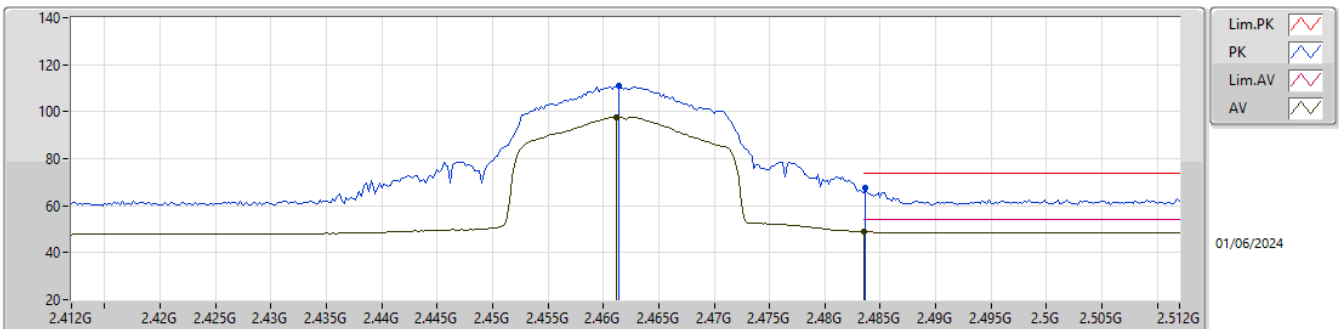
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	106.19	Inf	-Inf	30.99	3	Vertical	23	1.31	75.20	27.80	3.19	-
AV	2.4835G	50.57	54.00	-3.43	31.14	3	Vertical	23	1.31	19.43	27.93	3.21	-
PK	2.4614G	119.81	Inf	-Inf	30.99	3	Vertical	23	1.31	88.82	27.80	3.19	-
PK	2.485G	73.76	74.00	-0.24	31.16	3	Vertical	23	1.31	42.60	27.95	3.21	-

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

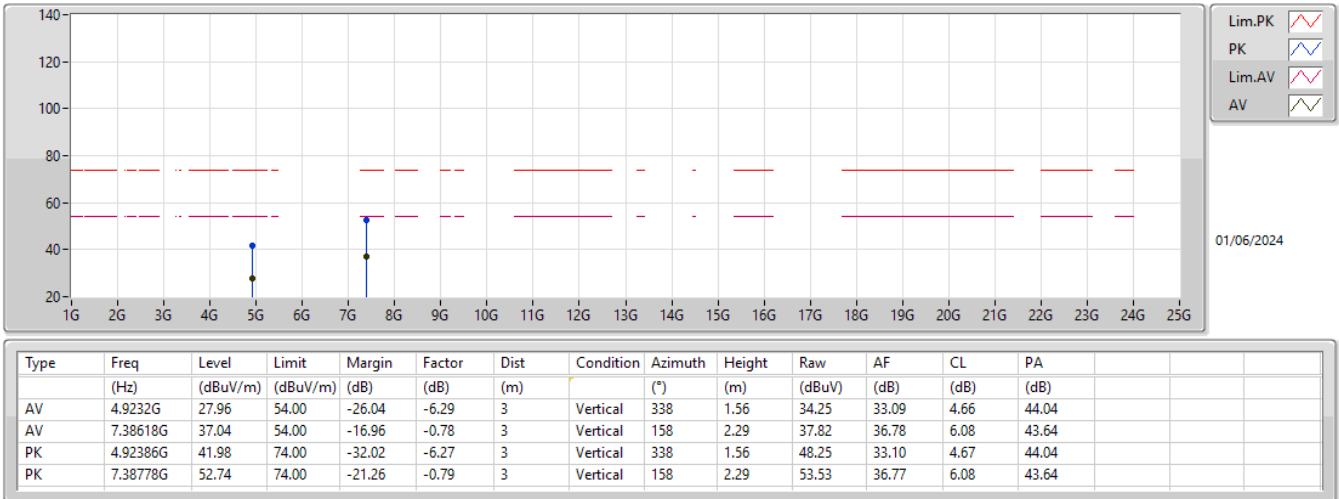
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	97.80	Inf	-Inf	30.99	3	Horizontal	111	1.50	66.81	27.80	3.19	-
AV	2.4835G	48.88	54.00	-5.12	31.14	3	Horizontal	111	1.50	17.74	27.93	3.21	-
PK	2.4614G	110.85	Inf	-Inf	30.99	3	Horizontal	111	1.50	79.86	27.80	3.19	-
PK	2.4836G	67.46	74.00	-6.54	31.15	3	Horizontal	111	1.50	36.31	27.94	3.21	-

