

FCC Radio Test Report

FCC ID : 2AGBW9290035826X
Equipment : Philips HUE bridge 3.0
Brand Name : PHILIPS
Model Name : 9290035826
Applicant : Signify (China) Investment Co., Ltd.
Building 9, Lane 888, Tianlin Road,
Minhang District, Shanghai 200233 China
Manufacturer : Signify (China) Investment Co., Ltd.
Building 9, Lane 888, Tianlin Road,
Minhang District, Shanghai 200233 China
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 17, 2024, and testing was started from Feb. 06, 2024 and completed on Mar. 16, 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

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR410307AC	01	Initial issue of report	Jun. 07, 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:

None

Reviewed by: Ben Tseng

Report Producer: Ann Hou

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)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX

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.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	LITEON	CO0307AM	Print	N/A	2.4G+5G+BT
2	LITEON	CO0307AM	Print	N/A	Zigbee

Ant.	Port	Gain (dBi)			
		2.4G	5G	BT	Zigbee
1	1	2.7	2.8	2.7	-
2	2	-	-	-	2.8

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

For BT function:

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

Ant. 1 (port 1) could transmit/receive.

For Zigbee function:

For IEEE 802.15.4 Zigbee mode (1TX/1RX)

Ant. 2 (port 2) could transmit/receive.

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
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

Mode	DC	DCF dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b_Nss1,(1Mbps)_1TX	0.978	0.1	8.419m	300
802.11g_Nss1,(6Mbps)_1TX	0.959	0.18	3.445m	300
802.11n HT20_Nss1,(MCS0)_1TX	0.877	0.57	3.197m	1k
802.11n HT40_Nss1,(MCS0)_1TX	0.847	0.72	2.469m	1k

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

1.1.5 Table for Multiple Listing

Table for Explanation of SKU and 2nd Source

Object/part or Description (location)	Location	SKU 1	SKU 2	SKU 3	SKU 4
DDR4	U10	Brand: SK HYNIX Model: H5AG36EXNDX017	Brand: Samsung Model: K4A8G165WC-BCTD	Brand: NANYA Model: NT5AD512M16C4-JR	Brand: Micron Model: MT40A512M16TB-062E:R
eMMC	U21	Brand: KIOXIA Model: THGBMUG6C1LBAIL	Brand: KIOXIA Model: THGBMUG6C1LBAIL	Brand: SAMSUNG Model: KLM8G1GETF-B041	Brand: KIOXIA Model: THGBMUG6C1LBAIL
LAN transformer x1	T1	Brand: U-TRON Model: HSC-1607-R	Brand: GLGNET Model: GST16002HF	Brand: GLGNET Model: GST16002HF	Brand: GLGNET Model: GST16002HF
DC-DC buck x2	U4,U6	Brand: DIOO Model: DIO6012BCST5	Brand: DIOO Model: DIO6012BCST5	Brand: SILERGY Model: SY8089A1AAC	Brand: M3TEK Model: MT8152NSBR
DC-DC buck x2	U3,U5	Brand: SILERGY Model: SY8089E1AAC	Brand: JOULWATT Model: JW5262CFSOTA#TR	Brand: M3TEK Model: MT8152ASBR	Brand: RICHTEK Model: RT5752BHGJ5
LDO x3	U1,U11,U2	Brand: FITIPOWER Model: FP6186S5	Brand: ANPEC Model: APL5324ABI-TRG	Brand: FITIPOWER Model: FP6186S5	Brand: FITIPOWER Model: FP6186AS5
Adaptor	-	Brand: Tenpao Model: S005BMM0500100	Brand: PYS Model: PYS-06VY050100	-	-

From the above SKU, The SKU 1 was selected as representative model for the test and its data was recorded in this report. All SKUs were verified and SKU 1 was found to be the worst case.

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 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	Edward Wang	21.1~21.4℃ / 50~52%	15/Mar/2024
RF Conducted	TH07-HY	Yuna Lin	22.7~23.6℃ / 52~55%	07/Feb/2024~15/Mar/2024
Radiated (Co-location)	03CH03-HY	Edward Wang	21.3~22.5℃ / 52~55%	16/Mar/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	Henry Ho	21.1~22.5℃ / 51~56%	06/Feb/2024~14/Mar/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	PuTTY Release0.62
Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	0x6e
2417MHz	0xa7
2437MHz	0xff
2457MHz	0xd4
2462MHz	0x76
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	0x62
2417MHz	0xb8
2437MHz	0xff
2457MHz	0xc5
2462MHz	0x68
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	0x63
2417MHz	0xAE
2437MHz	0xFF
2457MHz	0xba
2462MHz	0x68
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	0x62
2427MHz	0x95
2437MHz	0xb1
2447MHz	0x85
2452MHz	0x71

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
Operating Mode	CTX
1	2.4GHz WLAN + Bluetooth + ZigBee
2	5GHz WLAN + Bluetooth + ZigBee
Refer to Sporton Test Report No.: FA410307 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
AC Adapter (Source 1) (EU Plug) (US Plug) (AUS/NZ Plug) (UK Plug)	Brand Name	Tenpao	Model Name	S005BMM0500100
	Manufacturer	Ten Pao Electronics(Hulzhou) Co., Ltd		
	Power Rating	I/P: 100-240Vac, 50/60Hz, 0.3A, O/P: 5Vdc, 1.0A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
AC Adapter (Source 2) (EU Plug) (US Plug) (UK Plug) (AUS/NZ Plug)	Brand Name	PYS	Model Name	PYS-06VY050100
	Manufacturer	PYS High-Tech Co.LTD		
	Power Rating	I/P: 100-240Vac, 50/60Hz, 0.3A, O/P: 5Vdc, 1.0A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Signal Line	1.5 meter, non-shielded cable		

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

2.4 Support Equipment

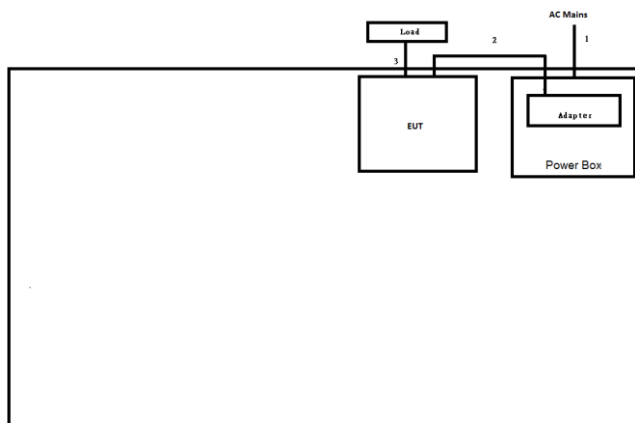
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Load	Sporton	Sporton	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Load	Sporton	Sporton	-	-
2	Hue Bridge (Remote)	Philips	9290035826	-	Provided by Customer
3	Smart Phone (Remote)	SONY	XPERIA Z	-	-
4	AP Router (Remote)	TP-LINK	Archer AX10	-	-
5	NB *3 (Remote)	DELL	Latitude 7290	-	-
6	RJ-45 Cable (Remote)	Power Sync	CAT-6E-10	-	-
7	RJ-45 Cable (Remote)	Power Sync	CAT-6E-01	-	-

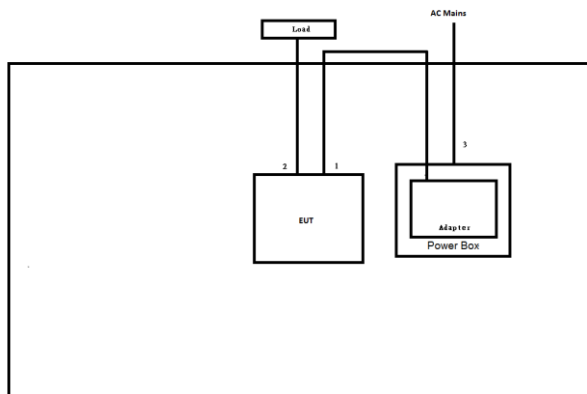
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

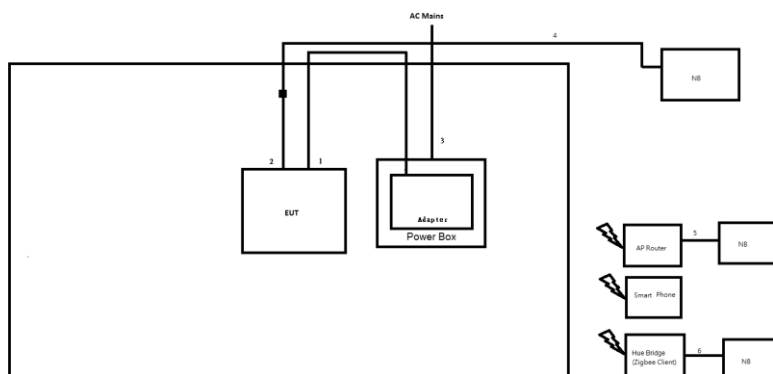


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RJ45 Cable	No	1.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power Cable	NO	1.5	-
2	RJ45 Cable	NO	1.5	-
3	AC Power Cable	NO	1.8	-

Test Setup Diagram - Radiated Test (Co-location)


Item	Connection	Shielded	Length(m)	Remark
1	DC Power Cable	NO	1.5	-
2	RJ45 Cable	NO	1.5	-
3	AC Power Cable	NO	1.8	-
4	RJ45 Cable	NO	10.0	-
5	RJ45 Cable	NO	1.0	-
6	RJ45 Cable	NO	1.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

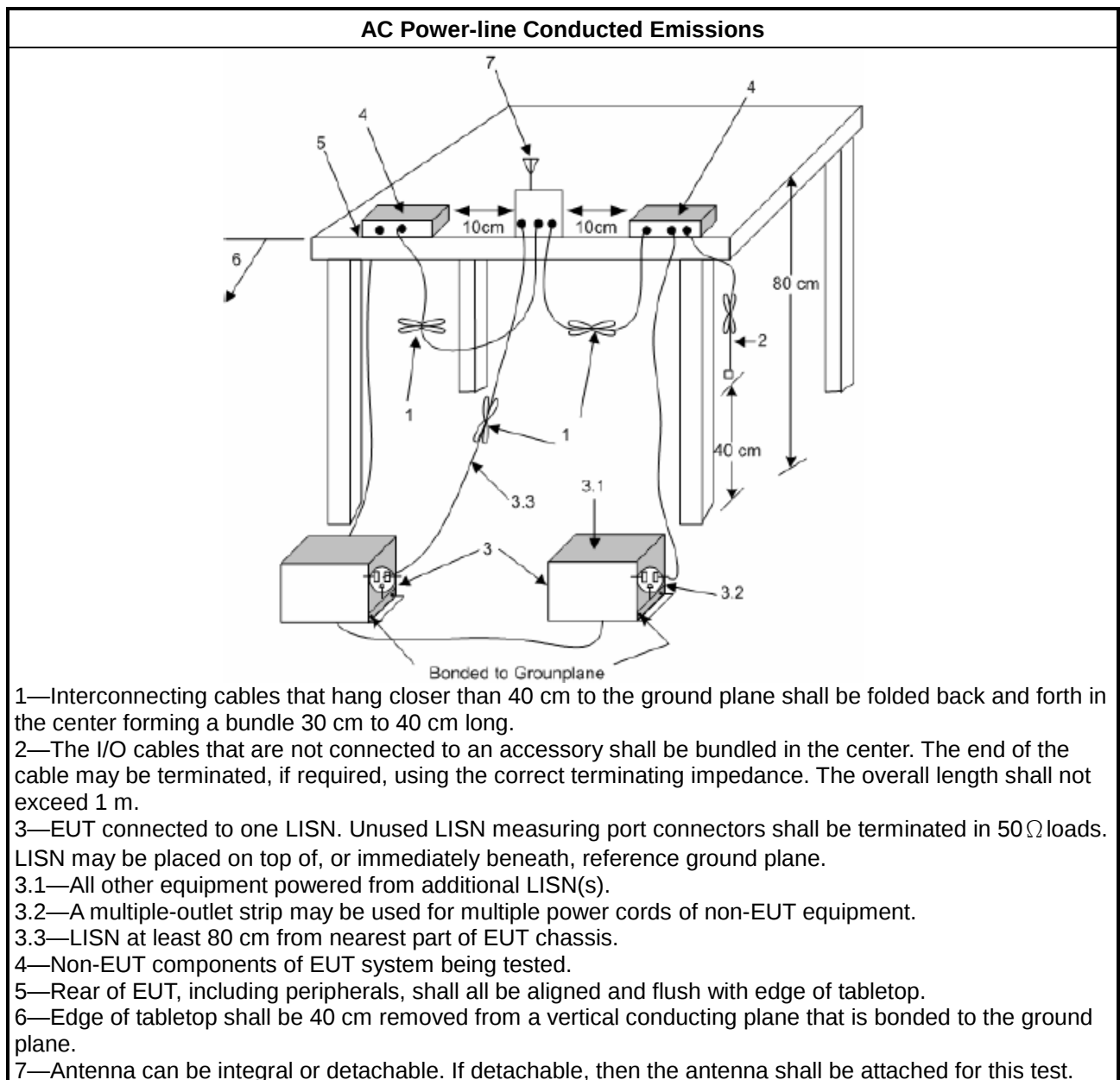
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

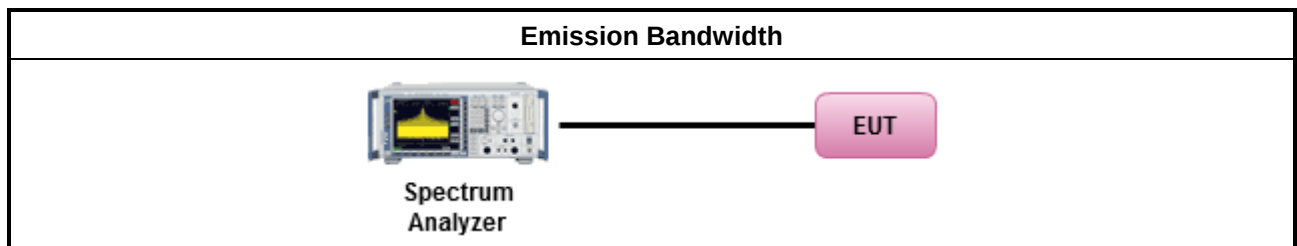
3.2.2 Measuring Instruments

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.	

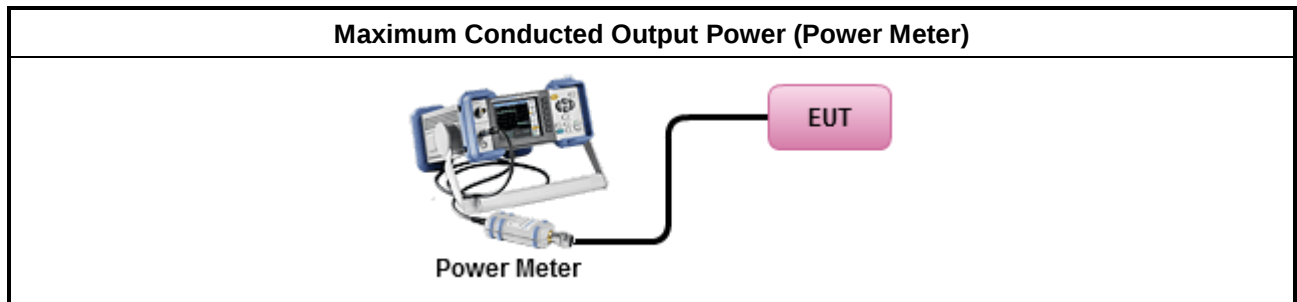
3.3.2 Measuring Instruments

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

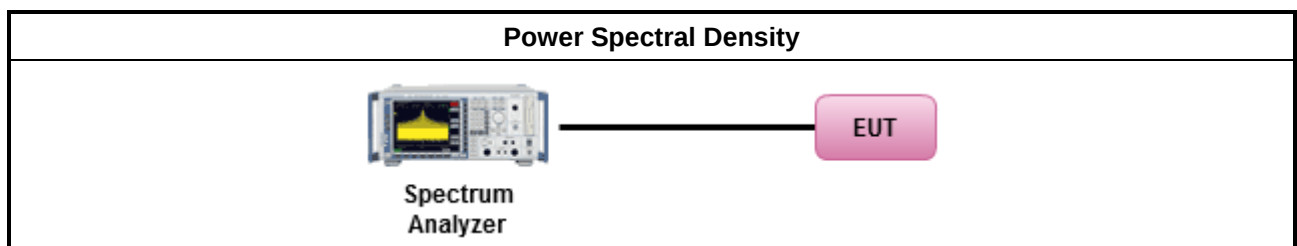
3.4.2 Measuring Instruments

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.	

