



RADIO TEST REPORT

FCC ID : TLZ-XM646

Equipment : IEEE 802.11 a/b/g/n/ac/ax Wireless LAN 1T1R and

BLE/802.15.4 Solution Family 12 x 12 LGA Module

Brand Name : AzureWave

Model Name : AW-XM646G-SUR, AW-XM646G-USB, AW-XM646F-S

UR,AW-XM646F-USB,AW-XM646C-SUR,AW-XM646

C-USB,AW-XM646B-SUR,AW-XM646B-USB

Applicant : AzureWave Technologies, Inc.

8F., No.94, Baozhong Rd., Xindian Dist., New

Taipei City, Taiwan 231

Manufacturer : AzureWave Technologies, Inc.

8F., No.94, Baozhong Rd. , Xindian Dist., New

Taipei City, Taiwan 231

Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 21, 2025, and testing was started from Mar. 21, 2025 and completed on Apr. 07, 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.)

TEL: 886-3-656-9065 FAX: 886-3-656-9085

Report Template No.: CB-A12_6 Ver2.0

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Issued Date : Apr. 16, 2025

Report Version : 01

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Report No.: FR521124AE

Report Version : 01

History of this test report

Report No. : FR521124AE

Report No.	Version	Description	Issued Date
FR521124AE	01	Initial issue of report	Apr. 16, 2025

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Summary of Test Result

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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 EIRP Output Power	PASS	-
3.4	15.407(a)	EIRP 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:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen Report Producer: Wendy Pan

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1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5725-5895	a, n (HT20), ac (VHT20), ax (HEW20)	5845-5885	169-177 [3]

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Band	Mode	BWch	Nant
5.725-5.895GHz	802.11a	20	1TX
5.725-5.895GHz	802.11n HT20	20	1TX
5.725-5.895GHz	802.11ac VHT20	20	1TX
5.725-5.895GHz	802.11ax HEW20	20	1TX

Note:

- 11a, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

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1.1.2 Antenna Information

						Gain (dBi)
Ant.	Port	Brand	Model Name	Antenna	Connector	WLAN 2.4GHz,	
AIII.	Port	Dialiu	Woder Name	Type	Connector	Bluetooth and	WLAN 5GHz
						Thread	
1	1	ARISTOTLE	RFA-27- JP326MHF4C198	PIFA Antenna	I-PEX	3.5	5

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Note 2: The above information was declared by manufacturer.

Note 3: For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax (1TX/1RX):

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

For 5GHz function:

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

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

For Bluetooth/Thread function (1TX/1RX):

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

1.1.3 Test Mode of Partial RU

Mode	Partial RU		
802.11ax HEW20	26	52	106

1.1.4 Mode Test Duty Cycle

For Full RU:

Mode	DC	DCF	Т	VBW
		(dB)	(s)	(Hz)_1/T
802.11a_Nss 1,(6D)	0.996	0.02	5.753m	10Hz (DC>=0.98)
802.11ax HEW20_Nss 1,(M0)	0.994	0.03	7.369m	10Hz (DC>=0.98)

For Partial RU:

Mode	DC	DCF	T	VBW
		(dB)	(s)	(Hz)_1/T
802.11ax HEW20_Nss 1,(M0),RU26	0.957	0.19	1.362m	1k
802.11ax HEW20_Nss 1,(M0),RU52	0.957	0.19	1.362m	1k
802.11ax HEW20_Nss 1,(M0),RU106	0.956	0.2	1.359m	1k

Note:

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

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1.1.5 EUT Operational Condition

EUT Power Type	Fror	n host system			
Beamforming Function		With beamforming	\boxtimes	Without beamforming	
Function	\boxtimes	Point-to-multipoint		Point-to-point	
Doving Type		Indoor Access Point Subordinate			
Device Type					
		Supported Static Puncturing			
Channel Puncturing Function		Supported Dynamic Pund	cturir	ng (Reduce BW)	
	\boxtimes	Unsupported			
Support RU	\boxtimes	Full RU 🖂 Partial RU			
Test Software Version	labto	otool 2.0.0.22			

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Note: The above information was declared by manufacturer.

1.1.6 Table for Multiple Listing

The difference for each model is shown as below:

EUT	Model Name	WLAN 2.4G	WLAN 5G	Bluetooth	802.15.4	Interface	
1	AW-XM646G-SUR	V	V	V	V	SUR	
2	AW-XM646G-USB	V	V	V	V	USB	
-	AW-XM646F-SUR	V	V	V	Х	SUR	
-	AW-XM646F-USB	V	V	V	Х	USB	
-	AW-XM646C-SUR	V	Х	V	V	SUR	
-	AW-XM646C-USB	V	Х	V	V	USB	
-	AW-XM646B-SUR	V	Х	V	Х	SUR	
-	AW-XM646B-USB	V	Х	V	Х	USB	
Description							
In additio	n to the differences ment	tioned above, the	re are differer	ces in marketi	ng strategy.		

Note 1: From the above EUT, EUT 1 for WLAN 2.4GHz/Thread/Bluetooth and EUT 2 for WLAN 5GHz were selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

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1.2 Applicable Standards

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

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- 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 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01 FCC KDB 291074 D02 v01

1.3 Testing Location Information

Testing Location Information

Test Lab.: Sporton International Inc. Hsinchu Laboratory

Hsinchu ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085

Test site Designation No. TW3787 with FCC.

Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Mason Chen	21.2~22.6 / 58~61	Mar. 24, 2025~ Mar. 29, 2025
Radiated below 1GHz	03CH06-CB	Eason Chen	21.9~23.1 / 60~62	Mar. 21, 2025~ Mar. 29, 2025
Radiated above 1GHz	03CH02-CB	Eason Chen	21.5~23.3 / 58~61	Mar. 21, 2025~ Mar. 29, 2025
Radiated Co-Location	03CH03-CB	Eason Chen	21.6~23.1 / 58~62	Mar. 21, 2025~ Mar. 29, 2025
AC Conduction	CO02-CB	Joe Chu	23~24 / 50~51	Apr. 07, 2025

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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%

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confidence level (based on a coverage factor (k=2)

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%

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2 Test Configuration of EUT

2.1 Test Channel Mode

For Full RU:

TOLIULINO.	
	Mode
	802.11a_Nss1,(6Mbps)_1TX
	5845MHz
	5865MHz
	5885MHz
	802.11ax HEW20_Nss1,(MCS0)_1TX
	5845MHz
	5865MHz
	5885MHz

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For Partial RU:

For Partial RU:		
	Mode	
	802.11ax HEW20_Nss1,(MCS0),RU26,#RU0_1TX	
	5865MHz	
	802.11ax HEW20_Nss1,(MCS0),RU52,#RU37_1TX	
	5865MHz	
	802.11ax HEW20_Nss1,(MCS0),RU106,#RU53_1TX	
	5865MHz	
	802.11ax HEW20_Nss1,(MCS0),RU26,#RU8_1TX	
	5885MHz	
	802.11ax HEW20_Nss1,(MCS0),RU52,#RU40_1TX	
	5885MHz	
	802.11ax HEW20_Nss1,(MCS0),RU106,#RU54_1TX	
	5885MHz	

Note:

• HEW20 covers HT20/VHT20 due to similar modulation. The power setting for HT20/VHT20 is the same or lower than HEW20.

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2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests		
Tests Item	AC power-line conducted emissions	
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz	
Operating Mode	CTX	
1	1 EUT 1 + Bluetooth	
2	EUT 2 + Bluetooth	
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 5 will follow this same test mode.		
3	EUT 1 + WLAN 2.4GHz	
4	4 EUT 1 + Thread	
5	5 EUT 1 + WLAN 5GHz	
For operating mode 4 is the worst case and it was record in this test report.		

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The Worst Case Mode for Following Conformance Tests			
Tests Item Emission Bandwidth Maximum EIRP Output Power			
Test Condition Conducted measurement at transmit chains			
The EUT was performed at EUT 1 and EUT 2 for Radiated emission above 1GHz test, and the worst case was found as EUT 2. Thus, the measurement will follow this same test configuration.			
1 EUT 2			

The Worst Case Mode for Following Conformance Tests		
Tests Item EIRP Power Spectral Density		
Test Condition Conducted measurement at transmit chains		
The EUT was performed at EUT 1 and EUT 2 for Radiated emission above 1GHz test, and the worst case was found as EUT 2. Thus, the measurement will follow this same test configuration.		
1 EUT 2 - Full RU		
2 EUT 2 - Partial RU		

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Th	The Worst Case Mode for Following Conformance Tests		
Tests Item	sts 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.		
	CTX		
Operating Mode < 1GHz	The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found as below. Thus, the measurement will follow this same test configuration.		
1	EUT 1 in X axis + WLAN 2.4GHz		
2	EUT 2 in X axis + WLAN 2.4GHz		
Mode 1 has been evaluate follow this same test mode	ed to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 5 will \cdot .		
3	EUT 1 in X axis + Bluetooth		
4	EUT 1 in Z axis + WLAN 5GHz		
5	EUT 1 in Z axis + Thread		
For operating mode 1 is th	e worst case and it was record in this test report.		
	CTX		
Operating Mode > 1GHz	1. The EUT was performed at X axis, Y axis and Z axis position the worst case was found as below. Thus, the measurement will follow this same test configuration.		
	2. The EUT 1 and EUT 2 performed the testing, and the worst case was found in EUT 2. Thus, the measurement will follow this same test configuration.		
1	EUT 2 in Z axis - Full RU		
2	EUT 2 in Z axis - Partial RU		

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The Worst Case Mode for Following Conformance Tests			
Tests Item Simultaneous Transmission Analysis - Radiated Emission Co-location			
Test Condition Radiated measurement			
	Normal Link		
Operating Mode	The EUT was performed at EUT 1 and EUT 2 for Radiated emission above 1GHz test, and the worst case was found as EUT 1. Thus, the measurement will follow this same test configuration.		
1	EUT 1 + Bluetooth+WLAN 2.4GHz		
2	2 EUT 1 + Bluetooth+WLAN 5GHz		
Refer to Appendix F for Radiated Emission Co-location.			

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The Worst Case Mode for Following Conformance Tests		
Tests Item Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation		
Operating Mode		
1 Bluetooth + WLAN 2.4GHz		
2 Bluetooth + WLAN 5GHz		
Refer to Sporton Test Report No.: FA521124 for Co-location RF Exposure Evaluation.		

2.3 EUT Operation during Test

For Normal Link:

During the test, the EUT operation to normal function.

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

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2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
Α	EUT Fixture	Azurewave	2460-i4	N/A
В	Thread Fixture	Azurewave	3510	N/A
С	NB	DELL	E6430	N/A
D	Earphone	e-Power	GT02	N/A
Е	Mouse	acer	MOBVUO	N/A
F	NB	DELL	E6430	N/A
G	USB HUB	INTOPIC	HB-16	N/A

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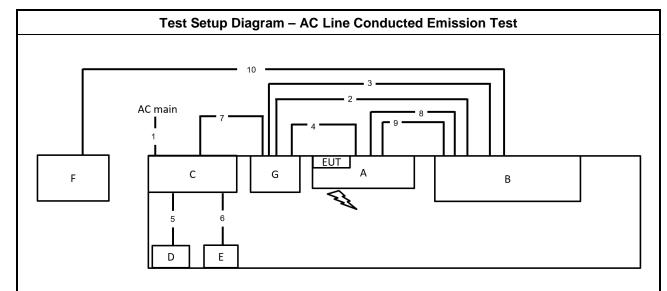
For Radiated and RF Conducted:

	Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID	
Α	Notebook	DELL	E4300	N/A	
В	WLAN/Bluetooth Fixture	AzureWave	2460-i6	N/A	
С	EUT Fixture	Azurewave	2460-i4	N/A	

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Test Setup Diagram 2.6

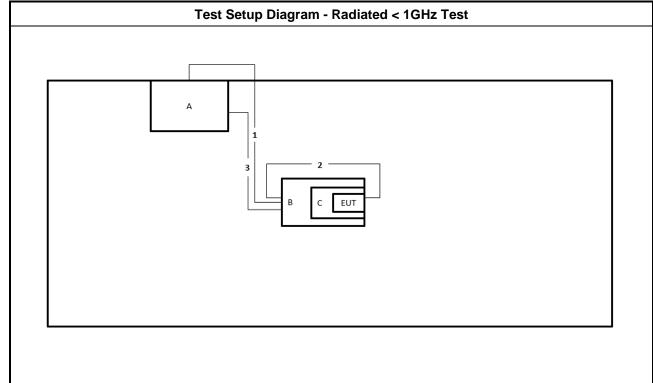


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Item	Connection	Shielded	Length
1	Power cable	No	2.3m
2	Type C USB cable	Yes	1m
3	Micro USB cable	Yes	1.2m
4	Type C USB cable	Yes	1m
5	Audio cable	No	1.2m
6	USB cable	Yes	1.2m
7	USB cable	Yes	0.1m
8	IPEX Cable*6	Yes	0.1m
9	IPEX Cable	Yes	0.2m
10	RJ-45 cable	No	10m

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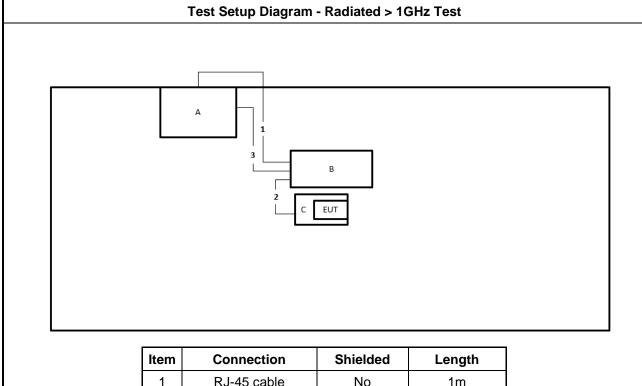




Item	Connection	Shielded	Length
1	RJ-45 cable	No	1m
2	Type-C USB cable	Yes	1m
3	Type-C USB cable	Yes	1m

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Item	Connection	Shielded	Length
1	RJ-45 cable	No	1m
2	Type-C USB cable	Yes	1m
3	Type-C USB cable	Yes	1m

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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		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.		