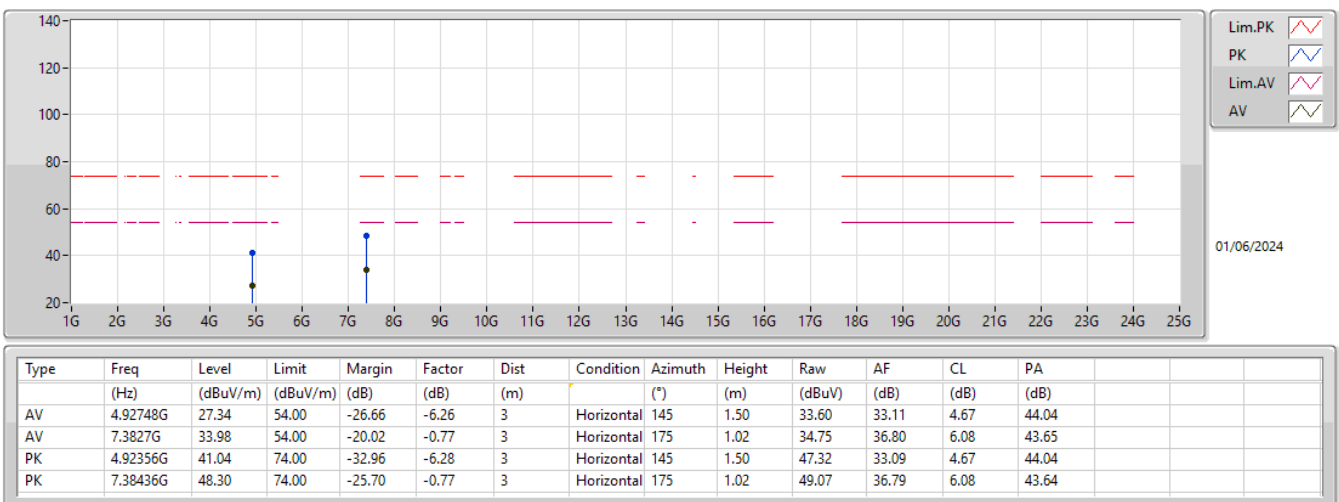
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2462MHz_TX



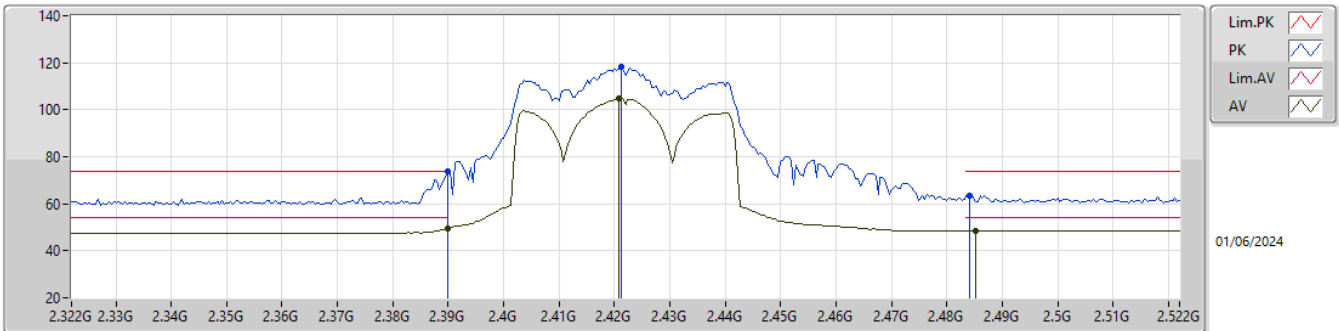
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2462MHz_TX