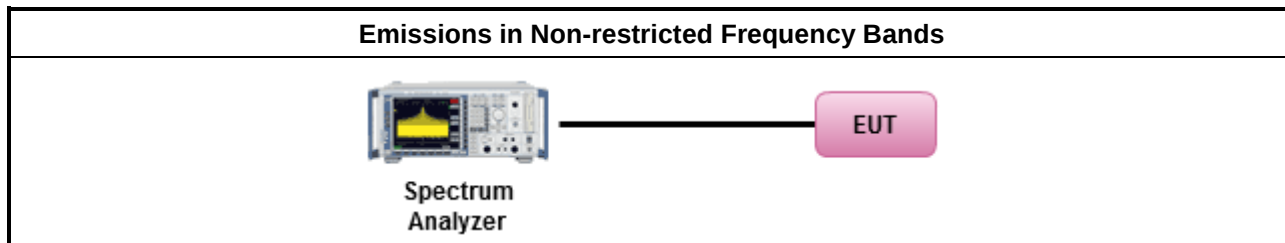
3.5.2 Measuring Instruments

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

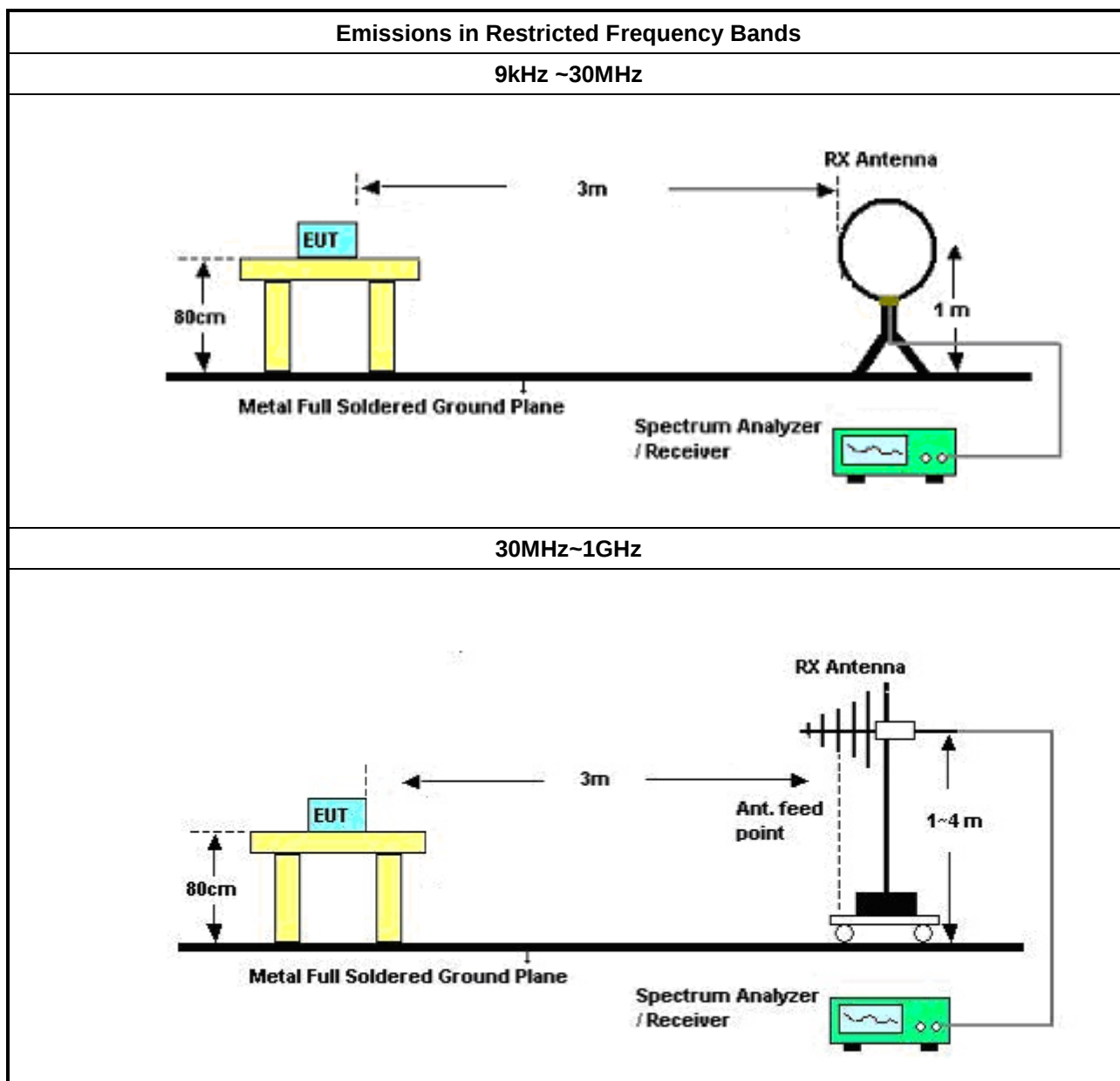
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

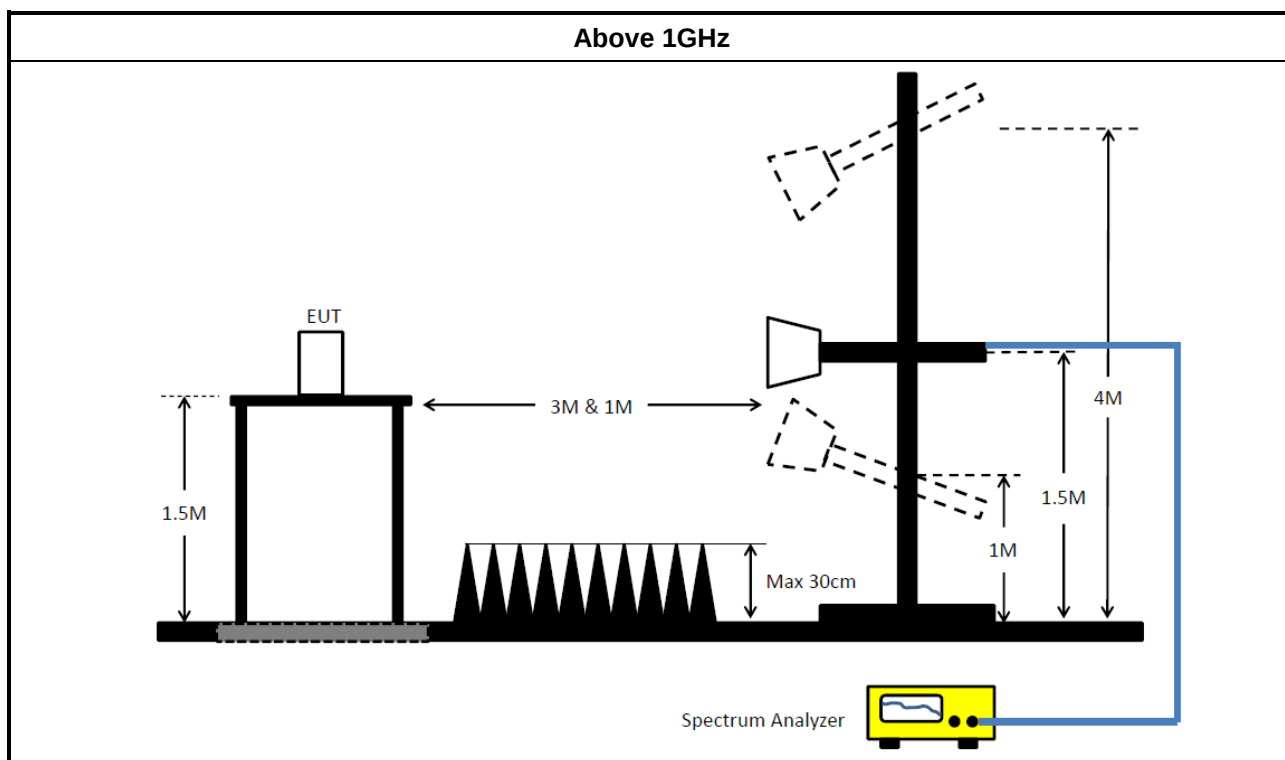
3.6.4 Measurement Results Calculation

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	16/May/2023	15/May/2024
Two-Line V-Network	R&S	ENV 216	101295	9kHz ~ 30MHz	05/Feb/2024	04/Feb/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer 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	101013	10Hz~40GHz	10/Jan/2023	09/Jan/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Jan/2024	16/Jan/2025
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Jan/2024	16/Jan/2025
SENSE-15247_DTS	Sporton	V5.11.17	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	23/Mar/2023	22/Mar/2024
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	31/May/2023	30/May/2024
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/2023	23/Apr/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	24/Apr/2023	23/Apr/2024
Preamplifier	SGH	PRAMP 903	20230515-1	30MHz~1GHz	25/May/2023	24/May/2024
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	25/May/2023	24/May/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-15247-DTS	Sporton	V5.13	NA	NA	NA	NA

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

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2023	25/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2267	1GHz~18GHz	04/Oct/2023	03/Oct/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	1248	18GHz ~ 40GHz	21/Aug/2023	20/Aug/2024
RF CABLE 5+8 m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	26/Jul/2023	25/Jul/2024
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060874	18GHz ~ 40GHz	18/Aug/2023	17/Aug /2024
SENSE-EMI	Sporton	V5.11.6	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

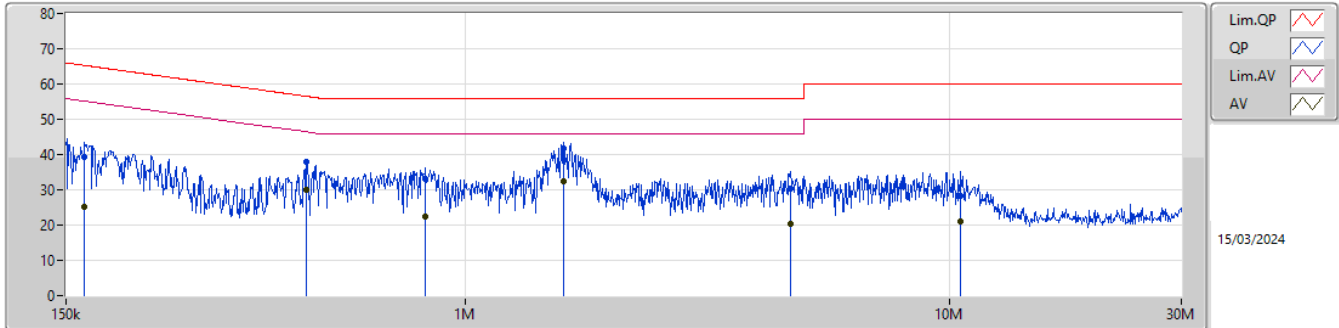
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	467.95k	33.57	46.55	-12.98	Neutral

Result

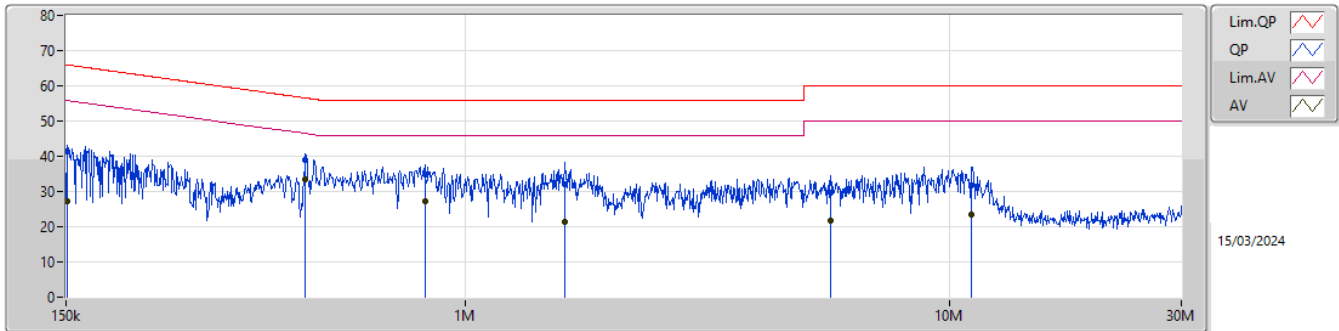
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	163.769k	39.21	65.27	-26.06	Line
Mode 1	Pass	AV	163.769k	25.32	55.27	-29.95	Line
Mode 1	Pass	QP	469.822k	37.99	56.52	-18.53	Line
Mode 1	Pass	AV	469.822k	30.14	46.52	-16.38	Line
Mode 1	Pass	QP	828.172k	33.04	56.00	-22.96	Line
Mode 1	Pass	AV	828.172k	22.55	46.00	-23.45	Line
Mode 1	Pass	QP	1.594M	41.61	56.00	-14.39	Line
Mode 1	Pass	AV	1.594M	32.35	46.00	-13.65	Line
Mode 1	Pass	QP	4.683M	30.40	56.00	-25.60	Line
Mode 1	Pass	AV	4.683M	20.24	46.00	-25.76	Line
Mode 1	Pass	QP	10.532M	28.41	60.00	-31.59	Line
Mode 1	Pass	AV	10.532M	21.12	50.00	-28.88	Line
Mode 1	Pass	QP	151.202k	41.23	65.92	-24.69	Neutral
Mode 1	Pass	AV	151.202k	27.20	55.92	-28.72	Neutral
Mode 1	Pass	QP	467.95k	38.95	56.55	-17.60	Neutral
Mode 1	Pass	AV	467.95k	33.57	46.55	-12.98	Neutral
Mode 1	Pass	QP	824.872k	34.71	56.00	-21.29	Neutral
Mode 1	Pass	AV	824.872k	27.38	46.00	-18.62	Neutral
Mode 1	Pass	QP	1.6M	32.13	56.00	-23.87	Neutral
Mode 1	Pass	AV	1.6M	21.36	46.00	-24.64	Neutral
Mode 1	Pass	QP	5.672M	29.80	60.00	-30.20	Neutral
Mode 1	Pass	AV	5.672M	21.62	50.00	-28.38	Neutral
Mode 1	Pass	QP	11.093M	31.89	60.00	-28.11	Neutral
Mode 1	Pass	AV	11.093M	23.45	50.00	-26.55	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	163.769k	39.21	65.27	-26.06	19.41	Line	-	19.80	9.61	0.07	9.73								
AV	163.769k	25.32	55.27	-29.95	19.41	Line	-	5.91	9.61	0.07	9.73								
QP	469.822k	37.99	56.52	-18.53	19.49	Line	-	18.50	9.61	0.11	9.77								
AV	469.822k	30.14	46.52	-16.38	19.49	Line	-	10.65	9.61	0.11	9.77								
QP	828.172k	33.04	56.00	-22.96	19.50	Line	-	13.54	9.61	0.10	9.79								
AV	828.172k	22.55	46.00	-23.45	19.50	Line	-	3.05	9.61	0.10	9.79								
QP	1.594M	41.61	56.00	-14.39	19.52	Line	-	22.09	9.62	0.10	9.80								
AV	1.594M	32.35	46.00	-13.65	19.52	Line	-	12.83	9.62	0.10	9.80								
QP	4.683M	30.40	56.00	-25.60	19.50	Line	-	10.90	9.64	0.07	9.79								
AV	4.683M	20.24	46.00	-25.76	19.50	Line	-	0.74	9.64	0.07	9.79								
QP	10.532M	28.41	60.00	-31.59	19.52	Line	-	8.89	9.66	0.06	9.80								
AV	10.532M	21.12	50.00	-28.88	19.52	Line	-	1.60	9.66	0.06	9.80								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	151.202k	41.23	65.92	-24.69	19.45	Neutral	-	21.78	9.62	0.07	9.76								
AV	151.202k	27.20	55.92	-28.72	19.45	Neutral	-	7.75	9.62	0.07	9.76								
QP	467.95k	38.95	56.55	-17.60	19.49	Neutral	-	19.46	9.61	0.11	9.77								
AV	467.95k	33.57	46.55	-12.98	19.49	Neutral	-	14.08	9.61	0.11	9.77								
QP	824.872k	34.71	56.00	-21.29	19.50	Neutral	-	15.21	9.61	0.10	9.79								
AV	824.872k	27.38	46.00	-18.62	19.50	Neutral	-	7.88	9.61	0.10	9.79								
QP	1.6M	32.13	56.00	-23.87	19.52	Neutral	-	12.61	9.62	0.10	9.80								
AV	1.6M	21.36	46.00	-24.64	19.52	Neutral	-	1.84	9.62	0.10	9.80								
QP	5.672M	29.80	60.00	-30.20	19.51	Neutral	-	10.29	9.66	0.06	9.79								
AV	5.672M	21.62	50.00	-28.38	19.51	Neutral	-	2.11	9.66	0.06	9.79								
QP	11.093M	31.89	60.00	-28.11	19.55	Neutral	-	12.34	9.69	0.06	9.80								
AV	11.093M	23.45	50.00	-26.55	19.55	Neutral	-	3.90	9.69	0.06	9.80								