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3.1.2 Measuring Instruments

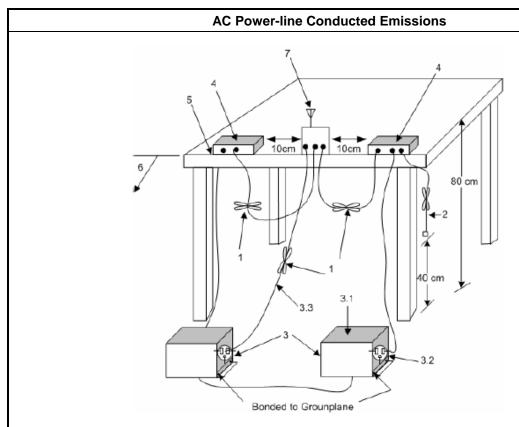
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

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3.1.4 Test Setup



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.

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- 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

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3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit		
UNII Devices		
For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.		
LE-LAN Devices		
For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.		

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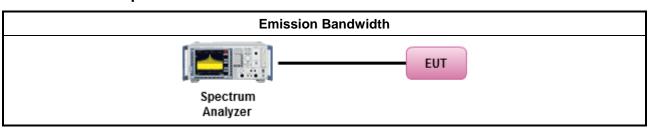
3.2.2 Measuring Instruments

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:		
	\boxtimes	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



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

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3.3 Maximum EIRP Output Power

3.3.1 Limit

	Maximum EIRP Output Power Limit			
UNI	UNII Devices			
\boxtimes	☑ For the 5.85-5.895 GHz band:			
	■ Indoor AP & subordinate device < 36 dBm			
	■ Client device < 30 dBm			
LE-I	LAN Devices			
	For the 5.85-5.895 GHz band:			
	 Indoor AP & subordinate device < 36 dBm 			
	■ Indoor client device < 30 dBm			
	■ Fixed outdoor AP device < 36 dBm			
	■ Fixed outdoor client device < 30 dBm			

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3.3.2 Measuring Instruments

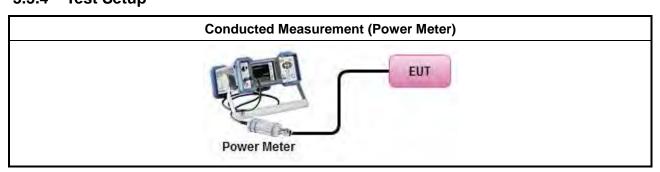
Refer a test equipment and calibration data table in this test report.

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)		
	Videband 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).		
\boxtimes	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-sur 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: Ptotal = P1 + P2 + + Pn (calculated in linear unit [mW] and transfer to log unit [dBm]) EIRPtotal = Ptotal + 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.		

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3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C

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3.4 EIRP Power Spectral Density

3.4.1 Limit

	EIRP Power Spectral Density Limit		
UNI	UNII Devices		
\boxtimes			
	■ Indoor AP & subordinate device < 20dBm/MHz		
	■ Client device < 14dBm/MHz		
LE-I	LE-LAN Devices		
	☐ For the 5.85-5.895 GHz band:		
	■ Indoor AP & subordinate device < 20 dBm/MHz		
	■ Indoor client device < 14 dBm/MHz		
	■ Fixed outdoor AP device < 23 dBm/MHz		
	■ Fixed outdoor client device < 17 dBm/MHz		

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3.4.2 Measuring Instruments

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

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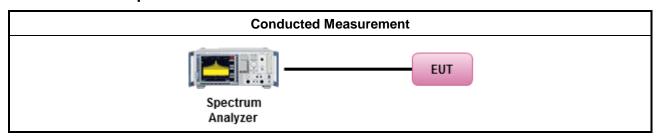
3.4.3 Test Procedures

		Test Method
•	outp func	k power spectral density procedures that the same method as used to determine the conducted ut power shall be used to determine the peak power spectral density and use the peak search tion on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density 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]
	\boxtimes	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
	\boxtimes	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)
\boxtimes	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 + + 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.

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3.4.4 Test Setup



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3.4.5 Test Result of EIRP Power Spectral Density

Refer as Appendix D

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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

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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.

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	Un-restricted band emissions above 1GHz Limit			
	Operating Band	Limit		
	UNII Devices 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.725 GHz.		
	LE-LAN Devices 5.85 - 5.895 GHz	(i) Fixed outdoor access points and fixed outdoor client devices shall not exceed -27 dBm/MHz e.i.r.p. spectral density at or above the 5895 MHz band edge. (ii) Indoor access points or indoor subordinate devices shall not exceed 15 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -7 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz. (iii) Client devices shall not exceed -5 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -27 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.		
Not	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 she 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-densing measurements).			

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3.5.2 Measuring Instruments

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

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3.5.3 Test Procedures

Test Method

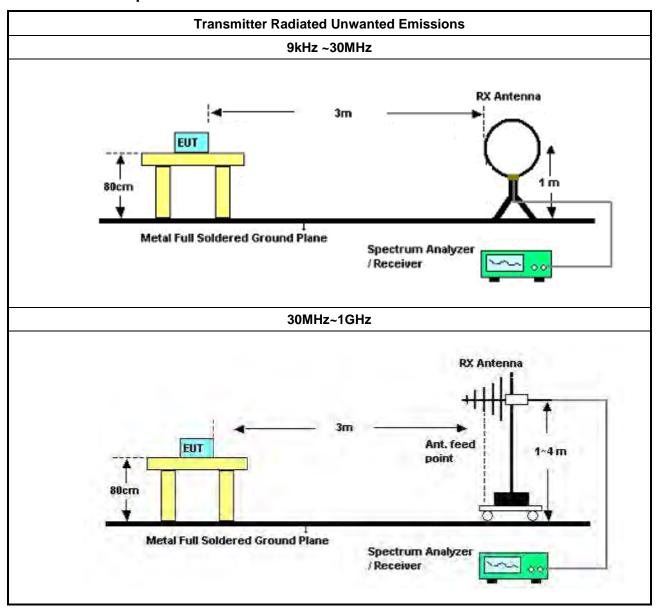
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- Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance 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.

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3.5.4 Test Setup



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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

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4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics Calibration Date		Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz		Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Feb. 06, 2025	Feb. 05, 2026	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	02	0.15MHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 02, 2024	Nov. 01, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+68	30MHz~1GHz	Oct. 24, 2024	Oct. 23, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 23, 2025	Mar. 22, 2026	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz		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)

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Instrument	Brand	Model No.	Serial No.	Characteristics Calibration Date		Calibration Due Date	Remark
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)
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-7.115G Hz	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	Feb. 20, 2025	Feb. 19, 2026	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)
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-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 2025	Conducted (TH01-CB)

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Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE-15407 _NII	V5.11. 23	5.15GHz-7.115G Hz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

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

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Conducted Emissions at Powerline

Appendix A

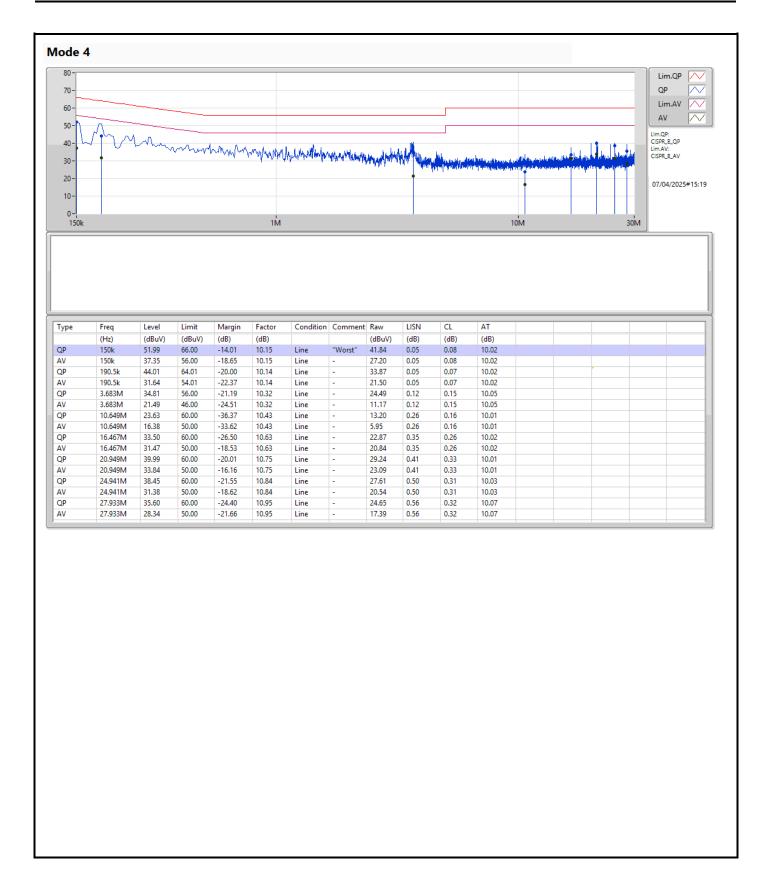
Summary

Mode	Result	Туре	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 4	Pass	QP	150k	51.99	66.00	-14.01	Line

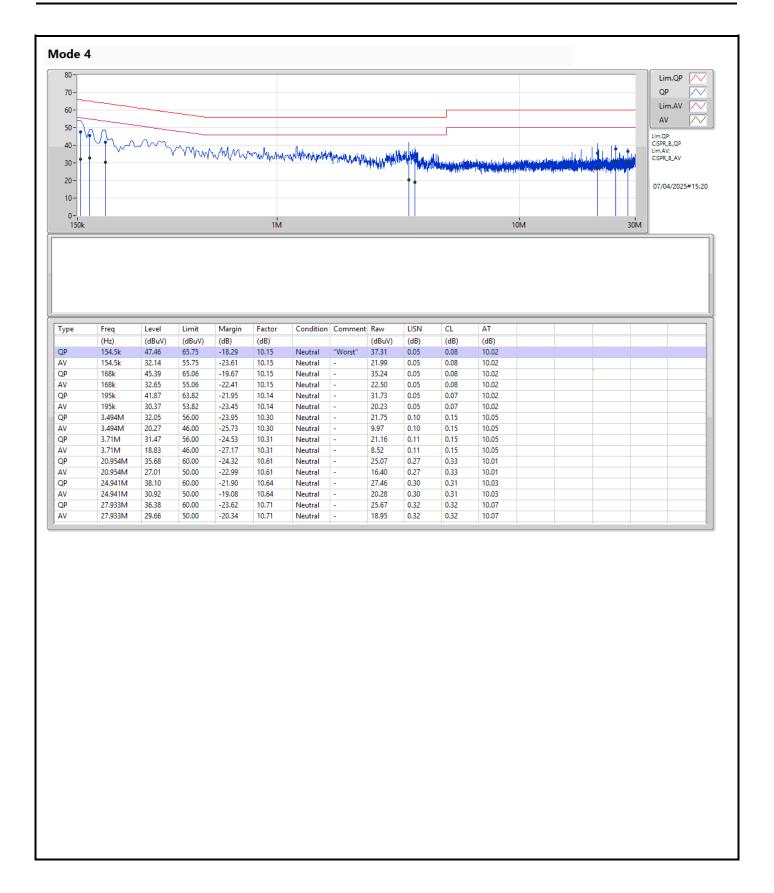
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Appendix B **EBW**

Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
5.725-5.895GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.445M	16.706M	16M7D1D	16.335M	16.525M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.865M	18.895M	18M9D1D	17.655M	18.764M

 $\label{eq:max-NdB} Max - N \ dB = Maximum \ 6dB \ down \ bandwidth \ for \ 5.725-5.85 \ GHz \ band \ / \ Maximum \ 26dB \ down \ bandwidth \ for \ other \ band; \\ Max - OBW = Maximum \ 99\% \ occupied \ bandwidth; \\ Min - N \ dB = Minimum \ 6dB \ down \ bandwidth \ for \ 5.725-5.85 \ GHz \ band \ / \ Maximum \ 26dB \ down \ bandwidth \ for \ other \ band; \\ Min - OBW = Minimum \ 99\% \ occupied \ bandwidth \ for \ other \ band; \\ Min - OBW = Minimum \ 99\% \ occupied \ bandwidth \ for \ other \ band; \\ Min - OBW = Minimum \ 99\% \ occupied \ bandwidth \ for \ other \ band; \\ Min - OBW = Minimum \ 99\% \ occupied \ bandwidth \ for \ other \ bandwidth \ for \ other$