2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

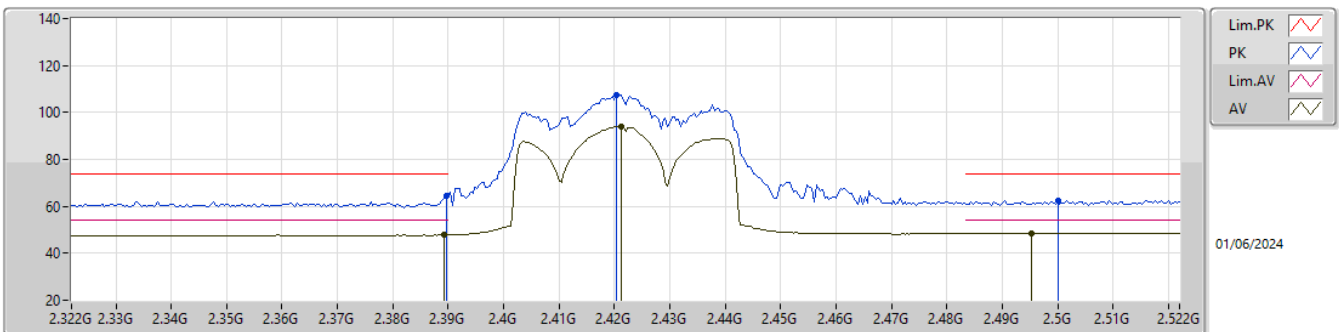
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.66	54.00	-4.34	30.65	3	Vertical	4	1.11	19.01	27.50	3.15	-
AV	2.4208G	104.70	Inf	-Inf	30.78	3	Vertical	4	1.11	73.92	27.61	3.17	-
AV	2.4852G	48.52	54.00	-5.48	31.16	3	Vertical	4	1.11	17.36	27.95	3.21	-
PK	2.39G	73.55	74.00	-0.45	30.65	3	Vertical	4	1.11	42.90	27.50	3.15	-
PK	2.4212G	118.06	Inf	-Inf	30.78	3	Vertical	4	1.11	87.28	27.61	3.17	-
PK	2.484G	63.67	74.00	-10.33	31.15	3	Vertical	4	1.11	32.52	27.94	3.21	-

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

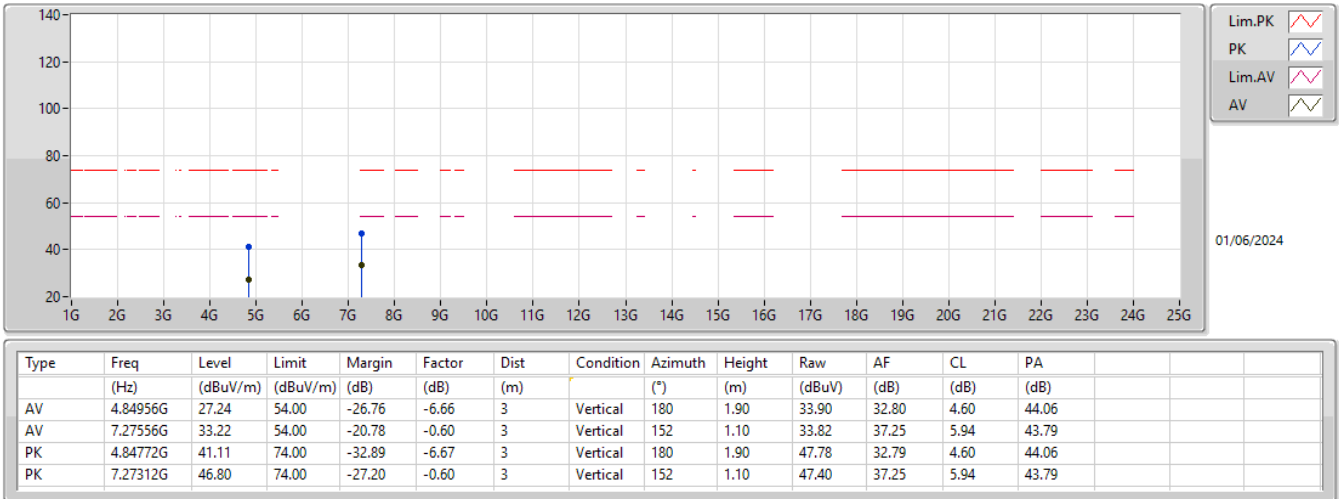
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	47.84	54.00	-6.16	30.65	3	Horizontal	186	1.78	17.19	27.50	3.15	-
AV	2.4212G	94.05	Inf	-Inf	30.78	3	Horizontal	186	1.78	63.27	27.61	3.17	-
AV	2.4952G	48.54	54.00	-5.46	31.26	3	Horizontal	186	1.78	17.28	28.05	3.21	-
PK	2.3896G	64.32	74.00	-9.68	30.65	3	Horizontal	186	1.78	33.67	27.50	3.15	-
PK	2.4204G	107.32	Inf	-Inf	30.77	3	Horizontal	186	1.78	76.55	27.60	3.17	-
PK	2.5G	62.65	74.00	-11.35	31.31	3	Horizontal	186	1.78	31.34	28.10	3.21	-