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.925M	13.03M	13M0G1D	7.85M	12.399M
802.11g_Nss1,(6Mbps)_1TX	16.375M	16.555M	16M6D1D	16.05M	16.448M
802.11n HT20_Nss1,(MCS0)_1TX	16.925M	17.791M	17M8D1D	16.325M	17.466M
802.11n HT40_Nss1,(MCS0)_1TX	34.75M	35.982M	36M0D1D	30.95M	35.782M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.925M	12.399M
2437MHz	Pass	500k	7.85M	13.03M
2462MHz	Pass	500k	7.925M	12.399M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.275M	16.536M
2437MHz	Pass	500k	16.375M	16.555M
2462MHz	Pass	500k	16.05M	16.448M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.9M	17.466M
2437MHz	Pass	500k	16.325M	17.791M
2462MHz	Pass	500k	16.925M	17.491M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	30.95M	35.982M
2437MHz	Pass	500k	34.75M	35.832M
2452MHz	Pass	500k	32.2M	35.782M

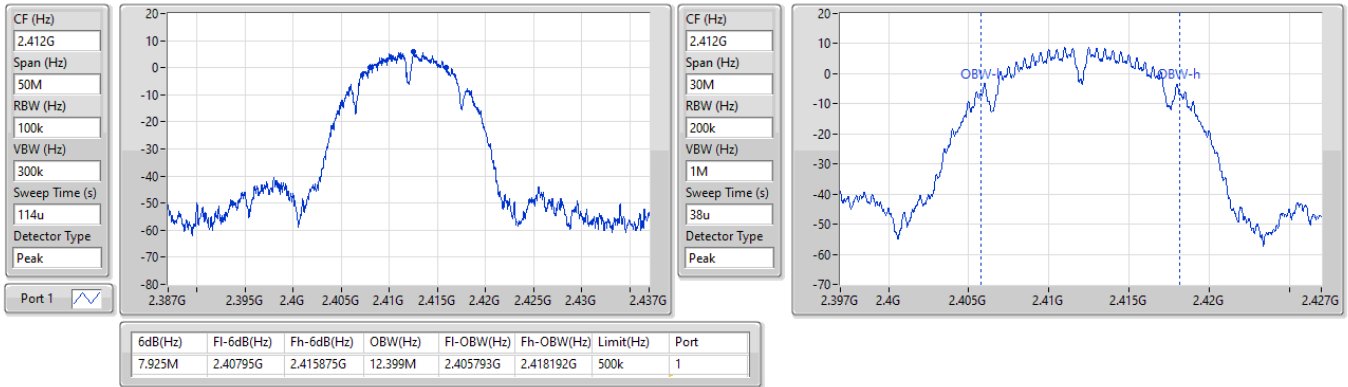
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

08/03/2024

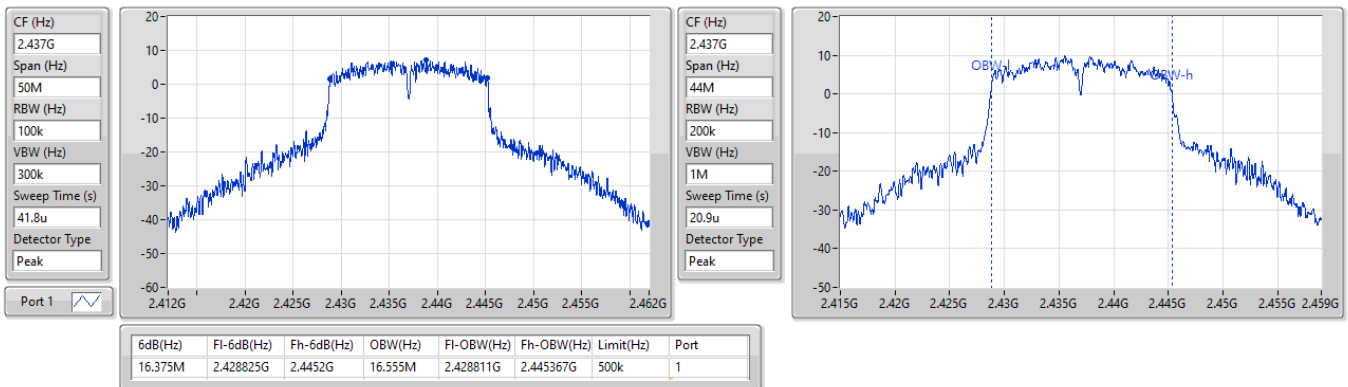


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

07/02/2024

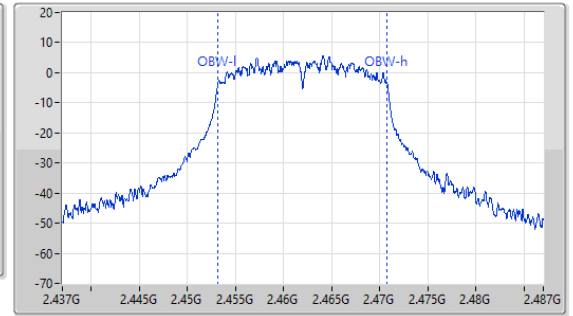
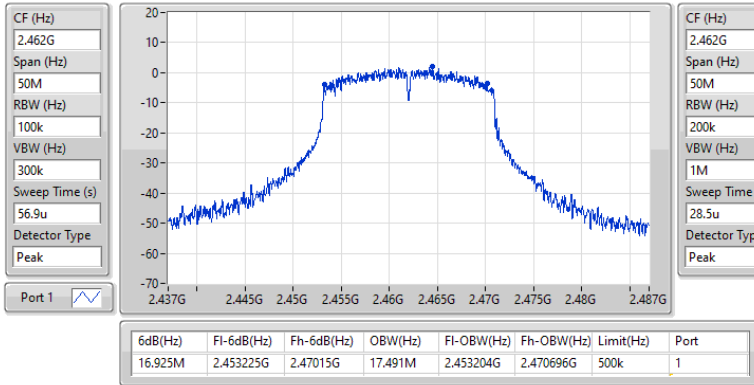


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

13/03/2024

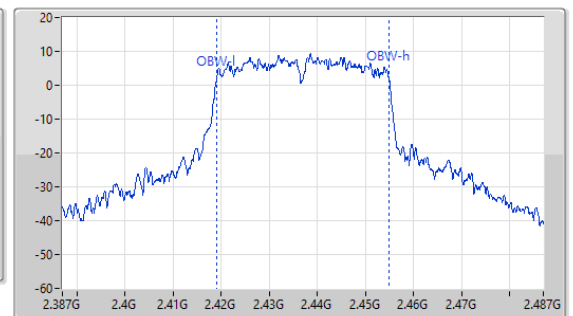
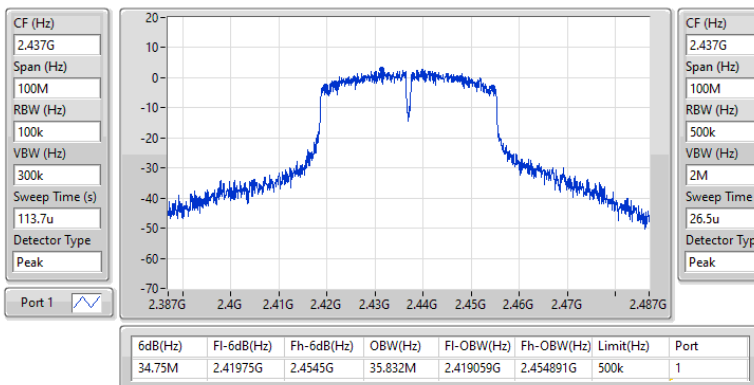


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

2437MHz

13/03/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.20	0.20893
802.11g_Nss1,(6Mbps)_1TX	21.54	0.14256
802.11n HT20_Nss1,(MCS0)_1TX	23.27	0.21232
802.11n HT40_Nss1,(MCS0)_1TX	19.82	0.09594

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	16.95	16.95	30.00
2417MHz	Pass	2.70	22.19	22.19	30.00
2437MHz	Pass	2.70	22.98	22.98	30.00
2457MHz	Pass	2.70	23.20	23.20	30.00
2462MHz	Pass	2.70	16.97	16.97	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	15.94	15.94	30.00
2417MHz	Pass	2.70	21.07	21.07	30.00
2437MHz	Pass	2.70	21.54	21.54	30.00
2457MHz	Pass	2.70	21.16	21.16	30.00
2462MHz	Pass	2.70	15.96	15.96	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	15.82	15.82	30.00
2417MHz	Pass	2.70	20.74	20.74	30.00
2437MHz	Pass	2.70	23.27	23.27	30.00
2457MHz	Pass	2.70	20.88	20.88	30.00
2462MHz	Pass	2.70	15.33	15.33	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.70	14.97	14.97	30.00
2427MHz	Pass	2.70	18.56	18.56	30.00
2437MHz	Pass	2.70	19.82	19.82	30.00
2447MHz	Pass	2.70	17.35	17.35	30.00
2452MHz	Pass	2.70	14.99	14.99	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-3.08
802.11g_Nss1,(6Mbps)_1TX	-5.14
802.11n HT20_Nss1,(MCS0)_1TX	-1.80
802.11n HT40_Nss1,(MCS0)_1TX	-7.15

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	-8.33	-8.33	8.00
2437MHz	Pass	2.70	-3.08	-3.08	8.00
2462MHz	Pass	2.70	-7.78	-7.78	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	-11.69	-11.69	8.00
2437MHz	Pass	2.70	-5.14	-5.14	8.00
2462MHz	Pass	2.70	-12.22	-12.22	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	-8.74	-8.74	8.00
2437MHz	Pass	2.70	-1.80	-1.80	8.00
2462MHz	Pass	2.70	-9.13	-9.13	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.70	-12.93	-12.93	8.00
2437MHz	Pass	2.70	-7.15	-7.15	8.00
2452MHz	Pass	2.70	-12.08	-12.08	8.00

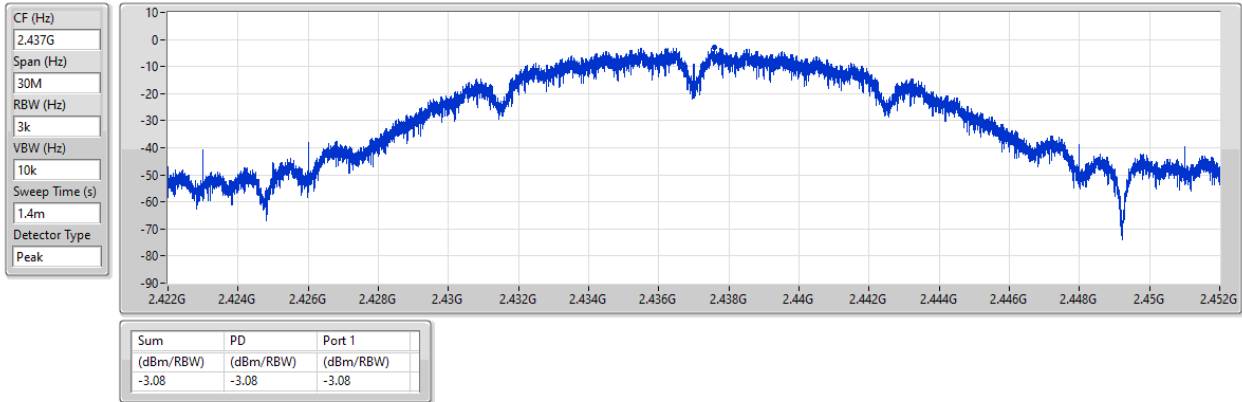
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

PSD

2437MHz

07/02/2024

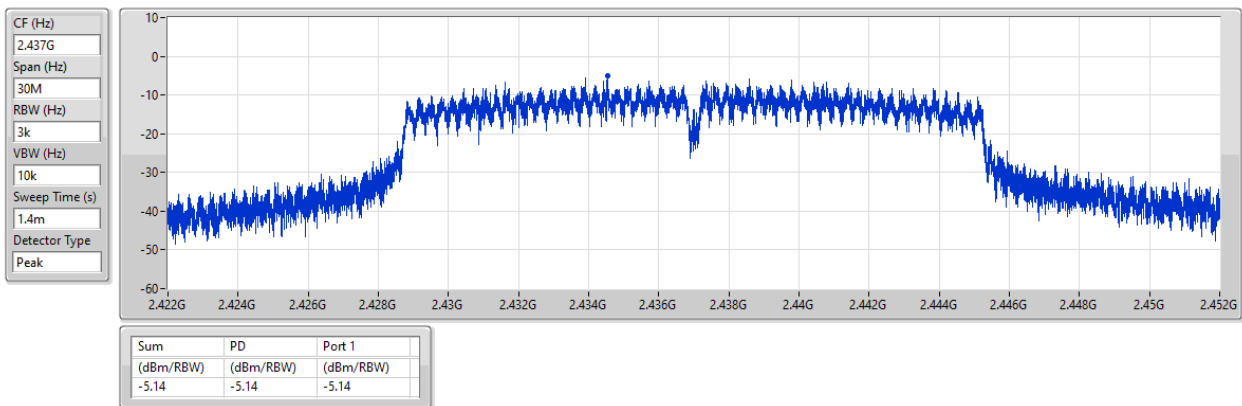


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

07/02/2024

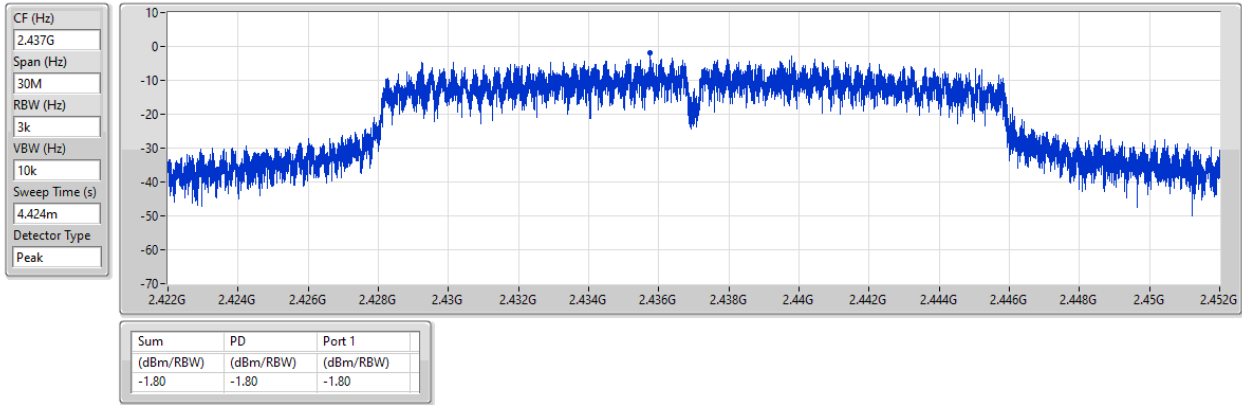


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

13/03/2024

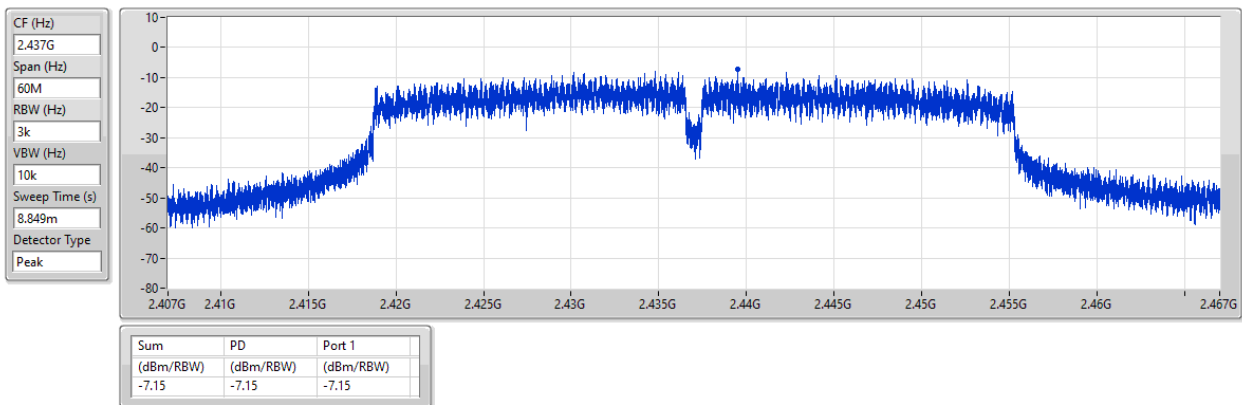


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

13/03/2024





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)_1TX	Pass	2.43741G	13.48	-16.52	2.14914G	-56.57	2.398G	-37.52	2.4G	-42.65	2.50174G	-53.64	17.64176G	-42.53	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	12.02	-17.98	2.30059G	-54.34	2.39976G	-29.47	2.4G	-29.11	2.50662G	-51.38	21.87296G	-40.22	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43457G	12.28	-17.72	2.30525G	-53.34	2.4G	-29.09	2.4G	-28.57	2.50606G	-51.60	24.60104G	-41.06	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.44208G	6.09	-23.91	2.1139G	-53.61	2.39984G	-30.91	2.4G	-31.85	2.5019G	-51.71	24.59334G	-40.98	1