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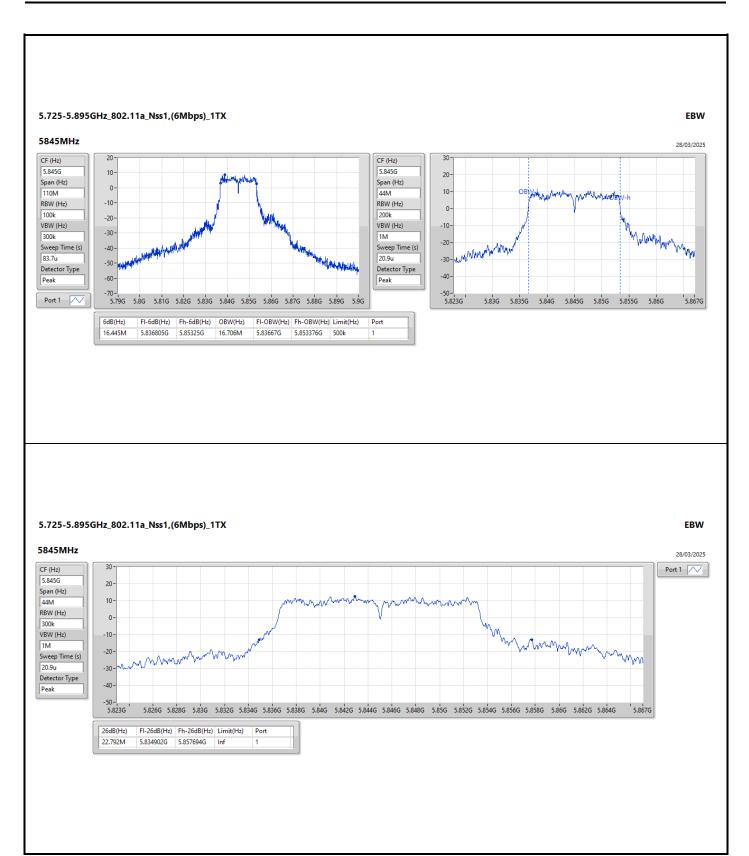
Result

Mode	Result	Limit	Port 1-N dB	Port 1-OBW
		(Hz)	(Hz)	(Hz)
802.11a_Nss1,(6Mbps)_1TX	-	=	=	-
5845MHz	Pass	500k	16.445M	16.706M
5865MHz	Pass	500k	16.335M	16.585M
5885MHz	Pass	500k	16.445M	16.525M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	=	=	-
5845MHz	Pass	500k	17.655M	18.893M
5865MHz	Pass	500k	18.865M	18.895M
5885MHz	Pass	500k	17.875M	18.764M

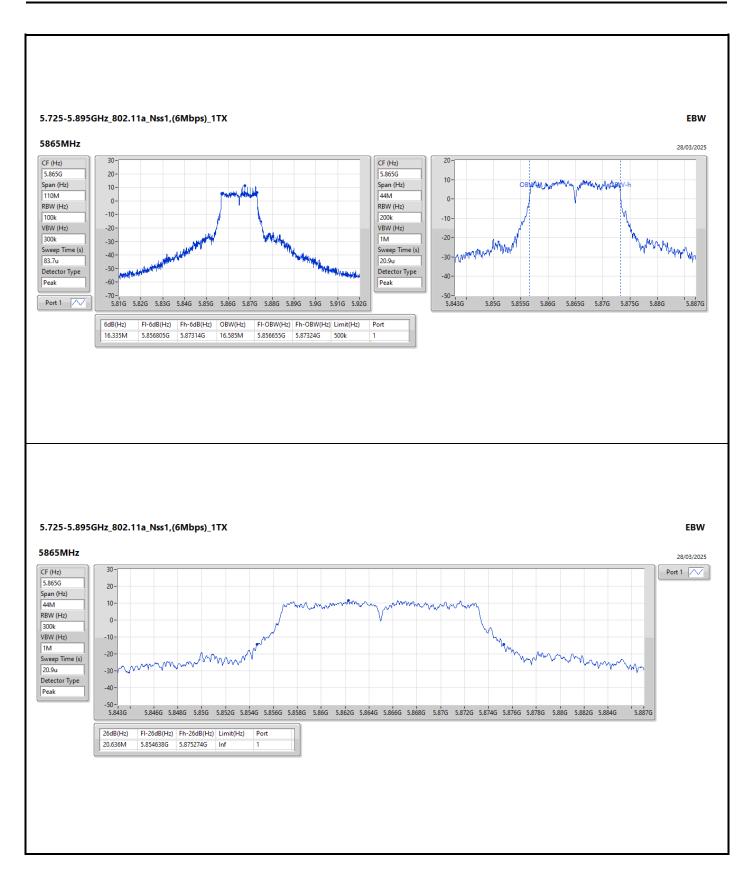
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band Port X-OBW = Port X 99% occupied bandwidth

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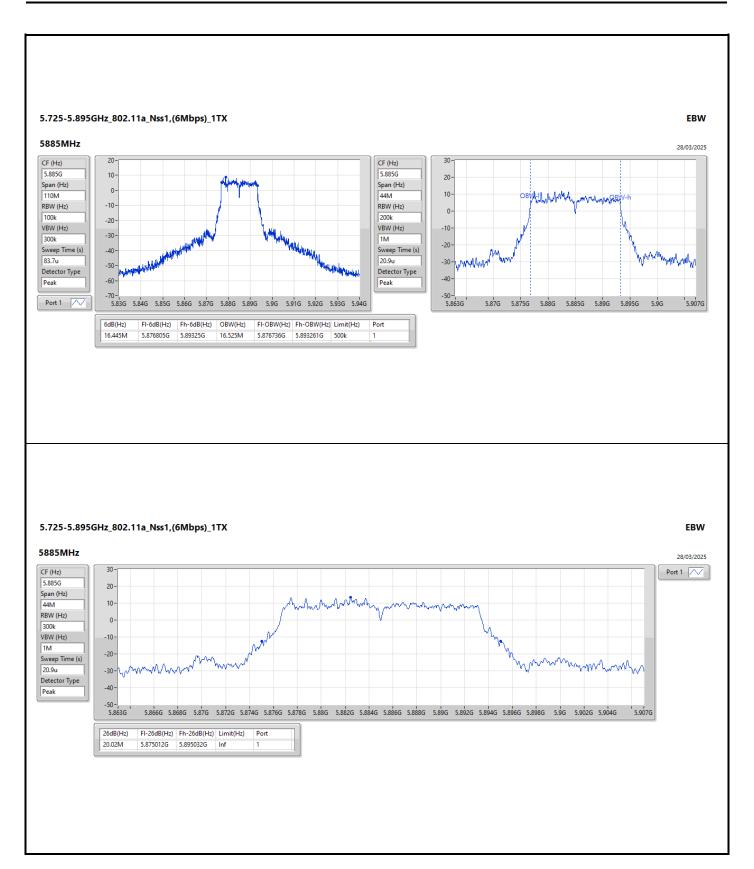
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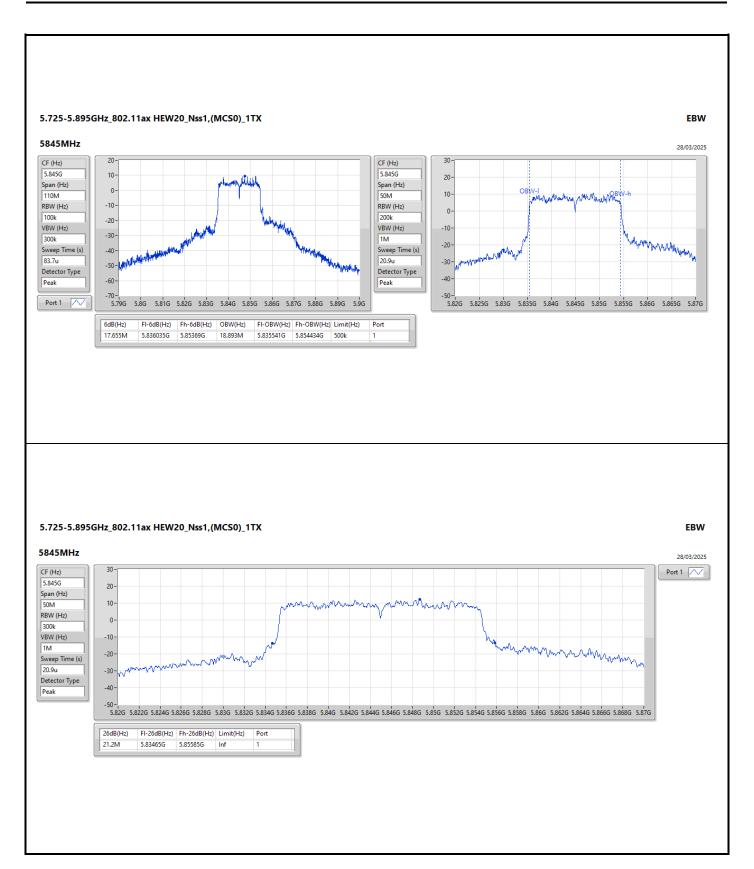
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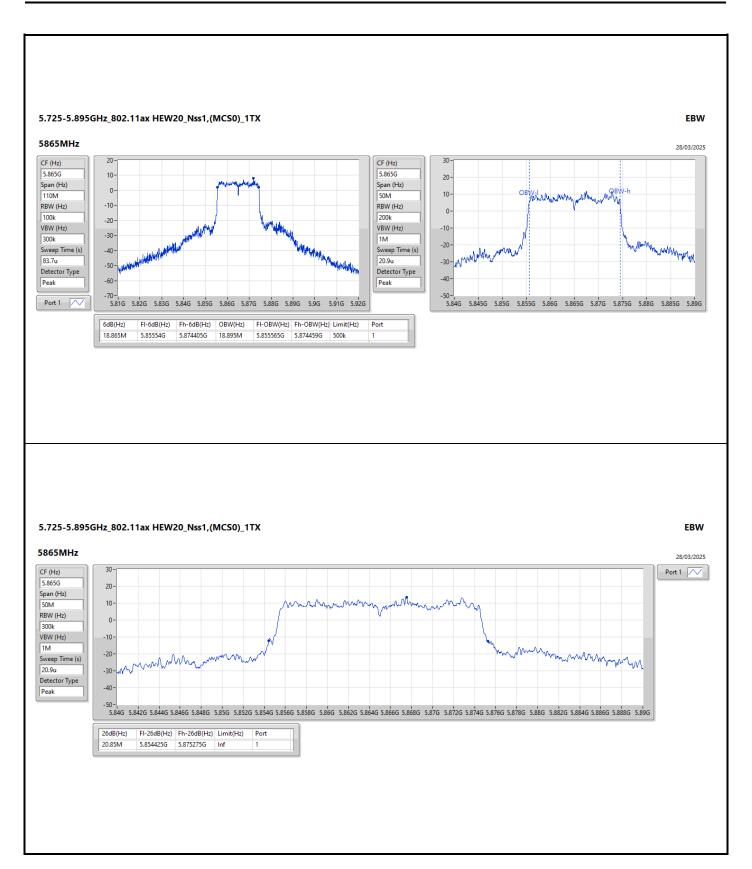
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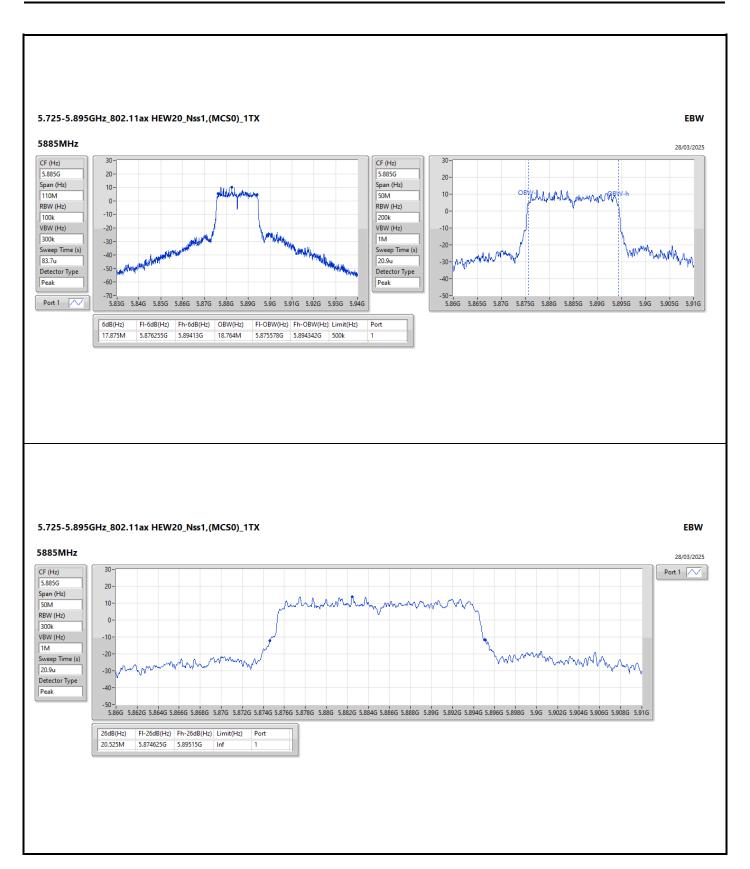
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Average Power Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)	
5.725-5.895GHz	-	-	-	-	
802.11a_Nss1,(6Mbps)_1TX	22.35	0.17179	27.35	0.54325	
802.11ax HEW20_Nss1,(MCS0)_1TX	22.23	0.16711	27.23	0.52845	

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Appendix C Average Power

Result

Mode	Result	DG	Port 1	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	=	-	-	=
5845MHz	Pass	5.00	22.35	22.35	Inf	27.35	30.00
5865MHz	Pass	5.00	21.74	21.74	Inf	26.74	30.00
5885MHz	Pass	5.00	21.64	21.64	Inf	26.64	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	=	·	i e	=	-
5845MHz	Pass	5.00	22.18	22.18	Inf	27.18	30.00
5865MHz	Pass	5.00	22.23	22.23	Inf	27.23	30.00
5885MHz	Pass	5.00	22.09	22.09	Inf	27.09	30.00

