Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	2ACIX-AIOS9
Equipment	:	wireless module
Brand Name	:	Bowers & Wilkins
Model Name	:	AIOS 9.0
Applicant	:	B&W Group Ltd. Dale Road, Worthing, West Sussex BN11 2BH, United Kingdom
Manufacturer	:	B&W Group Ltd. Dale Road, Worthing, West Sussex BN11 2BH, United Kingdom
Standard	:	47 CFR FCC Part 15.407

The product was received on Oct. 24, 2024, and testing was started from Nov. 20, 2024 and completed on Jul. 15, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR4O2328AD	01	Initial issue of report	Mar. 18, 2025
FR4O2328AD	02	1. Updating the EUT version to “R01” from “R0” 2. Changing the exterior of Set 2, Ant. 1 3. Adding the second source of eMMC, defining it as EUT 2, and performing the related test items 4. Updating the Photographs of EUT	Aug. 13, 2025

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	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen
Report Producer: Sophia Shiung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20)	5180-5240	36-48 [4]
5150-5250	n (HT40)	5190-5230	38-46 [2]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

<Set 1>

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	BT	WLAN 2.4/6GHz	WLAN 5GHz					
1	1	-	-	Radtenna Ltd.	ZZ40924	Dipole	IPEX	Note 1
2	-	1	-		ZZ44806			
3	-	2	-		ZZ44814			
4	-	-	2		ZZ44822			
5	-	-	1		ZZ44830			

Note 1:

Ant.	Max Peak Gain (dBi)				Cable Loss (dB)				Net Gain (dBi)			
	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
1	2.2	-	-	-	0.9	-	-	-	1.3	-	-	-
2	-	2.3	-	3	-	0.6	-	1	-	1.7	-	2
3	-	2.1	-	2.4	-	0.8	-	1.3	-	1.3	-	1.1
4	-	-	1.4	-	-	-	0.9	-	-	-	0.5	-
5	-	-	2.1	-	-	-	1	-	-	-	1.1	-

<Set 2>

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	BT	WLAN 2.4/6GHz	WLAN 5GHz					
1	1	-	-	Radtenna Ltd.	ZZ45640	Slot	IPEX	Note 2
2	-	1	-		ZZ45659	Dipole		
3	-	2	-		ZZ45667			
4	-	-	2		ZZ45675			
5	-	-	1		ZZ45683			

Note 2:

Ant.	Max Peak Gain (dBi)				Cable Loss (dB)				Net Gain (dBi)			
	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
1	1.8	-	-	-	0.4	-	-	-	1.4	-	-	-
2	-	2.3	-	3	-	0.3	-	0.4	-	2	-	2.6
3	-	2.1	-	2.4	-	0.3	-	0.4	-	1.8	-	2
4	-	-	1.4	-	-	-	0.6	-	-	-	0.8	-
5	-	-	1.4	-	-	-	0.4	-	-	-	1	-

<Set 3>

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Cable	Gain (dBi)
	BT	WLAN 2.4/6GHz	WLAN 5GHz						
1	1	-	-	Radtenna Ltd.	ZZ44563	Dipole	IPEX	Note 3	Note 4
2	-	1	-		ZZ44571				
3	-	2	-		ZZ44598				
4	-	-	2		ZZ44601				
5	-	-	1		ZZ44601				

Note 3: The antennas in Set 3 do not originally contain cable. The information of antenna cables combined with them are listed below:

Combined Ant.	Brand Name	Model Name
1	ShenYu	ZX38008
2		ZX38016
3		ZX38024
4		ZX38032
5		ZX38040

Note 4:

Ant.	Max Peak Gain (dBi)				Cable Loss (dB)				Net Gain (dBi)			
	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
1	2.9	-	-	-	1.79	-	-	-	1.11	-	-	-
2	-	2.4	-	3.9	-	0.62	-	1.1	-	1.78	-	2.8
3	-	1.4	-	3.6	-	1.26	-	2.22	-	0.14	-	1.38
4	-	-	2	-	-	-	1.22	-	-	-	0.78	-
5	-	-	2	-	-	-	2.12	-	-	-	-0.12	-

Note 5: The above information was declared by manufacturer.

Note 6: Directional gain information

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

Ex.

Directional Gain (NSS1) formula : $Directiona\ lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

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

gj,k =$(Nss1(g1,1) + Nss1(g1,2))^2$

DG = 10 log[$(Nss1(g1,1) + Nss1(g1,2))^2$ / N_{ANT}] => 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / N_{ANT}]

Where ;

2.4G G1 = 2 dBi; G2 = 1.8 dBi; DG = 4.91 dBi

5G G1 = 1 dBi; G2 = 0.8 dBi; DG = 3.91 dBi
6G G1 = 2.6 dBi; G2 = 2 dBi; DG = 5.32 dBi

Note 7: The EUT has three sets of antenna and there are five antennas for each set.
For RF Conducted tests:
For PSD, only antenna sets listed below with the highest gain among all antenna sets were selected to test:
For 2.4GHz/6GHz: Set 2, Ant. 2~3.
For 5GHz: Set 2, Ant. 4~5.
For Bluetooth: Set 2, Ant. 1.
For Output Power, only antennas listed below with the highest peak gain were selected to test:
For 2.4GHz: Set 2, Ant. 2.
For 5GHz: Set 1, Ant. 5.
For 6GHz: Set 3, Ant. 2.
For Bluetooth: Set 2, Ant. 1.
For Radiated tests, only antennas listed below with higher directional gain than other same type of antennas were selected to test:
For 2.4GHz/6GHz: Set 2, Ant. 2~3.
For 5GHz: Set 2, Ant. 4~5.
For Bluetooth: Set 1, Ant. 1 and Set 2, Ant. 1.

Note 8: **For 2.4GHz function:**
For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11 a/n (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For 6GHz function:
For IEEE 802.11 a/ax (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For Bluetooth function (1TX/1RX):
Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss 1,(M0)	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40_Nss 1,(M0)	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☒	Client
	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Component Source Information

Source	eMMC (Location: U9)
Main	Brand: SAMSUNG / Model: KLM8G1GETF-B041
Second	Brand: KIOXIA / Model: THGBMUG6C1LBAIL

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Information

The EUTs are identical to each other except for differences listed below:

EUT	eMMC (Location: U9)
1	Main source
2	Second source

Note 1: From above EUTs, EUT 1 was selected to test all the test items, and EUT 2 was selected to test Unwanted Emissions < 1GHz.

Note 2: The above information was declared by manufacturer.

1.1.7 Table for EUT Function

Function	Support Type	Support Band
AP	Master	5GHz UNII 1
Station	Client without radar detection	2.4GHz, 5GHz UNII 1, 6GHz UNII 5~8

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01

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

- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Brian Sun	22.6~24.2 / 61~64	Dec. 04, 2024~ Dec. 12, 2024
Radiated < 1GHz (For EUT 1)	03CH04-CB	Gordon Hung	23.3~24.5 / 61~64	Jan. 03, 2025
			22.7~24.1 / 60~63	Jan. 15, 2025
Radiated < 1GHz (For EUT 2)	03CH05-CB	Gordon Hung	21.9~22.4 / 60~62	Jul. 15, 2025
Radiated > 1GHz	03CH02-CB	Black Lu	22~23 / 61~63	Nov. 27, 2024~ Dec. 11, 2024
	03CH03-CB		22.2~22.6 / 59~61	
AC Conduction	CO01-CB	Tim Chen	21~22 / 61~62	Nov. 20, 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 date: Before May 28, 2025

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%

Test date: After May 27, 2025

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
802.11n HT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11n HT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 1 + Ant. Set 1_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	EUT 1 + Ant. Set 1_WLAN 6GHz + WLAN 5GHz + Bluetooth
For operating, mode 1 is the worst case and it was recorded in this test report.	

The Worst Case Mode for Following Conformance Tests		
Tests Item	Emission Bandwidth Maximum Output Power	
Test Condition	Conducted measurement at transmit chains	
Operating Mode	1	EUT 1 + Ant. Set 1_AP mode
	2	EUT 1 + Ant. Set 1_Station mode

The Worst Case Mode for Following Conformance Tests		
Tests Item	Power Spectral Density	
Test Condition	Conducted measurement at transmit chains	
Operating Mode	1	EUT 1 + Ant. Set 2_AP mode
	2	EUT 1 + Ant. Set 2_Station mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
	The EUT was performed at X axis, Y axis and Z axis positions, and the worst case was found at Y axis. Thus, the measurement will follow this same test configuration.
1	EUT 1 in Y axis + Ant. Set 1_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	EUT 1 in Y axis + Ant. Set 1_WLAN 6GHz + WLAN 5GHz + Bluetooth
3	EUT 1 in Y axis + Ant. Set 2_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
4	EUT 1 in Y axis + Ant. Set 2_WLAN 6GHz + WLAN 5GHz + Bluetooth
5	EUT 1 in Y axis + Ant. Set 3_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
6	EUT 1 in Y axis + Ant. Set 3_WLAN 6GHz + WLAN 5GHz + Bluetooth
Mode 2 has been evaluated to be the worst case among Mode 1~6, so the measurement for Mode 7 will follow this same test mode.	
7	EUT 2 in Y axis + Ant. Set 1_WLAN 6GHz + WLAN 5GHz + Bluetooth
For operating, mode 2 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis positions, and the worst cases were found at Z axis. Thus, the measurement will follow this same test configuration.
1	EUT 1 in Z axis + Ant. Set 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	WLAN 6GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA4O2328 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Fixture	MASIMO	AIOS9 test jig	N/A
B	Console NB	DELL	E6430	N/A
C	Device	Swisscom	IP1800	N/A
D	4K TV	PHILIPS	288E2A/96	N/A
E	Router	LINKSYS	MR7500	K7S-03689
F	Router NB	Lenovo	X260	N/A
G	BT Speaker	MI	XMYX02YM	2AJ7PXMYX02YM
H	Flash disk3.0	Transcend	JetFlash-703	N/A
I	Earphone	SHYARO CHI	MIC-04	N/A
J	Mouse	HP	FM100	N/A

For Radiated < 1GHz:

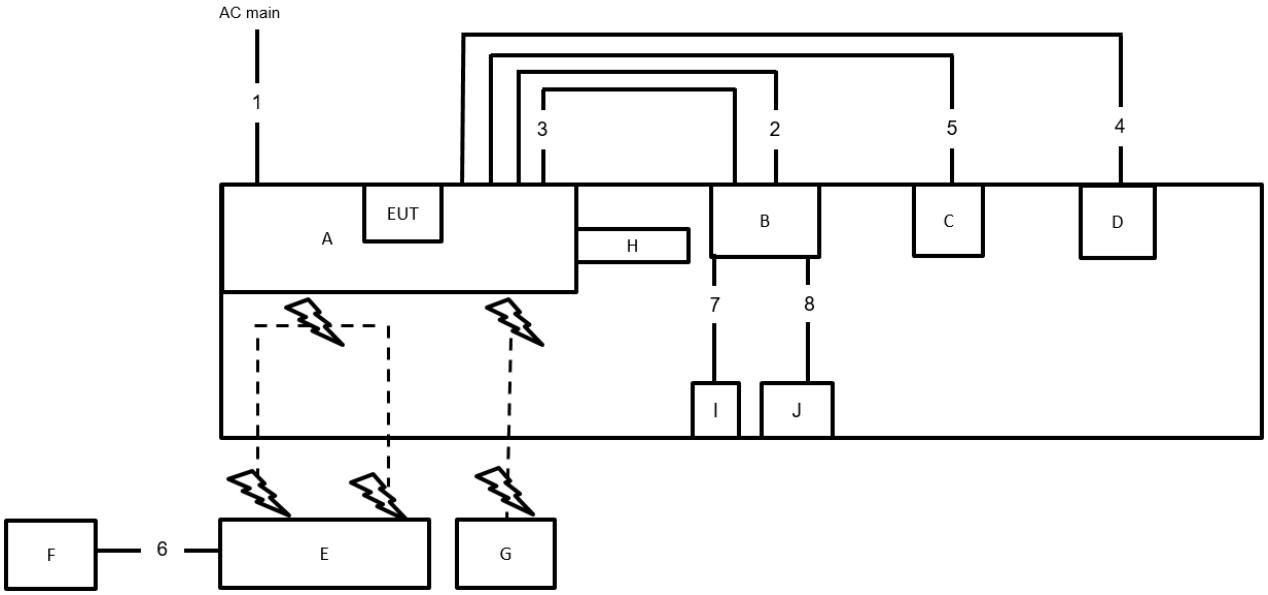
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Fixture	MASIMO	AIOS9 test jig	N/A
B	4K TV	PHILIPS	288E2A/96	N/A
C	Device	Swisscom	IP1800	N/A
D	Console NB	DELL	E6230	N/A
E	Flash disk3.0	Silicon Power	B06	N/A
F	BT Speaker	BSOPI	S8	N/A
G	AP Router	LINKSYS	MR7500	N/A
H	NB	DELL	E4300	N/A
I	Earphone	SHYARO CHI	MIC-04	N/A
J	Mouse	Logitech	M-U0026	N/A

For Radiated > 1GHz and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Fixture	MASIMO	AIOS9 test jig	N/A

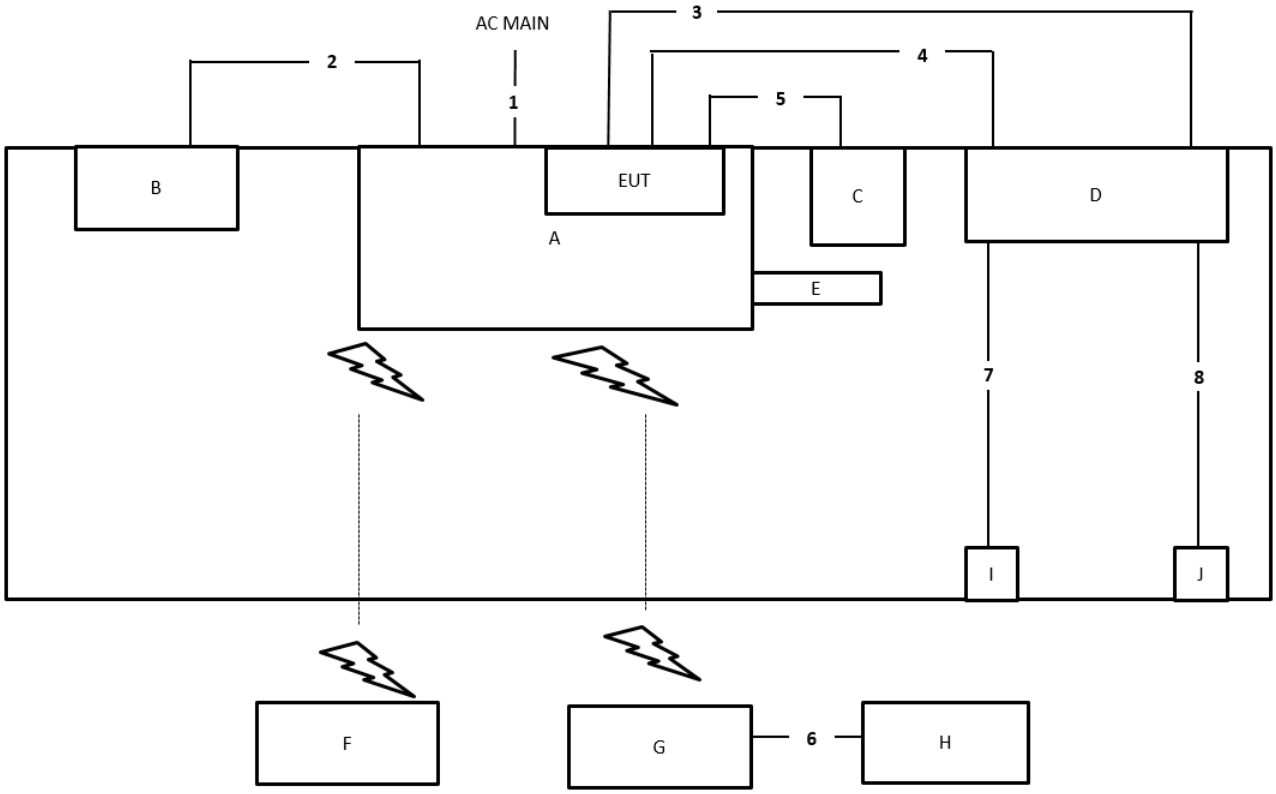
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



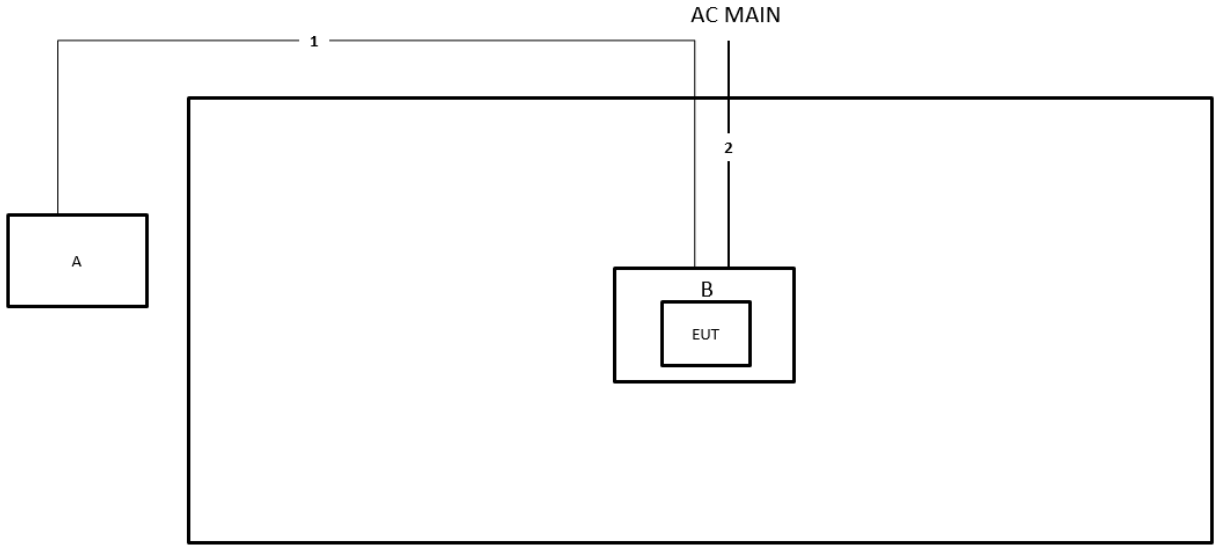
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB cable	Yes	1m
3	RJ-45 cable	No	1m
4	HDMI cable	Yes	1.5m
5	HDMI cable	Yes	1.5m
6	RJ-45 cable	No	1m
7	Audio cable	No	1.5m
8	USB cable	Yes	1.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	HDMI cable	Yes	1m
3	USB cable	Yes	1m
4	RJ-45 cable	No	1m
5	HDMI cable	Yes	1m
6	RJ-45 cable	No	1m
7	Audio cable	No	1.5m
8	USB cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.2m

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

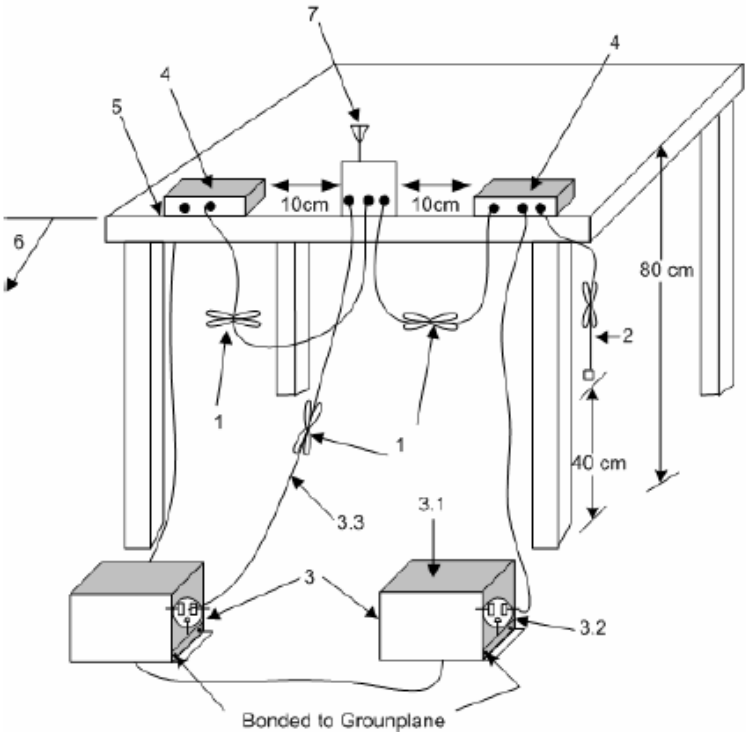
Refer a test equipment and calibration data table in this test report.