Result

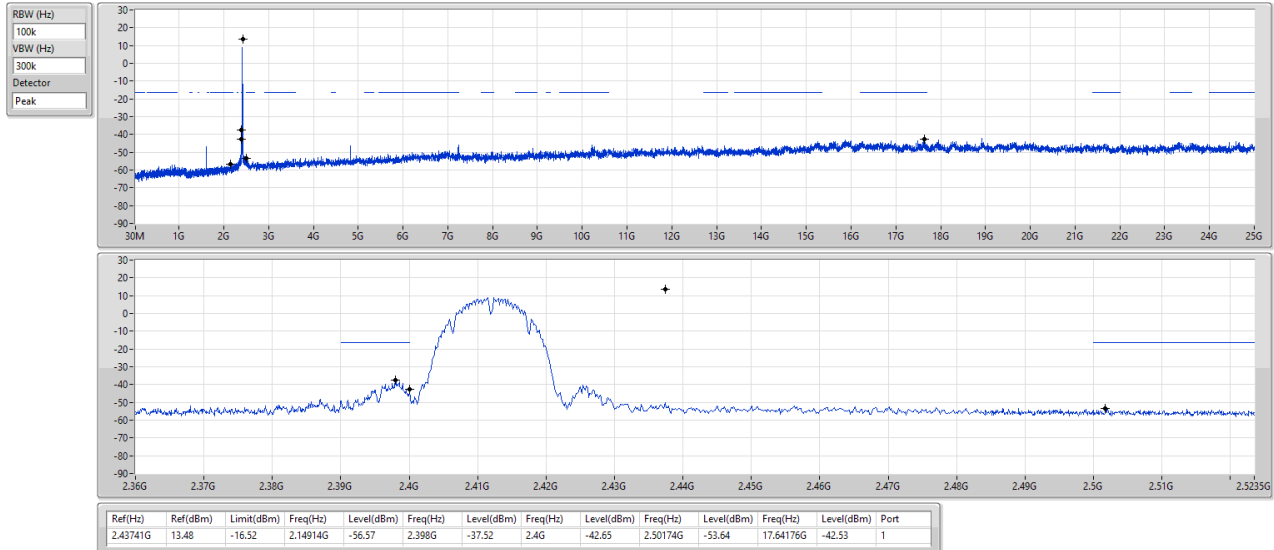
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	13.48	-16.52	2.14914G	-56.57	2.398G	-37.52	2.4G	-42.65	2.50174G	-53.64	17.64176G	-42.53	1
2437MHz	Pass	2.43741G	13.48	-16.52	2.30292G	-55.99	2.398G	-48.26	2.4G	-50.10	2.51102G	-51.87	23.38731G	-43.26	1
2462MHz	Pass	2.43741G	13.48	-16.52	1.6412G	-48.31	2.39008G	-52.74	2.4G	-55.15	2.50902G	-52.50	16.23697G	-43.05	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.02	-17.98	2.30059G	-54.34	2.39976G	-29.47	2.4G	-29.11	2.50662G	-51.38	21.87296G	-40.22	1
2437MHz	Pass	2.43574G	12.02	-17.98	2.19108G	-53.57	2.39864G	-39.46	2.4G	-40.81	2.50446G	-48.47	24.53923G	-41.70	1
2462MHz	Pass	2.43574G	12.02	-17.98	2.19923G	-55.04	2.39832G	-45.19	2.4G	-50.60	2.50094G	-47.23	17.36642G	-41.73	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43457G	12.28	-17.72	2.30525G	-53.34	2.4G	-29.09	2.4G	-28.57	2.50606G	-51.60	24.60104G	-41.06	1
2437MHz	Pass	2.43457G	12.28	-17.72	2.30292G	-53.43	2.39952G	-39.26	2.4G	-38.89	2.50294G	-47.58	21.41219G	-40.80	1
2462MHz	Pass	2.43457G	12.28	-17.72	2.15962G	-54.81	2.39696G	-47.66	2.4G	-50.72	2.5007G	-47.94	14.38266G	-41.96	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44208G	6.09	-23.91	2.1139G	-53.61	2.39984G	-30.91	2.4G	-31.85	2.5019G	-51.71	24.59334G	-40.98	1
2437MHz	Pass	2.44208G	6.09	-23.91	1.63415G	-54.18	2.3992G	-34.76	2.4G	-34.28	2.50126G	-46.70	24.14461G	-41.95	1
2452MHz	Pass	2.44208G	6.09	-23.91	2.30054G	-55.10	2.39728G	-47.55	2.4G	-47.73	2.50014G	-47.80	21.82804G	-41.02	1

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

CSEndB

2412MHz

08/03/2024

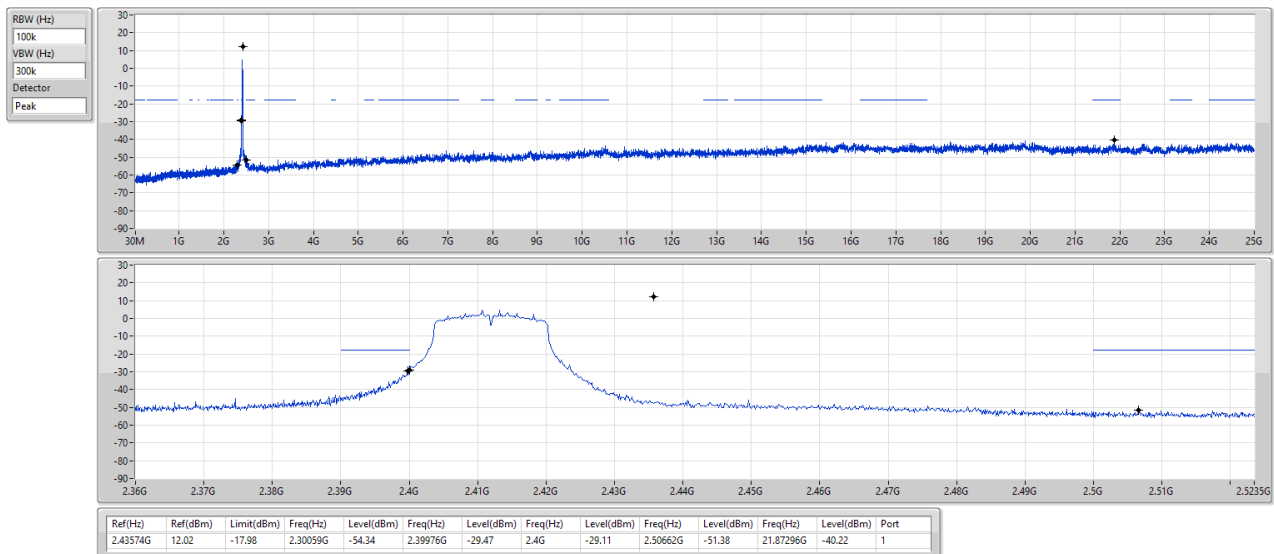


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

13/03/2024



2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

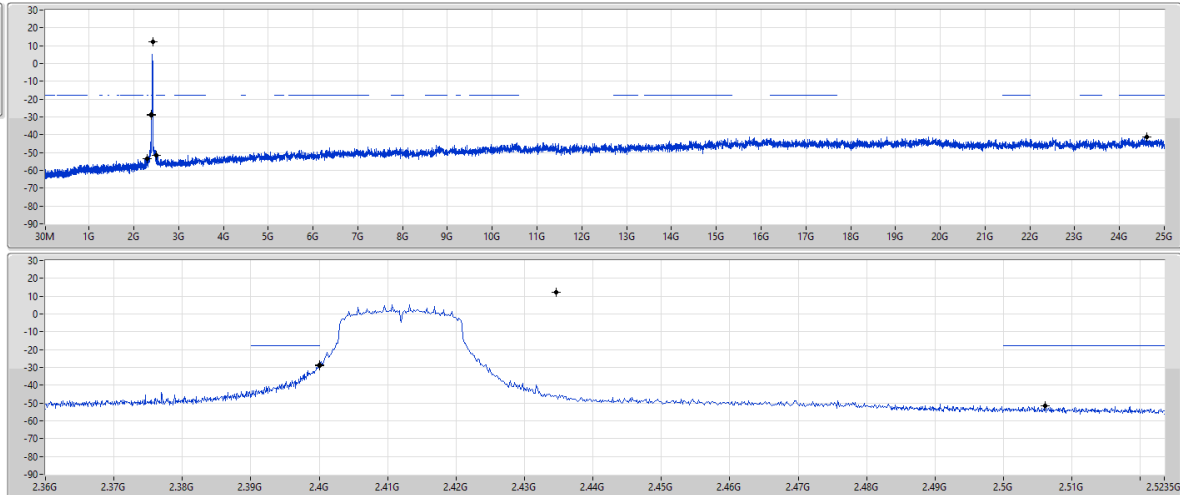
CSEndB

2412MHz

13/03/2024

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

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43457G	12.28	-17.72	2.30525G	-53.34	2.4G	-29.09	2.4G	-28.57	2.50606G	-51.60	24.60104G	-41.06	1

2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

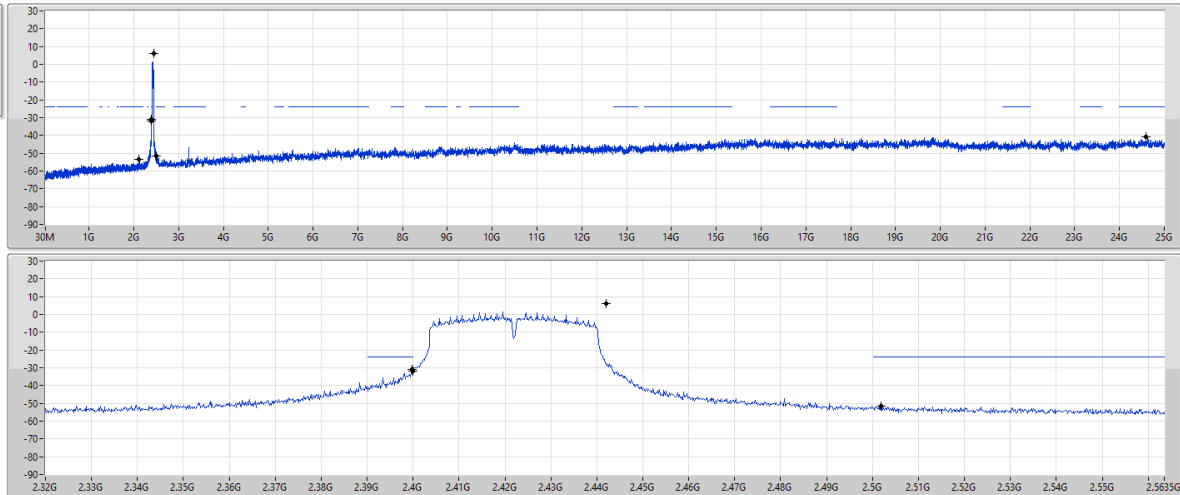
CSEndB

2422MHz

13/03/2024

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

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44208G	6.09	-23.91	2.1139G	-53.61	2.39984G	-30.91	2.4G	-31.85	2.5019G	-51.71	24.59334G	-40.98	1



Summary

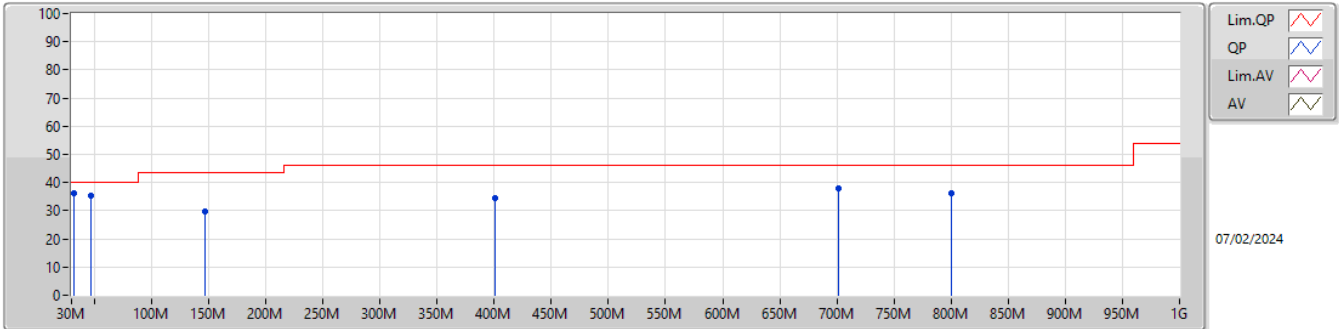
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	31.94M	36.38	40.00	-3.62	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	36.38	40.00	-3.62	3	Vertical	360	1.00
2437MHz	Pass	PK	47.46M	35.55	40.00	-4.45	3	Vertical	360	1.00
2437MHz	Pass	PK	146.4M	29.85	43.50	-13.65	3	Vertical	360	1.00
2437MHz	Pass	PK	400.54M	34.45	46.00	-11.55	3	Vertical	360	1.00
2437MHz	Pass	PK	701.24M	37.80	46.00	-8.20	3	Vertical	360	1.00
2437MHz	Pass	PK	800.18M	36.18	46.00	-9.82	3	Vertical	360	1.00
2437MHz	Pass	PK	31.94M	31.70	40.00	-8.30	3	Horizontal	0	1.00
2437MHz	Pass	PK	150.28M	33.06	43.50	-10.44	3	Horizontal	0	1.00
2437MHz	Pass	PK	476.2M	35.16	46.00	-10.84	3	Horizontal	0	1.00
2437MHz	Pass	PK	701.24M	33.58	46.00	-12.42	3	Horizontal	0	1.00
2437MHz	Pass	PK	800.18M	37.62	46.00	-8.38	3	Horizontal	0	1.00
2437MHz	Pass	PK	901.06M	39.10	46.00	-6.90	3	Horizontal	0	1.00

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

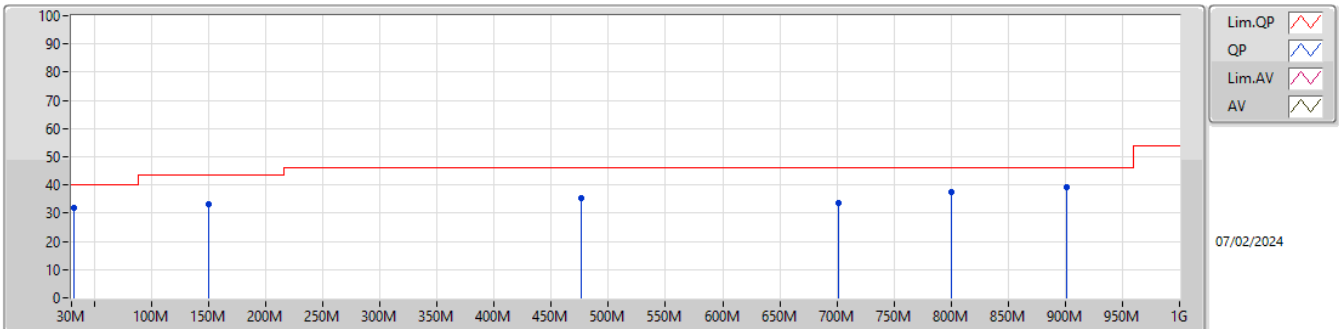
2437MHz_TX



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)
PK	31.94M	36.38	40.00	-3.62	-19.29	3	Vertical	360	1.00	55.67	24.52	0.42	44.23
PK	47.46M	35.55	40.00	-4.45	-27.84	3	Vertical	360	1.00	63.39	16.06	0.45	44.35
PK	146.4M	29.85	43.50	-13.65	-26.11	3	Vertical	360	1.00	55.96	17.44	0.79	44.34
PK	400.54M	34.45	46.00	-11.55	-20.37	3	Vertical	360	1.00	54.82	22.22	1.34	43.93
PK	701.24M	37.80	46.00	-8.20	-14.80	3	Vertical	360	1.00	52.60	26.92	1.82	43.54
PK	800.18M	36.18	46.00	-9.82	-13.49	3	Vertical	360	1.00	49.67	28.00	1.93	43.42