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

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Appendix D.1 **PSD**

Test Mode: Mode 1 Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.895GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.87	13.87
802.11ax HEW20_Nss1,(MCS0)_1TX	8.81	13.81

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

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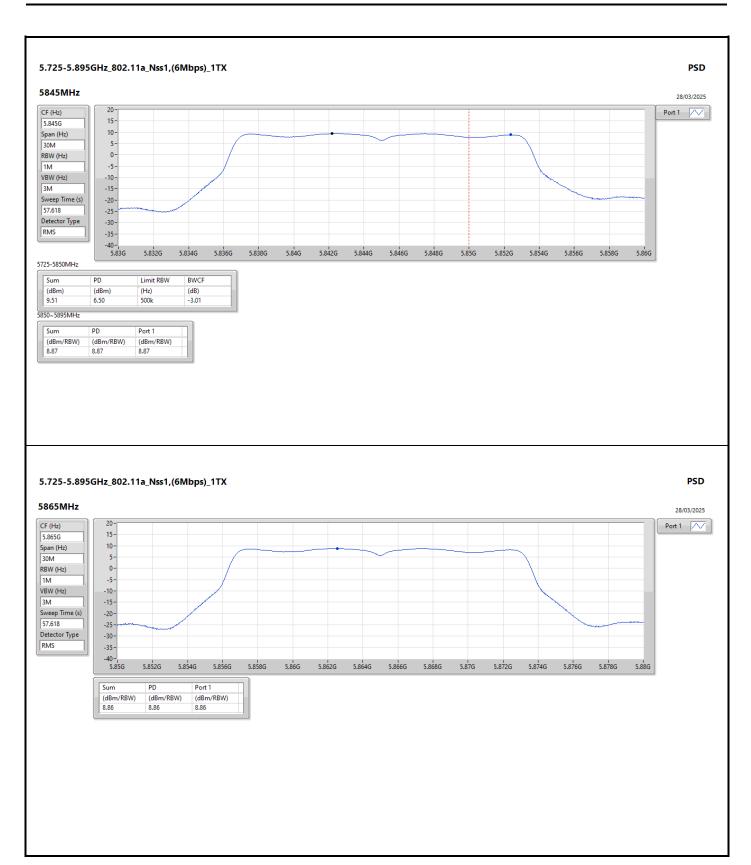
Appendix D.1 **PSD**

Result

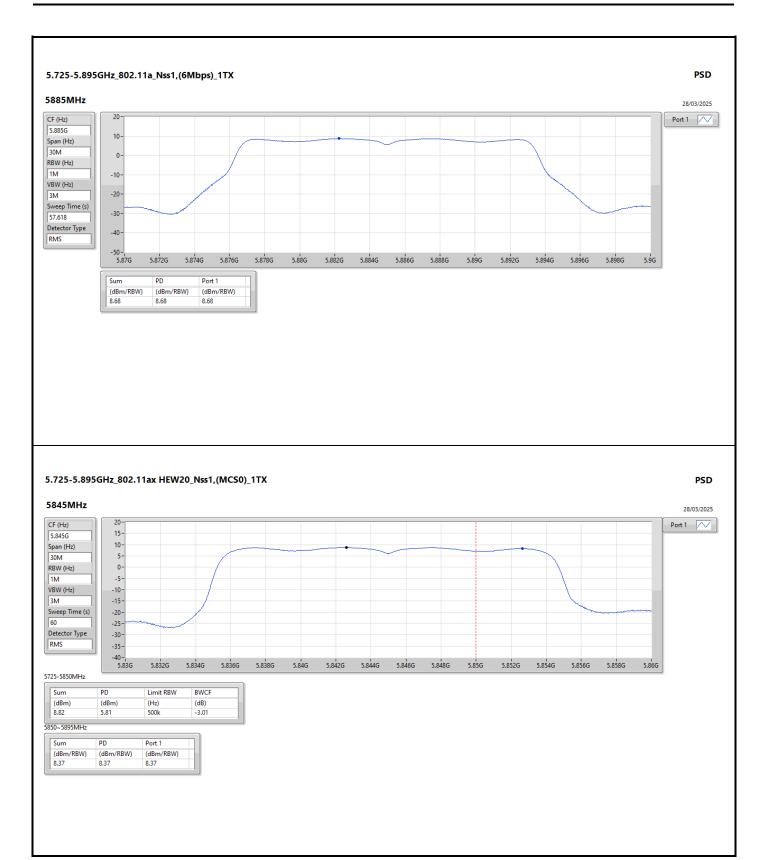
Mode	Result	DG	Port 1	PD	PD PD Limit		EIRP PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	=	=	=	=	=
5845MHz	Pass	5.00	8.87	8.87	Inf	13.87	14.00
5865MHz	Pass	5.00	8.86	8.86	Inf	13.86	14.00
5885MHz	Pass	5.00	8.68	8.68	Inf	13.68	14.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	=	-	-	-	ī	=
5845MHz	Pass	5.00	8.37	8.37	Inf	13.37	14.00
5865MHz	Pass	5.00	8.81	8.81	Inf	13.81	14.00
5885MHz	Pass	5.00	8.75	8.75	Inf	13.75	14.00

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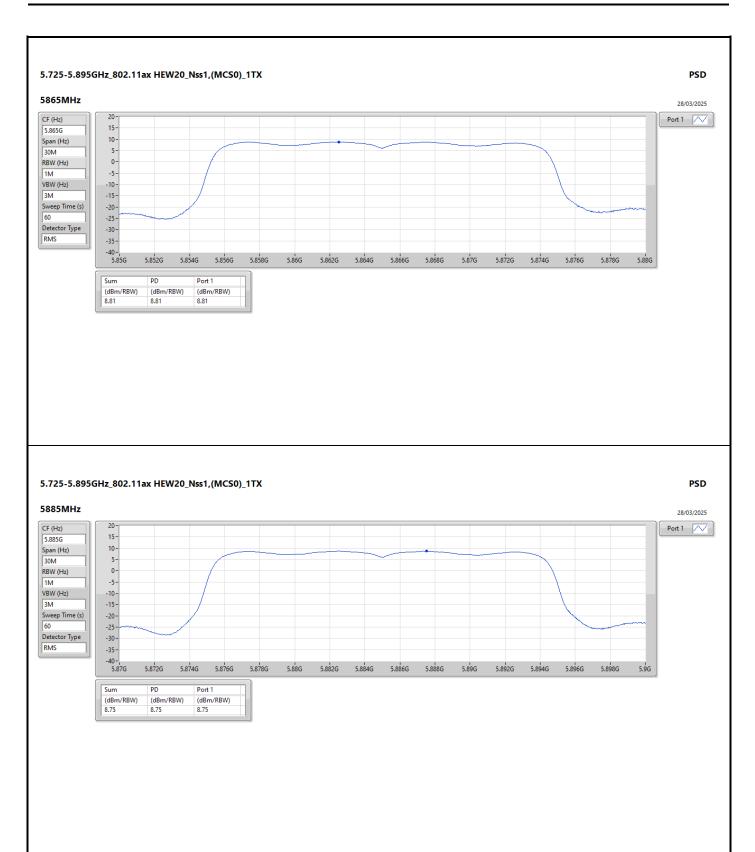
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band; PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density; Inf = There's no restriction for the limit.



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Test Mode: Mode 2 Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)		
5.725-5.895GHz	-	-		
802.11ax HEW20_Nss1,(MCS0)_1TX	8.72	13.72		

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

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Appendix D.2 **PSD**

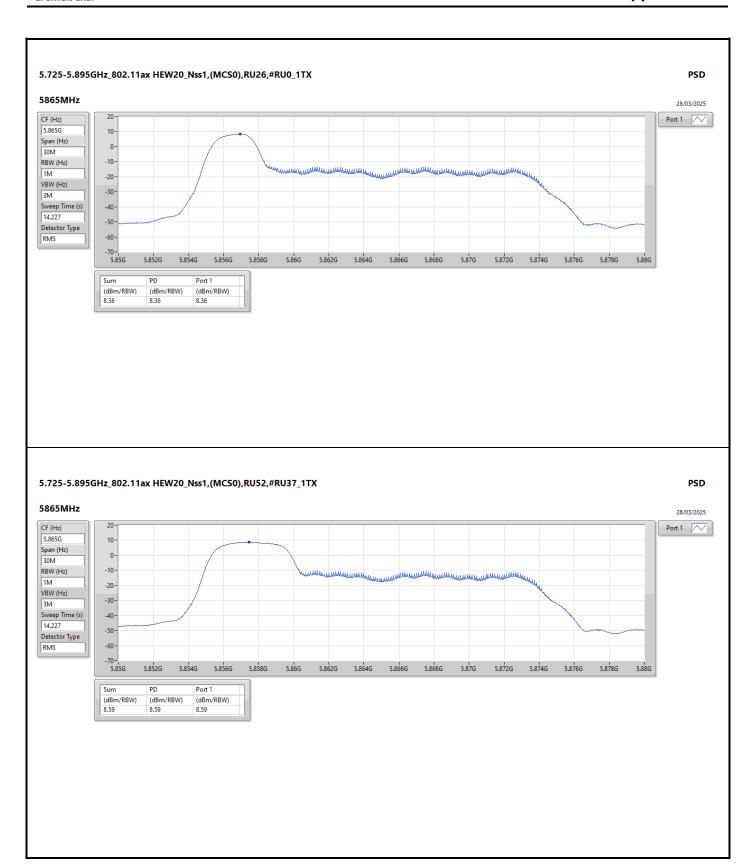
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0),RU26,#RU0_1TX	-	-	-	-	-	-
5865MHz	Pass	5.00	8.36	8.36	13.36	14.00
802.11ax HEW20_Nss1,(MCS0),RU52,#RU37_1TX	-	-	-	-	-	-
5865MHz	Pass	5.00	8.59	8.59	13.59	14.00
802.11ax HEW20_Nss1,(MCS0),RU106,#RU53_1TX	-	-	-	-	-	-
5865MHz	Pass	5.00	8.55	8.55	13.55	14.00
802.11ax HEW20_Nss1,(MCS0),RU26,#RU8_1TX	-	-	-	-	-	-
5885MHz	Pass	5.00	8.45	8.45	13.45	14.00
802.11ax HEW20_Nss1,(MCS0),RU52,#RU40_1TX	-	-	-	-	-	-
5885MHz	Pass	5.00	8.21	8.21	13.21	14.00
802.11ax HEW20_Nss1,(MCS0),RU106,#RU54_1TX	-	-	-	-	-	-
5885MHz	Pass	5.00	8.72	8.72	13.72	14.00

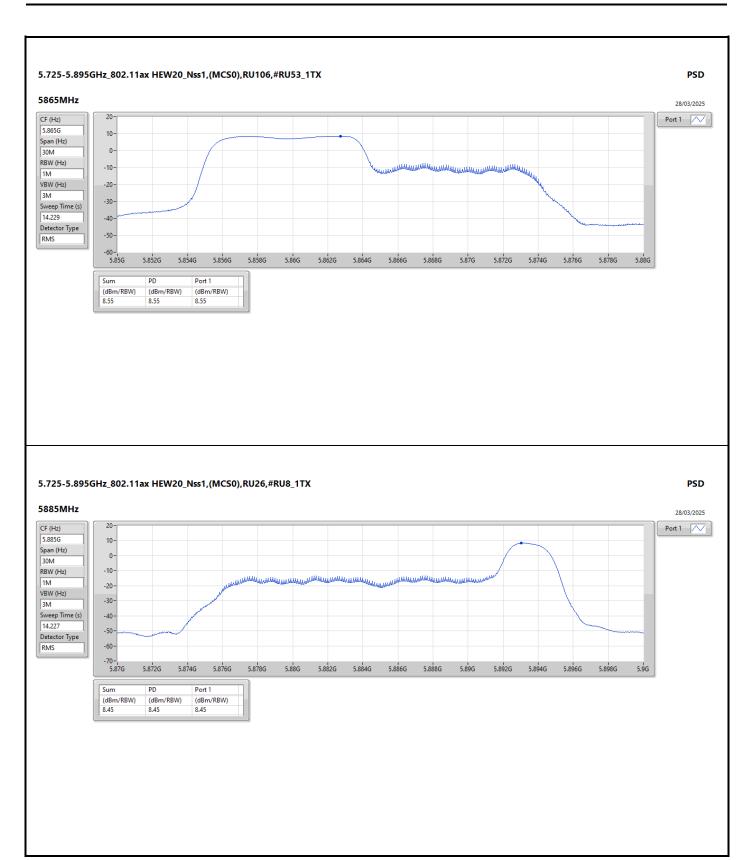
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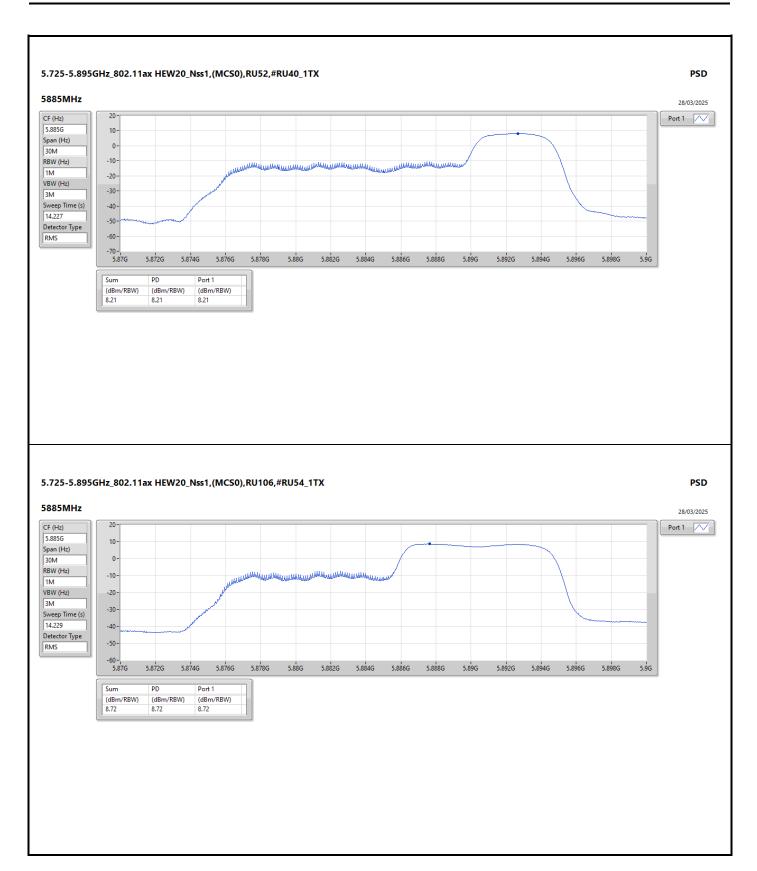
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.