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 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

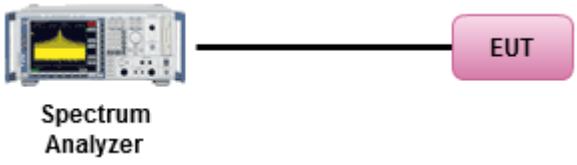
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band:
	▪ For other devices: The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
	▪ Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band:
	▪ For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
	▪ Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = 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	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒	For conducted measurement.
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

Conducted Measurement (Power Meter)

3.3.5 Test Result of Maximum Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

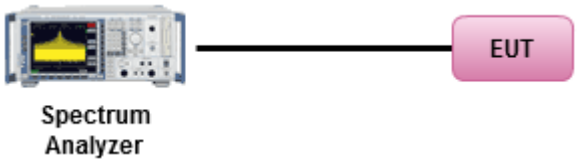
3.4.2 Measuring Instruments

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 shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	[duty cycle ≥ 98% or external video / power trigger]	
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
☒ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☐ For radiated measurement.		
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.	

3.4.4 Test Setup

Conducted Measurement


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Note 1: 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).	

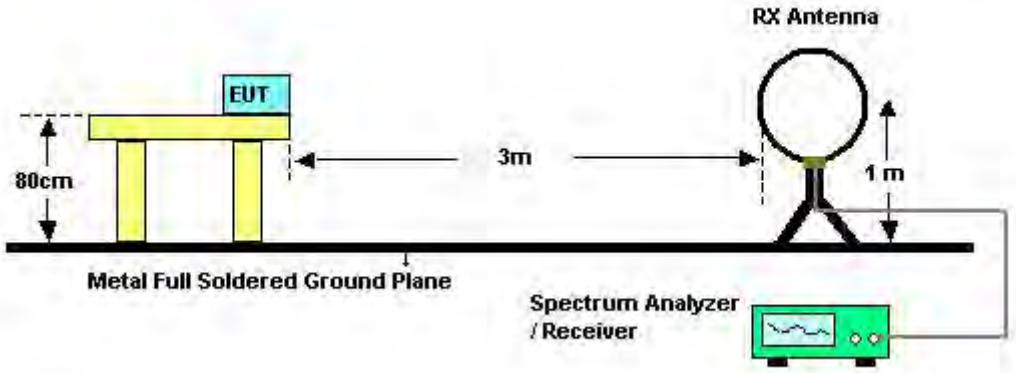
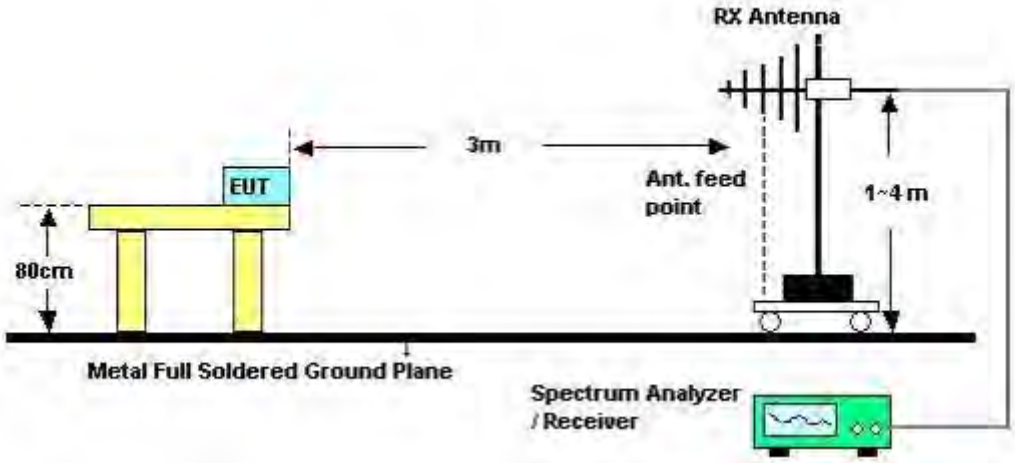
3.5.2 Measuring Instruments

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

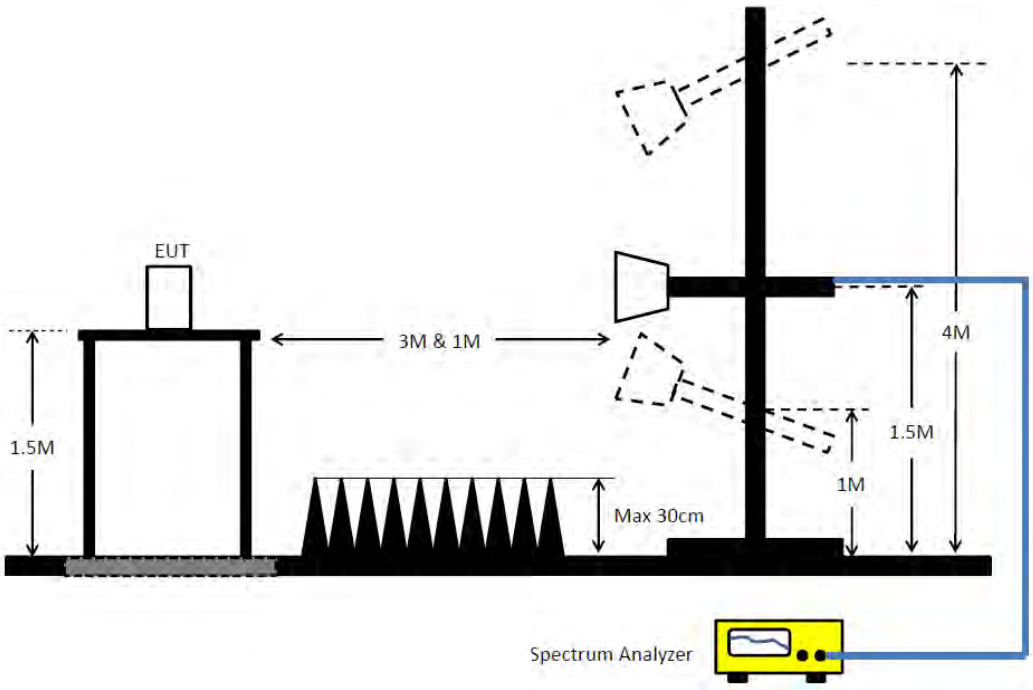
3.5.3 Test Procedures

Test Method		
▪ 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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 Measurement Results Calculation

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30MHz ~ 1GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N0607	30MHz ~ 1GHz	Oct. 05, 2024	Oct. 04, 2025	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 22, 2024	May 21, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz – 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407 _NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 03, 2024	May 02, 2025	Radiation (03CH03-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2024	Jan. 23, 2025	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-15407 _NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15407 _NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

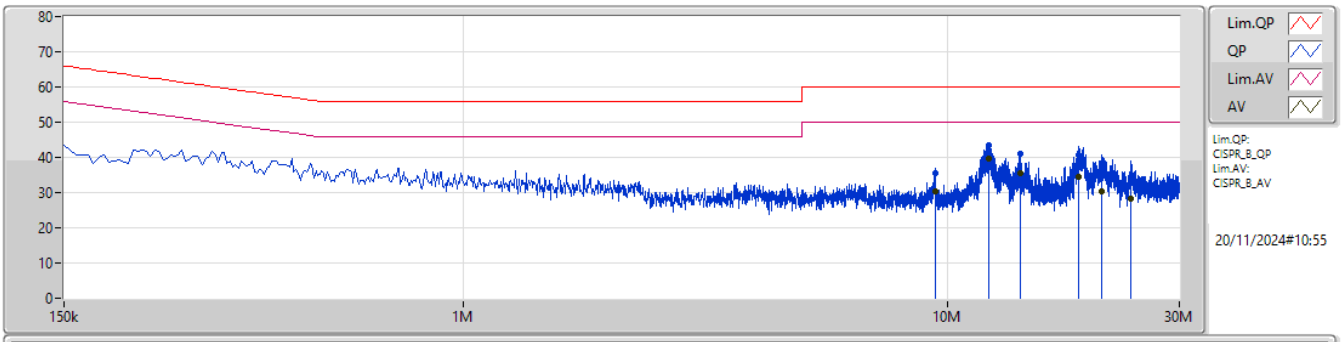
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Summary

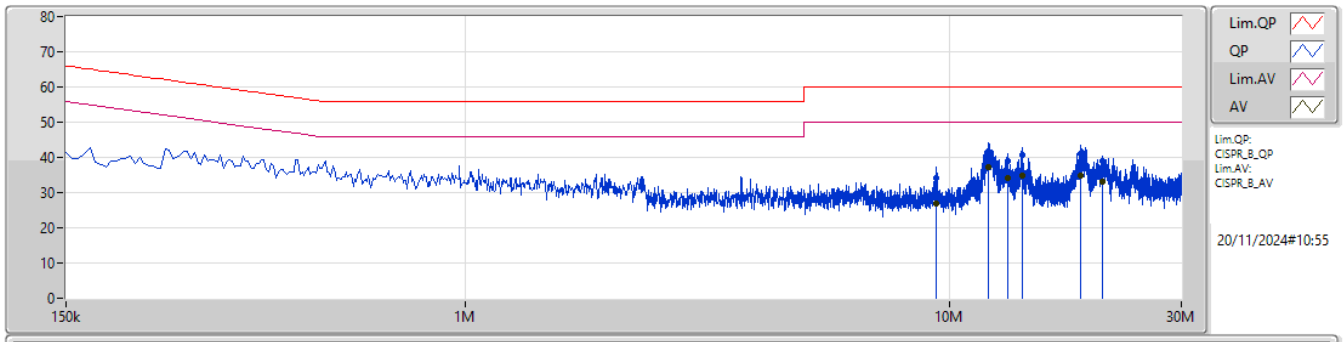
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	12.12M	39.76	50.00	-10.24	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	9.402M	35.39	60.00	-24.61	10.20	Line	-	25.19	0.22	0.15	9.83
AV	9.402M	30.42	50.00	-19.58	10.20	Line	-	20.22	0.22	0.15	9.83
QP	12.12M	43.34	60.00	-16.66	10.30	Line	-	33.04	0.25	0.18	9.87
AV	12.12M	39.76	50.00	-10.24	10.30	Line	"Worst"	29.46	0.25	0.18	9.87
QP	14.078M	41.03	60.00	-18.97	10.38	Line	-	30.65	0.27	0.21	9.90
AV	14.078M	35.51	50.00	-14.49	10.38	Line	-	25.13	0.27	0.21	9.90
QP	18.564M	40.63	60.00	-19.37	10.53	Line	-	30.10	0.30	0.30	9.93
AV	18.564M	34.42	50.00	-15.58	10.53	Line	-	23.89	0.30	0.30	9.93
QP	20.765M	36.27	60.00	-23.73	10.58	Line	-	25.69	0.31	0.33	9.94
AV	20.765M	30.34	50.00	-19.66	10.58	Line	-	19.76	0.31	0.33	9.94
QP	23.852M	34.33	60.00	-25.67	10.59	Line	-	23.74	0.33	0.31	9.95
AV	23.852M	28.23	50.00	-21.77	10.59	Line	-	17.64	0.33	0.31	9.95

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	9.384M	34.18	60.00	-25.82	10.21	Neutral	-	23.97	0.23	0.15	9.83
AV	9.384M	26.86	50.00	-23.14	10.21	Neutral	-	16.65	0.23	0.15	9.83
QP	12.003M	41.82	60.00	-18.18	10.30	Neutral	-	31.52	0.26	0.18	9.86
AV	12.003M	37.41	50.00	-12.59	10.30	Neutral	"Worst"	27.11	0.26	0.18	9.86
QP	13.119M	39.02	60.00	-20.98	10.35	Neutral	-	28.67	0.26	0.20	9.89
AV	13.119M	34.13	50.00	-15.87	10.35	Neutral	-	23.78	0.26	0.20	9.89
QP	14.078M	40.60	60.00	-19.40	10.38	Neutral	-	30.22	0.27	0.21	9.90
AV	14.078M	34.83	50.00	-15.17	10.38	Neutral	-	24.45	0.27	0.21	9.90
QP	18.564M	40.87	60.00	-19.13	10.52	Neutral	-	30.35	0.29	0.30	9.93
AV	18.564M	34.68	50.00	-15.32	10.52	Neutral	-	24.16	0.29	0.30	9.93
QP	20.639M	38.90	60.00	-21.10	10.58	Neutral	-	28.32	0.31	0.33	9.94
AV	20.639M	32.98	50.00	-17.02	10.58	Neutral	-	22.40	0.31	0.33	9.94

Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	36.135M	23.374M	23M4D1D	20.295M	16.47M
802.11n HT20_Nss1,(MCS0)_2TX	38.775M	22.889M	22M9D1D	21.285M	17.616M
802.11n HT40_Nss1,(MCS0)_2TX	71.94M	37.331M	37M3D1D	39.93M	36.082M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

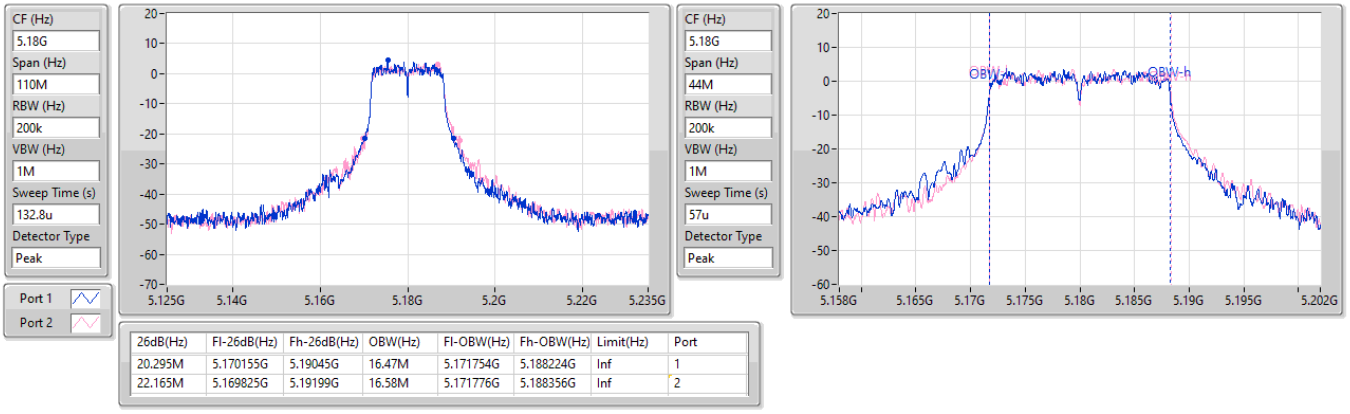
Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.295M	16.47M	22.165M	16.58M
5200MHz	Pass	Inf	34.32M	21.131M	36.135M	23.374M
5240MHz	Pass	Inf	31.955M	17.063M	35.695M	19.02M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.34M	17.616M	21.285M	17.666M
5200MHz	Pass	Inf	32.725M	20.34M	38.775M	22.889M
5240MHz	Pass	Inf	33.33M	17.941M	33.44M	18.566M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.93M	36.082M	42.79M	36.182M
5230MHz	Pass	Inf	56.65M	36.332M	71.94M	37.331M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5180MHz

12/12/2024

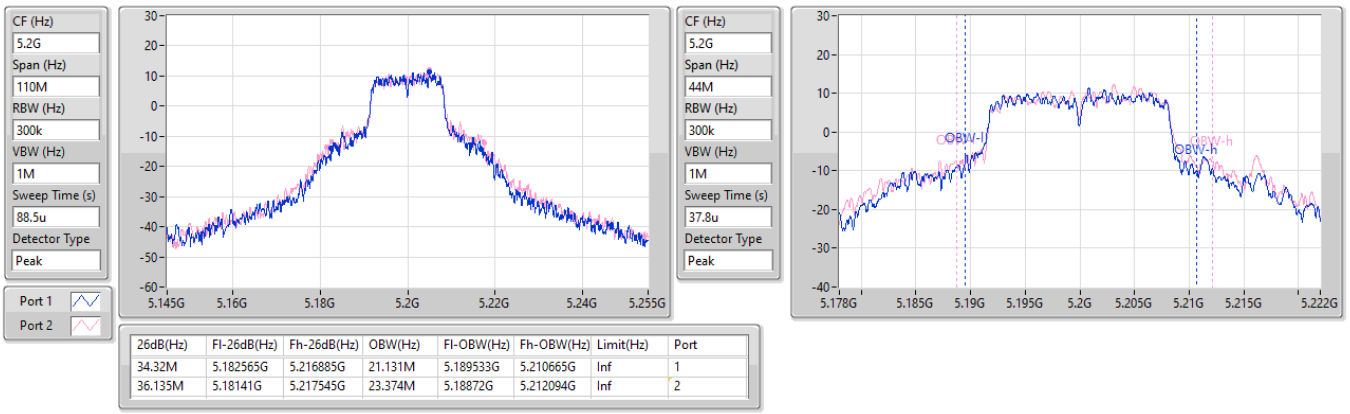


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.295M	5.170155G	5.19045G	16.47M	5.171754G	5.188224G	Inf	1
22.165M	5.169825G	5.19199G	16.58M	5.171776G	5.188356G	Inf	2

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5200MHz

12/12/2024

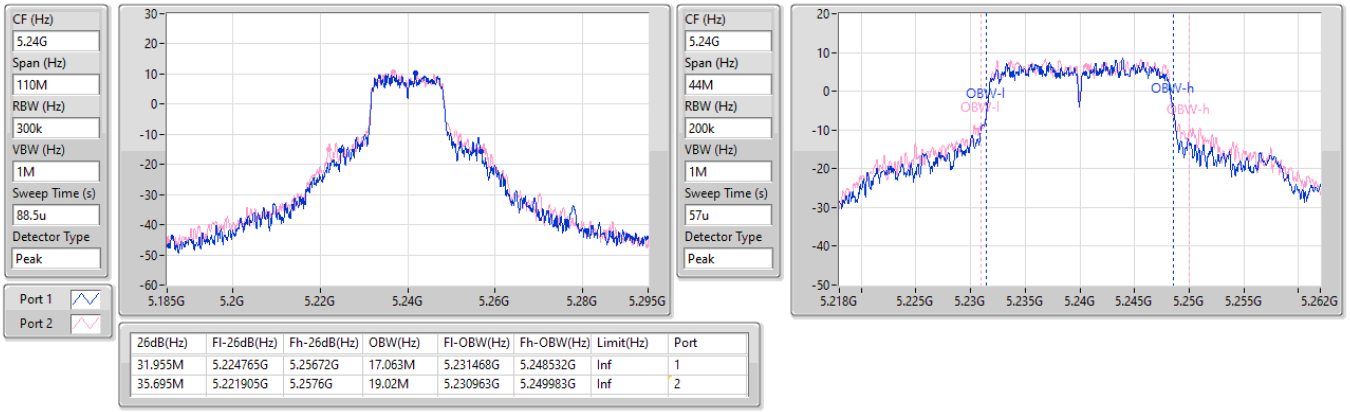


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.32M	5.182565G	5.216885G	21.131M	5.189533G	5.210665G	Inf	1
36.135M	5.18141G	5.217545G	23.374M	5.18872G	5.212094G	Inf	2

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5240MHz

12/12/2024

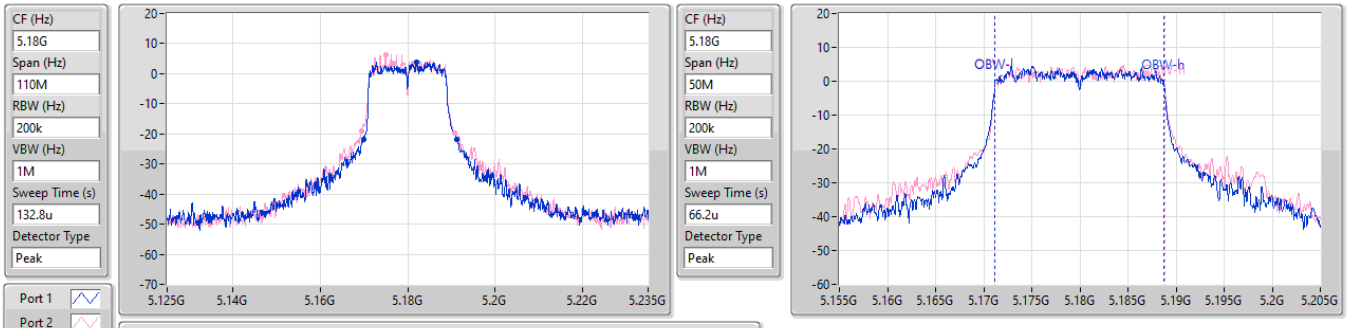


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.955M	5.224765G	5.25672G	17.063M	5.231468G	5.248532G	Inf	1
35.695M	5.221905G	5.2576G	19.02M	5.230963G	5.249983G	Inf	2