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

2437MHz_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)
PK	31.94M	31.70	40.00	-8.30	-19.29	3	Horizontal	0	1.00	50.99	24.52	0.42	44.23
PK	150.28M	33.06	43.50	-10.44	-26.36	3	Horizontal	0	1.00	59.42	17.17	0.80	44.33
PK	476.2M	35.16	46.00	-10.84	-18.61	3	Horizontal	0	1.00	53.77	23.75	1.48	43.84
PK	701.24M	33.58	46.00	-12.42	-14.80	3	Horizontal	0	1.00	48.38	26.92	1.82	43.54
PK	800.18M	37.62	46.00	-8.38	-13.49	3	Horizontal	0	1.00	51.11	28.00	1.93	43.42
PK	901.06M	39.10	46.00	-6.90	-11.89	3	Horizontal	0	1.00	50.99	29.50	1.99	43.38

**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)_1TX	Pass	AV	2.39G	53.73	54.00	-0.27	3	Horizontal	213	1.23
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	2.4835G	73.85	74.00	-0.15	3	Horizontal	210	1.40
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.82	54.00	-0.18	3	Horizontal	213	1.21
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.91	54.00	-0.09	3	Horizontal	210	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.387G	47.61	54.00	-6.39	3	Vertical	231	1.25
2412MHz	Pass	AV	2.4112G	104.39	Inf	-Inf	3	Vertical	231	1.25
2412MHz	Pass	PK	2.387G	58.20	74.00	-15.80	3	Vertical	231	1.25
2412MHz	Pass	PK	2.4106G	107.16	Inf	-Inf	3	Vertical	231	1.25
2412MHz	Pass	AV	2.387G	51.92	54.00	-2.08	3	Horizontal	206	1.94
2412MHz	Pass	AV	2.4128G	110.51	Inf	-Inf	3	Horizontal	206	1.94
2412MHz	Pass	PK	2.3868G	60.98	74.00	-13.02	3	Horizontal	206	1.94
2412MHz	Pass	PK	2.4106G	113.28	Inf	-Inf	3	Horizontal	206	1.94
2412MHz	Pass	AV	4.82396G	51.50	54.00	-2.50	3	Vertical	111	2.17
2412MHz	Pass	PK	4.82396G	53.64	74.00	-20.36	3	Vertical	111	2.17
2412MHz	Pass	AV	4.82398G	50.70	54.00	-3.30	3	Horizontal	357	1.47
2412MHz	Pass	PK	4.8241G	53.03	74.00	-20.97	3	Horizontal	357	1.47
2417MHz	Pass	AV	2.39G	46.36	54.00	-7.64	3	Vertical	321	2.06
2417MHz	Pass	AV	2.4162G	103.24	Inf	-Inf	3	Vertical	321	2.06
2417MHz	Pass	PK	2.3896G	58.00	74.00	-16.00	3	Vertical	321	2.06
2417MHz	Pass	PK	2.4158G	106.83	Inf	-Inf	3	Vertical	321	2.06
2417MHz	Pass	AV	2.39G	53.73	54.00	-0.27	3	Horizontal	213	1.23
2417MHz	Pass	AV	2.4162G	109.58	Inf	-Inf	3	Horizontal	213	1.23
2417MHz	Pass	PK	2.3892G	62.06	74.00	-11.94	3	Horizontal	213	1.23
2417MHz	Pass	PK	2.4162G	112.49	Inf	-Inf	3	Horizontal	213	1.23
2437MHz	Pass	AV	2.3898G	44.13	54.00	-9.87	3	Vertical	228	1.19
2437MHz	Pass	AV	2.4362G	106.96	Inf	-Inf	3	Vertical	228	1.19
2437MHz	Pass	AV	2.4838G	44.46	54.00	-9.54	3	Vertical	228	1.19
2437MHz	Pass	PK	2.3378G	56.82	74.00	-17.18	3	Vertical	228	1.19
2437MHz	Pass	PK	2.435G	109.83	Inf	-Inf	3	Vertical	228	1.19
2437MHz	Pass	PK	2.4906G	57.87	74.00	-16.13	3	Vertical	228	1.19
2437MHz	Pass	AV	2.3894G	47.04	54.00	-6.96	3	Horizontal	206	1.89
2437MHz	Pass	AV	2.4358G	113.63	Inf	-Inf	3	Horizontal	206	1.89
2437MHz	Pass	AV	2.4835G	46.96	54.00	-7.04	3	Horizontal	206	1.89
2437MHz	Pass	PK	2.3662G	58.10	74.00	-15.90	3	Horizontal	206	1.89
2437MHz	Pass	PK	2.4362G	116.63	Inf	-Inf	3	Horizontal	206	1.89
2437MHz	Pass	PK	2.4835G	58.76	74.00	-15.24	3	Horizontal	206	1.89
2437MHz	Pass	AV	4.87398G	48.09	54.00	-5.91	3	Vertical	40	2.70
2437MHz	Pass	AV	7.31174G	48.70	54.00	-5.30	3	Vertical	88	1.57
2437MHz	Pass	PK	4.87386G	51.05	74.00	-22.95	3	Vertical	40	2.70
2437MHz	Pass	PK	7.31164G	54.75	74.00	-19.25	3	Vertical	88	1.57
2437MHz	Pass	AV	4.87396G	47.04	54.00	-6.96	3	Horizontal	176	1.55
2437MHz	Pass	AV	7.31024G	48.46	54.00	-5.54	3	Horizontal	247	1.62
2437MHz	Pass	PK	4.87406G	50.69	74.00	-23.31	3	Horizontal	176	1.55
2437MHz	Pass	PK	7.31176G	54.62	74.00	-19.38	3	Horizontal	247	1.62
2457MHz	Pass	AV	2.4562G	103.49	Inf	-Inf	3	Vertical	324	1.39
2457MHz	Pass	AV	2.4836G	46.61	54.00	-7.39	3	Vertical	324	1.39
2457MHz	Pass	PK	2.458G	106.97	Inf	-Inf	3	Vertical	324	1.39
2457MHz	Pass	PK	2.4856G	58.52	74.00	-15.48	3	Vertical	324	1.39
2457MHz	Pass	AV	2.4562G	110.24	Inf	-Inf	3	Horizontal	208	1.71
2457MHz	Pass	AV	2.4838G	53.61	54.00	-0.39	3	Horizontal	208	1.71
2457MHz	Pass	PK	2.456G	113.83	Inf	-Inf	3	Horizontal	208	1.71
2457MHz	Pass	PK	2.4835G	61.81	74.00	-12.19	3	Horizontal	208	1.71
2462MHz	Pass	AV	2.4612G	103.20	Inf	-Inf	3	Vertical	225	1.11
2462MHz	Pass	AV	2.4874G	45.97	54.00	-8.03	3	Vertical	225	1.11
2462MHz	Pass	PK	2.461G	105.96	Inf	-Inf	3	Vertical	225	1.11
2462MHz	Pass	PK	2.4864G	58.09	74.00	-15.91	3	Vertical	225	1.11
2462MHz	Pass	AV	2.4612G	110.71	Inf	-Inf	3	Horizontal	209	2.09
2462MHz	Pass	AV	2.4872G	51.82	54.00	-2.18	3	Horizontal	209	2.09
2462MHz	Pass	PK	2.461G	113.79	Inf	-Inf	3	Horizontal	209	2.09
2462MHz	Pass	PK	2.4868G	61.37	74.00	-12.63	3	Horizontal	209	2.09
2462MHz	Pass	AV	4.92396G	49.54	54.00	-4.46	3	Vertical	46	3.00
2462MHz	Pass	AV	7.38676G	43.41	54.00	-10.59	3	Vertical	167	1.50
2462MHz	Pass	PK	4.92402G	52.18	74.00	-21.82	3	Vertical	46	3.00
2462MHz	Pass	PK	7.38652G	51.38	74.00	-22.62	3	Vertical	167	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.92398G	48.68	54.00	-5.32	3	Horizontal	223	1.67
2462MHz	Pass	AV	7.3871G	45.17	54.00	-8.83	3	Horizontal	247	1.68
2462MHz	Pass	PK	4.92404G	51.71	74.00	-22.29	3	Horizontal	223	1.67
2462MHz	Pass	PK	7.38434G	52.31	74.00	-21.69	3	Horizontal	247	1.68
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.34	54.00	-5.66	3	Vertical	351	2.05
2412MHz	Pass	AV	2.4098G	96.46	Inf	-Inf	3	Vertical	351	2.05
2412MHz	Pass	PK	2.3898G	65.26	74.00	-8.74	3	Vertical	351	2.05
2412MHz	Pass	PK	2.4086G	107.22	Inf	-Inf	3	Vertical	351	2.05
2412MHz	Pass	AV	2.3894G	53.77	54.00	-0.23	3	Horizontal	212	1.23
2412MHz	Pass	AV	2.4142G	102.38	Inf	-Inf	3	Horizontal	212	1.23
2412MHz	Pass	PK	2.3896G	72.17	74.00	-1.83	3	Horizontal	212	1.23
2412MHz	Pass	PK	2.4142G	113.33	Inf	-Inf	3	Horizontal	212	1.23
2412MHz	Pass	AV	4.8239G	38.37	54.00	-15.63	3	Vertical	124	2.57
2412MHz	Pass	PK	4.8221G	51.70	74.00	-22.30	3	Vertical	124	2.57
2412MHz	Pass	AV	4.824G	36.49	54.00	-17.51	3	Horizontal	2	1.69
2412MHz	Pass	PK	4.82566G	50.06	74.00	-23.94	3	Horizontal	2	1.69
2417MHz	Pass	AV	2.3896G	47.19	54.00	-6.81	3	Vertical	321	2.07
2417MHz	Pass	AV	2.4158G	97.65	Inf	-Inf	3	Vertical	321	2.07
2417MHz	Pass	PK	2.3886G	63.93	74.00	-10.07	3	Vertical	321	2.07
2417MHz	Pass	PK	2.4138G	108.44	Inf	-Inf	3	Vertical	321	2.07
2417MHz	Pass	AV	2.39G	53.71	54.00	-0.29	3	Horizontal	210	1.50
2417MHz	Pass	AV	2.419G	103.73	Inf	-Inf	3	Horizontal	210	1.50
2417MHz	Pass	PK	2.3888G	69.88	74.00	-4.12	3	Horizontal	210	1.50
2417MHz	Pass	PK	2.419G	114.36	Inf	-Inf	3	Horizontal	210	1.50
2437MHz	Pass	AV	2.3894G	47.21	54.00	-6.79	3	Vertical	227	1.55
2437MHz	Pass	AV	2.4354G	101.77	Inf	-Inf	3	Vertical	227	1.55
2437MHz	Pass	AV	2.4835G	45.79	54.00	-8.21	3	Vertical	227	1.55
2437MHz	Pass	PK	2.389G	62.38	74.00	-11.62	3	Vertical	227	1.55
2437MHz	Pass	PK	2.4346G	112.23	Inf	-Inf	3	Vertical	227	1.55
2437MHz	Pass	PK	2.4854G	60.24	74.00	-13.76	3	Vertical	227	1.55
2437MHz	Pass	AV	2.3898G	51.51	54.00	-2.49	3	Horizontal	204	1.90
2437MHz	Pass	AV	2.4358G	108.83	Inf	-Inf	3	Horizontal	204	1.90
2437MHz	Pass	AV	2.4838G	51.34	54.00	-2.66	3	Horizontal	204	1.90
2437MHz	Pass	PK	2.3894G	68.24	74.00	-5.76	3	Horizontal	204	1.90
2437MHz	Pass	PK	2.4398G	120.17	Inf	-Inf	3	Horizontal	204	1.90
2437MHz	Pass	PK	2.4858G	67.23	74.00	-6.77	3	Horizontal	204	1.90
2437MHz	Pass	AV	4.874G	36.90	54.00	-17.10	3	Vertical	92	3.00
2437MHz	Pass	AV	7.31296G	42.36	54.00	-11.64	3	Vertical	103	1.81
2437MHz	Pass	PK	4.87388G	50.46	74.00	-23.54	3	Vertical	92	3.00
2437MHz	Pass	PK	7.3152G	56.83	74.00	-17.17	3	Vertical	103	1.81
2437MHz	Pass	AV	4.87228G	34.21	54.00	-19.79	3	Horizontal	0	1.73
2437MHz	Pass	AV	7.3106G	41.99	54.00	-12.01	3	Horizontal	248	1.62
2437MHz	Pass	PK	4.87784G	47.48	74.00	-26.52	3	Horizontal	0	1.73
2437MHz	Pass	PK	7.31356G	56.58	74.00	-17.42	3	Horizontal	248	1.62
2457MHz	Pass	AV	2.459G	96.99	Inf	-Inf	3	Vertical	325	1.42
2457MHz	Pass	AV	2.4842G	47.02	54.00	-6.98	3	Vertical	325	1.42
2457MHz	Pass	PK	2.4596G	107.60	Inf	-Inf	3	Vertical	325	1.42
2457MHz	Pass	PK	2.4848G	65.48	74.00	-8.52	3	Vertical	325	1.42
2457MHz	Pass	AV	2.459G	104.46	Inf	-Inf	3	Horizontal	207	2.48
2457MHz	Pass	AV	2.4835G	53.08	54.00	-0.92	3	Horizontal	207	2.48
2457MHz	Pass	PK	2.4584G	115.58	Inf	-Inf	3	Horizontal	207	2.48
2457MHz	Pass	PK	2.4838G	72.04	74.00	-1.96	3	Horizontal	207	2.48
2462MHz	Pass	AV	2.464G	94.81	Inf	-Inf	3	Vertical	326	1.09
2462MHz	Pass	AV	2.4835G	47.52	54.00	-6.48	3	Vertical	326	1.09
2462MHz	Pass	PK	2.4634G	105.55	Inf	-Inf	3	Vertical	326	1.09
2462MHz	Pass	PK	2.4838G	65.90	74.00	-8.10	3	Vertical	326	1.09
2462MHz	Pass	AV	2.46G	102.00	Inf	-Inf	3	Horizontal	210	1.40
2462MHz	Pass	AV	2.4835G	53.26	54.00	-0.74	3	Horizontal	210	1.40
2462MHz	Pass	PK	2.4596G	112.65	Inf	-Inf	3	Horizontal	210	1.40
2462MHz	Pass	PK	2.4835G	73.85	74.00	-0.15	3	Horizontal	210	1.40
2462MHz	Pass	AV	4.924G	37.07	54.00	-16.93	3	Vertical	129	2.64