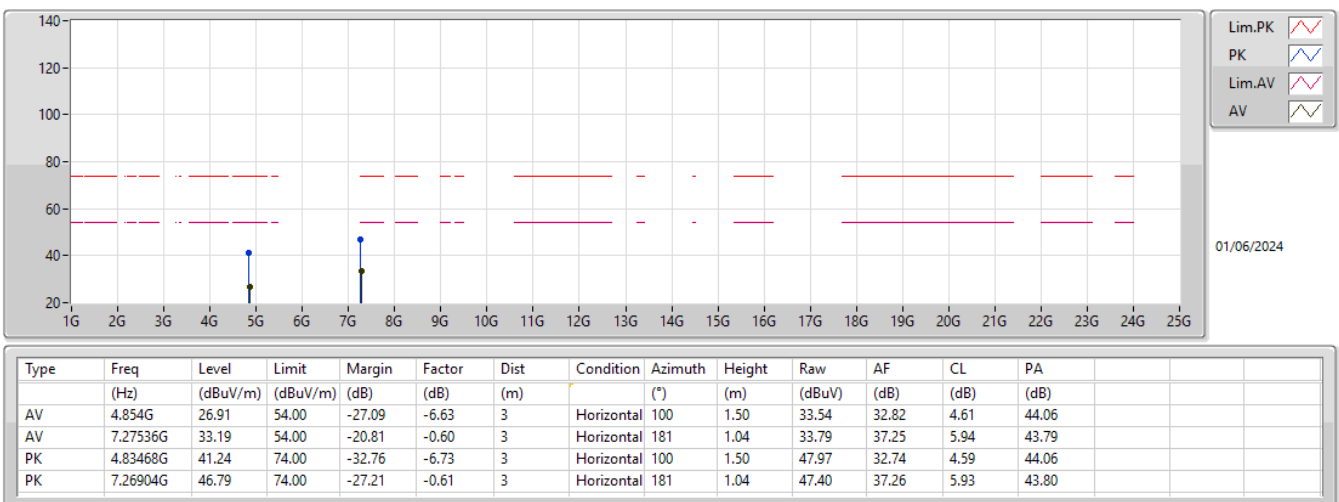
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX



2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX





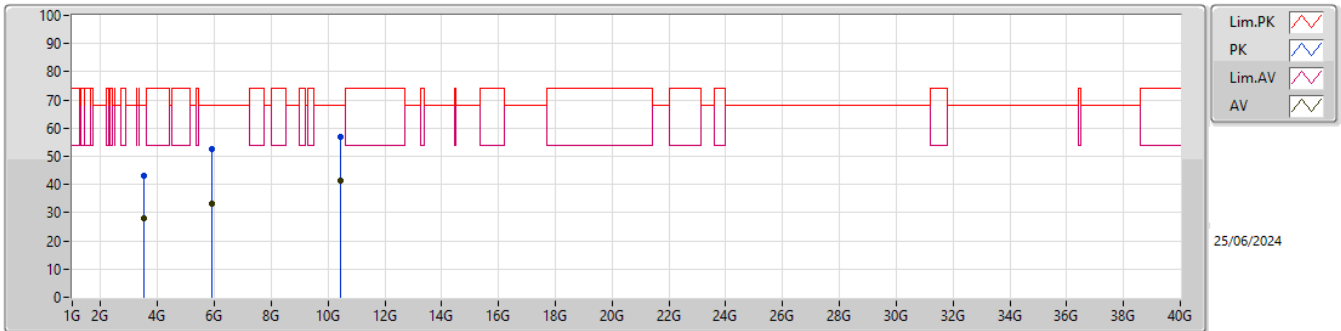
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	10.15519G	57.30	68.20	-10.90	Horizontal
Mode 2	Pass	PK	10.4542G	56.87	68.20	-11.33	Vertical