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **EBW**

5180MHz

12/12/2024

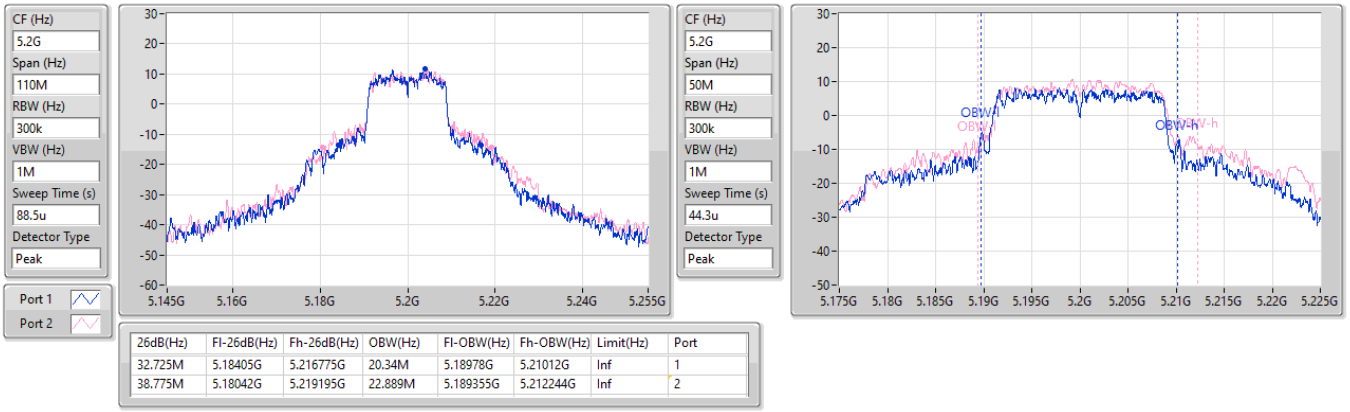


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.34M	5.169935G	5.191275G	17.616M	5.171154G	5.188771G	Inf	1
21.285M	5.16944G	5.190725G	17.666M	5.171179G	5.188846G	Inf	2

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **EBW**

5200MHz

12/12/2024

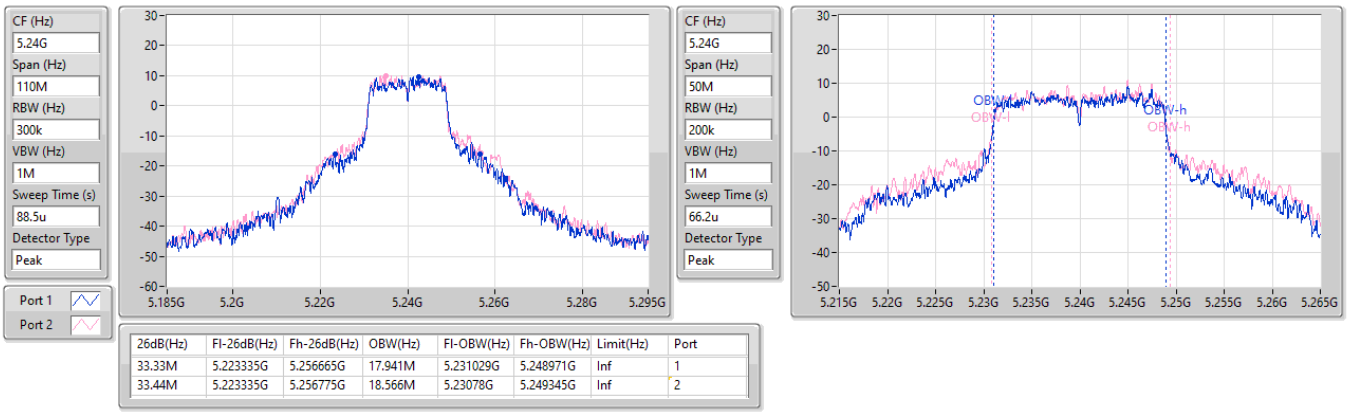


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.725M	5.18405G	5.216775G	20.34M	5.18978G	5.21012G	Inf	1
38.775M	5.18042G	5.219195G	22.889M	5.189355G	5.212244G	Inf	2

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **EBW**

5240MHz

12/12/2024

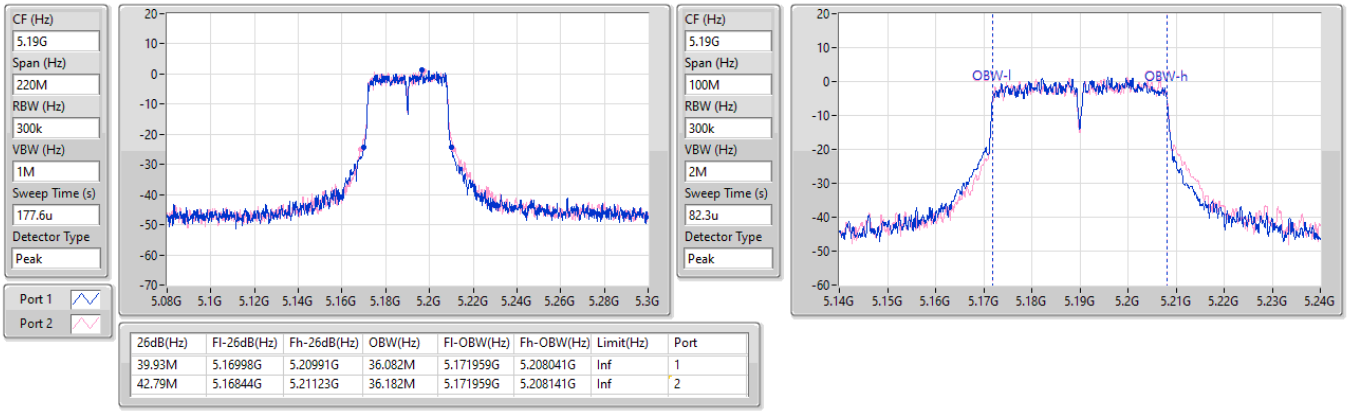


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.33M	5.223335G	5.256665G	17.941M	5.231029G	5.248971G	Inf	1
33.44M	5.223335G	5.256775G	18.566M	5.23078G	5.249345G	Inf	2

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **EBW**

5190MHz

12/12/2024

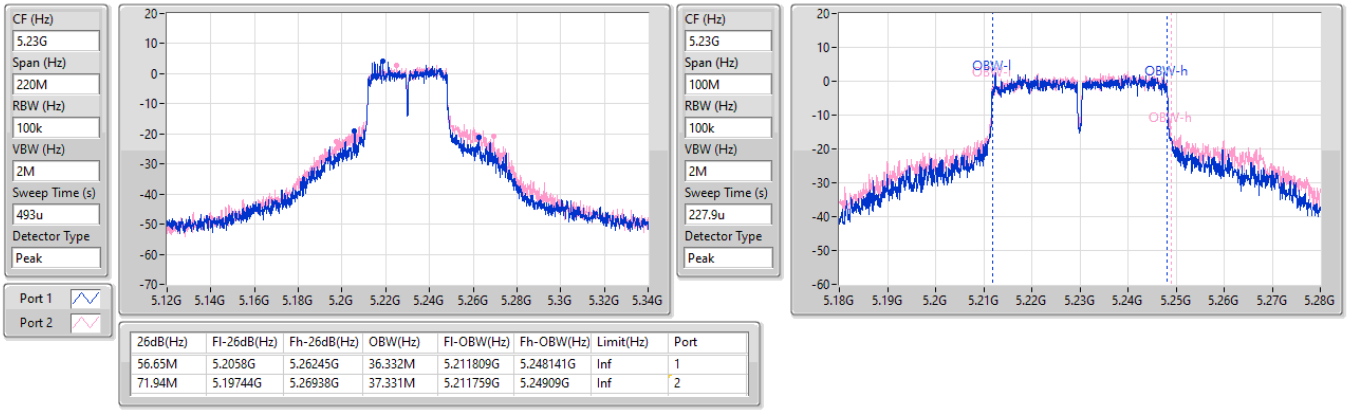


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.93M	5.16998G	5.20991G	36.082M	5.171959G	5.208041G	Inf	1
42.79M	5.16844G	5.21123G	36.182M	5.171959G	5.208141G	Inf	2

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **EBW**

5230MHz

12/12/2024



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.65M	5.2058G	5.26245G	36.332M	5.211809G	5.248141G	Inf	1
71.94M	5.19744G	5.26938G	37.331M	5.211759G	5.24909G	Inf	2

Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	36.245M	22.187M	22M2D1D	20.295M	16.47M
802.11n HT20_Nss1,(MCS0)_2TX	38.775M	22.889M	22M9D1D	21.285M	17.616M
802.11n HT40_Nss1,(MCS0)_2TX	71.94M	37.331M	37M3D1D	39.93M	36.082M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

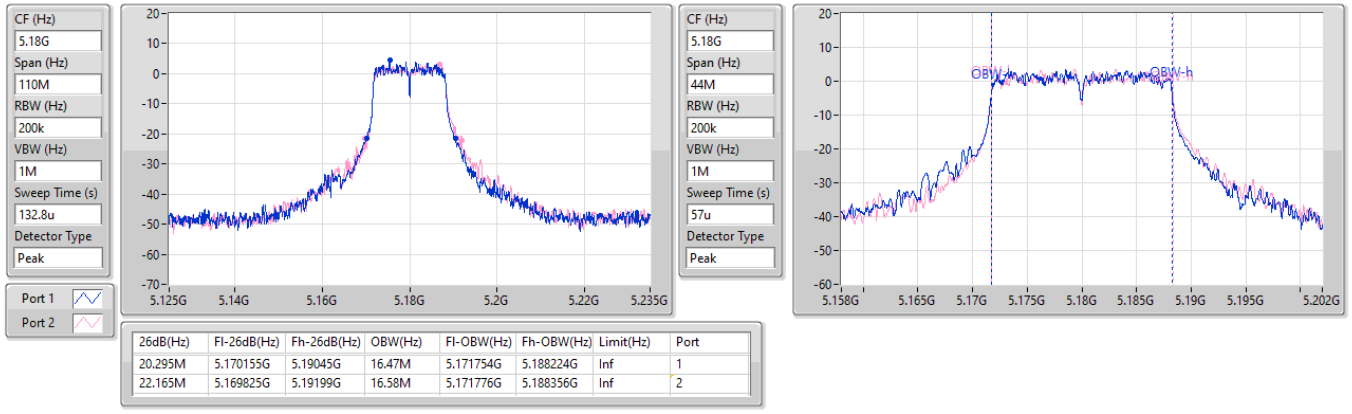
Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.295M	16.47M	22.165M	16.58M
5200MHz	Pass	Inf	36.245M	19.372M	36.19M	22.187M
5240MHz	Pass	Inf	31.955M	17.063M	35.695M	19.02M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.34M	17.616M	21.285M	17.666M
5200MHz	Pass	Inf	32.725M	20.34M	38.775M	22.889M
5240MHz	Pass	Inf	33.33M	17.941M	33.44M	18.566M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.93M	36.082M	42.79M	36.182M
5230MHz	Pass	Inf	56.65M	36.332M	71.94M	37.331M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5180MHz

12/12/2024

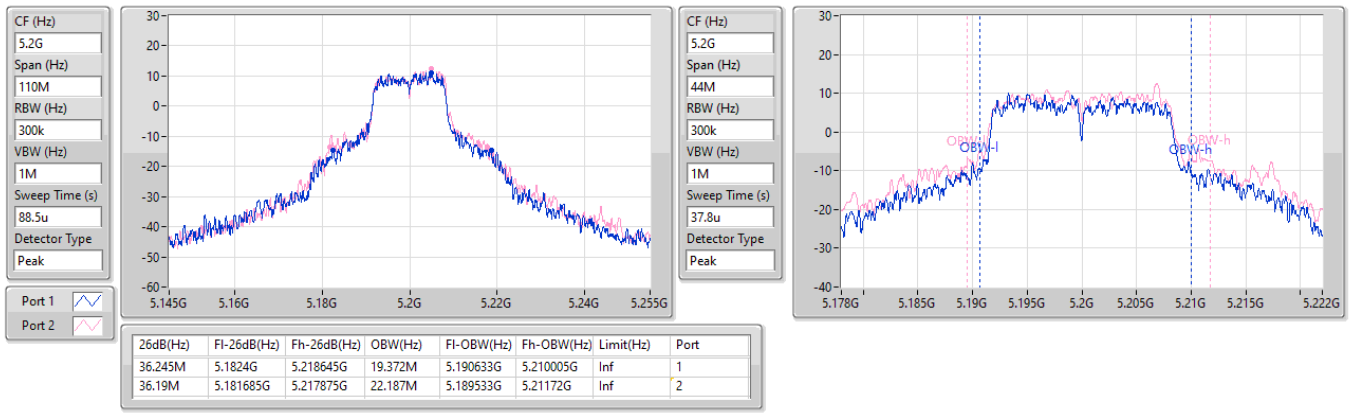


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.295M	5.170155G	5.19045G	16.47M	5.171754G	5.188224G	Inf	1
22.165M	5.169825G	5.19199G	16.58M	5.171776G	5.188356G	Inf	2

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5200MHz

12/12/2024

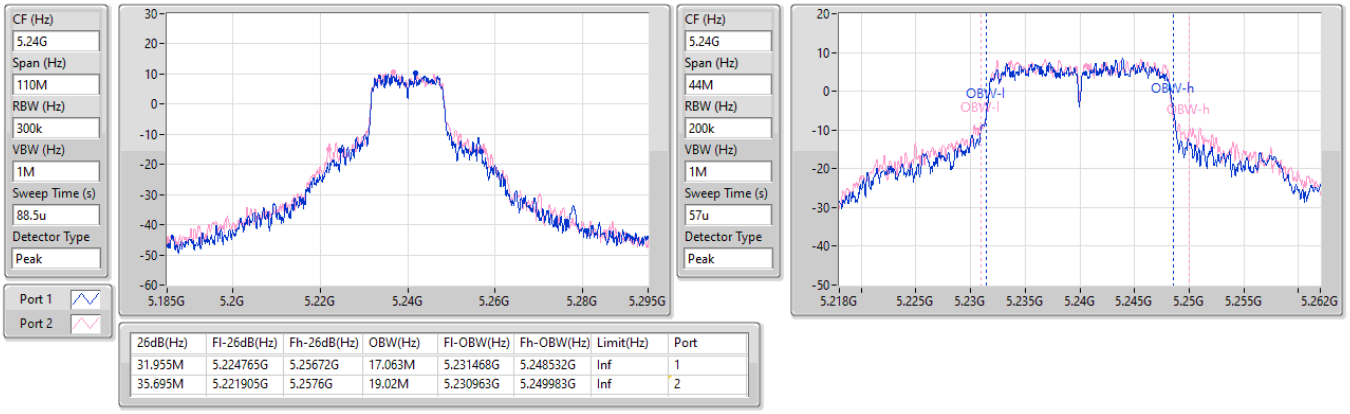


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.245M	5.1824G	5.218645G	19.372M	5.190633G	5.210005G	Inf	1
36.19M	5.181685G	5.217875G	22.187M	5.189533G	5.21172G	Inf	2

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5240MHz

12/12/2024

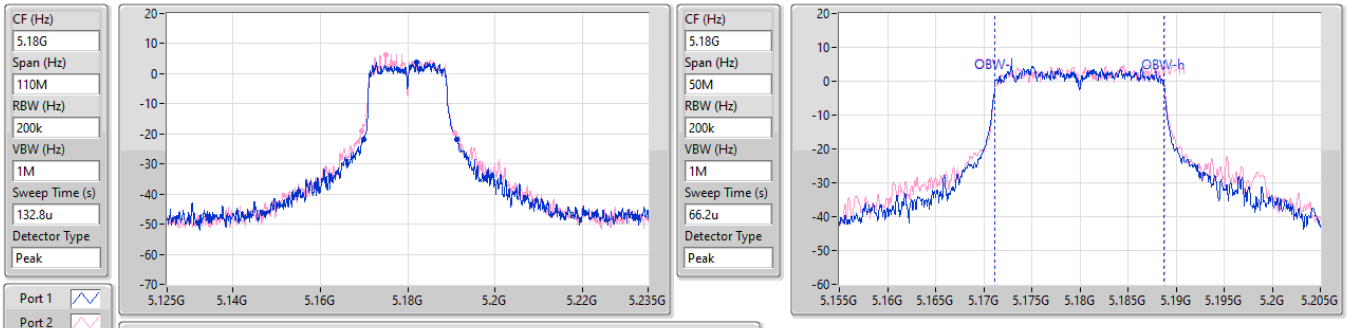


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.955M	5.224765G	5.25672G	17.063M	5.231468G	5.248532G	Inf	1
35.695M	5.221905G	5.2576G	19.02M	5.230963G	5.249983G	Inf	2

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **EBW**

5180MHz

12/12/2024

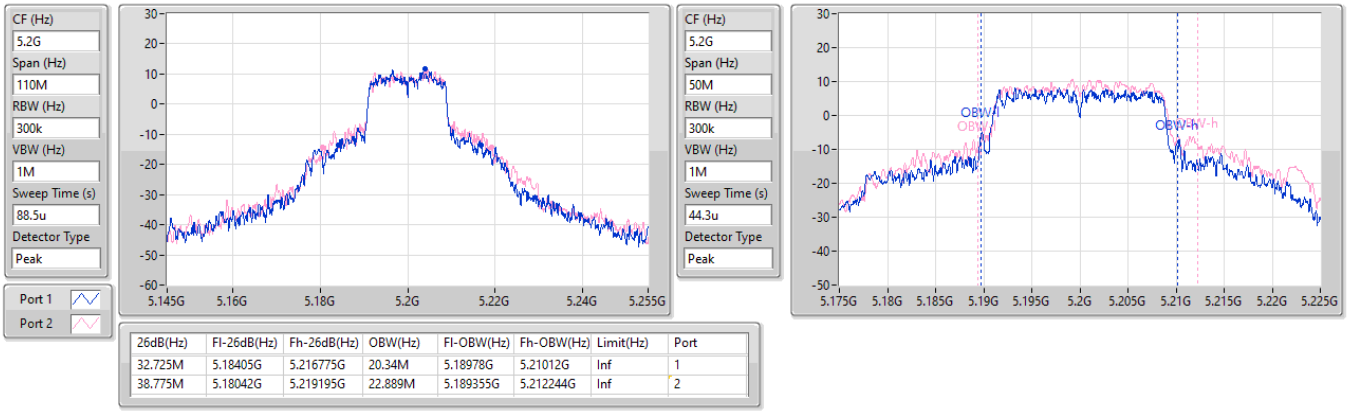


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.34M	5.169935G	5.191275G	17.616M	5.171154G	5.188771G	Inf	1
21.285M	5.16944G	5.190725G	17.666M	5.171179G	5.188846G	Inf	2

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **EBW**

5200MHz

12/12/2024

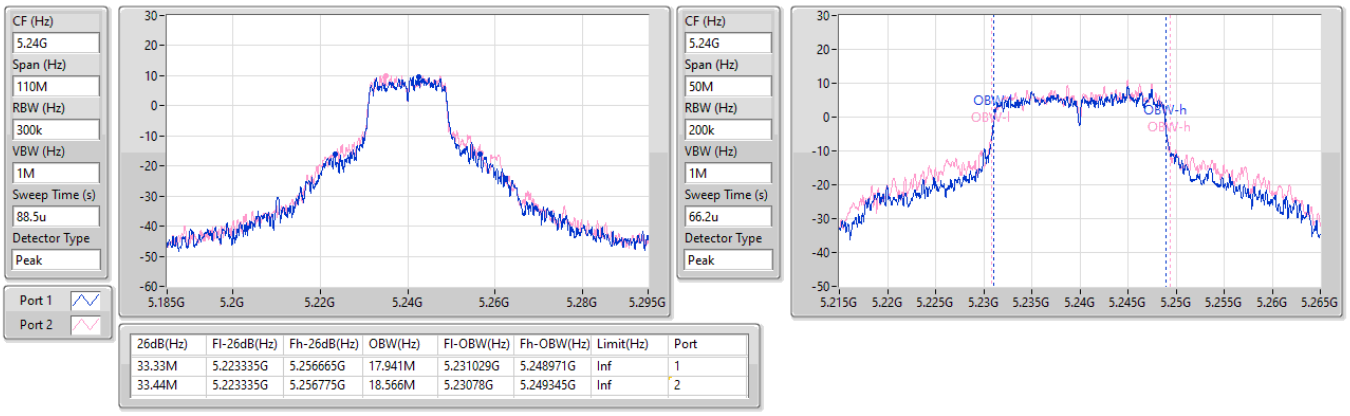


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.725M	5.18405G	5.216775G	20.34M	5.18978G	5.21012G	Inf	1
38.775M	5.18042G	5.219195G	22.889M	5.189355G	5.212244G	Inf	2