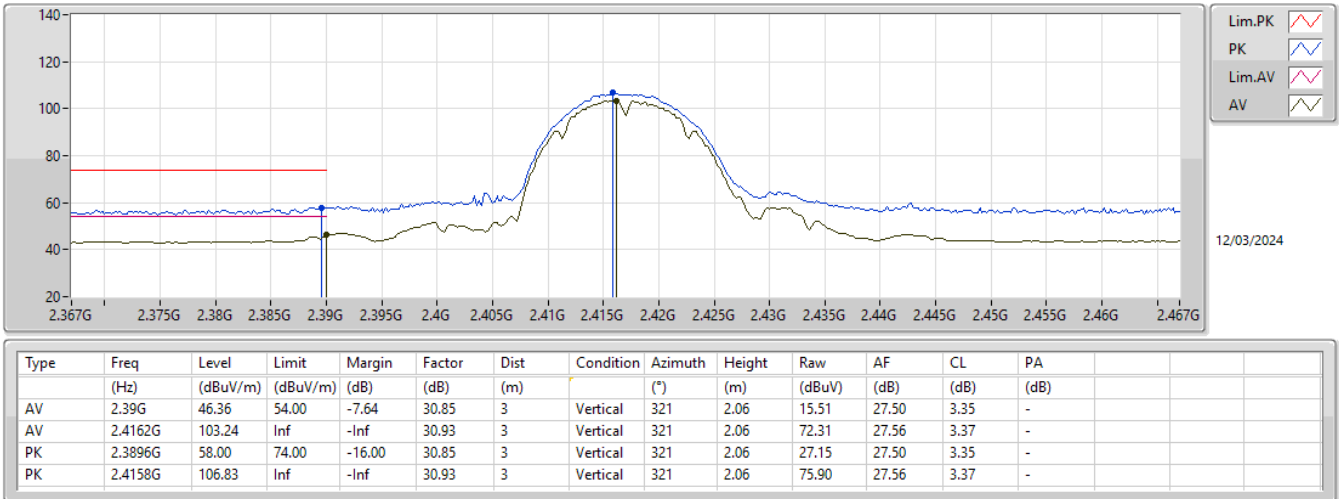
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	7.38378G	37.66	54.00	-16.34	3	Vertical	356	1.18
2462MHz	Pass	PK	4.9238G	50.01	74.00	-23.99	3	Vertical	129	2.64
2462MHz	Pass	PK	7.38184G	52.70	74.00	-21.30	3	Vertical	356	1.18
2462MHz	Pass	AV	4.92412G	33.50	54.00	-20.50	3	Horizontal	176	1.03
2462MHz	Pass	AV	7.38544G	36.39	54.00	-17.61	3	Horizontal	178	1.50
2462MHz	Pass	PK	4.92614G	47.37	74.00	-26.63	3	Horizontal	176	1.03
2462MHz	Pass	PK	7.3859G	51.10	74.00	-22.90	3	Horizontal	178	1.50
802.11n HT20_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.14	54.00	-5.86	3	Vertical	335	2.03
2412MHz	Pass	AV	2.4106G	96.52	Inf	-Inf	3	Vertical	335	2.03
2412MHz	Pass	PK	2.3888G	66.84	74.00	-7.16	3	Vertical	335	2.03
2412MHz	Pass	PK	2.4094G	106.87	Inf	-Inf	3	Vertical	335	2.03
2412MHz	Pass	AV	2.39G	53.46	54.00	-0.54	3	Horizontal	210	1.26
2412MHz	Pass	AV	2.411G	102.00	Inf	-Inf	3	Horizontal	210	1.26
2412MHz	Pass	PK	2.3898G	71.30	74.00	-2.70	3	Horizontal	210	1.26
2412MHz	Pass	PK	2.4132G	112.81	Inf	-Inf	3	Horizontal	210	1.26
2412MHz	Pass	AV	4.82244G	28.40	54.00	-25.60	3	Vertical	170	1.50
2412MHz	Pass	PK	4.82786G	41.84	74.00	-32.16	3	Vertical	170	1.50
2412MHz	Pass	AV	4.8236G	28.42	54.00	-25.58	3	Horizontal	179	1.50
2412MHz	Pass	PK	4.81978G	41.39	74.00	-32.61	3	Horizontal	179	1.50
2417MHz	Pass	AV	2.39G	49.10	54.00	-4.90	3	Vertical	352	2.05
2417MHz	Pass	AV	2.4154G	98.44	Inf	-Inf	3	Vertical	352	2.05
2417MHz	Pass	PK	2.3896G	64.50	74.00	-9.50	3	Vertical	352	2.05
2417MHz	Pass	PK	2.4122G	109.04	Inf	-Inf	3	Vertical	352	2.05
2417MHz	Pass	AV	2.39G	53.82	54.00	-0.18	3	Horizontal	213	1.21
2417MHz	Pass	AV	2.4148G	103.70	Inf	-Inf	3	Horizontal	213	1.21
2417MHz	Pass	PK	2.3868G	71.81	74.00	-2.19	3	Horizontal	213	1.21
2417MHz	Pass	PK	2.4158G	114.03	Inf	-Inf	3	Horizontal	213	1.21
2437MHz	Pass	AV	2.3894G	45.62	54.00	-8.38	3	Vertical	338	1.45
2437MHz	Pass	AV	2.4354G	100.47	Inf	-Inf	3	Vertical	338	1.45
2437MHz	Pass	AV	2.4835G	45.85	54.00	-8.15	3	Vertical	338	1.45
2437MHz	Pass	PK	2.389G	58.51	74.00	-15.49	3	Vertical	338	1.45
2437MHz	Pass	PK	2.4386G	110.75	Inf	-Inf	3	Vertical	338	1.45
2437MHz	Pass	PK	2.4835G	59.29	74.00	-14.71	3	Vertical	338	1.45
2437MHz	Pass	AV	2.3898G	49.87	54.00	-4.13	3	Horizontal	212	1.43
2437MHz	Pass	AV	2.435G	106.22	Inf	-Inf	3	Horizontal	212	1.43
2437MHz	Pass	AV	2.4835G	50.31	54.00	-3.69	3	Horizontal	212	1.43
2437MHz	Pass	PK	2.3886G	64.66	74.00	-9.34	3	Horizontal	212	1.43
2437MHz	Pass	PK	2.4362G	116.68	Inf	-Inf	3	Horizontal	212	1.43
2437MHz	Pass	PK	2.485G	66.52	74.00	-7.48	3	Horizontal	212	1.43
2437MHz	Pass	AV	4.8723G	28.66	54.00	-25.34	3	Vertical	268	1.50
2437MHz	Pass	AV	7.30746G	34.09	54.00	-19.91	3	Vertical	116	1.50
2437MHz	Pass	PK	4.86992G	41.82	74.00	-32.18	3	Vertical	268	1.50
2437MHz	Pass	PK	7.30764G	47.80	74.00	-26.20	3	Vertical	116	1.50
2437MHz	Pass	AV	4.87158G	28.62	54.00	-25.38	3	Horizontal	56	1.50
2437MHz	Pass	AV	7.30704G	34.29	54.00	-19.71	3	Horizontal	304	1.50
2437MHz	Pass	PK	4.87816G	41.95	74.00	-32.05	3	Horizontal	56	1.50
2437MHz	Pass	PK	7.31478G	47.57	74.00	-26.43	3	Horizontal	304	1.50
2457MHz	Pass	AV	2.4552G	97.09	Inf	-Inf	3	Vertical	336	1.39
2457MHz	Pass	AV	2.4836G	47.21	54.00	-6.79	3	Vertical	336	1.39
2457MHz	Pass	PK	2.4544G	107.50	Inf	-Inf	3	Vertical	336	1.39
2457MHz	Pass	PK	2.4842G	66.39	74.00	-7.61	3	Vertical	336	1.39
2457MHz	Pass	AV	2.4582G	103.80	Inf	-Inf	3	Horizontal	217	1.53
2457MHz	Pass	AV	2.4835G	53.26	54.00	-0.74	3	Horizontal	217	1.53
2457MHz	Pass	PK	2.4582G	114.04	Inf	-Inf	3	Horizontal	217	1.53
2457MHz	Pass	PK	2.4866G	73.72	74.00	-0.28	3	Horizontal	217	1.53
2462MHz	Pass	AV	2.4604G	94.80	Inf	-Inf	3	Vertical	318	1.04
2462MHz	Pass	AV	2.4835G	48.54	54.00	-5.46	3	Vertical	318	1.04
2462MHz	Pass	PK	2.4622G	104.99	Inf	-Inf	3	Vertical	318	1.04
2462MHz	Pass	PK	2.4836G	69.56	74.00	-4.44	3	Vertical	318	1.04
2462MHz	Pass	AV	2.4608G	102.17	Inf	-Inf	3	Horizontal	219	2.00
2462MHz	Pass	AV	2.4835G	53.54	54.00	-0.46	3	Horizontal	219	2.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.4604G	111.82	Inf	-Inf	3	Horizontal	219	2.00
2462MHz	Pass	PK	2.484G	73.50	74.00	-0.50	3	Horizontal	219	2.00
2462MHz	Pass	AV	4.92424G	37.54	54.00	-16.46	3	Vertical	117	2.58
2462MHz	Pass	AV	7.3851G	36.75	54.00	-17.25	3	Vertical	360	1.39
2462MHz	Pass	PK	4.91917G	50.01	74.00	-23.99	3	Vertical	117	2.58
2462MHz	Pass	PK	7.38149G	51.47	74.00	-22.53	3	Vertical	360	1.39
2462MHz	Pass	AV	4.92371G	33.57	54.00	-20.43	3	Horizontal	179	1.47
2462MHz	Pass	AV	7.38458G	35.99	54.00	-18.01	3	Horizontal	177	1.52
2462MHz	Pass	PK	4.92169G	48.01	74.00	-25.99	3	Horizontal	179	1.47
2462MHz	Pass	PK	7.38766G	50.05	74.00	-23.95	3	Horizontal	177	1.52
802.11n HT40_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	49.07	54.00	-4.93	3	Vertical	334	2.05
2422MHz	Pass	AV	2.4148G	91.85	Inf	-Inf	3	Vertical	334	2.05
2422MHz	Pass	AV	2.4876G	44.88	54.00	-9.12	3	Vertical	334	2.05
2422MHz	Pass	PK	2.3884G	65.43	74.00	-8.57	3	Vertical	334	2.05
2422MHz	Pass	PK	2.4132G	102.77	Inf	-Inf	3	Vertical	334	2.05
2422MHz	Pass	PK	2.488G	57.71	74.00	-16.29	3	Vertical	334	2.05
2422MHz	Pass	AV	2.39G	53.91	54.00	-0.09	3	Horizontal	210	1.50
2422MHz	Pass	AV	2.4236G	98.04	Inf	-Inf	3	Horizontal	210	1.50
2422MHz	Pass	AV	2.4835G	46.87	54.00	-7.13	3	Horizontal	210	1.50
2422MHz	Pass	PK	2.3872G	70.36	74.00	-3.64	3	Horizontal	210	1.50
2422MHz	Pass	PK	2.4268G	108.79	Inf	-Inf	3	Horizontal	210	1.50
2422MHz	Pass	PK	2.4848G	59.65	74.00	-14.35	3	Horizontal	210	1.50
2422MHz	Pass	AV	4.84404G	36.39	54.00	-17.61	3	Vertical	127	2.69
2422MHz	Pass	PK	4.84064G	48.57	74.00	-25.43	3	Vertical	127	2.69
2422MHz	Pass	AV	4.83656G	32.93	54.00	-21.07	3	Horizontal	6	1.50
2422MHz	Pass	PK	4.84048G	45.94	74.00	-28.06	3	Horizontal	6	1.50
2427MHz	Pass	AV	2.3898G	48.78	54.00	-5.22	3	Vertical	332	1.61
2427MHz	Pass	AV	2.4258G	92.83	Inf	-Inf	3	Vertical	332	1.61
2427MHz	Pass	AV	2.4846G	44.99	54.00	-9.01	3	Vertical	332	1.61
2427MHz	Pass	PK	2.3894G	63.65	74.00	-10.35	3	Vertical	332	1.61
2427MHz	Pass	PK	2.4322G	102.66	Inf	-Inf	3	Vertical	332	1.61
2427MHz	Pass	PK	2.4982G	57.50	74.00	-16.50	3	Vertical	332	1.61
2427MHz	Pass	AV	2.389G	53.67	54.00	-0.33	3	Horizontal	209	1.50
2427MHz	Pass	AV	2.4246G	98.86	Inf	-Inf	3	Horizontal	209	1.50
2427MHz	Pass	AV	2.4838G	47.80	54.00	-6.20	3	Horizontal	209	1.50
2427MHz	Pass	PK	2.3898G	73.00	74.00	-1.00	3	Horizontal	209	1.50
2427MHz	Pass	PK	2.4338G	108.97	Inf	-Inf	3	Horizontal	209	1.50
2427MHz	Pass	PK	2.4835G	61.44	74.00	-12.56	3	Horizontal	209	1.50
2437MHz	Pass	AV	2.3898G	48.06	54.00	-5.94	3	Vertical	337	1.42
2437MHz	Pass	AV	2.4354G	94.19	Inf	-Inf	3	Vertical	337	1.42
2437MHz	Pass	AV	2.4835G	47.74	54.00	-6.26	3	Vertical	337	1.42
2437MHz	Pass	PK	2.3898G	60.94	74.00	-13.06	3	Vertical	337	1.42
2437MHz	Pass	PK	2.4354G	104.34	Inf	-Inf	3	Vertical	337	1.42
2437MHz	Pass	PK	2.4838G	64.74	74.00	-9.26	3	Vertical	337	1.42
2437MHz	Pass	AV	2.3894G	53.71	54.00	-0.29	3	Horizontal	212	1.48
2437MHz	Pass	AV	2.435G	99.98	Inf	-Inf	3	Horizontal	212	1.48
2437MHz	Pass	AV	2.4835G	53.70	54.00	-0.30	3	Horizontal	212	1.48
2437MHz	Pass	PK	2.3882G	68.38	74.00	-5.62	3	Horizontal	212	1.48
2437MHz	Pass	PK	2.431G	110.54	Inf	-Inf	3	Horizontal	212	1.48
2437MHz	Pass	PK	2.4862G	70.50	74.00	-3.50	3	Horizontal	212	1.48
2437MHz	Pass	AV	4.87404G	35.86	54.00	-18.14	3	Vertical	117	2.62
2437MHz	Pass	AV	7.31748G	36.98	54.00	-17.02	3	Vertical	106	1.85
2437MHz	Pass	PK	4.8742G	47.27	74.00	-26.73	3	Vertical	117	2.62
2437MHz	Pass	PK	7.3014G	50.11	74.00	-23.89	3	Vertical	106	1.85
2437MHz	Pass	AV	4.87092G	32.75	54.00	-21.25	3	Horizontal	5	2.01
2437MHz	Pass	AV	7.30288G	35.71	54.00	-18.29	3	Horizontal	188	1.60
2437MHz	Pass	PK	4.87536G	46.13	74.00	-27.87	3	Horizontal	5	2.01
2437MHz	Pass	PK	7.30832G	50.16	74.00	-23.84	3	Horizontal	188	1.60
2447MHz	Pass	AV	2.389G	44.87	54.00	-9.13	3	Vertical	335	1.43
2447MHz	Pass	AV	2.4438G	91.47	Inf	-Inf	3	Vertical	335	1.43
2447MHz	Pass	AV	2.4835G	47.69	54.00	-6.31	3	Vertical	335	1.43

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2447MHz	Pass	PK	2.3882G	58.46	74.00	-15.54	3	Vertical	335	1.43
2447MHz	Pass	PK	2.4406G	101.70	Inf	-Inf	3	Vertical	335	1.43
2447MHz	Pass	PK	2.4842G	62.63	74.00	-11.37	3	Vertical	335	1.43
2447MHz	Pass	AV	2.3898G	47.66	54.00	-6.34	3	Horizontal	213	1.41
2447MHz	Pass	AV	2.4498G	98.11	Inf	-Inf	3	Horizontal	213	1.41
2447MHz	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Horizontal	213	1.41
2447MHz	Pass	PK	2.389G	59.95	74.00	-14.05	3	Horizontal	213	1.41
2447MHz	Pass	PK	2.4486G	108.64	Inf	-Inf	3	Horizontal	213	1.41
2447MHz	Pass	PK	2.4846G	72.12	74.00	-1.88	3	Horizontal	213	1.41
2452MHz	Pass	AV	2.39G	44.46	54.00	-9.54	3	Vertical	336	1.50
2452MHz	Pass	AV	2.448G	90.31	Inf	-Inf	3	Vertical	336	1.50
2452MHz	Pass	AV	2.4835G	47.48	54.00	-6.52	3	Vertical	336	1.50
2452MHz	Pass	PK	2.3864G	56.77	74.00	-17.23	3	Vertical	336	1.50
2452MHz	Pass	PK	2.4464G	100.82	Inf	-Inf	3	Vertical	336	1.50
2452MHz	Pass	PK	2.486G	62.42	74.00	-11.58	3	Vertical	336	1.50
2452MHz	Pass	AV	2.39G	46.38	54.00	-7.62	3	Horizontal	210	1.45
2452MHz	Pass	AV	2.4488G	97.47	Inf	-Inf	3	Horizontal	210	1.45
2452MHz	Pass	AV	2.484G	53.88	54.00	-0.12	3	Horizontal	210	1.45
2452MHz	Pass	PK	2.3872G	59.55	74.00	-14.45	3	Horizontal	210	1.45
2452MHz	Pass	PK	2.4552G	107.81	Inf	-Inf	3	Horizontal	210	1.45
2452MHz	Pass	PK	2.4835G	69.26	74.00	-4.74	3	Horizontal	210	1.45
2452MHz	Pass	AV	4.904G	36.06	54.00	-17.94	3	Vertical	128	2.61
2452MHz	Pass	AV	7.35084G	34.86	54.00	-19.14	3	Vertical	163	1.27
2452MHz	Pass	PK	4.90392G	47.85	74.00	-26.15	3	Vertical	128	2.61
2452MHz	Pass	PK	7.34656G	48.35	74.00	-25.65	3	Vertical	163	1.27
2452MHz	Pass	AV	4.90408G	31.63	54.00	-22.37	3	Horizontal	360	1.33
2452MHz	Pass	AV	7.35268G	34.54	54.00	-19.46	3	Horizontal	187	1.32
2452MHz	Pass	PK	4.89912G	44.93	74.00	-29.07	3	Horizontal	360	1.33
2452MHz	Pass	PK	7.34984G	47.78	74.00	-26.22	3	Horizontal	187	1.32