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Radiated Emissions below 1GHz

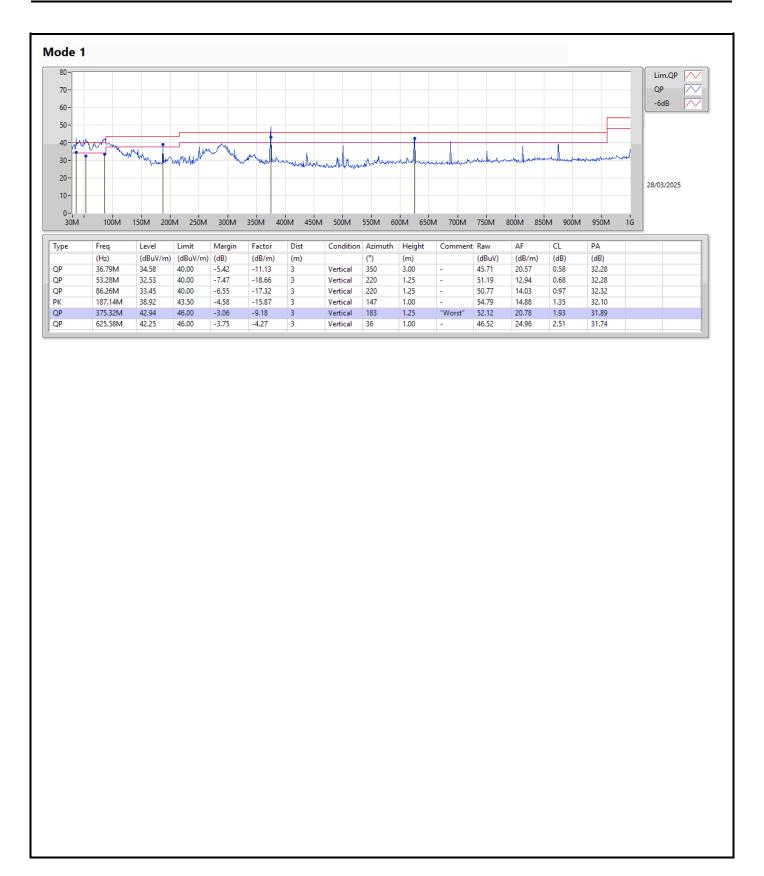
Appendix E.1

Summary

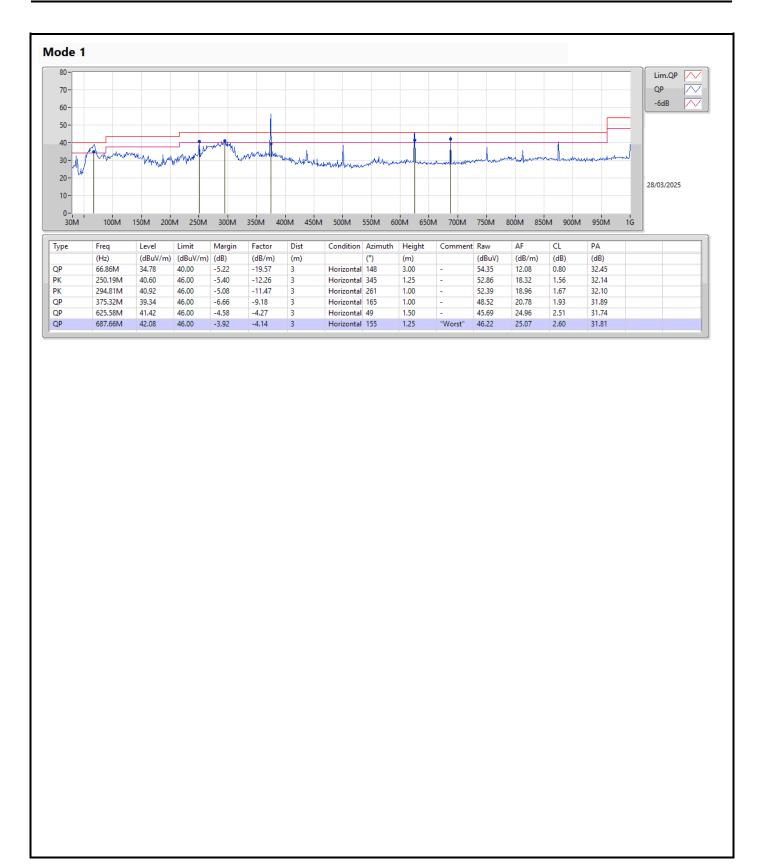
Mode	Result	Туре	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	375.32M	42.94	46.00	-3.06	Vertical

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RSE TX above 1GHz

Appendix E.2

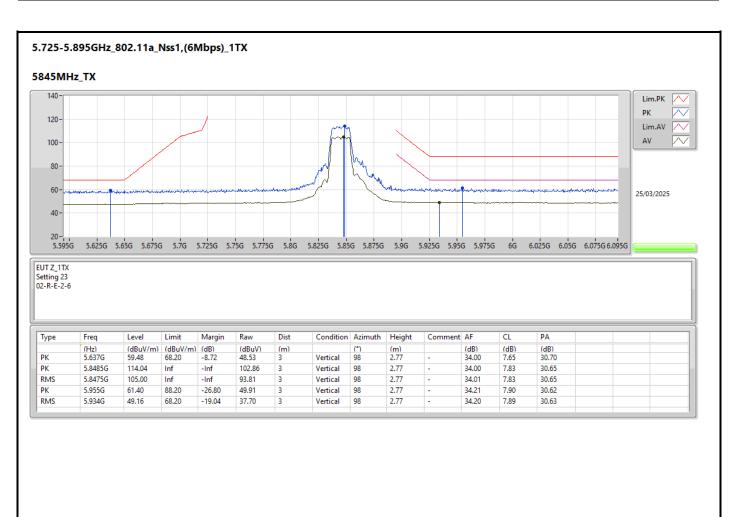
Test Mode: Mode 1 Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.725-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	RMS	5.89555G	85.97	89.80	-3.83	3	Vertical	79	2.72	BP 1MHz

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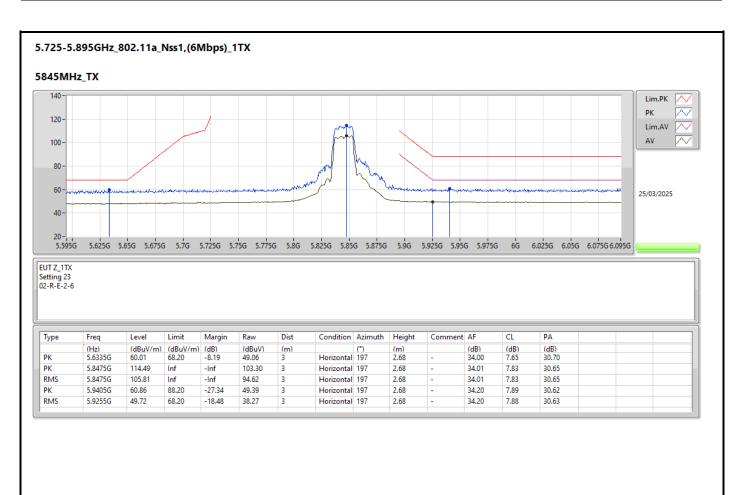
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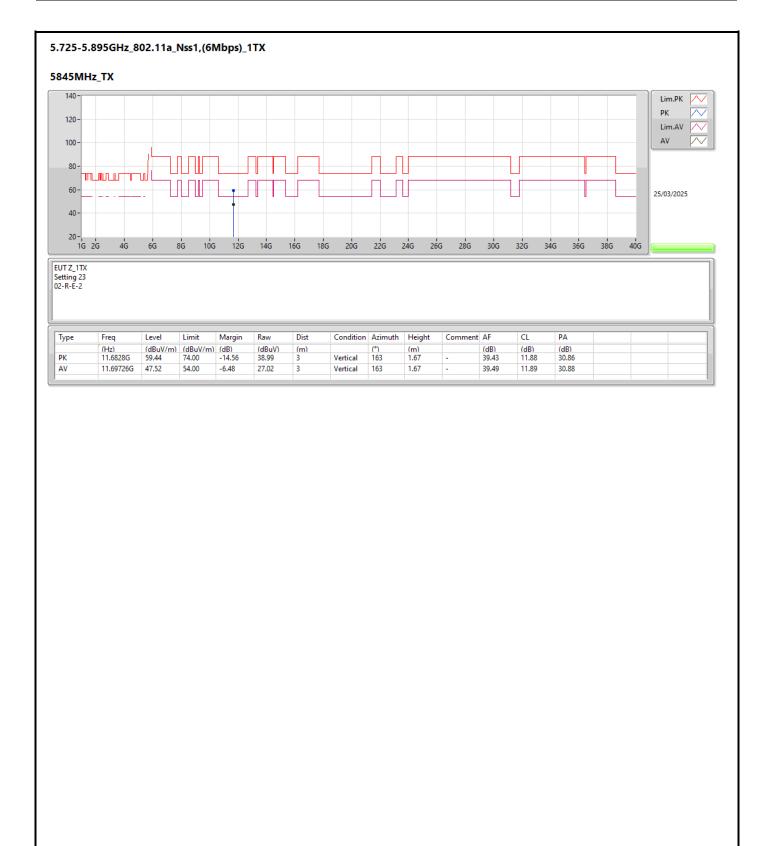
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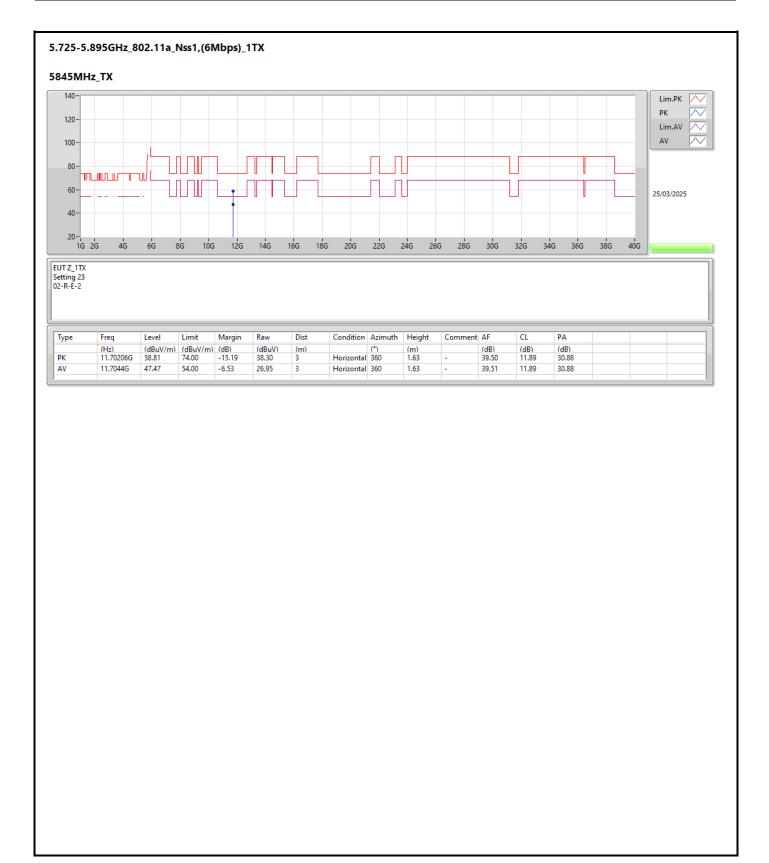