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **EBW**

5240MHz

12/12/2024

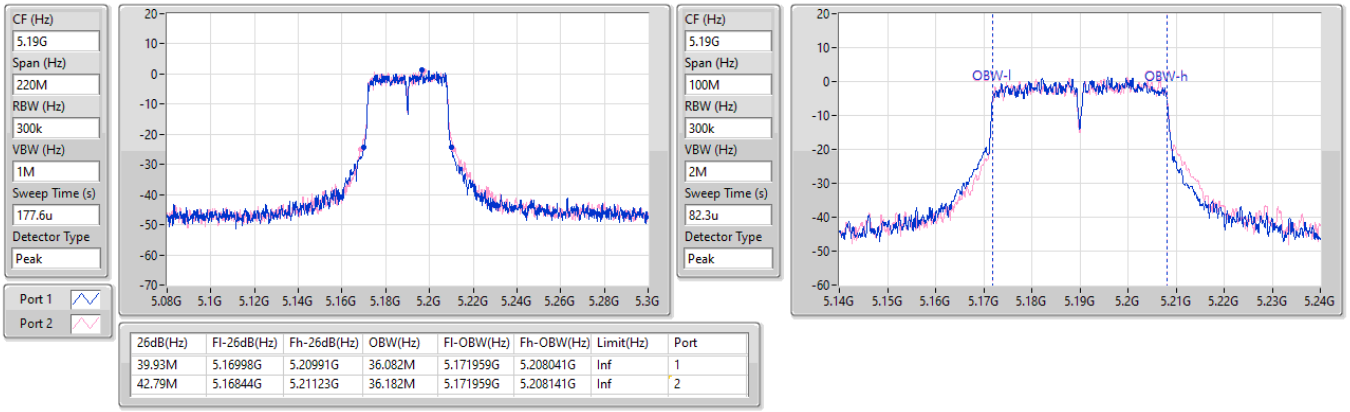


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.33M	5.223335G	5.256665G	17.941M	5.231029G	5.248971G	Inf	1
33.44M	5.223335G	5.256775G	18.566M	5.23078G	5.249345G	Inf	2

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **EBW**

5190MHz

12/12/2024

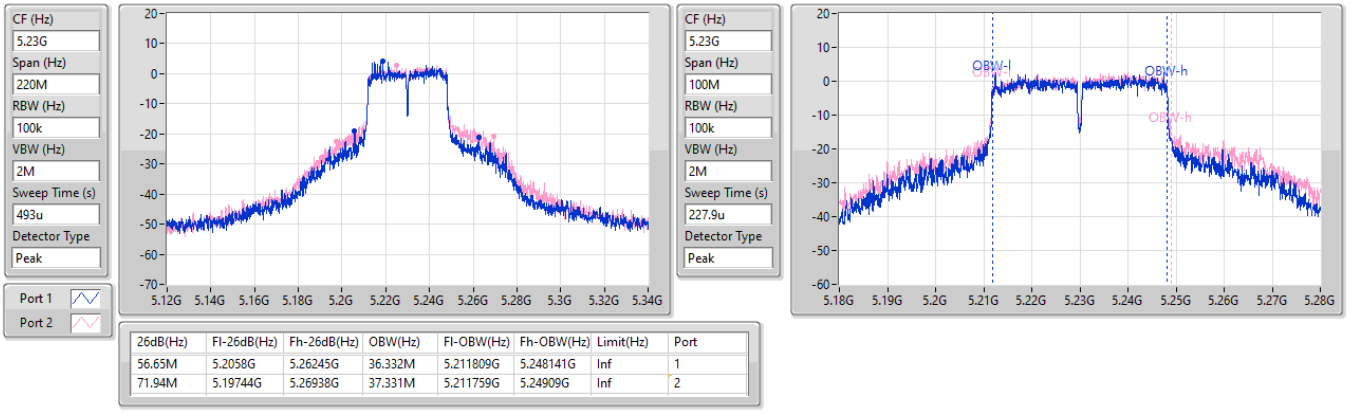


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.93M	5.16998G	5.20991G	36.082M	5.171959G	5.208041G	Inf	1
42.79M	5.16844G	5.21123G	36.182M	5.171959G	5.208141G	Inf	2

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **EBW**

5230MHz

12/12/2024



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.65M	5.2058G	5.26245G	36.332M	5.211809G	5.248141G	Inf	1
71.94M	5.19744G	5.26938G	37.331M	5.211759G	5.24909G	Inf	2

Summary

Mode	Total Power	Total Power
	(dBm)	(W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.58	0.22803
802.11n HT20_Nss1,(MCS0)_2TX	23.35	0.21627
802.11n HT40_Nss1,(MCS0)_2TX	22.02	0.15922

Result

Mode	Result	DG	Port 1	Port 2	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	1.10	15.33	15.18	18.27	30.00
5200MHz	Pass	1.10	20.43	20.70	23.58	30.00
5240MHz	Pass	1.10	19.11	19.59	22.37	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	1.10	15.98	16.49	19.25	30.00
5200MHz	Pass	1.10	20.15	20.53	23.35	30.00
5240MHz	Pass	1.10	18.89	19.48	22.21	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	1.10	13.42	13.59	16.52	30.00
5230MHz	Pass	1.10	18.60	19.38	22.02	30.00

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

Summary

Mode	Total Power	Total Power
	(dBm)	(W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.02	0.20045
802.11n HT20_Nss1,(MCS0)_2TX	23.35	0.21627
802.11n HT40_Nss1,(MCS0)_2TX	22.02	0.15922

Result

Mode	Result	DG	Port 1	Port 2	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	1.10	15.33	15.18	18.27	23.98
5200MHz	Pass	1.10	19.98	20.04	23.02	23.98
5240MHz	Pass	1.10	19.11	19.59	22.37	23.98
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	1.10	15.98	16.49	19.25	23.98
5200MHz	Pass	1.10	20.15	20.53	23.35	23.98
5240MHz	Pass	1.10	18.89	19.48	22.21	23.98
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	1.10	13.42	13.59	16.52	23.98
5230MHz	Pass	1.10	18.60	19.38	22.02	23.98

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

Summary

Mode	PD
	(dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	11.19
802.11n HT20_Nss1,(MCS0)_2TX	10.88
802.11n HT40_Nss1,(MCS0)_2TX	6.89

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

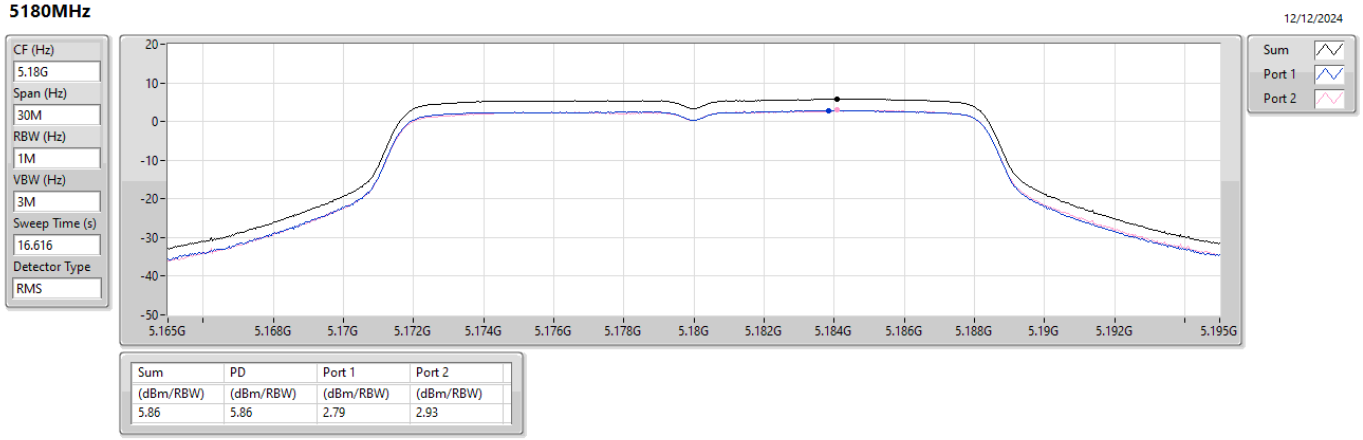
Result

Mode	Result	DG	Port 1	Port 2	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.91	2.79	2.93	5.86	17.00
5200MHz	Pass	3.91	8.01	8.37	11.19	17.00
5240MHz	Pass	3.91	6.88	7.55	10.20	17.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.91	3.37	4.07	6.73	17.00
5200MHz	Pass	3.91	7.80	8.12	10.88	17.00
5240MHz	Pass	3.91	6.65	7.20	9.93	17.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.91	-1.95	-1.60	1.22	17.00
5230MHz	Pass	3.91	3.49	4.33	6.89	17.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
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.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **PSD**

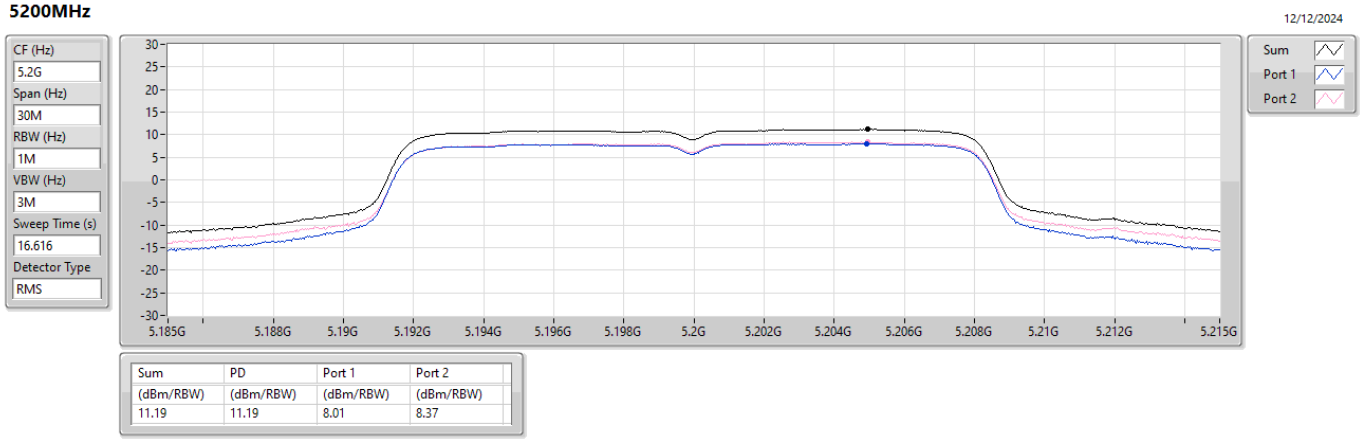
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.86	5.86	2.79	2.93

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **PSD**

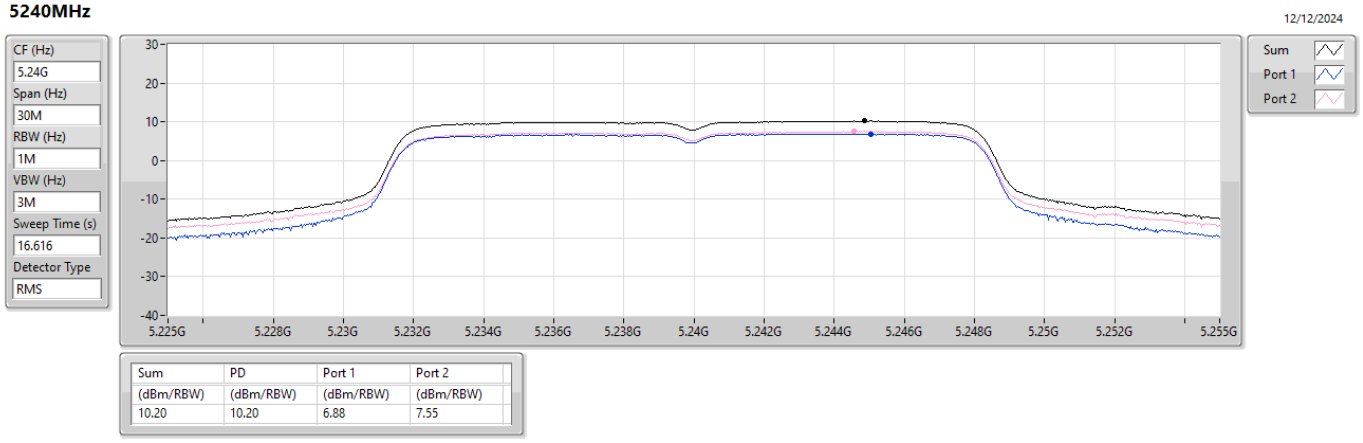
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.19	11.19	8.01	8.37

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **PSD**

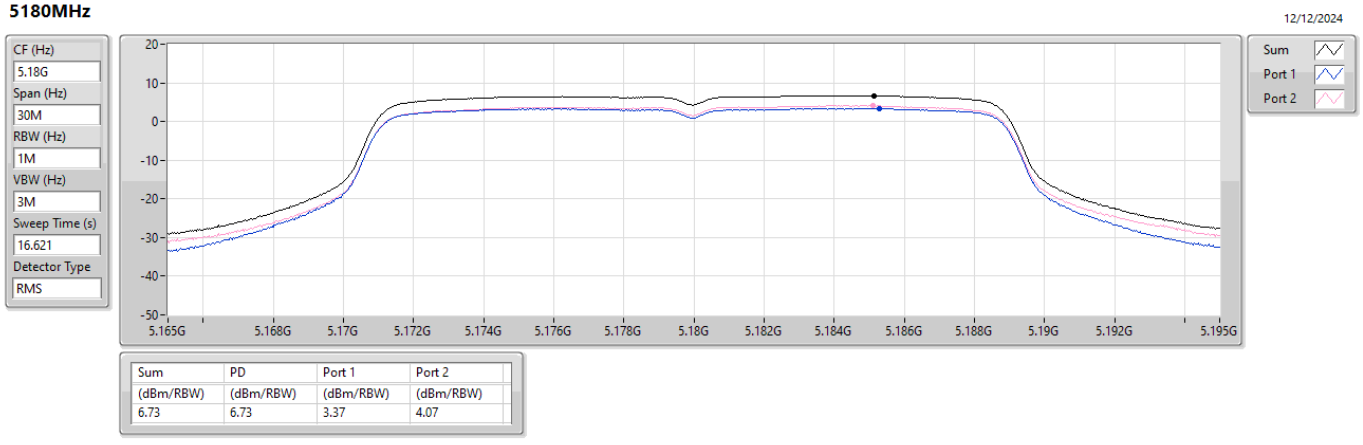
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.20	10.20	6.88	7.55

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **PSD**

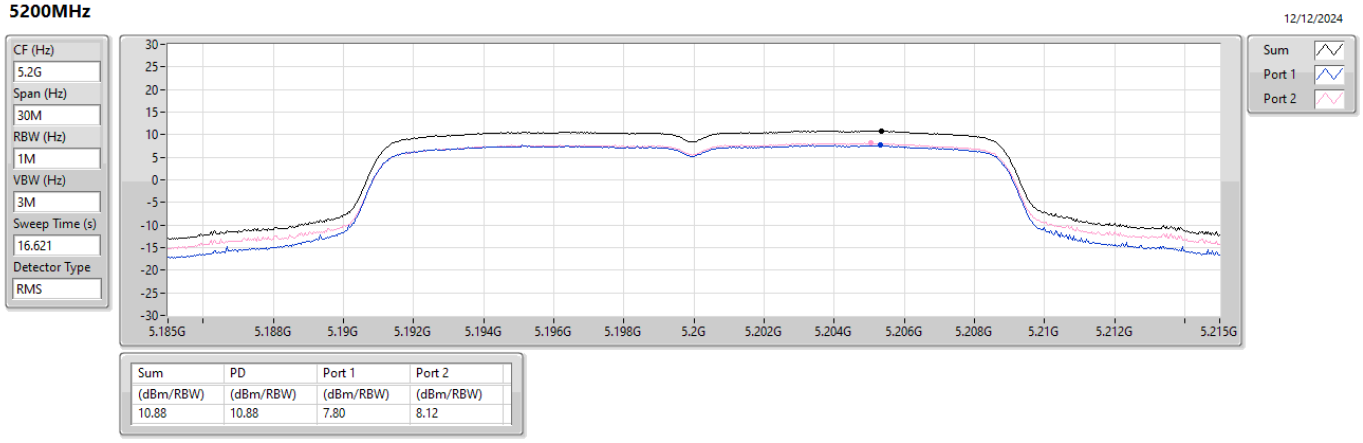
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.73	6.73	3.37	4.07

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **PSD**

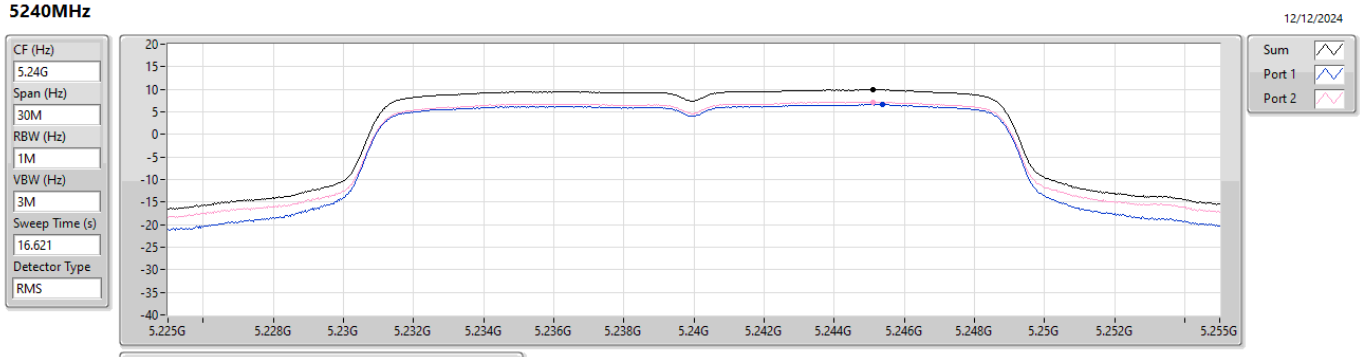
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	7.80	8.12

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **PSD**

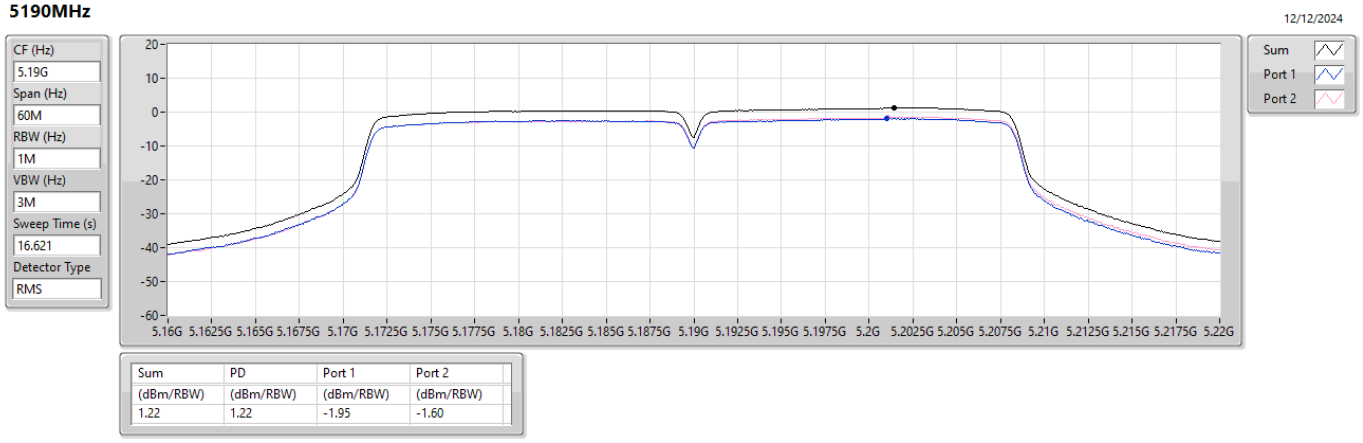
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.93	9.93	6.65	7.20