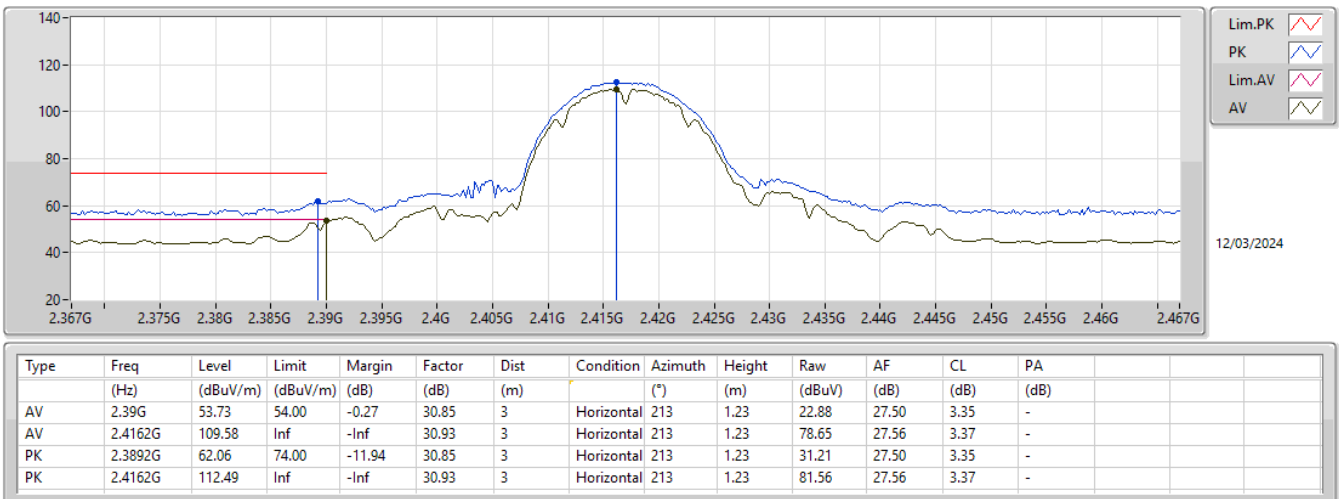
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2417MHz_TX



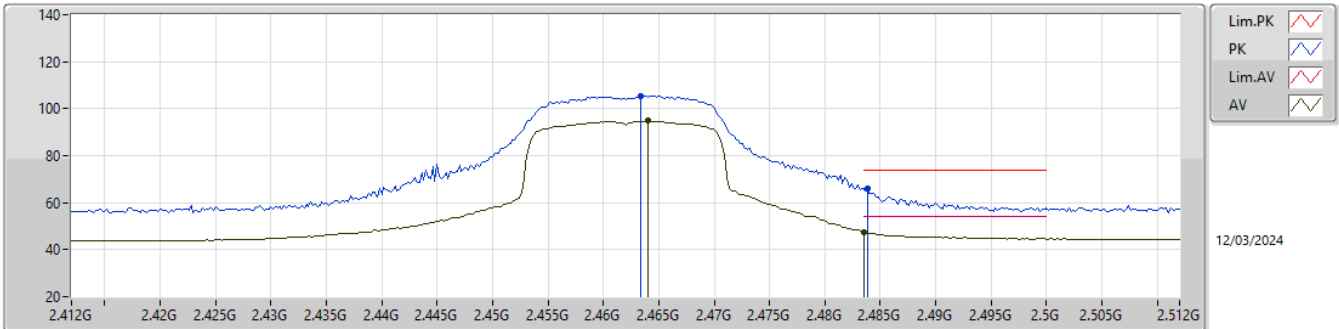
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2417MHz_TX



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

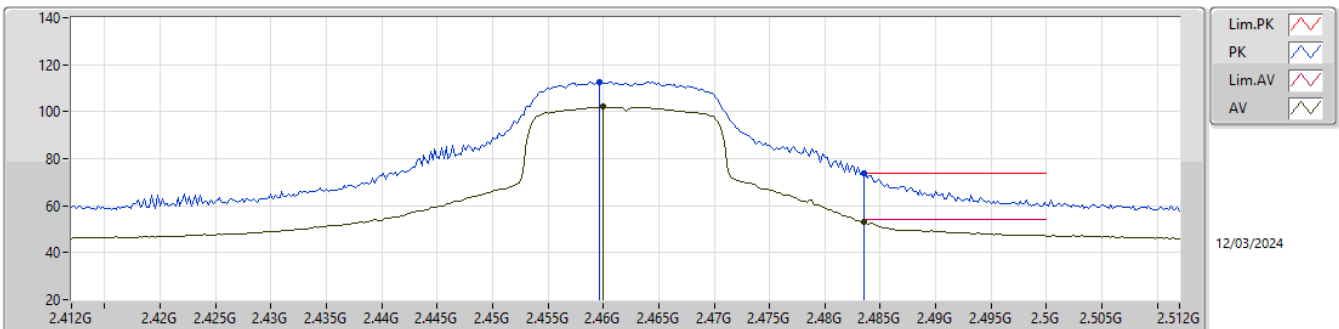
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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.464G	94.81	Inf	-Inf	31.21	3	Vertical	326	1.09	63.60	27.80	3.41	-
AV	2.4835G	47.52	54.00	-6.48	31.37	3	Vertical	326	1.09	16.15	27.94	3.43	-
PK	2.4634G	105.55	Inf	-Inf	31.21	3	Vertical	326	1.09	74.34	27.80	3.41	-
PK	2.4838G	65.90	74.00	-8.10	31.37	3	Vertical	326	1.09	34.53	27.94	3.43	-

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

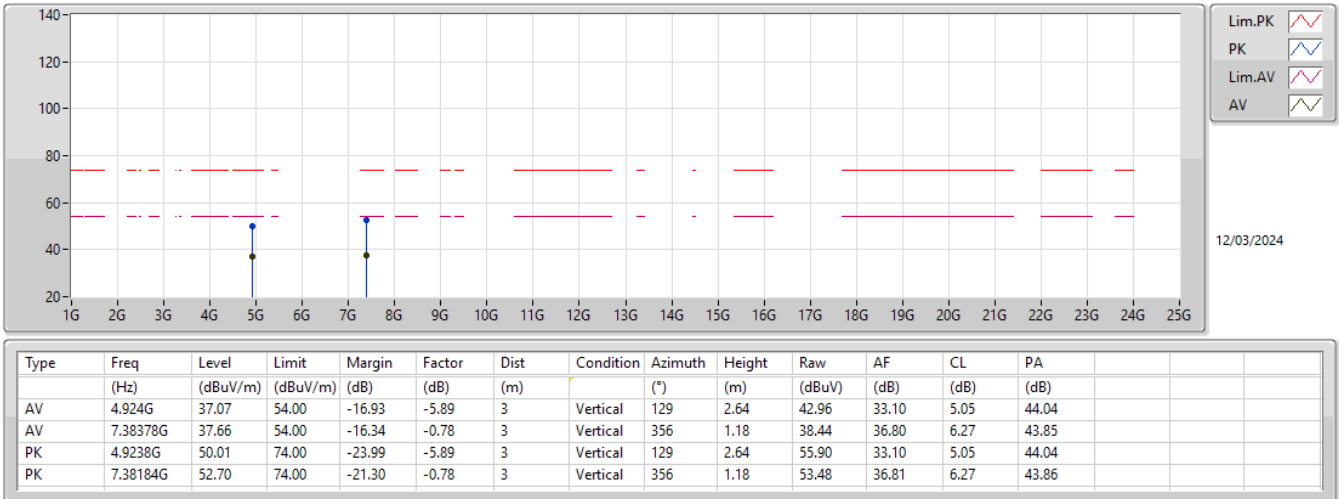
2462MHz_TX



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	2.46G	102.00	Inf	-Inf	31.21	3	Horizontal	210	1.40	70.79	27.80	3.41	-
AV	2.4835G	53.26	54.00	-0.74	31.37	3	Horizontal	210	1.40	21.89	27.94	3.43	-
PK	2.4596G	112.65	Inf	-Inf	31.21	3	Horizontal	210	1.40	81.44	27.80	3.41	-
PK	2.4835G	73.85	74.00	-0.15	31.37	3	Horizontal	210	1.40	42.48	27.94	3.43	-

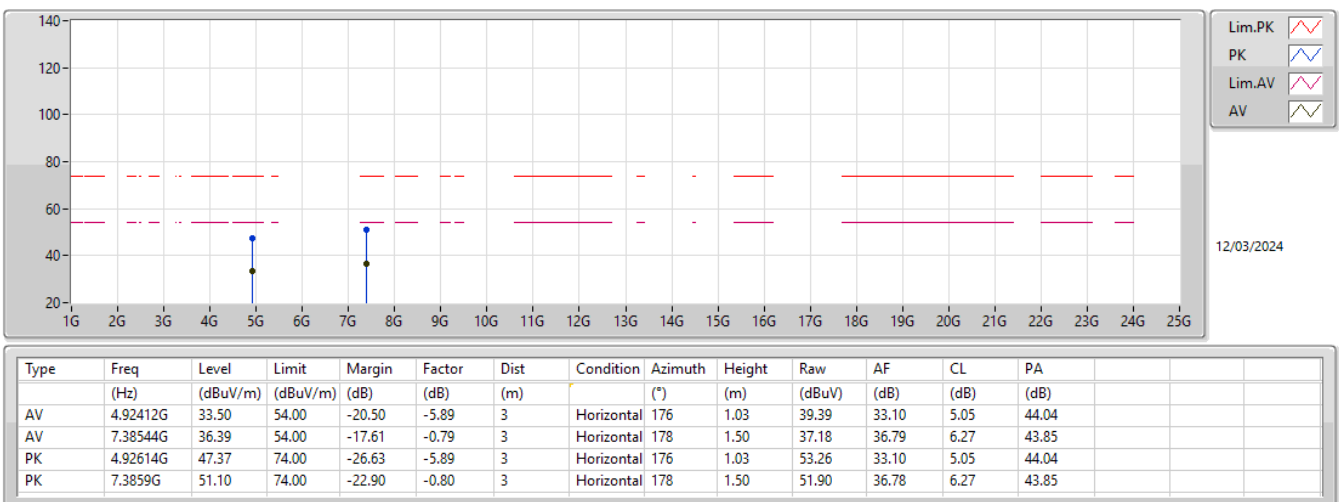
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



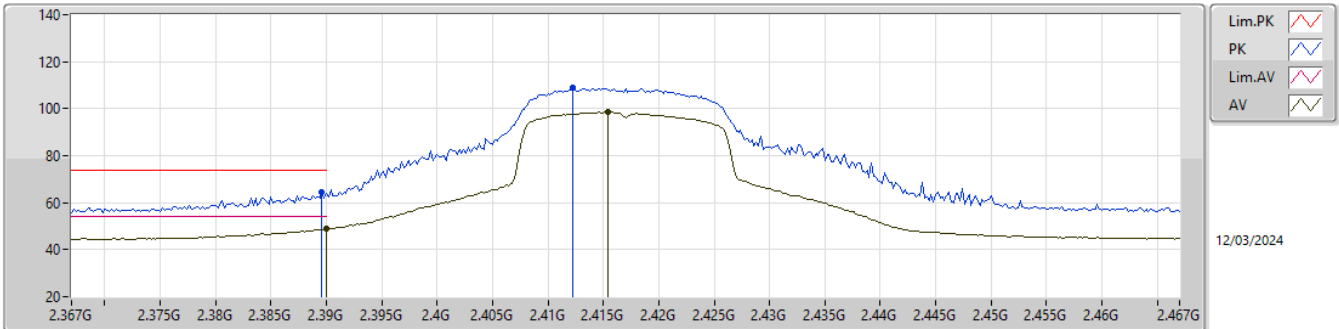
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

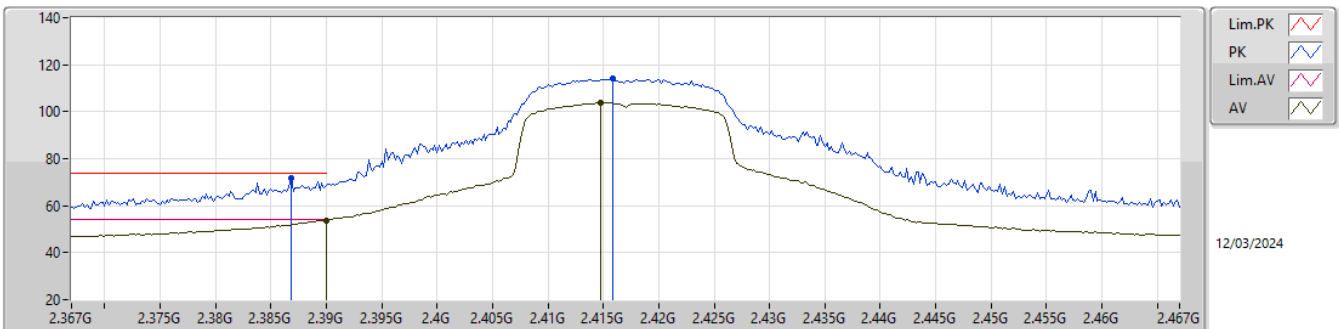
2417MHz_TX



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	49.10	54.00	-4.90	30.85	3	Vertical	352	2.05	18.25	27.50	3.35	-
AV	2.4154G	98.44	Inf	-Inf	30.92	3	Vertical	352	2.05	67.52	27.55	3.37	-
PK	2.3896G	64.50	74.00	-9.50	30.85	3	Vertical	352	2.05	33.65	27.50	3.35	-
PK	2.4122G	109.04	Inf	-Inf	30.89	3	Vertical	352	2.05	78.15	27.52	3.37	-

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

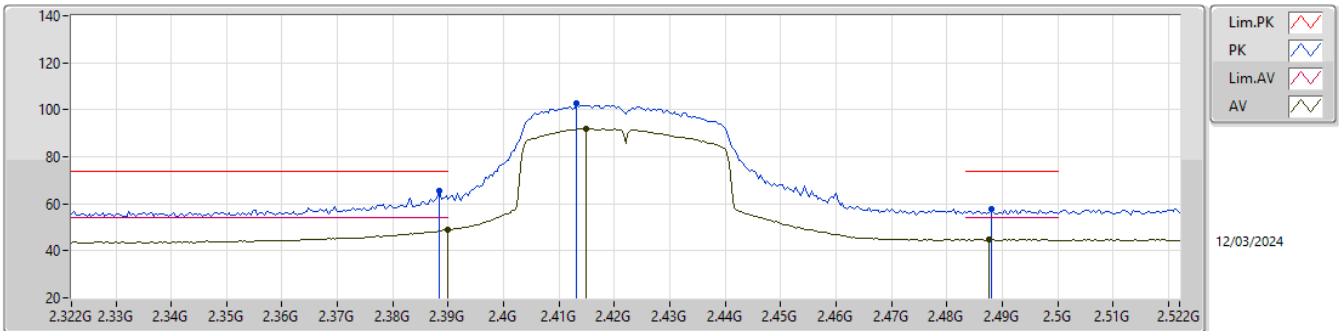
2417MHz_TX



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	53.82	54.00	-0.18	30.85	3	Horizontal	213	1.21	22.97	27.50	3.35	-
AV	2.4148G	103.70	Inf	-Inf	30.92	3	Horizontal	213	1.21	72.78	27.55	3.37	-
PK	2.3868G	71.81	74.00	-2.19	30.85	3	Horizontal	213	1.21	40.96	27.50	3.35	-
PK	2.4158G	114.03	Inf	-Inf	30.93	3	Horizontal	213	1.21	83.10	27.56	3.37	-

2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

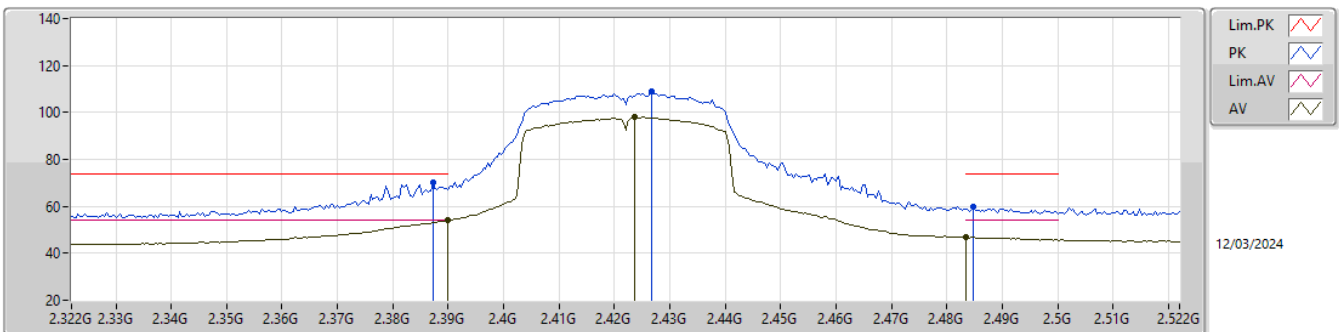
2422MHz_TX



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	49.07	54.00	-4.93	30.85	3	Vertical	334	2.05	18.22	27.50	3.35	-
AV	2.4148G	91.85	Inf	-Inf	30.92	3	Vertical	334	2.05	60.93	27.55	3.37	-
AV	2.4876G	44.88	54.00	-9.12	31.41	3	Vertical	334	2.05	13.47	27.98	3.43	-
PK	2.3884G	65.43	74.00	-8.57	30.85	3	Vertical	334	2.05	34.58	27.50	3.35	-
PK	2.4132G	102.77	Inf	-Inf	30.90	3	Vertical	334	2.05	71.87	27.53	3.37	-
PK	2.488G	57.71	74.00	-16.29	31.41	3	Vertical	334	2.05	26.30	27.98	3.43	-