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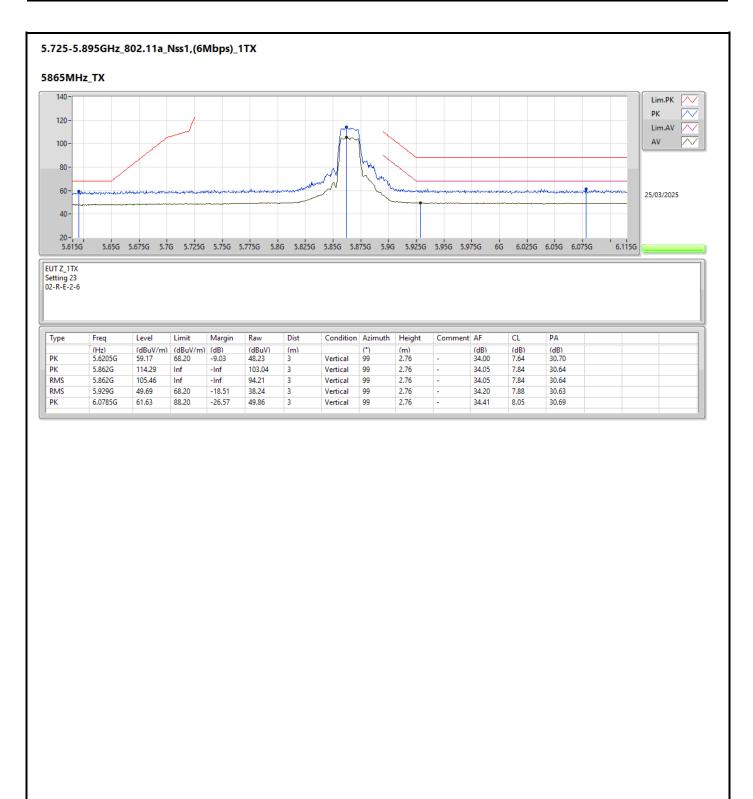




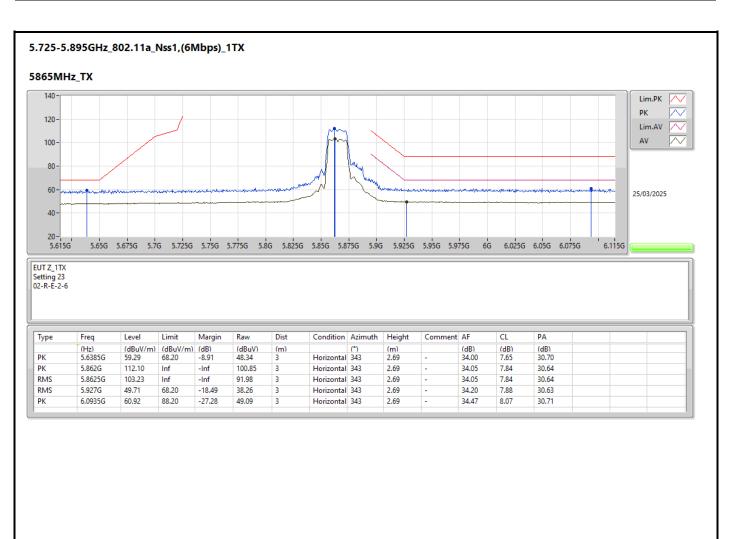


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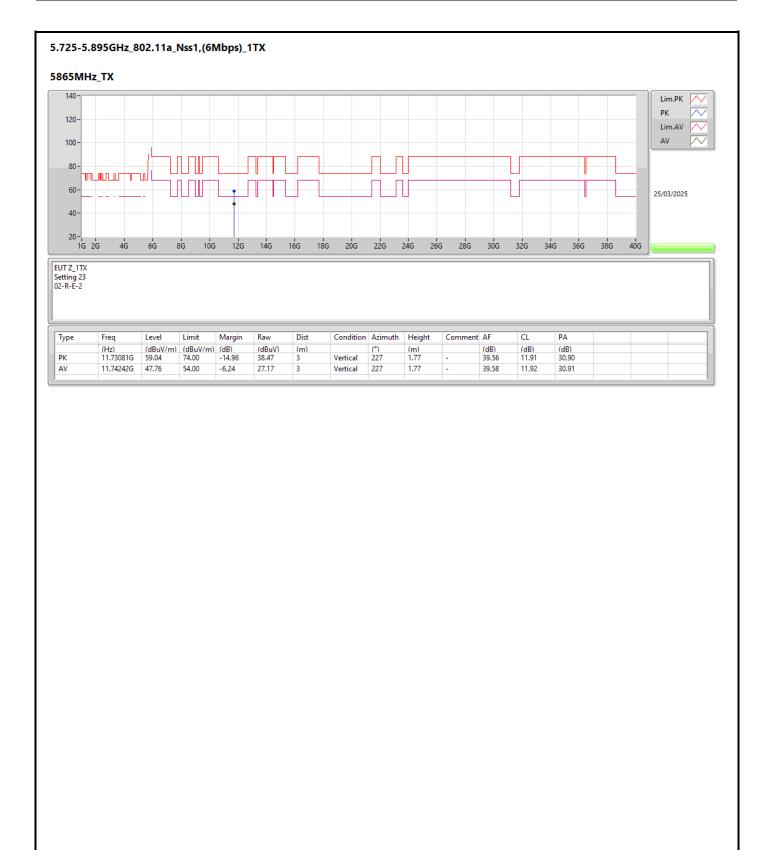






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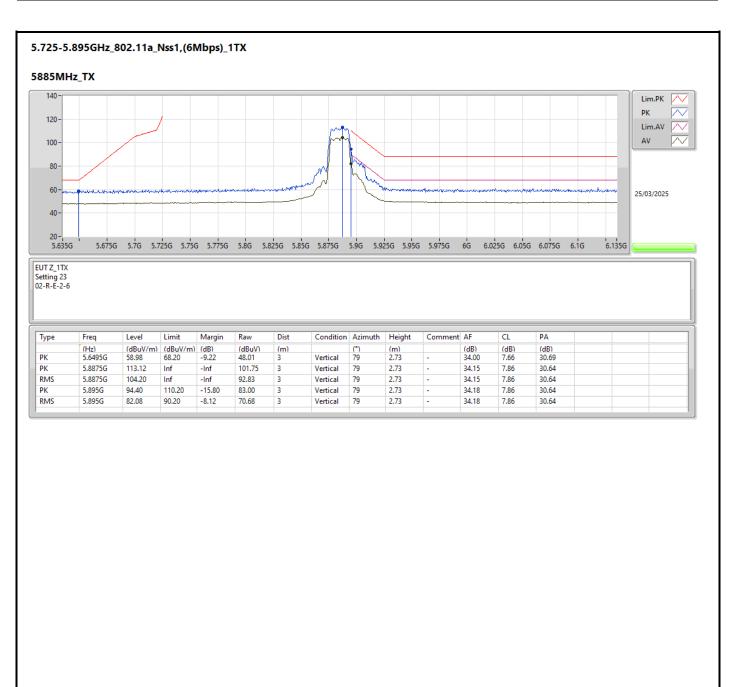


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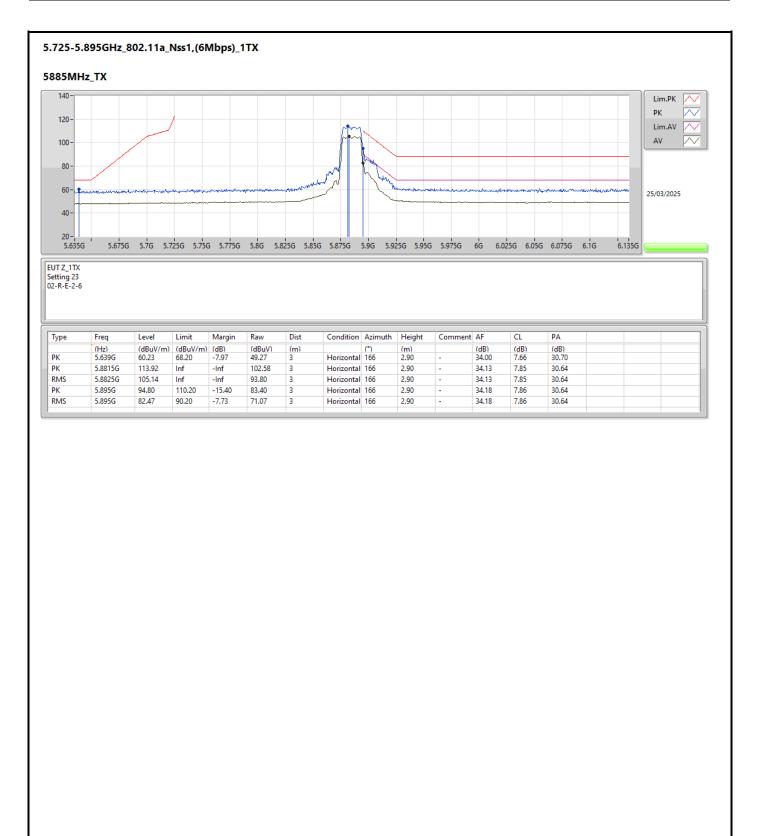