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **PSD**

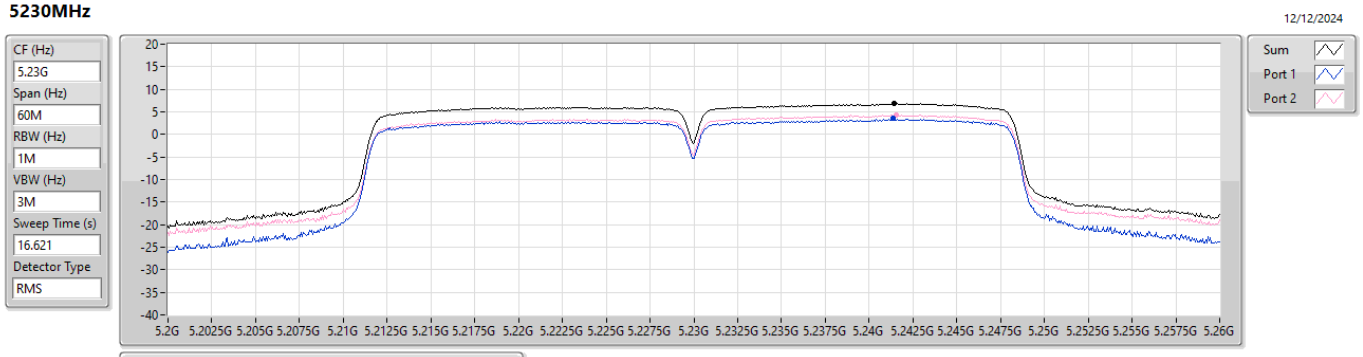
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.22	1.22	-1.95	-1.60

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **PSD**

5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.89	6.89	3.49	4.33

Summary

Mode	PD
	(dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.66
802.11n HT20_Nss1,(MCS0)_2TX	10.88
802.11n HT40_Nss1,(MCS0)_2TX	6.89

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

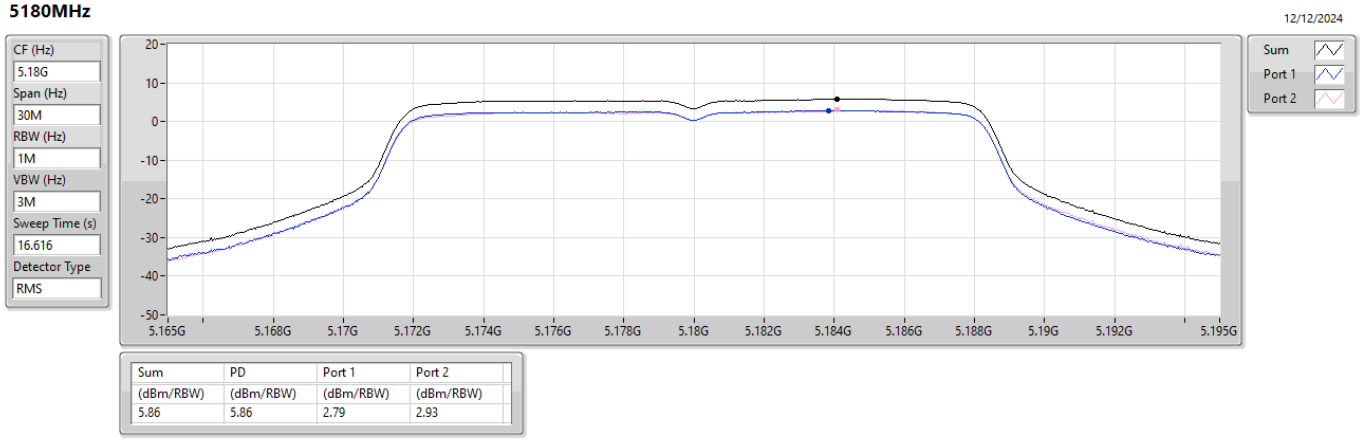
Result

Mode	Result	DG	Port 1	Port 2	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.91	2.79	2.93	5.86	11.00
5200MHz	Pass	3.91	7.38	7.95	10.66	11.00
5240MHz	Pass	3.91	6.88	7.55	10.20	11.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.91	3.37	4.07	6.73	11.00
5200MHz	Pass	3.91	7.80	8.12	10.88	11.00
5240MHz	Pass	3.91	6.65	7.20	9.93	11.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.91	-1.95	-1.60	1.22	11.00
5230MHz	Pass	3.91	3.49	4.33	6.89	11.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
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.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **PSD**

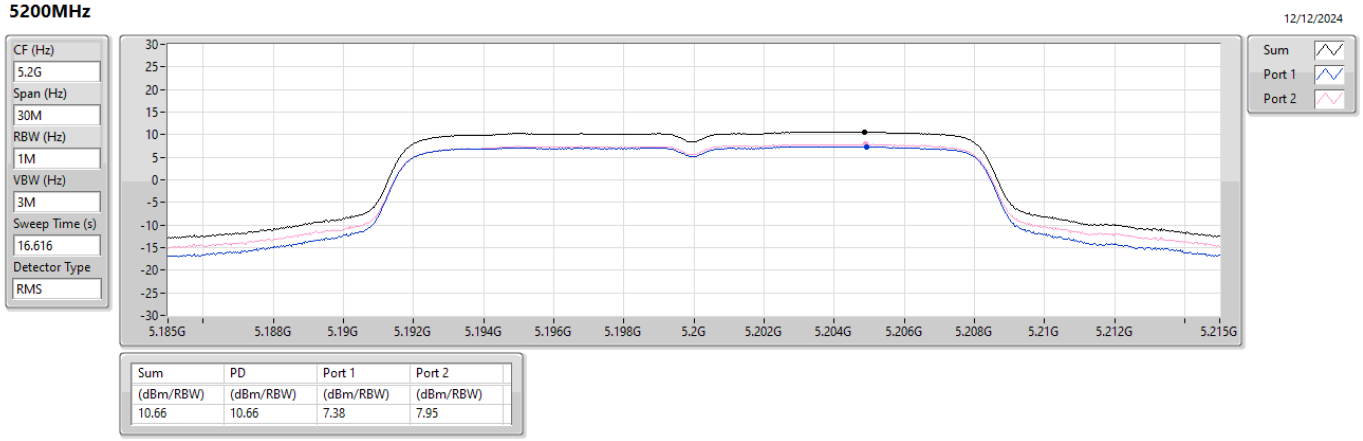
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.86	5.86	2.79	2.93

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **PSD**

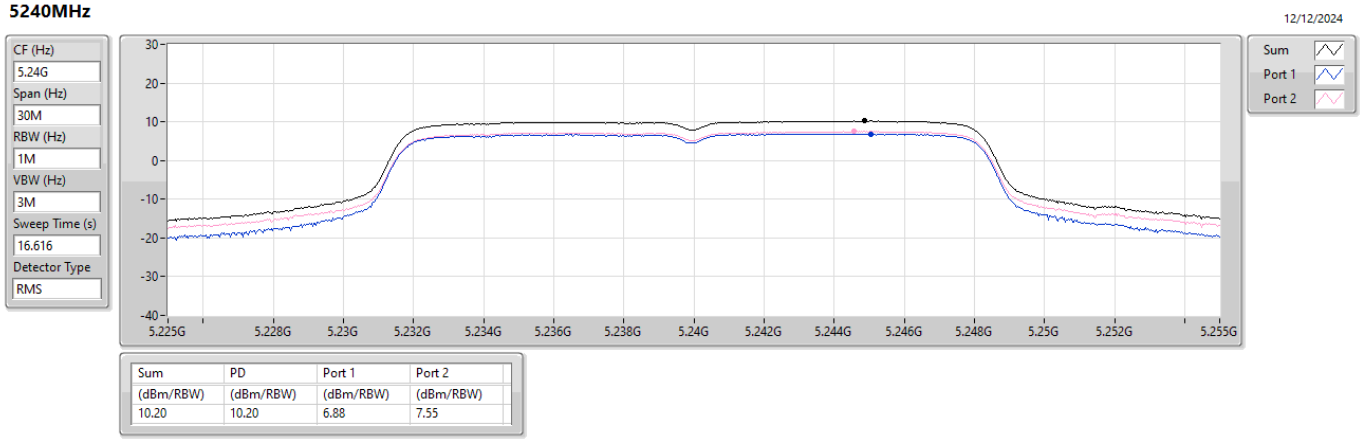
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.66	10.66	7.38	7.95

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **PSD**

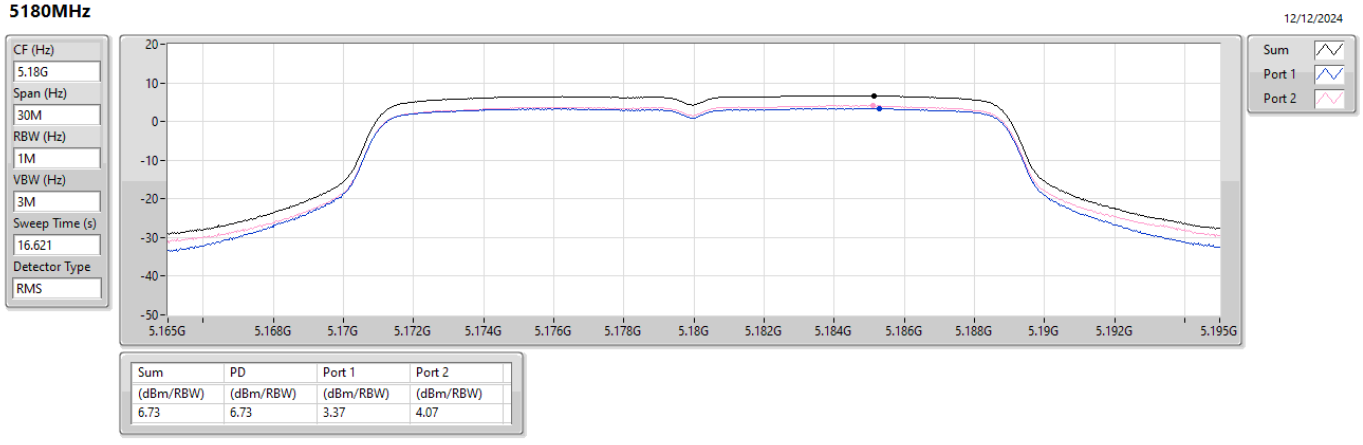
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.20	10.20	6.88	7.55

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **PSD**

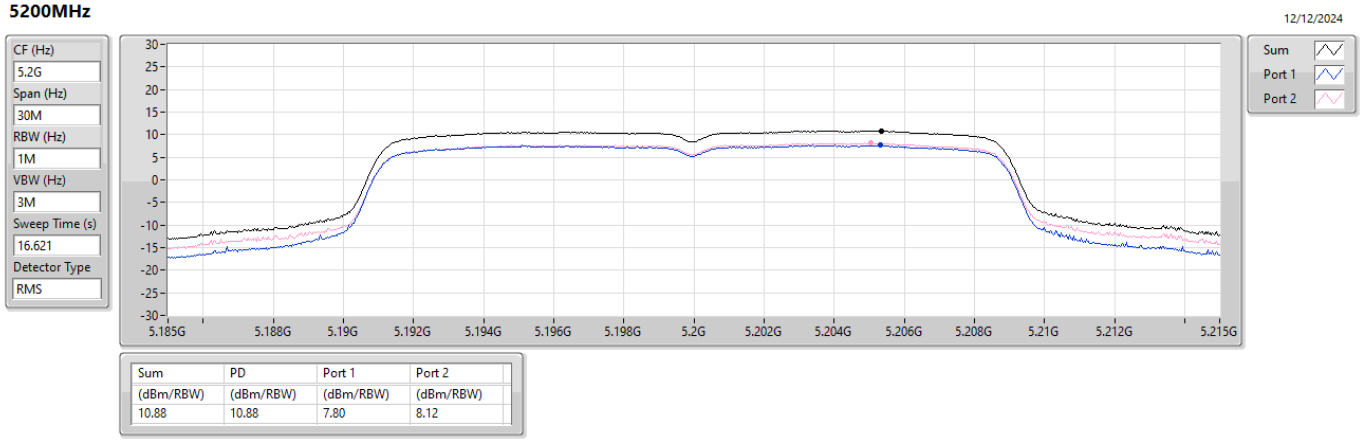
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.73	6.73	3.37	4.07

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **PSD**

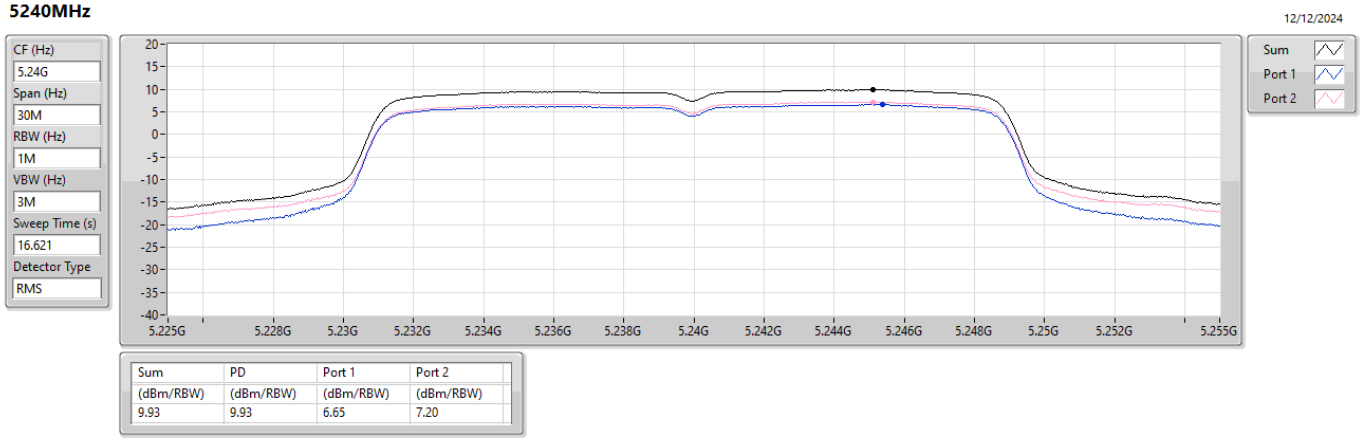
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	7.80	8.12

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX **PSD**

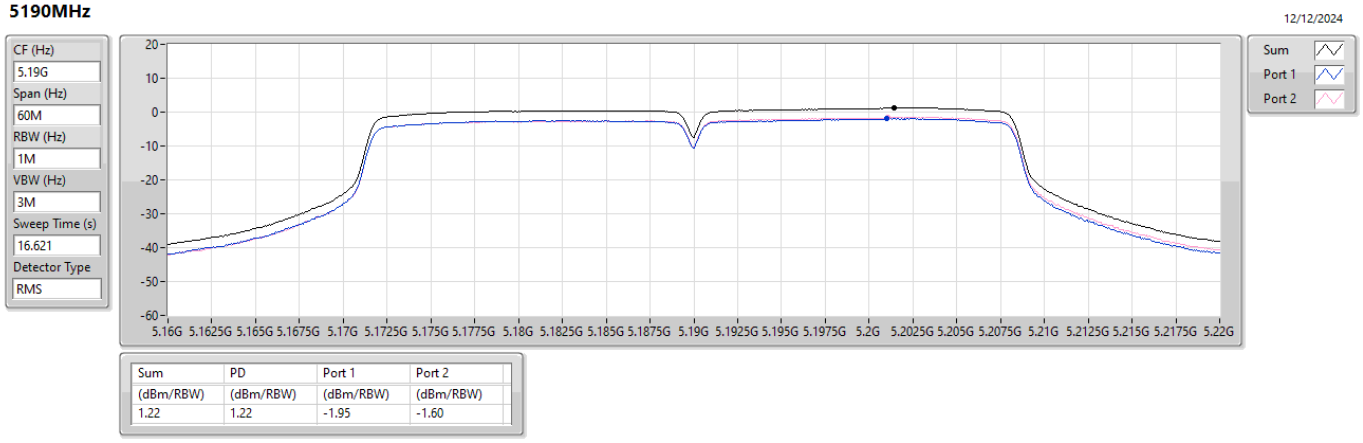
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.93	9.93	6.65	7.20

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **PSD**

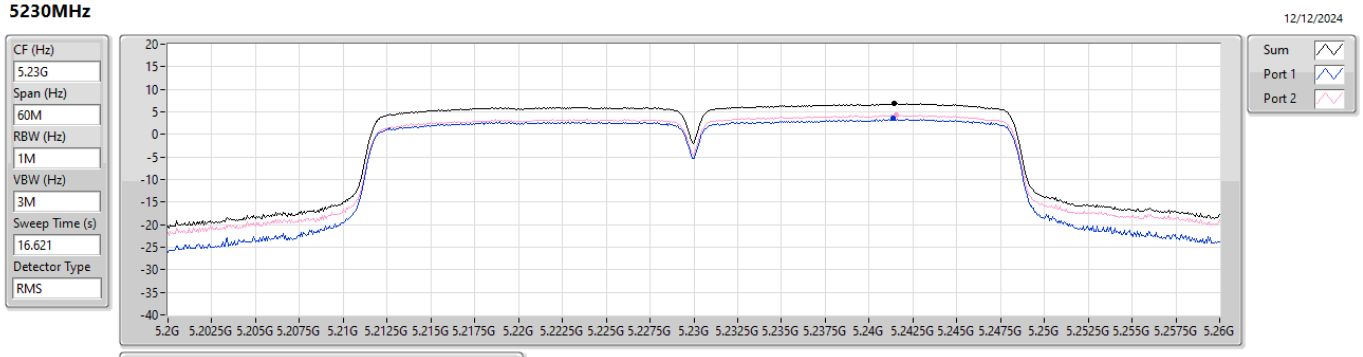
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.22	1.22	-1.95	-1.60

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX **PSD**

5230MHz

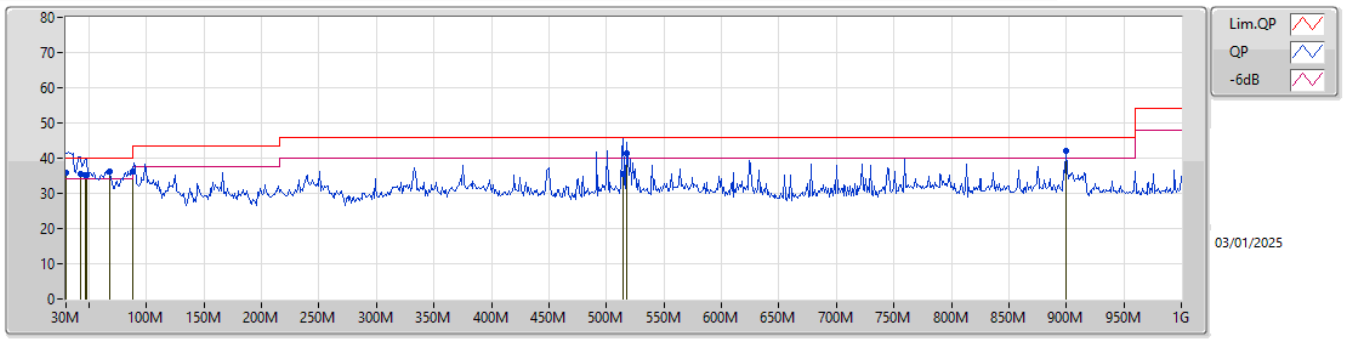


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.89	6.89	3.49	4.33

Summary

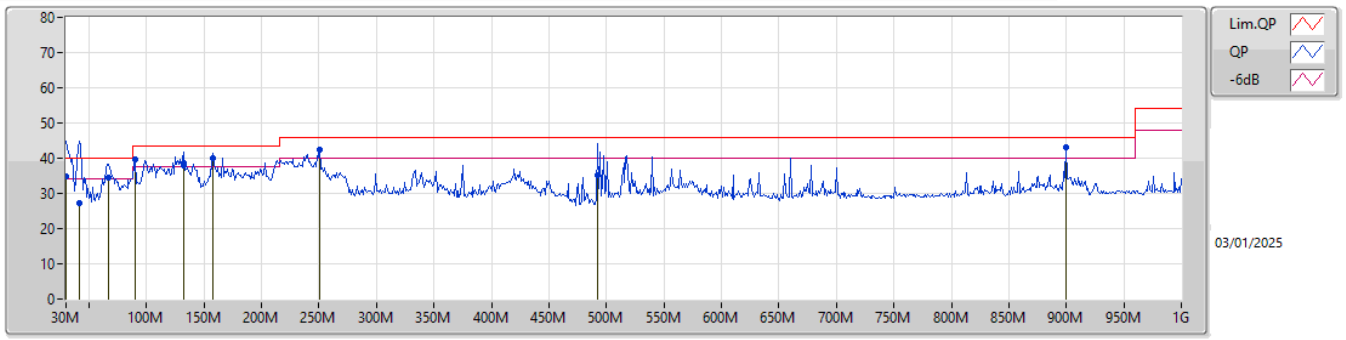
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	900.09M	42.96	46.00	-3.04	Horizontal