2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

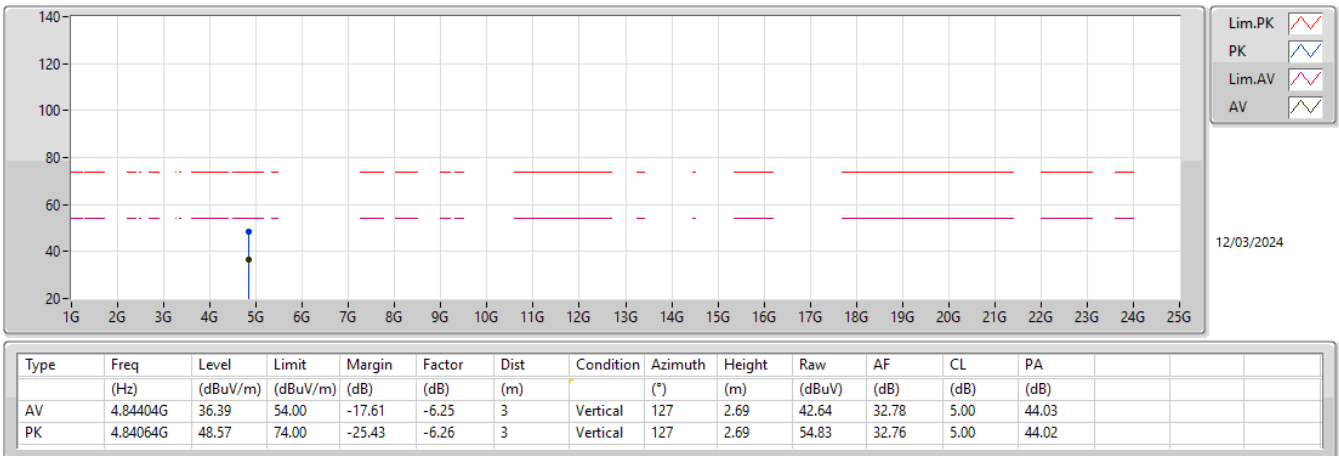
2422MHz_TX



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	53.91	54.00	-0.09	30.85	3	Horizontal	210	1.50	23.06	27.50	3.35	-
AV	2.4236G	98.04	Inf	-Inf	31.02	3	Horizontal	210	1.50	67.02	27.64	3.38	-
AV	2.4835G	46.87	54.00	-7.13	31.37	3	Horizontal	210	1.50	15.50	27.94	3.43	-
PK	2.3872G	70.36	74.00	-3.64	30.85	3	Horizontal	210	1.50	39.51	27.50	3.35	-
PK	2.4268G	108.79	Inf	-Inf	31.05	3	Horizontal	210	1.50	77.74	27.67	3.38	-
PK	2.4848G	59.65	74.00	-14.35	31.38	3	Horizontal	210	1.50	28.27	27.95	3.43	-

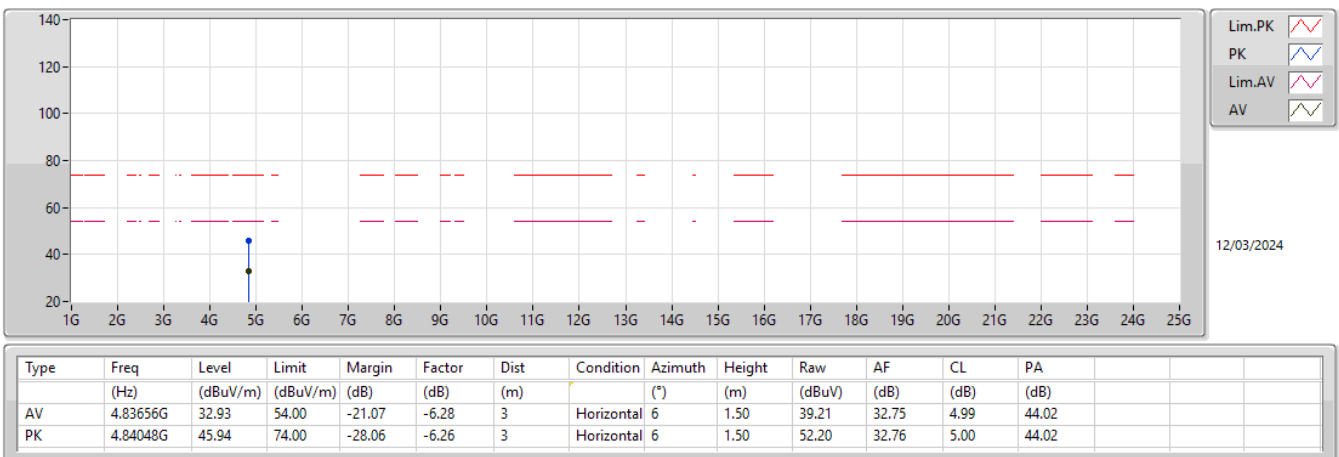
2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX



2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX





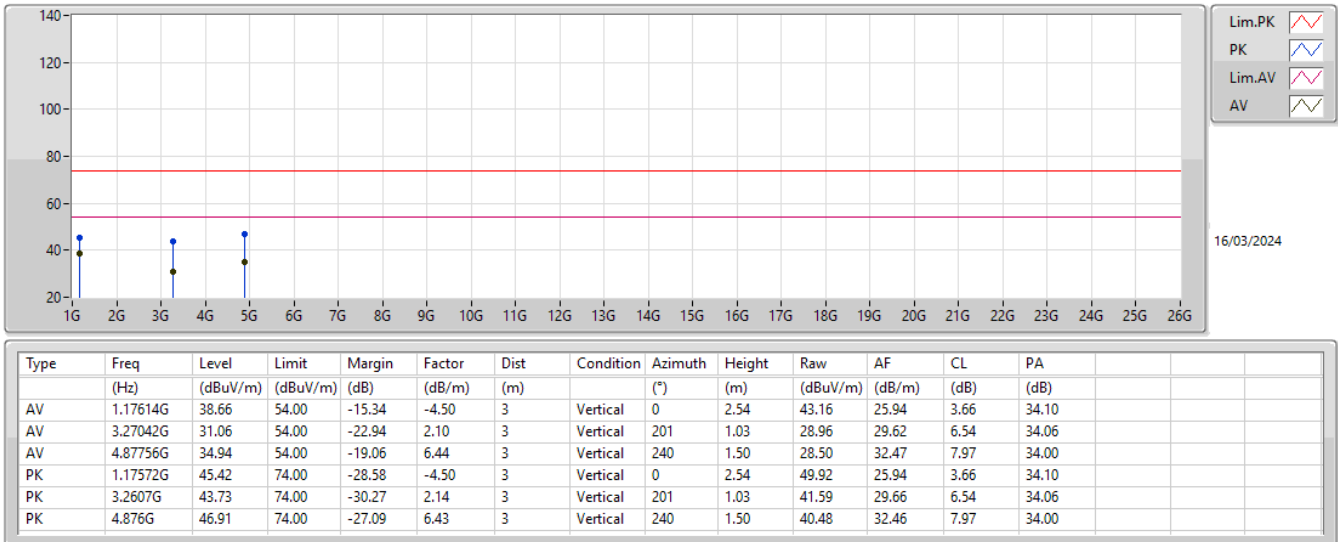
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.17615G	39.66	54.00	-14.34	Horizontal
Mode 2	Pass	AV	1.17617G	40.11	54.00	-13.89	Horizontal

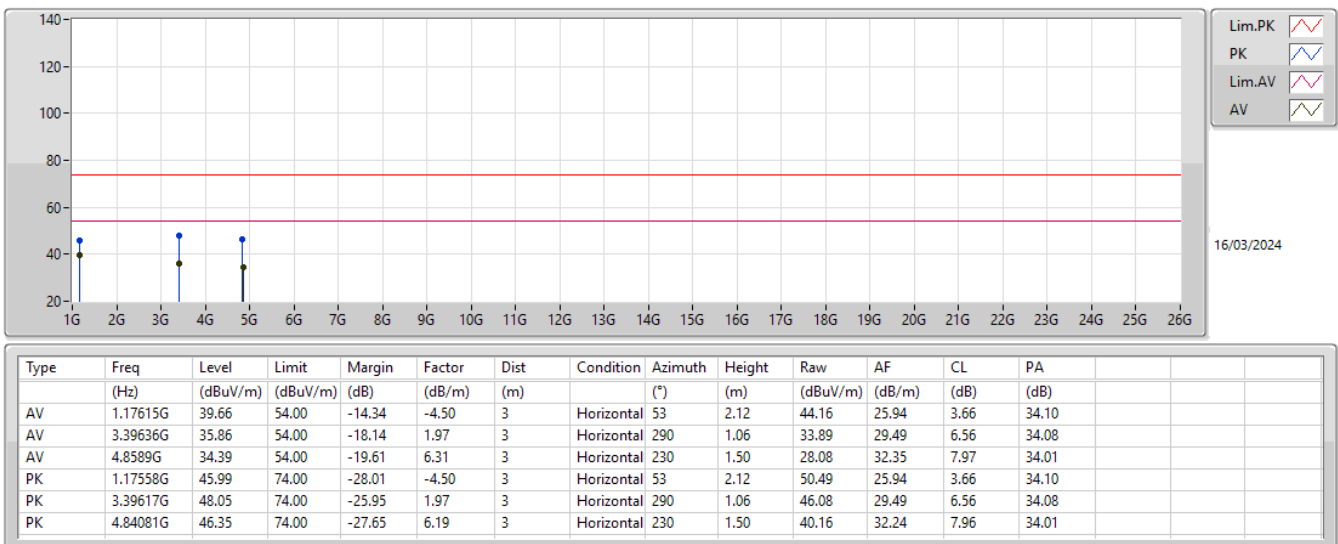
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.17614G	38.66	54.00	-15.34	3	Vertical	0	2.54
Mode 1	Pass	AV	3.27042G	31.06	54.00	-22.94	3	Vertical	201	1.03
Mode 1	Pass	AV	4.87756G	34.94	54.00	-19.06	3	Vertical	240	1.50
Mode 1	Pass	PK	1.17572G	45.42	74.00	-28.58	3	Vertical	0	2.54
Mode 1	Pass	PK	3.2607G	43.73	74.00	-30.27	3	Vertical	201	1.03
Mode 1	Pass	PK	4.876G	46.91	74.00	-27.09	3	Vertical	240	1.50
Mode 1	Pass	AV	1.17615G	39.66	54.00	-14.34	3	Horizontal	53	2.12
Mode 1	Pass	AV	3.39636G	35.86	54.00	-18.14	3	Horizontal	290	1.06
Mode 1	Pass	AV	4.8589G	34.39	54.00	-19.61	3	Horizontal	230	1.50
Mode 1	Pass	PK	1.17558G	45.99	74.00	-28.01	3	Horizontal	53	2.12
Mode 1	Pass	PK	3.39617G	48.05	74.00	-25.95	3	Horizontal	290	1.06
Mode 1	Pass	PK	4.84081G	46.35	74.00	-27.65	3	Horizontal	230	1.50
Mode 2	Pass	AV	1.17613G	38.36	54.00	-15.64	3	Vertical	137	2.53
Mode 2	Pass	AV	1.92859G	26.86	68.20	-41.34	3	Vertical	88	1.43
Mode 2	Pass	AV	4.83718G	33.88	54.00	-20.12	3	Vertical	276	1.50
Mode 2	Pass	PK	1.17594G	45.21	74.00	-28.79	3	Vertical	137	2.53
Mode 2	Pass	PK	1.93842G	38.28	68.20	-29.92	3	Vertical	88	1.43
Mode 2	Pass	PK	4.8354G	46.03	74.00	-27.97	3	Vertical	276	1.50
Mode 2	Pass	AV	1.17617G	40.11	54.00	-13.89	3	Horizontal	55	2.14
Mode 2	Pass	AV	1.62508G	25.96	54.00	-28.04	3	Horizontal	16	2.75
Mode 2	Pass	AV	3.47355G	30.16	68.20	-38.04	3	Horizontal	148	2.64
Mode 2	Pass	PK	1.17599G	46.54	74.00	-27.46	3	Horizontal	55	2.14
Mode 2	Pass	PK	1.62508G	37.11	74.00	-36.89	3	Horizontal	16	2.75
Mode 2	Pass	PK	3.47376G	41.83	68.20	-26.37	3	Horizontal	148	2.64

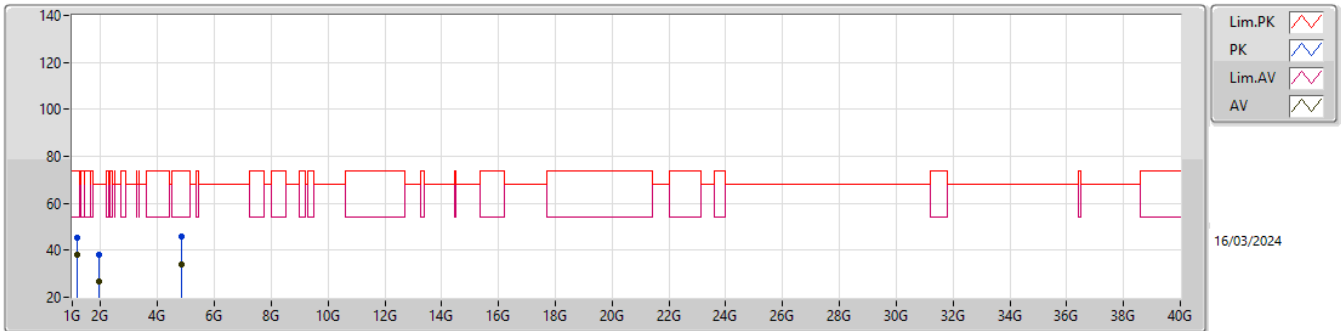
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

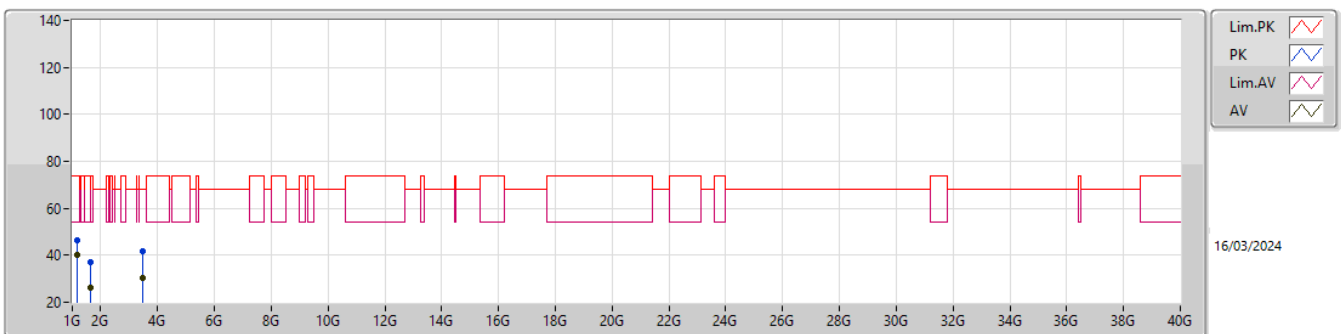


Radiated Emissions above 1GHz_Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)				
AV	1.17613G	38.36	54.00	-15.64	-4.50	3	Vertical	137	2.53	42.86	25.94	3.66	34.10				
AV	1.92859G	26.86	68.20	-41.34	-2.95	3	Vertical	88	1.43	29.81	25.97	4.73	33.65				
AV	4.83718G	33.88	54.00	-20.12	6.17	3	Vertical	276	1.50	27.71	32.22	7.96	34.01				
PK	1.17594G	45.21	74.00	-28.79	-4.50	3	Vertical	137	2.53	49.71	25.94	3.66	34.10				
PK	1.93842G	38.28	68.20	-29.92	-2.82	3	Vertical	88	1.43	41.10	26.08	4.75	33.65				
PK	4.8354G	46.03	74.00	-27.97	6.16	3	Vertical	276	1.50	39.87	32.21	7.96	34.01				

Radiated Emissions above 1GHz_Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)				
AV	1.17617G	40.11	54.00	-13.89	-4.50	3	Horizontal	55	2.14	44.61	25.94	3.66	34.10				
AV	1.62508G	25.96	54.00	-28.04	-4.04	3	Horizontal	16	2.75	30.00	25.35	4.25	33.64				
AV	3.47355G	30.16	68.20	-38.04	1.98	3	Horizontal	148	2.64	28.18	29.40	6.67	34.09				
PK	1.17599G	46.54	74.00	-27.46	-4.50	3	Horizontal	55	2.14	51.04	25.94	3.66	34.10				
PK	1.62508G	37.11	74.00	-36.89	-4.04	3	Horizontal	16	2.75	41.15	25.35	4.25	33.64				
PK	3.47376G	41.83	68.20	-26.37	1.98	3	Horizontal	148	2.64	39.85	29.40	6.67	34.09				