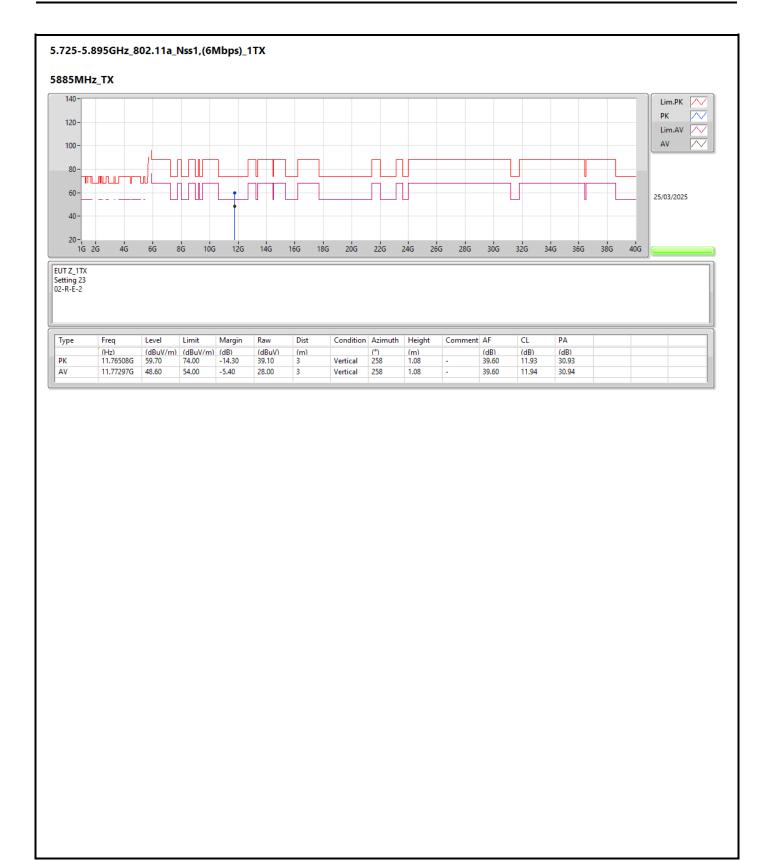




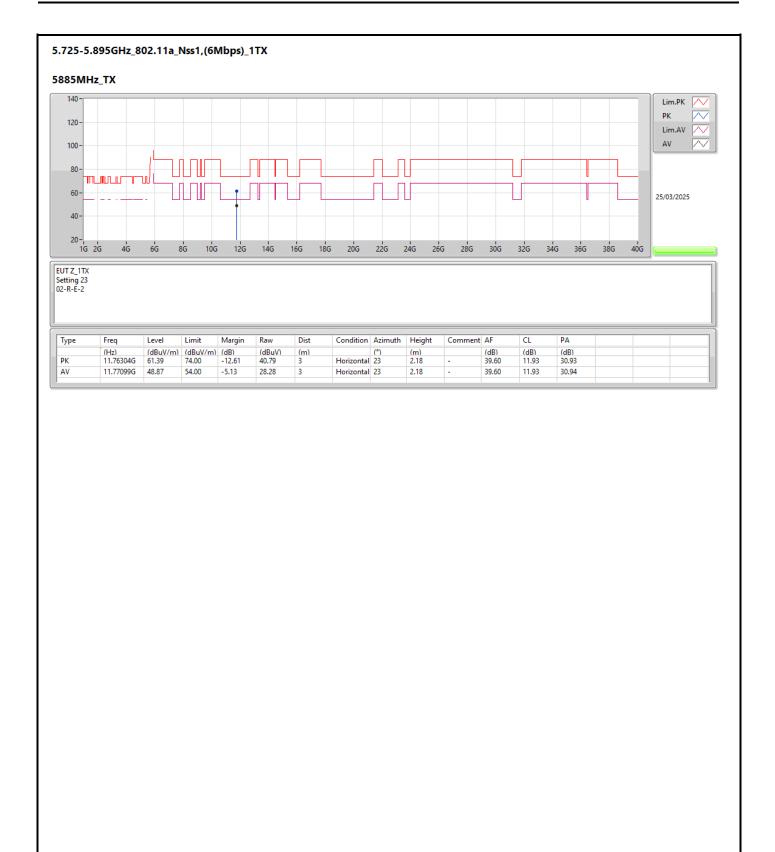




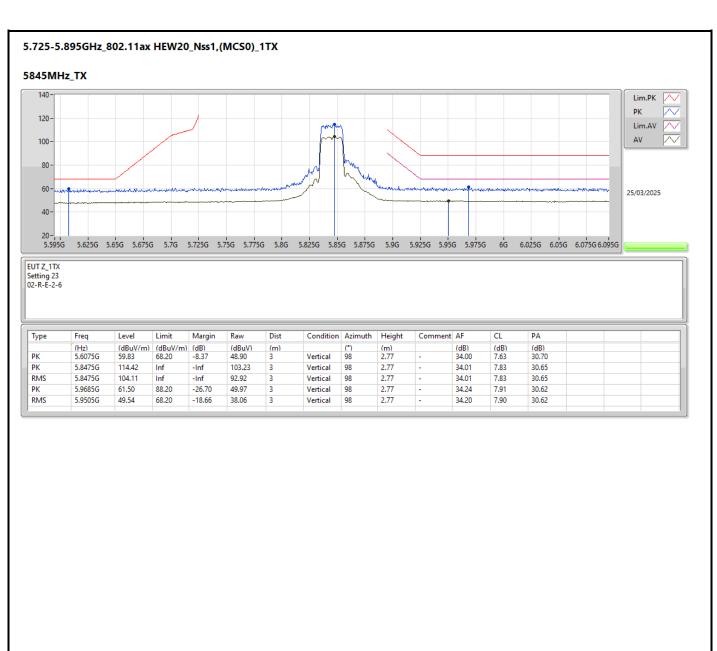




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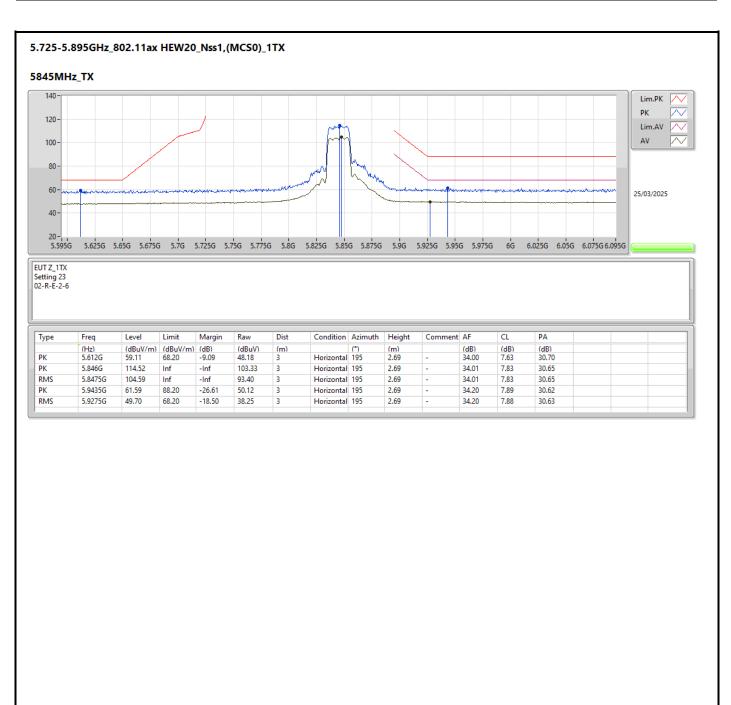






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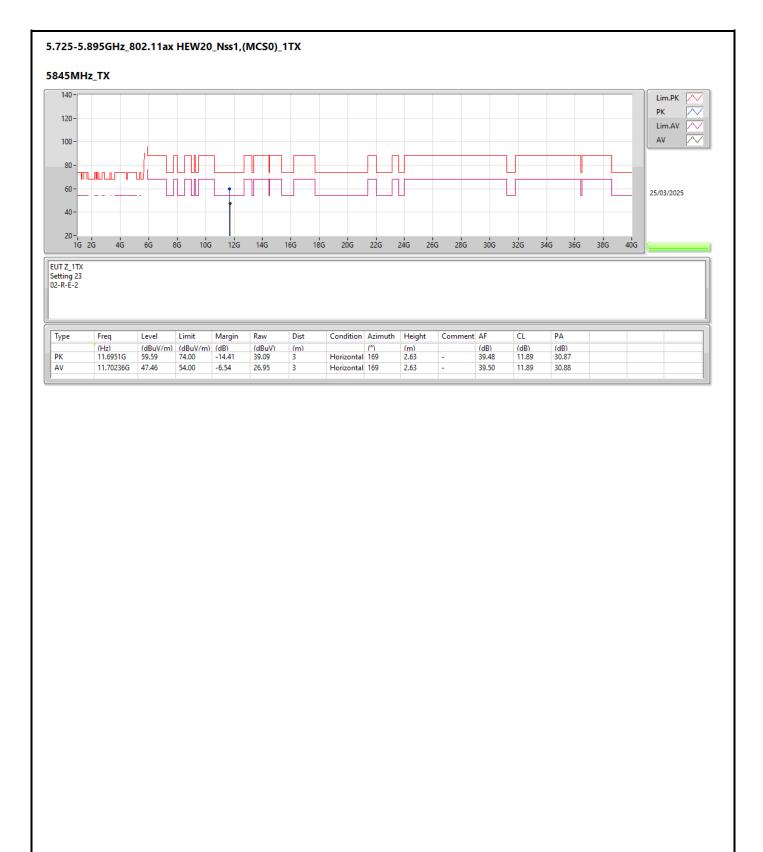




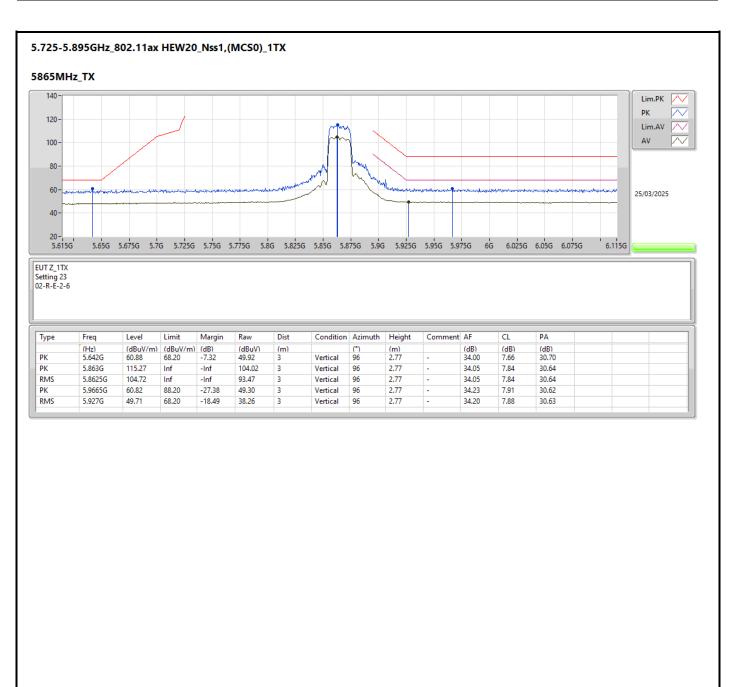


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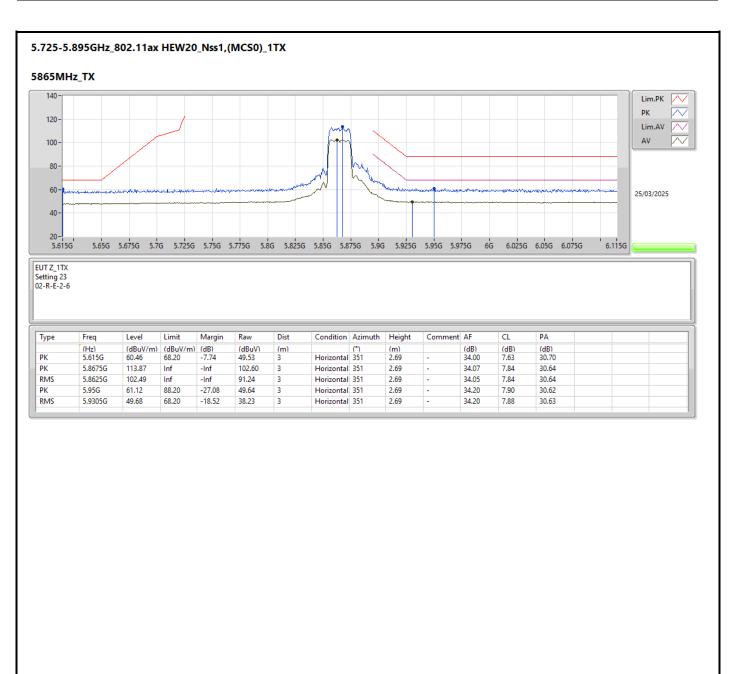




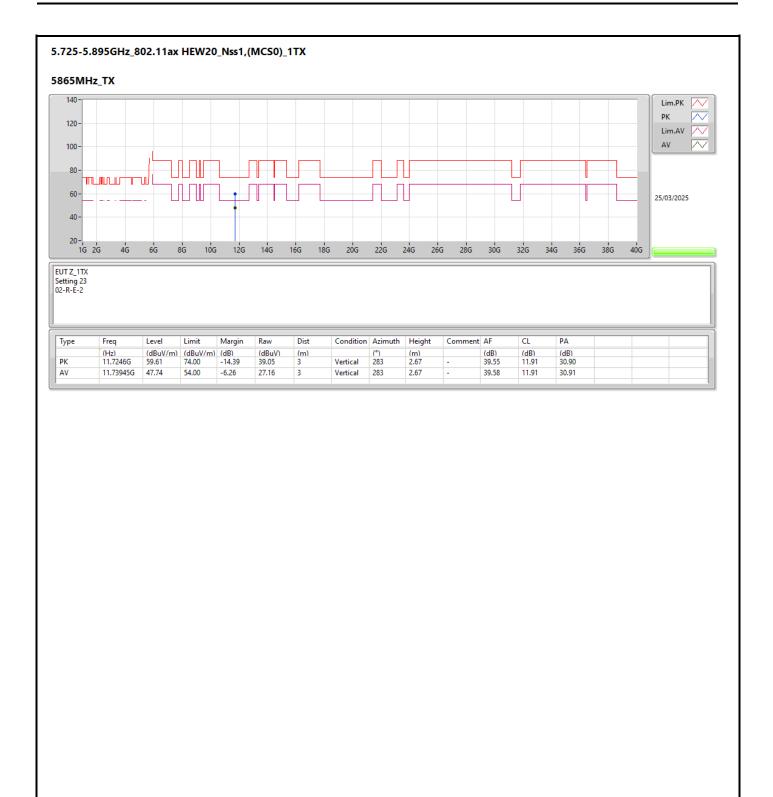


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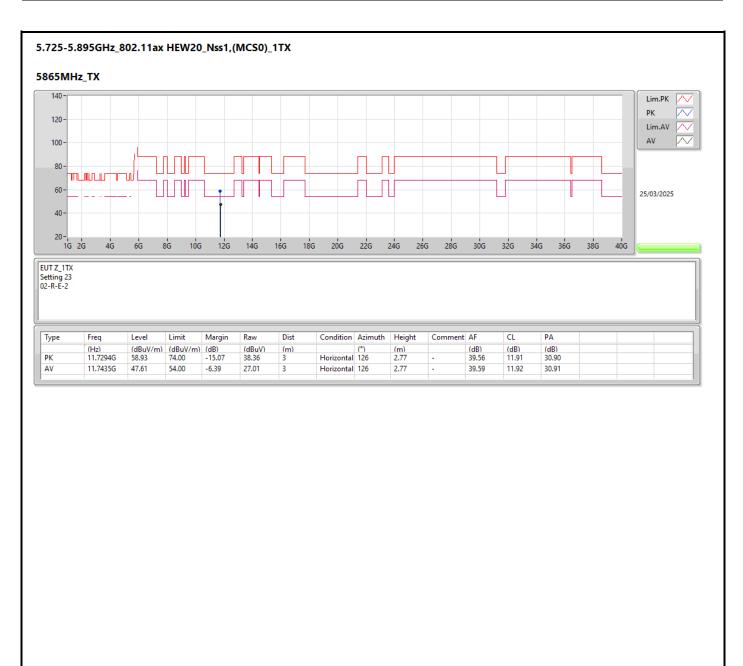


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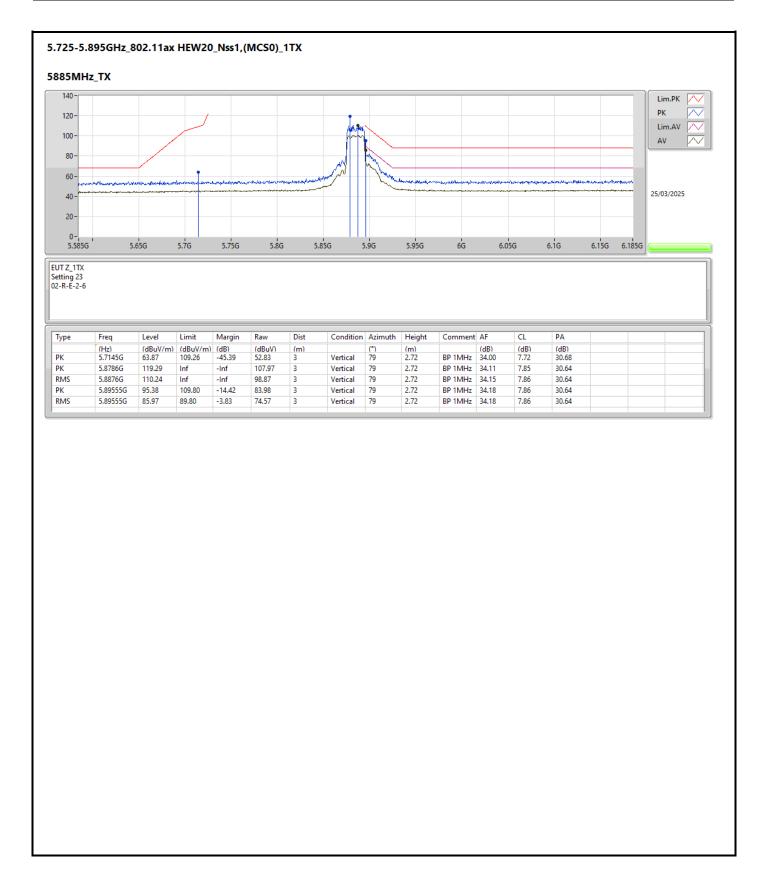