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
QP	30M	35.69	40.00	-4.31	-6.74	3	Vertical	207	1.00	-	42.43	23.85	0.46	31.05
QP	42.61M	35.51	40.00	-4.49	-13.03	3	Vertical	118	3.00	-	48.54	17.05	0.58	30.66
QP	46.49M	35.09	40.00	-4.91	-14.95	3	Vertical	240	1.00	-	50.04	15.24	0.61	30.80
QP	48.43M	35.32	40.00	-4.68	-15.77	3	Vertical	240	1.00	-	51.09	14.42	0.63	30.82
PK	67.83M	36.21	40.00	-3.79	-17.81	3	Vertical	263	3.00	"Worst"	54.02	12.26	0.77	30.84
PK	88M	36.37	43.50	-7.13	-15.41	3	Vertical	158	1.50	-	51.78	14.51	0.91	30.83
QP	514.03M	35.64	46.00	-10.36	-5.72	3	Vertical	40	3.00	-	41.36	23.58	2.42	31.72
QP	517.91M	41.46	46.00	-4.54	-5.66	3	Vertical	40	1.00	-	47.12	23.62	2.43	31.71
PK	900.09M	42.02	46.00	-3.98	-1.84	3	Vertical	146	1.25	-	43.86	26.74	3.30	31.88

Mode 2



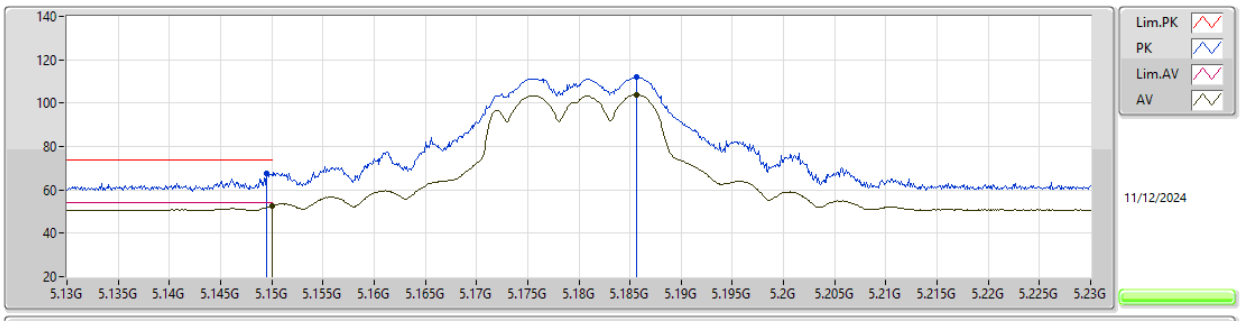
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
QP	30M	34.76	40.00	-5.24	-6.74	3	Horizontal	125	2.00	-	41.50	23.85	0.46	31.05
QP	41.64M	27.20	40.00	-12.80	-12.50	3	Horizontal	206	1.25	-	39.70	17.54	0.57	30.61
QP	66.86M	34.43	40.00	-5.57	-17.88	3	Horizontal	169	3.00	-	52.31	12.25	0.76	30.89
PK	90.14M	39.51	43.50	-3.99	-14.96	3	Horizontal	191	2.00	-	54.47	14.96	0.92	30.84
QP	132.82M	38.47	43.50	-5.03	-12.23	3	Horizontal	184	2.00	-	50.70	17.86	1.16	31.25
QP	132.82M	37.79	43.50	-5.71	-12.23	3	Horizontal	184	2.00	-	50.02	17.86	1.16	31.25
QP	158.04M	40.03	43.50	-3.47	-13.93	3	Horizontal	322	2.00	-	53.96	16.10	1.26	31.29
PK	250.19M	42.52	46.00	-3.48	-10.22	3	Horizontal	199	1.25	-	52.74	19.04	1.64	30.90
QP	492.69M	35.19	46.00	-10.81	-6.04	3	Horizontal	275	2.00	-	41.23	23.29	2.36	31.69
QP	900.09M	42.96	46.00	-3.04	-1.84	3	Horizontal	196	1.25	"Worst"	44.80	26.74	3.30	31.88

Summary

Mode	Result	Type	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1468G	52.88	54.00	-1.12	3	Vertical	76	2.35	-

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

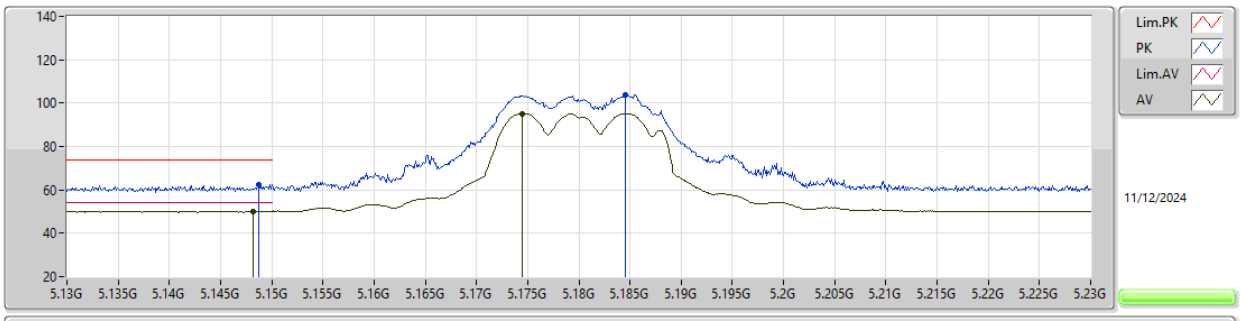


EUT Z_2TX
Setting 31
02-R-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1495G	67.64	74.00	-6.36	57.99	3	Vertical	357	1.16	-	33.60	6.98	30.93
AV	5.15G	52.84	54.00	-1.16	43.19	3	Vertical	357	1.16	-	33.60	6.98	30.93
PK	5.1856G	111.89	Inf	-Inf	102.13	3	Vertical	357	1.16	-	33.67	7.00	30.91
AV	5.1856G	103.76	Inf	-Inf	94.00	3	Vertical	357	1.16	-	33.67	7.00	30.91

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

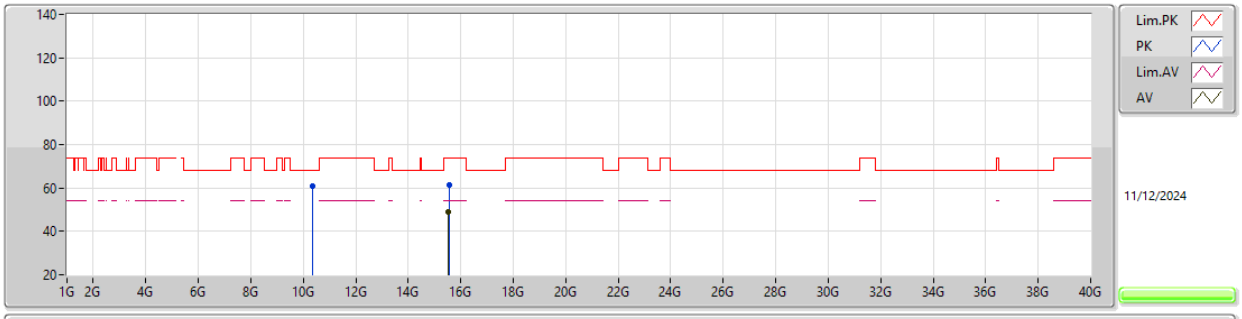


EUT Z_2TX
Setting 31
02-R-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1487G	62.56	74.00	-11.44	52.91	3	Horizontal	8	1.78	-	33.60	6.98	30.93
AV	5.1482G	50.20	54.00	-3.80	40.55	3	Horizontal	8	1.78	-	33.60	6.98	30.93
PK	5.1846G	103.84	Inf	-Inf	94.08	3	Horizontal	8	1.78	-	33.67	7.00	30.91
AV	5.1745G	95.23	Inf	-Inf	85.50	3	Horizontal	8	1.78	-	33.65	6.99	30.91

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

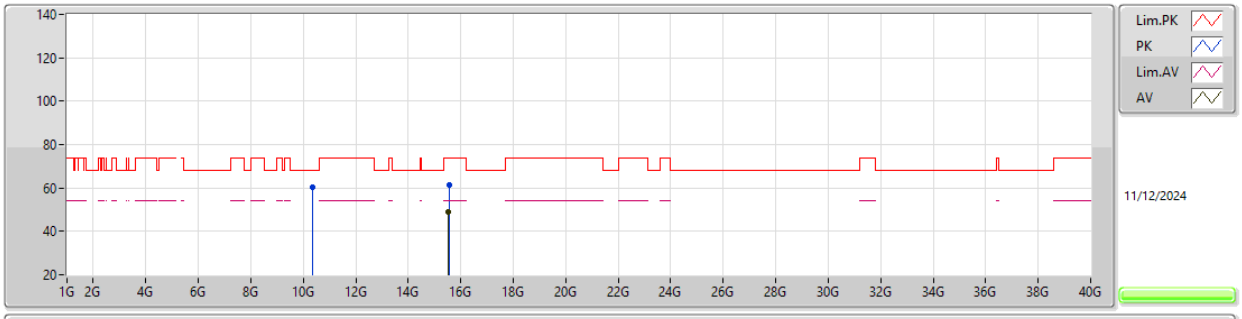


EUT Z_2TX
Setting 31
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.36708G	60.95	68.20	-7.25	46.48	3	Vertical	222	2.71	-	37.97	11.17	34.67
PK	15.5487G	61.26	74.00	-12.74	45.38	3	Vertical	120	2.30	-	37.91	12.91	34.94
AV	15.52569G	49.14	54.00	-4.86	33.09	3	Vertical	120	2.30	-	38.09	12.89	34.93

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

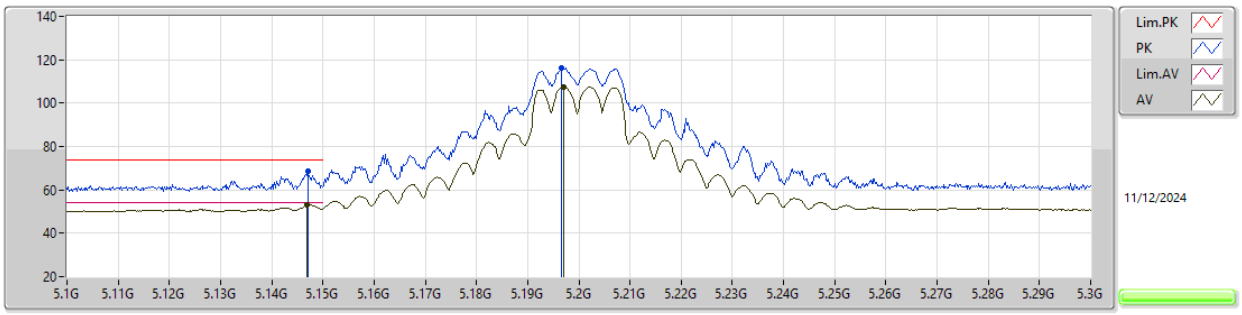


EUT Z_2TX
Setting 31
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.34986G	60.60	68.20	-7.60	46.13	3	Horizontal	223	2.83	-	38.00	11.16	34.69
PK	15.54753G	61.50	74.00	-12.50	45.61	3	Horizontal	267	1.73	-	37.92	12.91	34.94
AV	15.52545G	49.07	54.00	-4.93	33.01	3	Horizontal	267	1.73	-	38.10	12.89	34.93

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

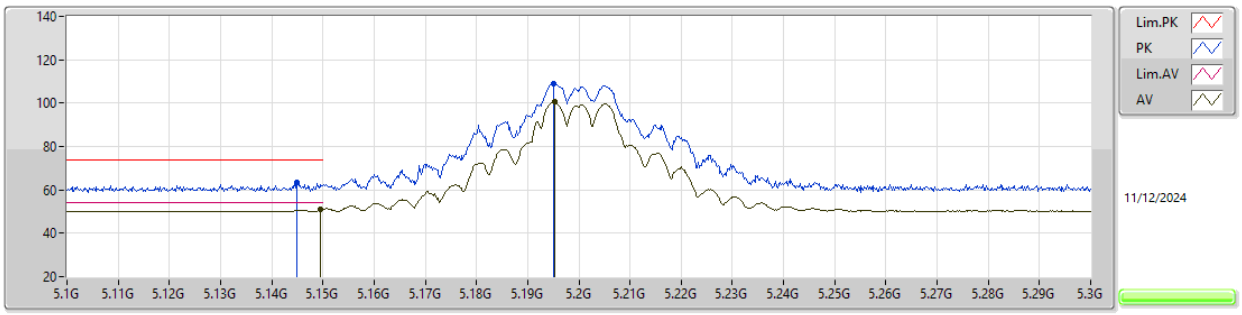


EUT Z_2TX
Setting 45
02-R-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.147G	68.40	74.00	-5.60	58.75	3	Vertical	76	2.35	-	33.60	6.98	30.93
AV	5.1468G	52.88	54.00	-1.12	43.23	3	Vertical	76	2.35	-	33.60	6.98	30.93
PK	5.1966G	115.97	Inf	-Inf	106.17	3	Vertical	76	2.35	-	33.69	7.01	30.90
AV	5.197G	107.44	Inf	-Inf	97.64	3	Vertical	76	2.35	-	33.69	7.01	30.90

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

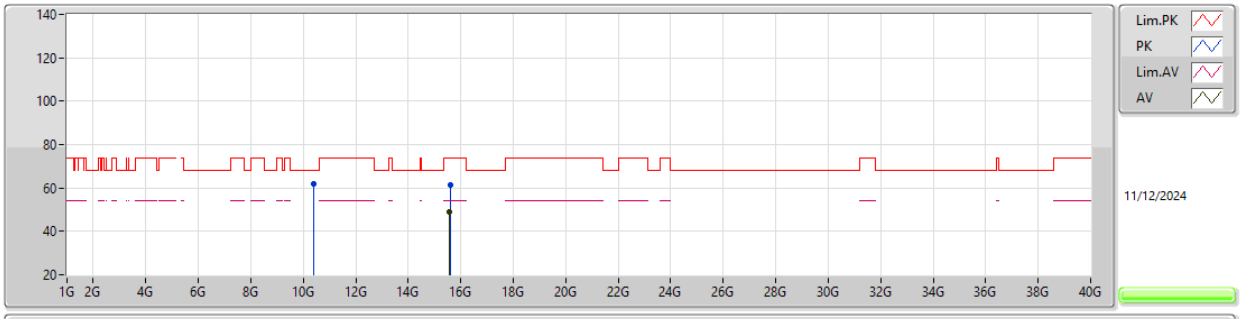


EUT Z_2TX
Setting 45
02-R-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1448G	63.53	74.00	-10.47	53.89	3	Horizontal	313	1.80	-	33.60	6.97	30.93
AV	5.1496G	50.90	54.00	-3.10	41.25	3	Horizontal	313	1.80	-	33.60	6.98	30.93
PK	5.195G	108.82	Inf	-Inf	99.02	3	Horizontal	313	1.80	-	33.69	7.01	30.90
AV	5.1952G	100.53	Inf	-Inf	90.73	3	Horizontal	313	1.80	-	33.69	7.01	30.90

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

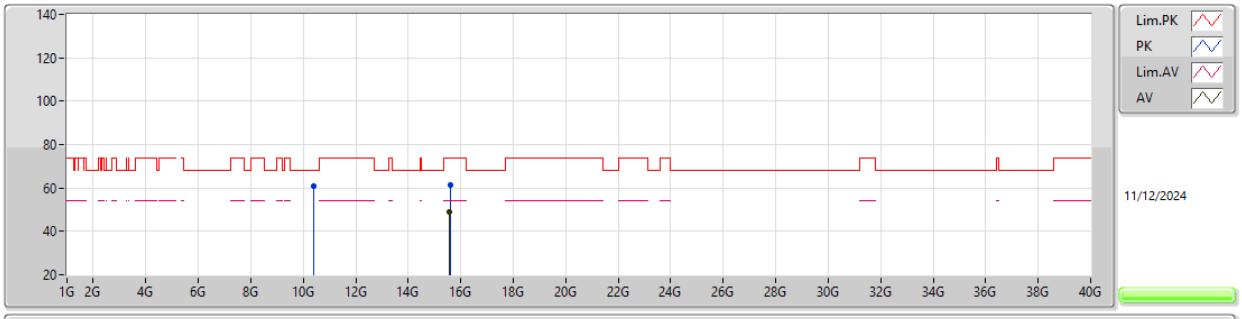


EUT Z_2TX
Setting 45
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40198G	61.71	68.20	-6.49	47.25	3	Vertical	250	1.13	-	37.90	11.18	34.62
PK	15.58845G	61.56	74.00	-12.44	45.76	3	Vertical	280	2.62	-	37.82	12.94	34.96
AV	15.58518G	49.05	54.00	-4.95	33.24	3	Vertical	280	2.62	-	37.83	12.94	34.96

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

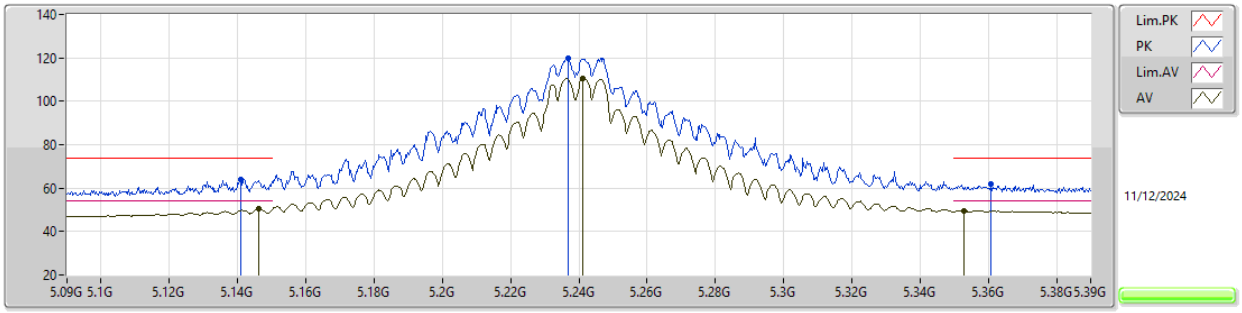


EUT Z_2TX
Setting 45
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.41182G	60.67	68.20	-7.53	46.19	3	Horizontal	6	2.39	-	37.90	11.19	34.61
PK	15.5892G	61.44	74.00	-12.56	45.64	3	Horizontal	185	2.44	-	37.82	12.94	34.96
AV	15.5859G	49.10	54.00	-4.90	33.29	3	Horizontal	185	2.44	-	37.83	12.94	34.96

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

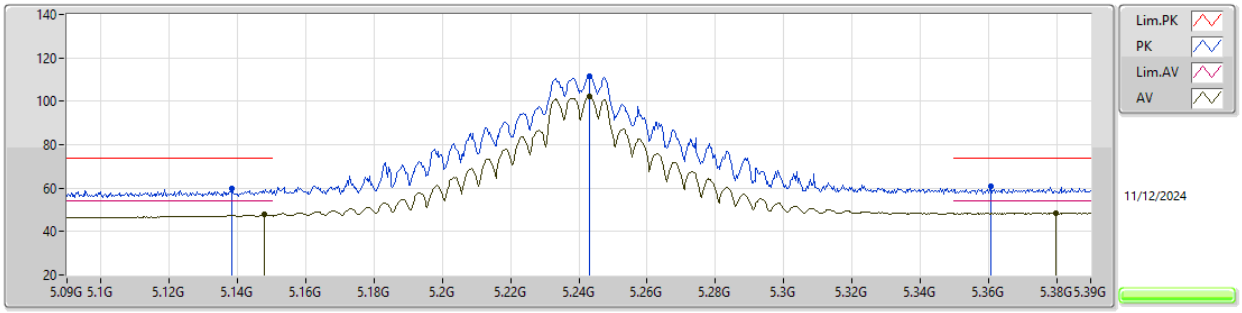


EUT Z_2TX
Setting 58
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.141G	64.06	74.00	-9.94	57.94	3	Vertical	259	1.97	-	33.95	7.47	35.30
AV	5.1461G	50.40	54.00	-3.60	44.24	3	Vertical	259	1.97	-	33.98	7.48	35.30
PK	5.237G	119.92	Inf	-Inf	113.48	3	Vertical	259	1.97	-	34.07	7.66	35.29
AV	5.2412G	110.51	Inf	-Inf	104.06	3	Vertical	259	1.97	-	34.08	7.66	35.29
PK	5.3609G	61.93	74.00	-12.07	54.97	3	Vertical	259	1.97	-	34.42	7.81	35.27
AV	5.3528G	49.73	54.00	-4.27	42.79	3	Vertical	259	1.97	-	34.41	7.80	35.27