Result

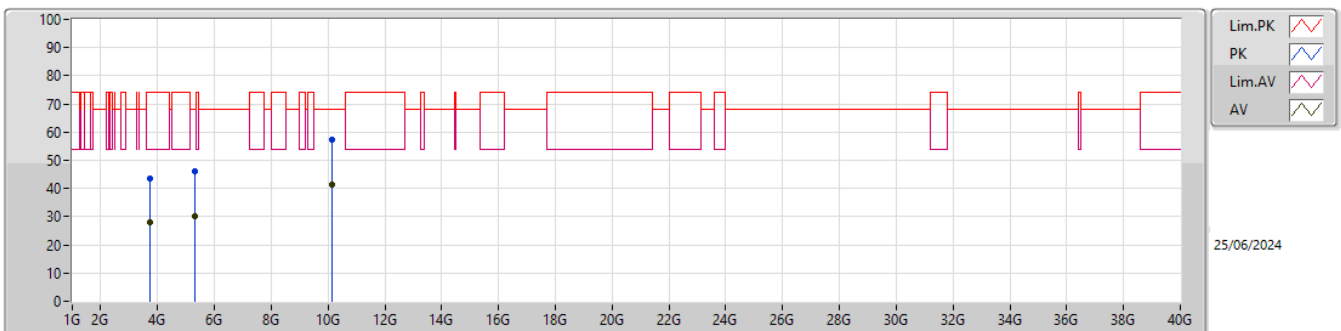
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	3.52555G	27.81	68.20	-40.39	3	Vertical	46	1.81
Mode 1	Pass	AV	5.8998G	33.02	68.20	-35.18	3	Vertical	249	1.81
Mode 1	Pass	AV	10.42568G	41.20	68.20	-27.00	3	Vertical	54	1.18
Mode 1	Pass	PK	3.52555G	43.15	68.20	-25.05	3	Vertical	46	1.81
Mode 1	Pass	PK	5.8998G	52.78	68.20	-15.42	3	Vertical	249	1.81
Mode 1	Pass	PK	10.42568G	57.04	68.20	-11.16	3	Vertical	54	1.18
Mode 1	Pass	AV	3.75029G	28.09	54.00	-25.91	3	Horizontal	58	2.12
Mode 1	Pass	AV	5.29941G	29.97	68.20	-38.23	3	Horizontal	99	2.38
Mode 1	Pass	AV	10.15519G	41.41	68.20	-26.79	3	Horizontal	129	2.11
Mode 1	Pass	PK	3.75029G	43.42	74.00	-30.58	3	Horizontal	58	2.12
Mode 1	Pass	PK	5.29941G	45.93	68.20	-22.27	3	Horizontal	99	2.38
Mode 1	Pass	PK	10.15519G	57.30	68.20	-10.90	3	Horizontal	129	2.11
Mode 2	Pass	AV	3.07287G	27.63	68.20	-40.57	3	Vertical	103	1.93
Mode 2	Pass	AV	7.79388G	37.12	68.20	-31.08	3	Vertical	222	1.36
Mode 2	Pass	AV	10.4542G	41.33	68.20	-26.87	3	Vertical	147	2.45
Mode 2	Pass	PK	3.07287G	43.50	68.20	-24.70	3	Vertical	103	1.93
Mode 2	Pass	PK	7.79388G	53.06	68.20	-15.14	3	Vertical	222	1.36
Mode 2	Pass	PK	10.4542G	56.87	68.20	-11.33	3	Vertical	147	2.45
Mode 2	Pass	AV	3.06823G	27.85	68.20	-40.35	3	Horizontal	177	2.41
Mode 2	Pass	AV	6.48987G	33.96	68.20	-34.24	3	Horizontal	227	2.31
Mode 2	Pass	AV	10.05356G	40.64	68.20	-27.56	3	Horizontal	255	1.52
Mode 2	Pass	PK	3.06823G	43.18	68.20	-25.02	3	Horizontal	177	2.41
Mode 2	Pass	PK	6.48987G	55.32	68.20	-12.88	3	Horizontal	227	2.31
Mode 2	Pass	PK	10.05356G	55.92	68.20	-12.28	3	Horizontal	255	1.52