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

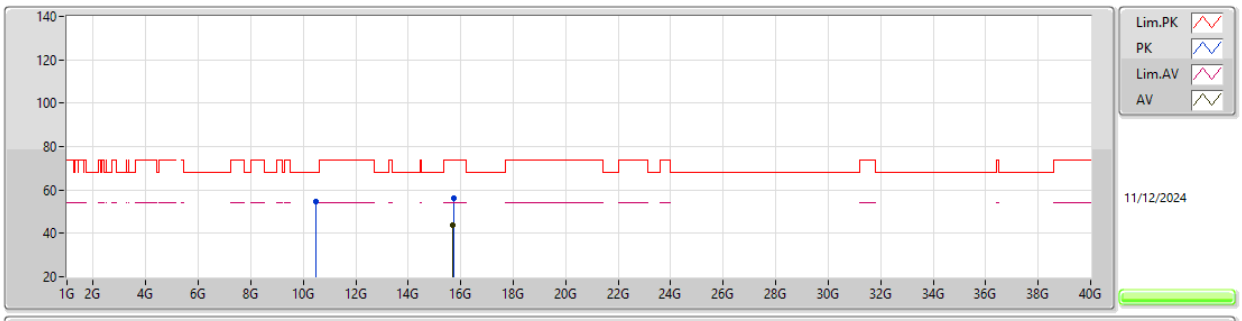


EUT Z_2TX
Setting 58
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1383G	60.00	74.00	-14.00	53.91	3	Horizontal	300	1.74	-	33.93	7.47	35.31
AV	5.1479G	47.77	54.00	-6.23	41.59	3	Horizontal	300	1.74	-	33.99	7.49	35.30
PK	5.243G	111.71	Inf	-Inf	105.25	3	Horizontal	300	1.74	-	34.09	7.66	35.29
AV	5.243G	102.34	Inf	-Inf	95.88	3	Horizontal	300	1.74	-	34.09	7.66	35.29
PK	5.3609G	60.66	74.00	-13.34	53.70	3	Horizontal	300	1.74	-	34.42	7.81	35.27
AV	5.3798G	48.36	54.00	-5.64	41.33	3	Horizontal	300	1.74	-	34.46	7.83	35.26

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

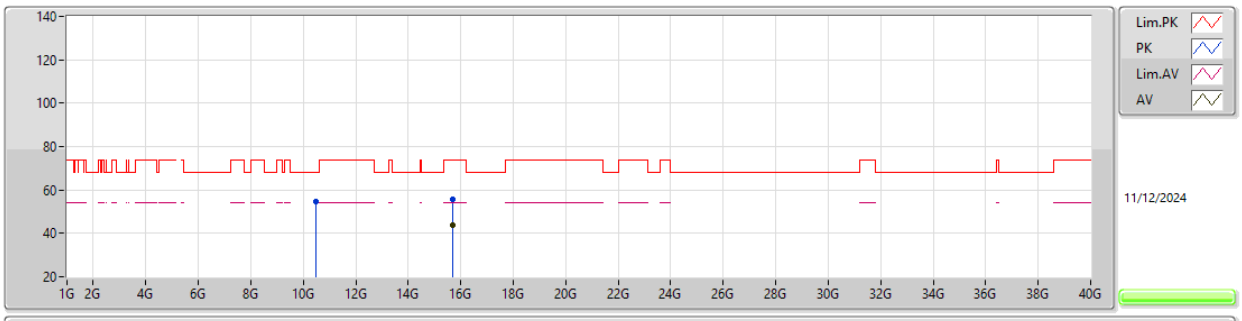


EUT Z_2TX
Setting 58
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.47763G	54.80	68.20	-13.40	40.15	3	Vertical	73	1.92	-	37.96	11.21	34.52
PK	15.72159G	56.07	74.00	-17.93	40.08	3	Vertical	109	1.80	-	37.96	13.05	35.02
AV	15.70587G	43.54	54.00	-10.46	27.52	3	Vertical	109	1.80	-	37.99	13.04	35.01

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

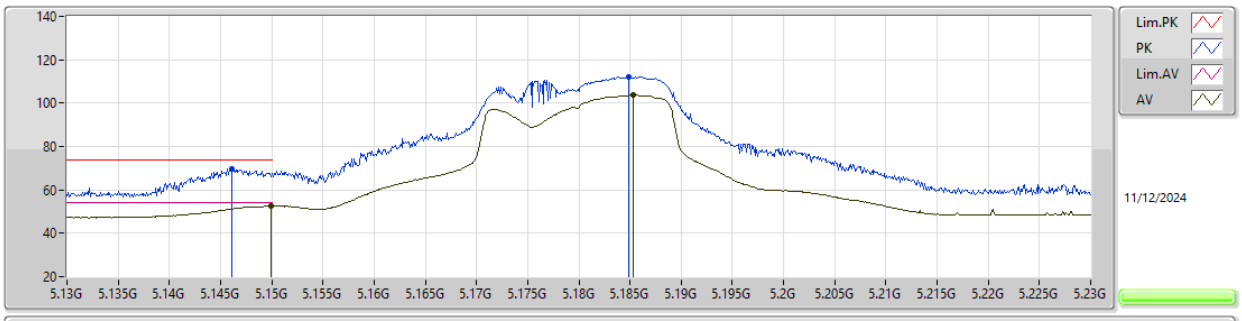


EUT Z_2TX
Setting 58
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48192G	54.44	68.20	-13.76	39.77	3	Horizontal	151	2.97	-	37.96	11.22	34.51
PK	15.70731G	55.93	74.00	-18.07	39.91	3	Horizontal	335	2.18	-	37.99	13.04	35.01
AV	15.70524G	43.66	54.00	-10.34	27.64	3	Horizontal	335	2.18	-	37.99	13.04	35.01

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

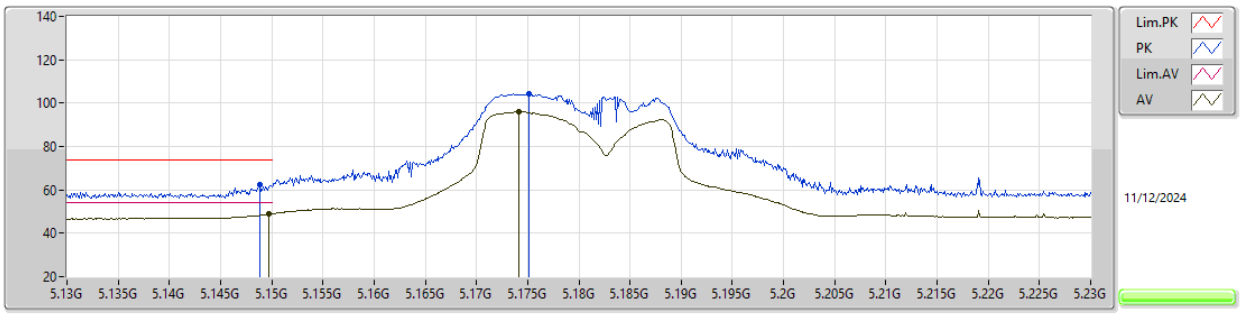


EUT Z_2TX
Setting 33
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1461G	69.73	74.00	-4.27	63.57	3	Vertical	261	1.94	-	33.98	7.48	35.30
AV	5.1499G	52.53	54.00	-1.47	46.34	3	Vertical	261	1.94	-	34.00	7.49	35.30
PK	5.1849G	112.27	Inf	-Inf	106.00	3	Vertical	261	1.94	-	34.00	7.57	35.30
AV	5.1853G	103.84	Inf	-Inf	97.56	3	Vertical	261	1.94	-	34.00	7.58	35.30

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

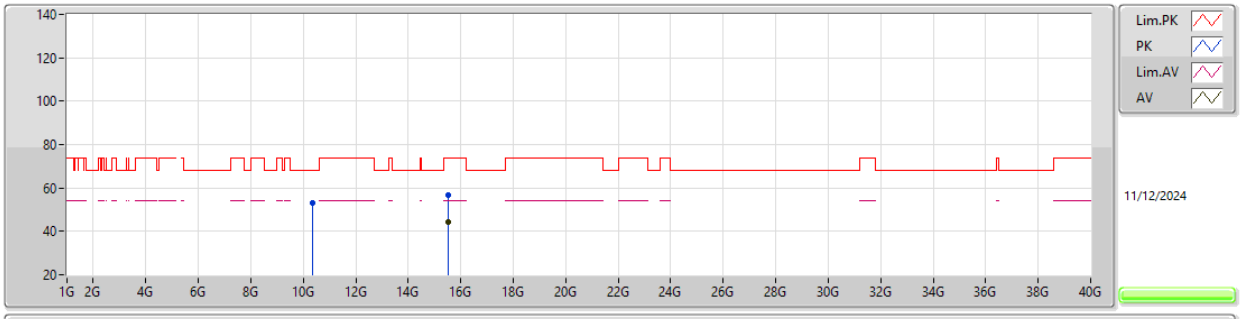


EUT Z_2TX
Setting 33
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	62.30	74.00	-11.70	56.12	3	Horizontal	300	1.76	-	33.99	7.49	35.30
AV	5.1497G	48.86	54.00	-5.14	42.67	3	Horizontal	300	1.76	-	34.00	7.49	35.30
PK	5.1751G	104.55	Inf	-Inf	98.30	3	Horizontal	300	1.76	-	34.00	7.55	35.30
AV	5.1741G	95.94	Inf	-Inf	89.69	3	Horizontal	300	1.76	-	34.00	7.55	35.30

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

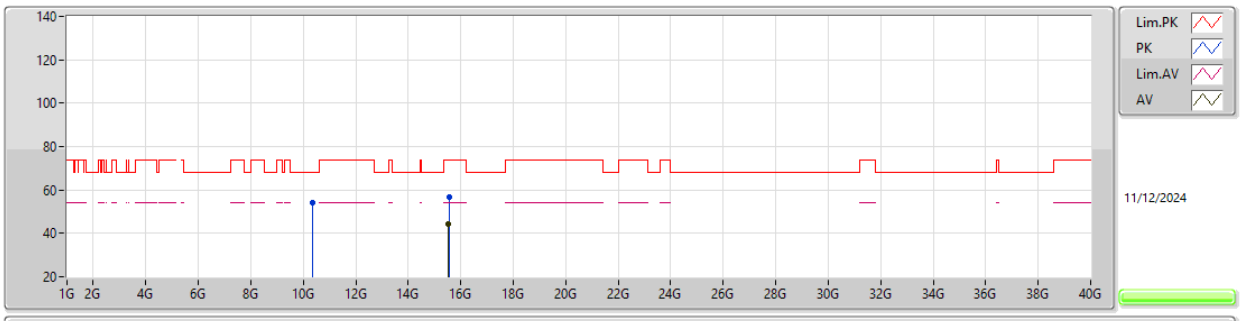


EUT Z_2TX
Setting 33
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.36729G	53.35	68.20	-14.85	38.88	3	Vertical	82	1.71	-	37.97	11.17	34.67
PK	15.53643G	56.65	74.00	-17.35	40.68	3	Vertical	97	2.22	-	38.01	12.90	34.94
AV	15.5418G	44.48	54.00	-9.52	28.54	3	Vertical	97	2.22	-	37.97	12.91	34.94

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

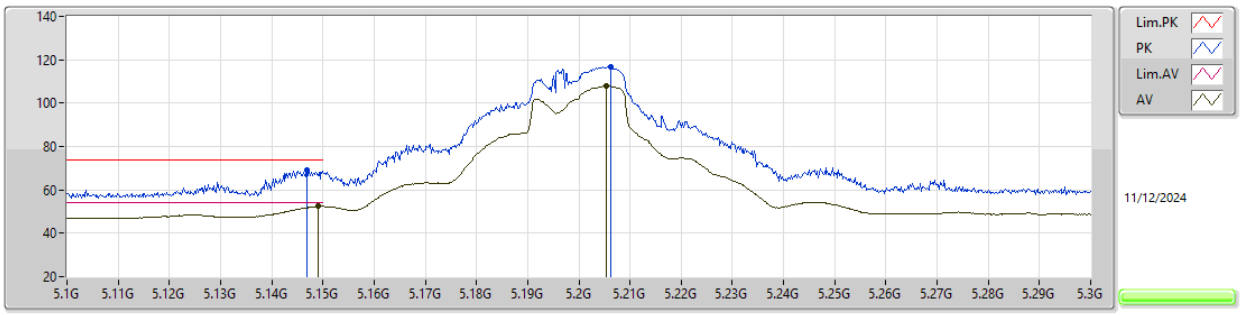


EUT Z_2TX
Setting 33
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.34812G	54.11	68.20	-14.09	39.64	3	Horizontal	174	2.73	-	38.00	11.16	34.69
PK	15.54585G	56.64	74.00	-17.36	40.74	3	Horizontal	145	2.61	-	37.93	12.91	34.94
AV	15.54303G	44.49	54.00	-9.51	28.56	3	Horizontal	145	2.61	-	37.96	12.91	34.94

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

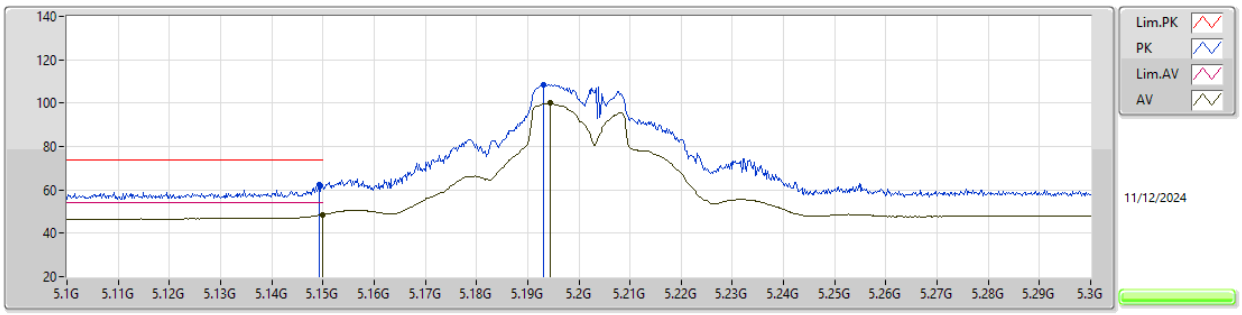


EUT Z_2TX
Setting 44
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1468G	69.11	74.00	-4.89	62.95	3	Vertical	263	1.89	-	33.98	7.48	35.30
AV	5.149G	52.41	54.00	-1.59	46.23	3	Vertical	263	1.89	-	33.99	7.49	35.30
PK	5.2062G	116.64	Inf	-Inf	110.30	3	Vertical	263	1.89	-	34.01	7.62	35.29
AV	5.2054G	108.05	Inf	-Inf	101.71	3	Vertical	263	1.89	-	34.01	7.62	35.29

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

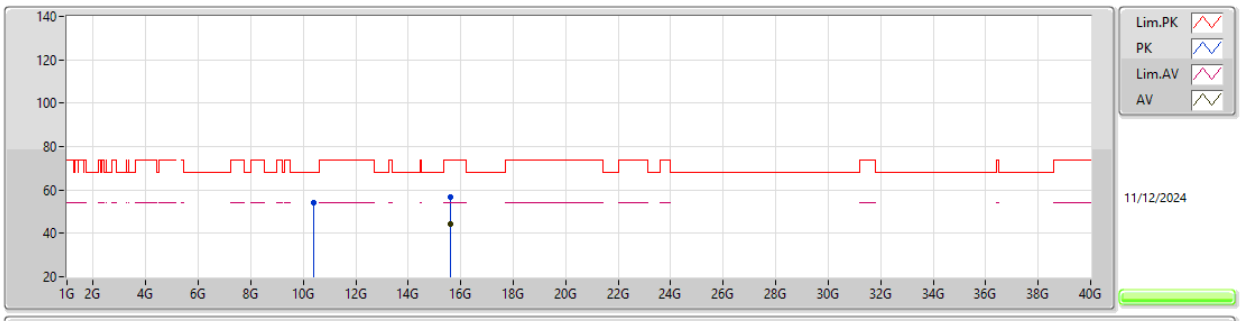


EUT Z_2TX
Setting 44
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	62.61	74.00	-11.39	56.42	3	Horizontal	299	1.93	-	34.00	7.49	35.30
AV	5.15G	48.62	54.00	-5.38	42.43	3	Horizontal	299	1.93	-	34.00	7.49	35.30
PK	5.1932G	108.39	Inf	-Inf	102.10	3	Horizontal	299	1.93	-	34.00	7.59	35.30
AV	5.1944G	99.93	Inf	-Inf	93.63	3	Horizontal	299	1.93	-	34.00	7.60	35.30

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

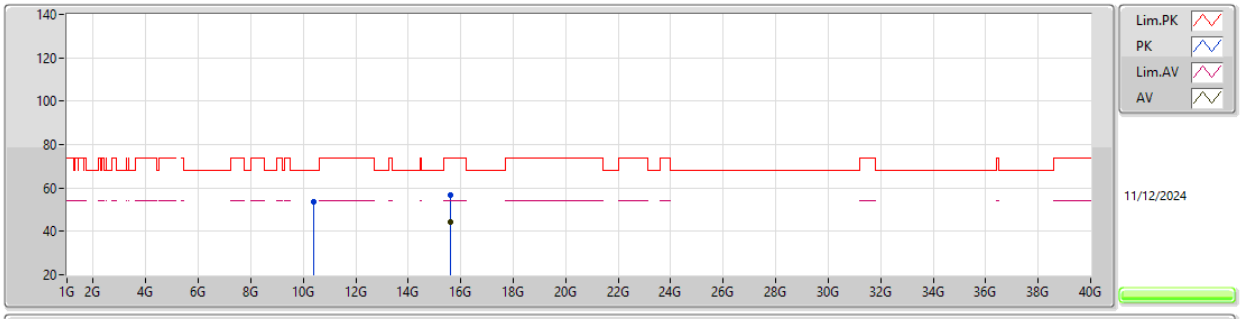


EUT Z_2TX
Setting 44
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.41494G	54.03	68.20	-14.17	39.54	3	Vertical	226	2.08	-	37.90	11.19	34.60
PK	15.5883G	56.59	74.00	-17.41	40.79	3	Vertical	320	2.32	-	37.82	12.94	34.96
AV	15.60618G	44.52	54.00	-9.48	28.72	3	Vertical	320	2.32	-	37.81	12.96	34.97

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

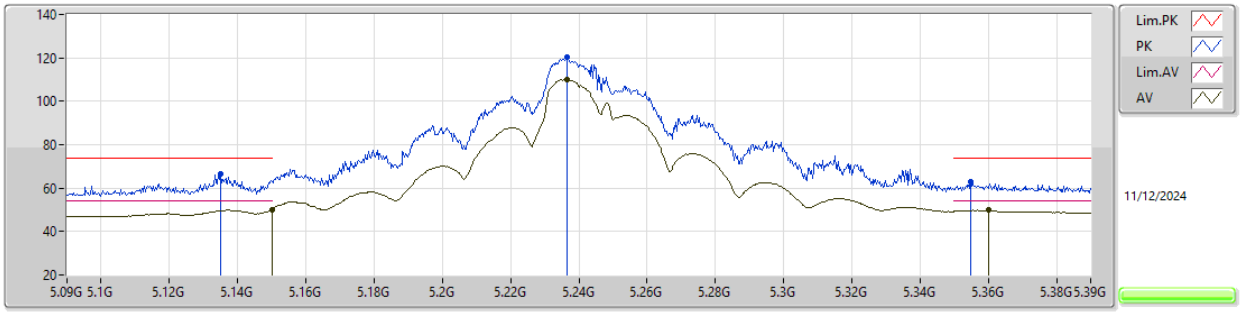


EUT Z_2TX
Setting 44
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39979G	53.65	68.20	-14.55	39.19	3	Horizontal	61	2.03	-	37.90	11.18	34.62
PK	15.61377G	56.72	74.00	-17.28	40.90	3	Horizontal	135	1.26	-	37.83	12.96	34.97
AV	15.60099G	44.49	54.00	-9.51	28.70	3	Horizontal	135	1.26	-	37.80	12.95	34.96

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

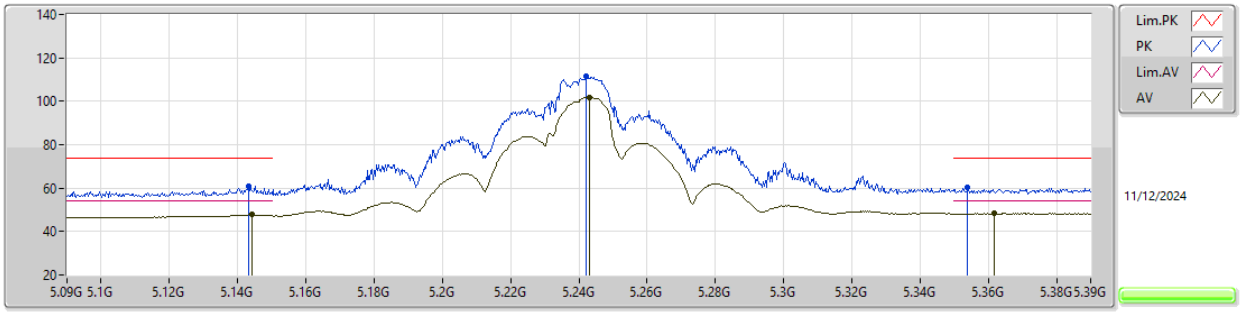


EUT Z_2TX
Setting 58
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.135G	66.56	74.00	-7.44	60.50	3	Vertical	262	1.80	-	33.91	7.46	35.31
AV	5.15G	50.07	54.00	-3.93	43.88	3	Vertical	262	1.80	-	34.00	7.49	35.30
PK	5.2367G	120.43	Inf	-Inf	113.99	3	Vertical	262	1.80	-	34.07	7.66	35.29
AV	5.2367G	110.01	Inf	-Inf	103.57	3	Vertical	262	1.80	-	34.07	7.66	35.29
PK	5.3549G	62.92	74.00	-11.08	55.98	3	Vertical	262	1.80	-	34.41	7.80	35.27
AV	5.36G	50.14	54.00	-3.86	43.18	3	Vertical	262	1.80	-	34.42	7.81	35.27

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

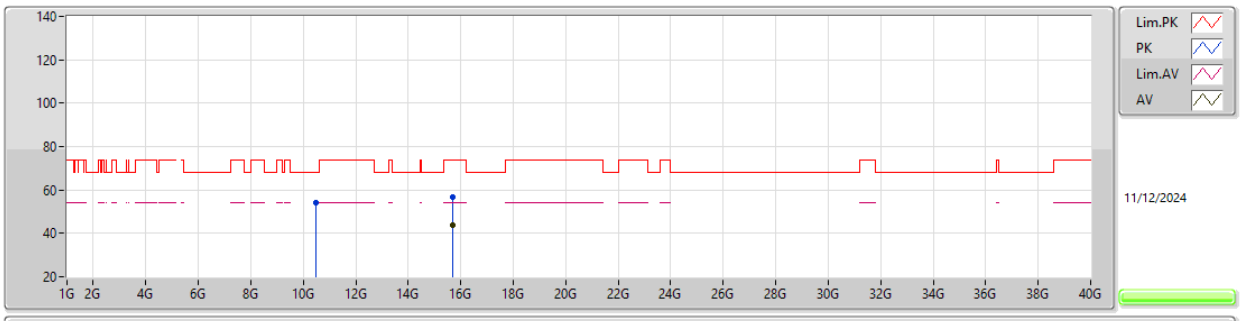


EUT Z_2TX
Setting 58
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1431G	60.72	74.00	-13.28	54.58	3	Horizontal	301	1.73	-	33.96	7.48	35.30
AV	5.1443G	47.72	54.00	-6.28	41.57	3	Horizontal	301	1.73	-	33.97	7.48	35.30
PK	5.2421G	111.35	Inf	-Inf	104.90	3	Horizontal	301	1.73	-	34.08	7.66	35.29
AV	5.243G	101.97	Inf	-Inf	95.51	3	Horizontal	301	1.73	-	34.09	7.66	35.29
PK	5.354G	60.47	74.00	-13.53	53.53	3	Horizontal	301	1.73	-	34.41	7.80	35.27
AV	5.3618G	48.31	54.00	-5.69	41.34	3	Horizontal	301	1.73	-	34.42	7.81	35.26

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

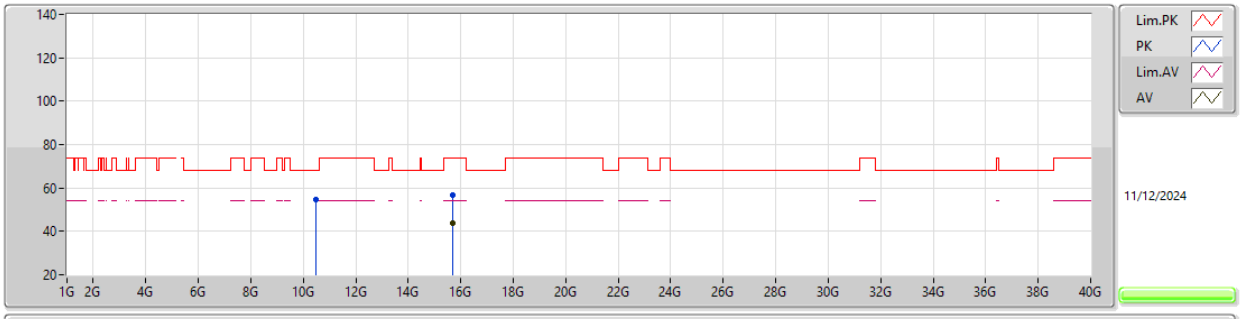


EUT Z_2TX
Setting 58
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48189G	54.09	68.20	-14.11	39.42	3	Vertical	358	1.07	-	37.96	11.22	34.51
PK	15.70728G	56.63	74.00	-17.37	40.61	3	Vertical	71	2.96	-	37.99	13.04	35.01
AV	15.70524G	43.74	54.00	-10.26	27.72	3	Vertical	71	2.96	-	37.99	13.04	35.01

5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

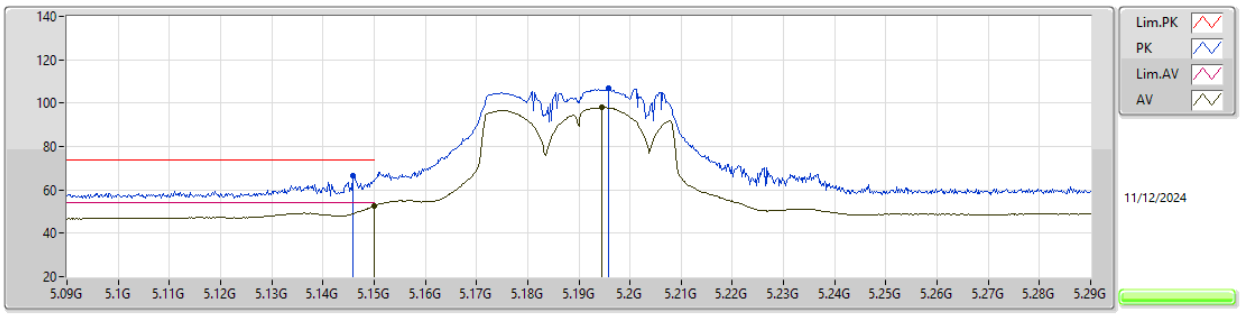


EUT Z_2TX
Setting 58
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.47889G	54.67	68.20	-13.53	40.02	3	Horizontal	164	1.15	-	37.96	11.21	34.52
PK	15.71202G	56.61	74.00	-17.39	40.60	3	Horizontal	198	2.11	-	37.98	13.04	35.01
AV	15.7059G	43.65	54.00	-10.35	27.63	3	Horizontal	198	2.11	-	37.99	13.04	35.01

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

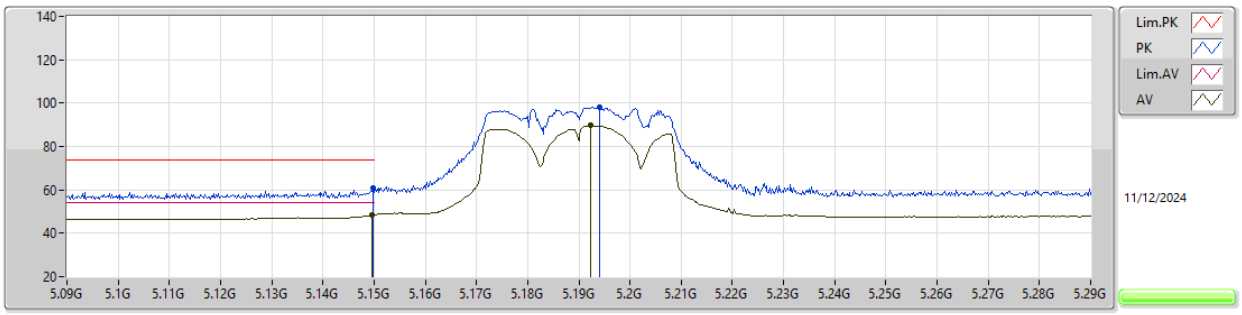


EUT Z_2TX
Setting 26
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1458G	66.53	74.00	-7.47	60.38	3	Vertical	342	1.15	-	33.97	7.48	35.30
AV	5.15G	52.44	54.00	-1.56	46.25	3	Vertical	342	1.15	-	34.00	7.49	35.30
PK	5.1958G	106.77	Inf	-Inf	100.46	3	Vertical	342	1.15	-	34.00	7.60	35.29
AV	5.1946G	97.94	Inf	-Inf	91.63	3	Vertical	342	1.15	-	34.00	7.60	35.29

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

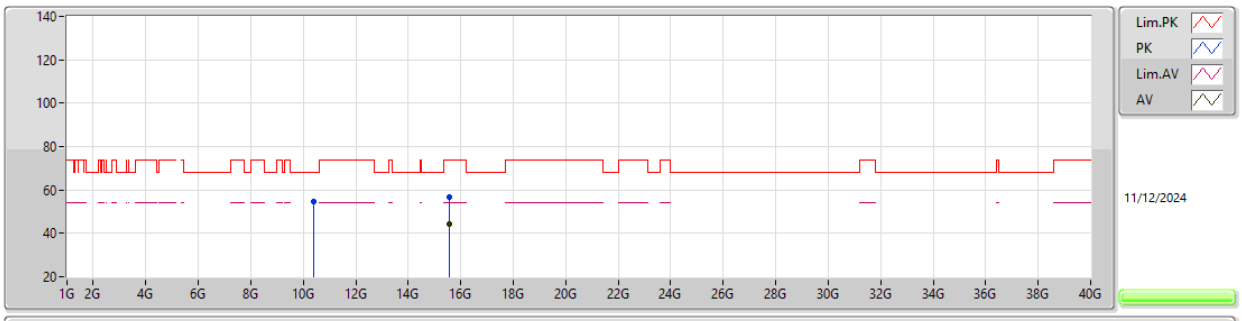


EUT Z_2TX
Setting 26
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1498G	60.67	74.00	-13.33	54.48	3	Horizontal	299	1.96	-	34.00	7.49	35.30
AV	5.1496G	48.37	54.00	-5.63	42.18	3	Horizontal	299	1.96	-	34.00	7.49	35.30
PK	5.194G	98.21	Inf	-Inf	91.91	3	Horizontal	299	1.96	-	34.00	7.60	35.30
AV	5.1922G	89.59	Inf	-Inf	83.30	3	Horizontal	299	1.96	-	34.00	7.59	35.30

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

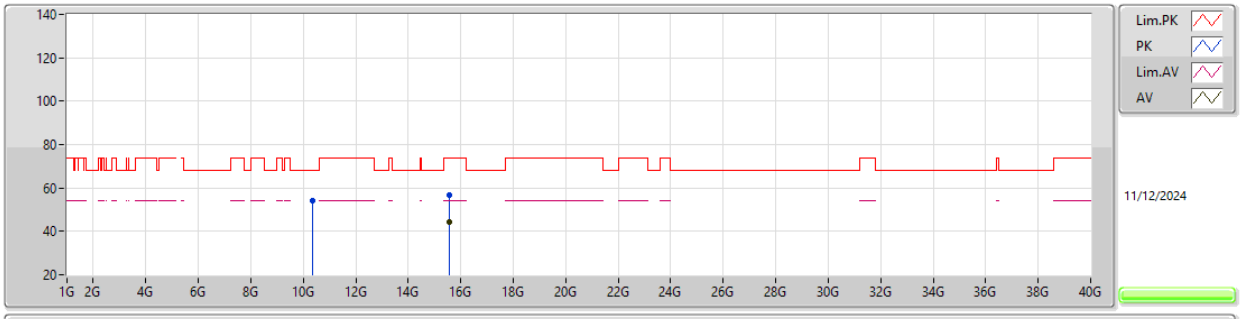


EUT Z_2TX
Setting 26
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.38552G	54.53	68.20	-13.67	40.06	3	Vertical	155	1.28	-	37.93	11.18	34.64
PK	15.57006G	56.96	74.00	-17.04	41.12	3	Vertical	90	2.47	-	37.86	12.93	34.95
AV	15.55629G	44.29	54.00	-9.71	28.42	3	Vertical	90	2.47	-	37.89	12.92	34.94

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

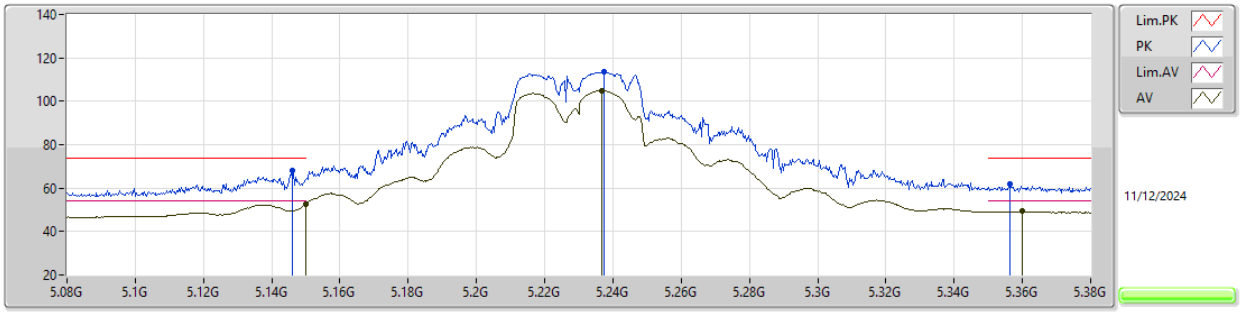


EUT Z_2TX
Setting 26
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.37568G	54.38	68.20	-13.82	39.91	3	Horizontal	161	2.20	-	37.95	11.17	34.65
PK	15.55977G	56.70	74.00	-17.30	40.85	3	Horizontal	13	1.83	-	37.88	12.92	34.95
AV	15.5562G	44.37	54.00	-9.63	28.50	3	Horizontal	13	1.83	-	37.89	12.92	34.94

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

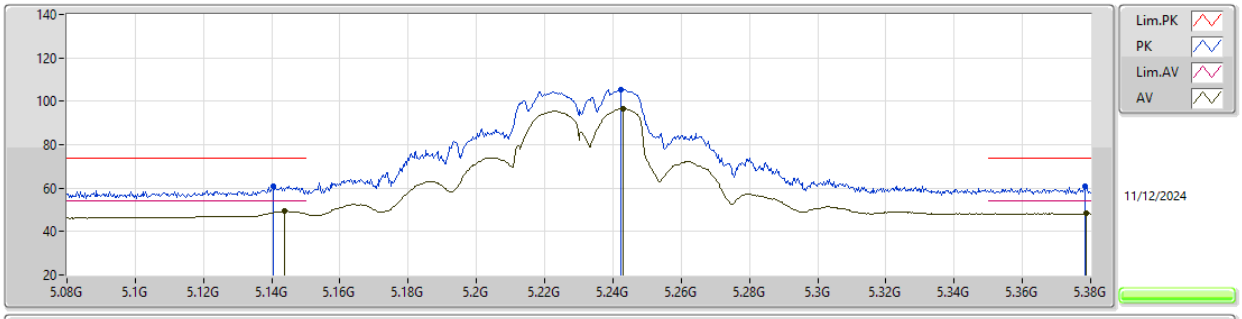


EUT Z_2TX
Setting 42
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	68.23	74.00	-5.77	62.07	3	Vertical	260	1.95	-	33.98	7.48	35.30
AV	5.1499G	52.61	54.00	-1.39	46.42	3	Vertical	260	1.95	-	34.00	7.49	35.30
PK	5.2375G	113.44	Inf	-Inf	106.99	3	Vertical	260	1.95	-	34.08	7.66	35.29
AV	5.2369G	104.93	Inf	-Inf	98.49	3	Vertical	260	1.95	-	34.07	7.66	35.29
PK	5.3563G	62.02	74.00	-11.98	55.07	3	Vertical	260	1.95	-	34.41	7.81	35.27
AV	5.3599G	49.32	54.00	-4.68	42.36	3	Vertical	260	1.95	-	34.42	7.81	35.27

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

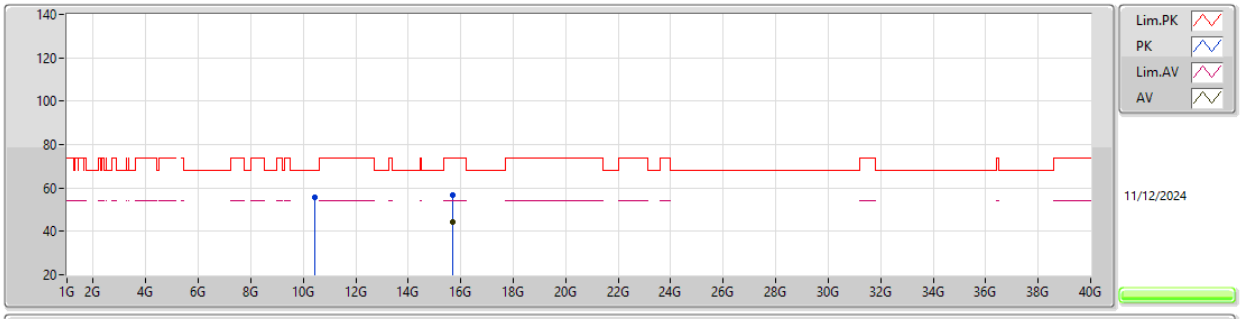


EUT Z_2TX
Setting 42
03-V-V-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1403G	60.75	74.00	-13.25	54.64	3	Horizontal	300	1.73	-	33.94	7.47	35.30
AV	5.1439G	49.38	54.00	-4.62	43.24	3	Horizontal	300	1.73	-	33.96	7.48	35.30
PK	5.2423G	105.45	Inf	-Inf	99.00	3	Horizontal	300	1.73	-	34.08	7.66	35.29
AV	5.2429G	96.63	Inf	-Inf	90.17	3	Horizontal	300	1.73	-	34.09	7.66	35.29
PK	5.3782G	60.79	74.00	-13.21	53.76	3	Horizontal	300	1.73	-	34.46	7.83	35.26
AV	5.3788G	48.26	54.00	-5.74	41.23	3	Horizontal	300	1.73	-	34.46	7.83	35.26

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

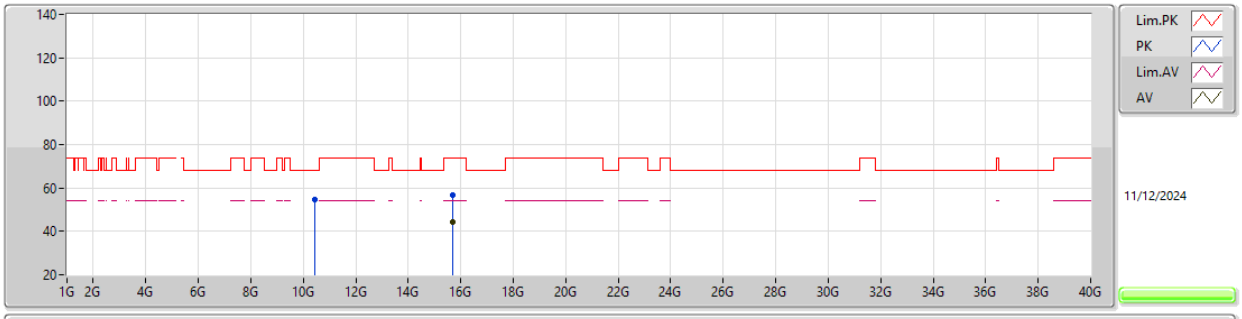


EUT Z_2TX
Setting 42
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.44569G	55.53	68.20	-12.67	40.99	3	Vertical	323	2.97	-	37.90	11.20	34.56
PK	15.68415G	56.49	74.00	-17.51	40.50	3	Vertical	76	2.02	-	37.97	13.02	35.00
AV	15.67818G	44.12	54.00	-9.88	28.15	3	Vertical	76	2.02	-	37.96	13.01	35.00

5.15-5.25GHz_802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX



EUT Z_2TX
Setting 42
03-V-V-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.45832G	54.52	68.20	-13.68	39.94	3	Horizontal	120	1.69	-	37.92	11.21	34.55
PK	15.69693G	56.80	74.00	-17.20	40.79	3	Horizontal	43	1.95	-	37.99	13.03	35.01
AV	15.67791G	44.07	54.00	-9.93	28.10	3	Horizontal	43	1.95	-	37.96	13.01	35.00