Radiated Emissions above 1GHz_Mode 1



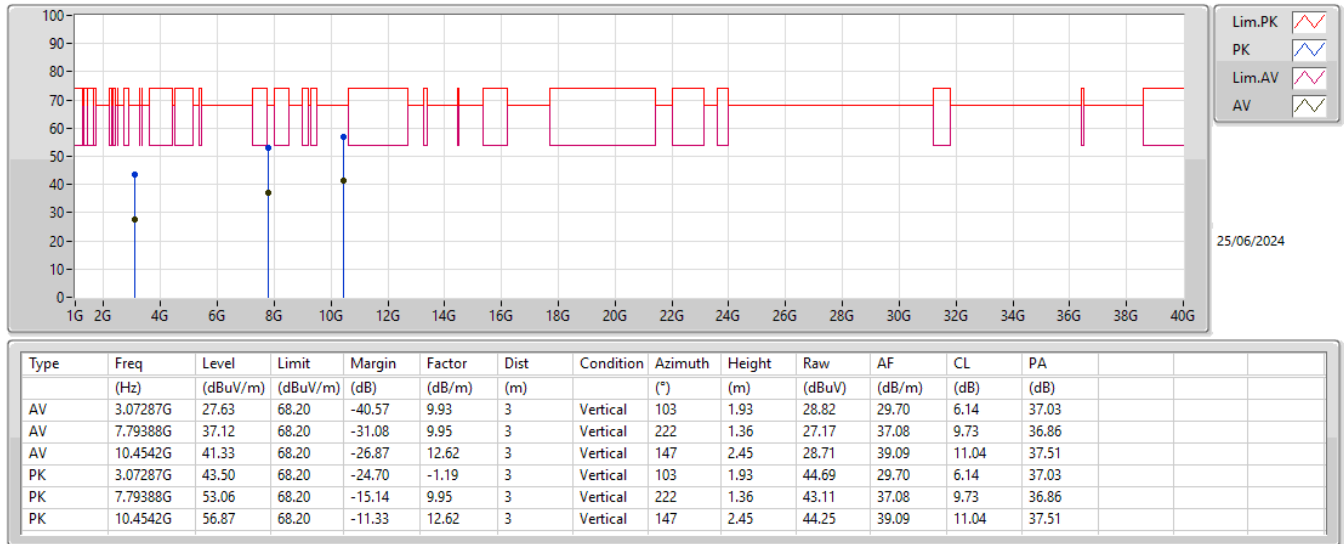
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	3.52555G	27.81	68.20	-40.39	-1.03	3	Vertical	46	1.81	28.84	29.65	6.63	37.31
AV	5.8998G	33.02	68.20	-35.18	5.85	3	Vertical	249	1.81	27.17	34.50	8.39	37.04
AV	10.42568G	41.20	68.20	-27.00	12.63	3	Vertical	54	1.18	28.57	39.10	11.05	37.52
PK	3.52555G	43.15	68.20	-25.05	-1.03	3	Vertical	46	1.81	44.18	29.65	6.63	37.31
PK	5.8998G	52.78	68.20	-15.42	5.85	3	Vertical	249	1.81	46.93	34.50	8.39	37.04
PK	10.42568G	57.04	68.20	-11.16	12.63	3	Vertical	54	1.18	44.41	39.10	11.05	37.52

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	3.75029G	28.09	54.00	-25.91	-0.42	3	Horizontal	58	2.12	28.51	30.20	6.83	37.45
AV	5.29941G	29.97	68.20	-38.23	3.73	3	Horizontal	99	2.38	26.24	33.00	8.01	37.28
AV	10.15519G	41.41	68.20	-26.79	12.54	3	Horizontal	129	2.11	28.87	39.00	11.12	37.58
PK	3.75029G	43.42	74.00	-30.58	-0.42	3	Horizontal	58	2.12	43.84	30.20	6.83	37.45
PK	5.29941G	45.93	68.20	-22.27	3.73	3	Horizontal	99	2.38	42.20	33.00	8.01	37.28
PK	10.15519G	57.30	68.20	-10.90	12.54	3	Horizontal	129	2.11	44.76	39.00	11.12	37.58

Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