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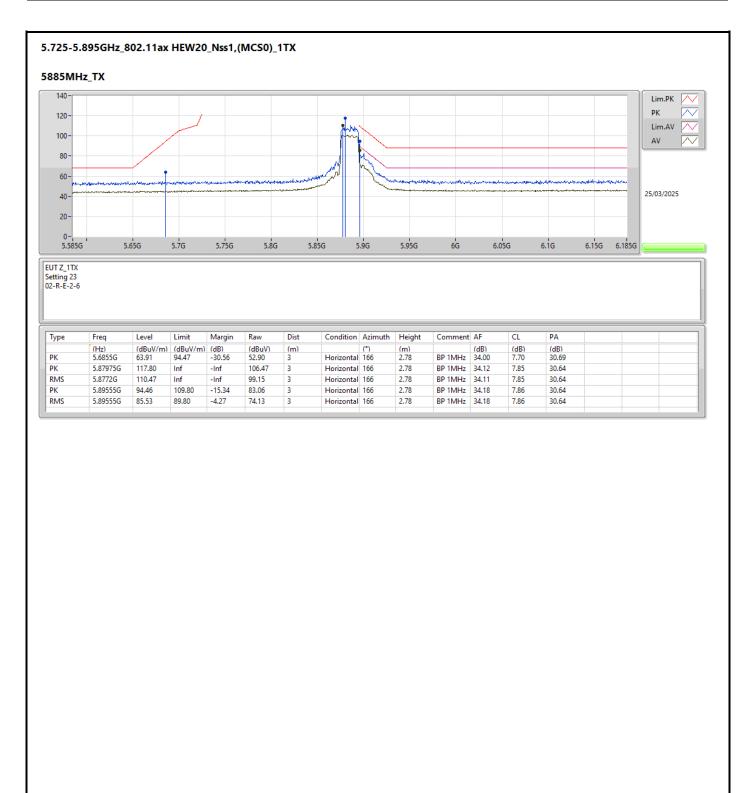




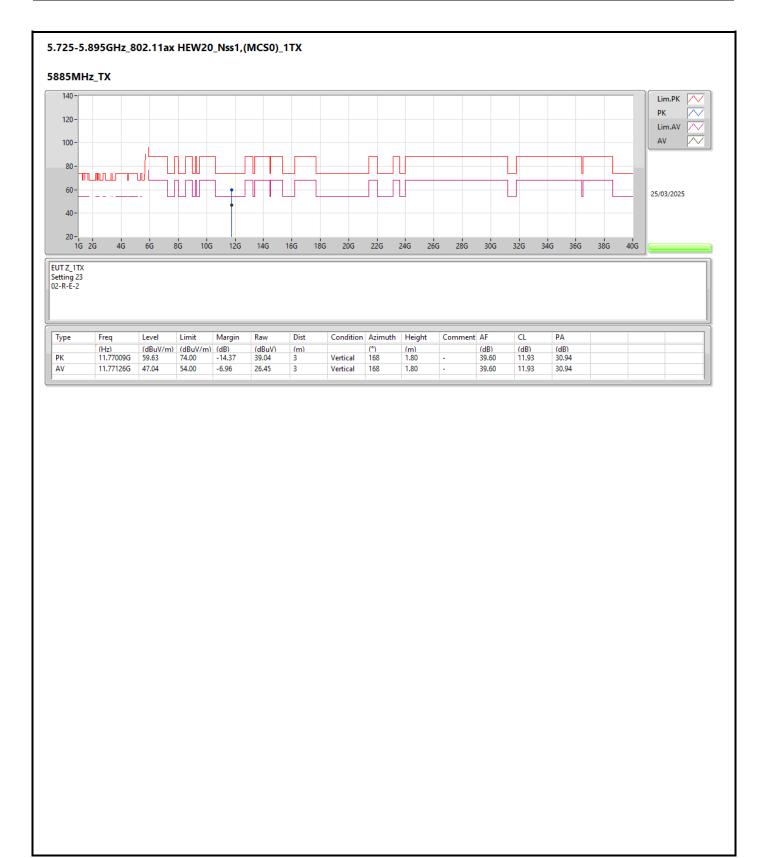


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RSE TX above 1GHz

Appendix E.3

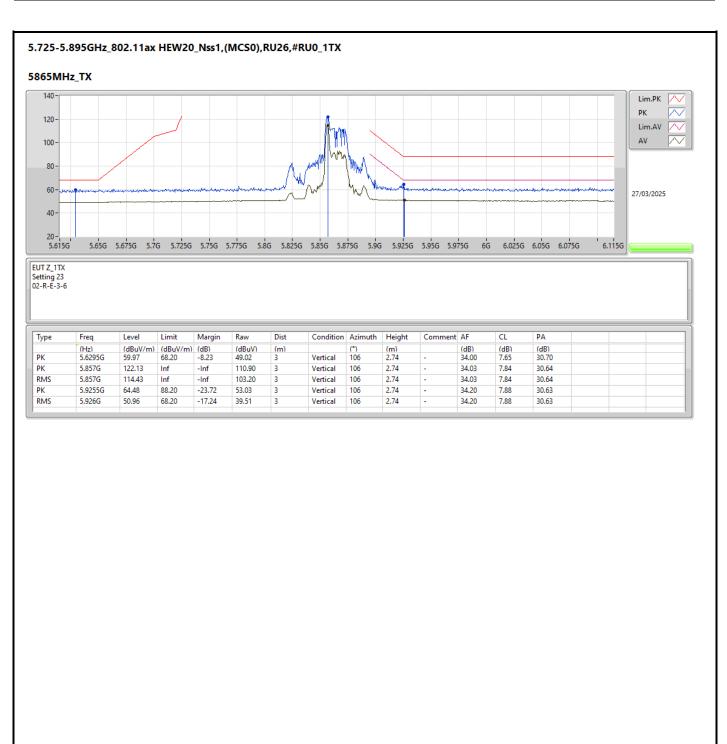
Test Mode: Mode 2 Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.725-5.895GHz	-	-	-	-	-		-	-			-
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	AV	11.7868G	52.79	54.00	-1.21	3	Vertical	272	2.30	-

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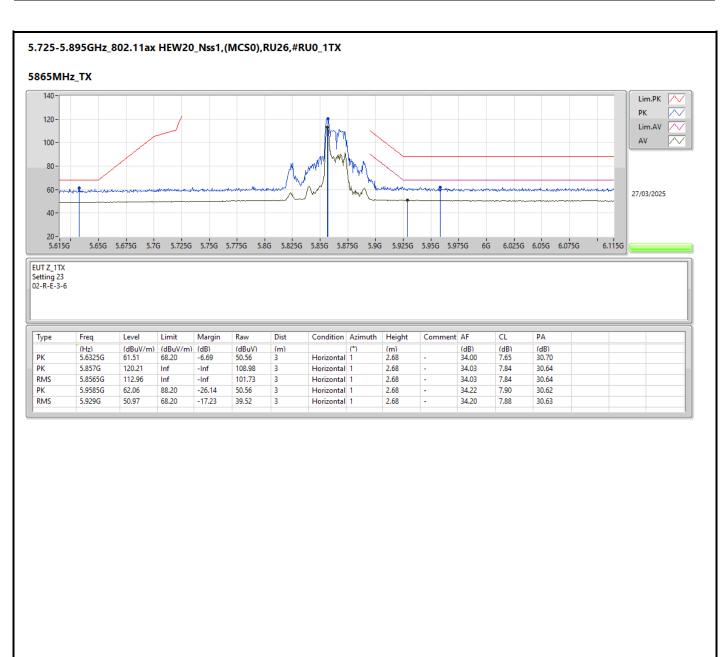
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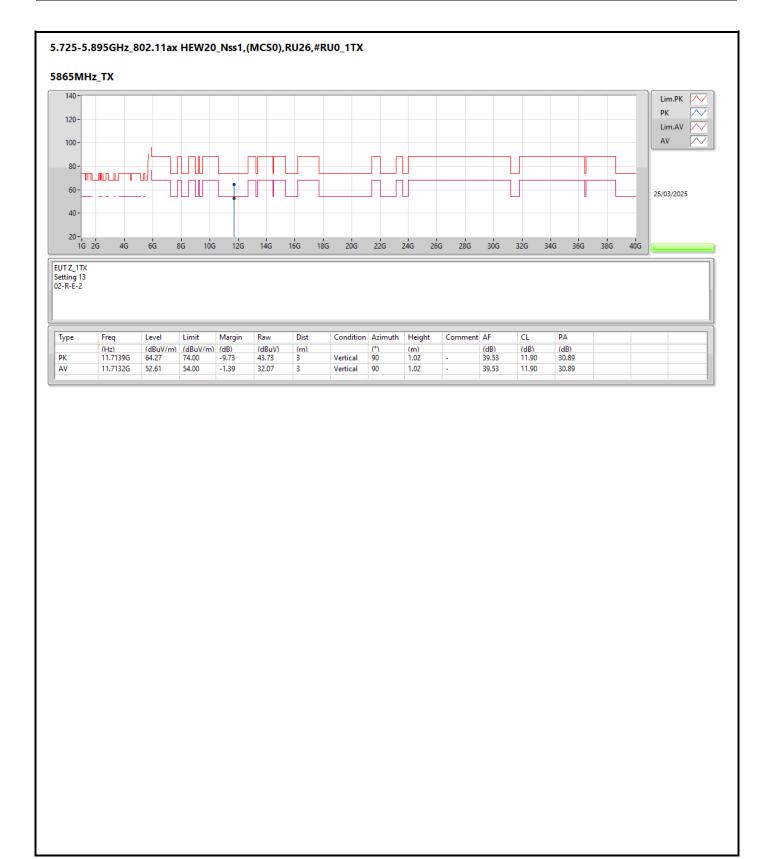
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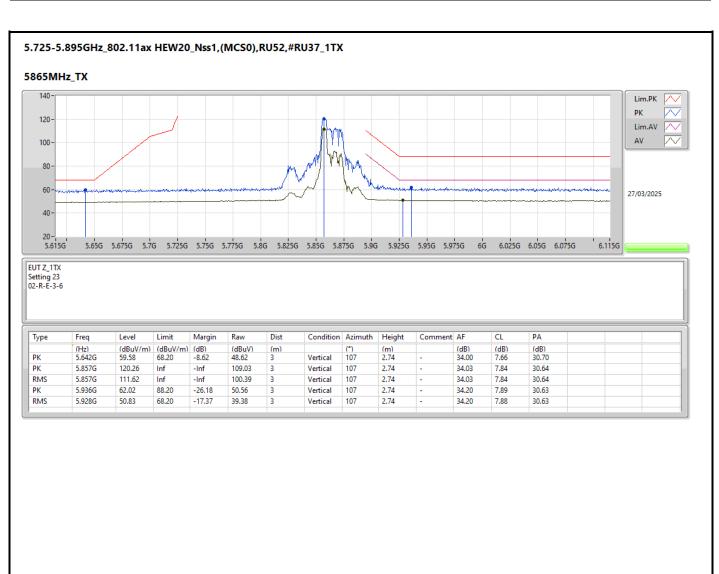






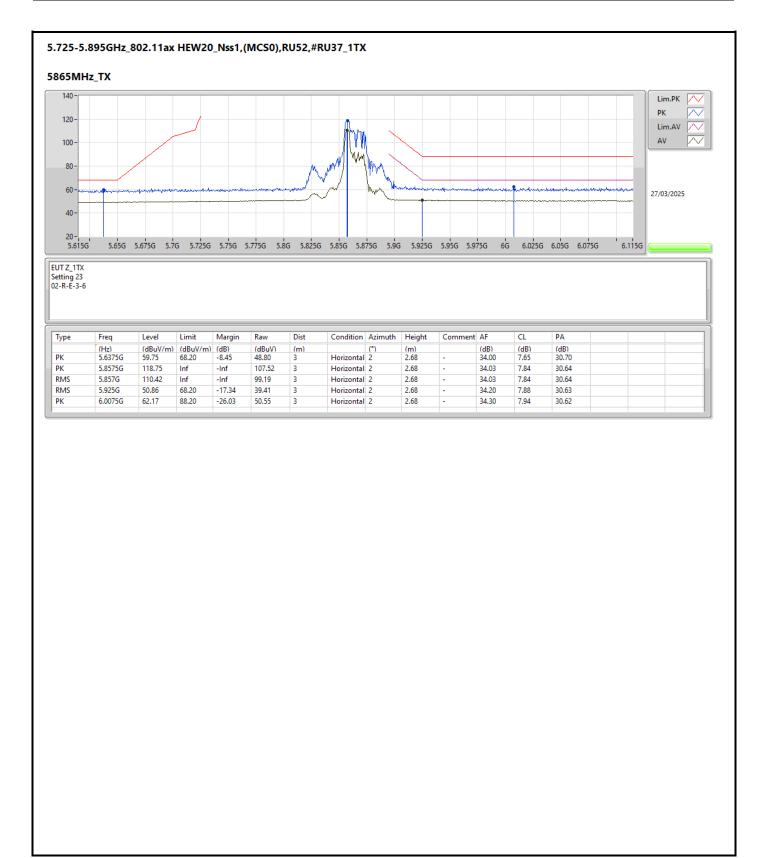




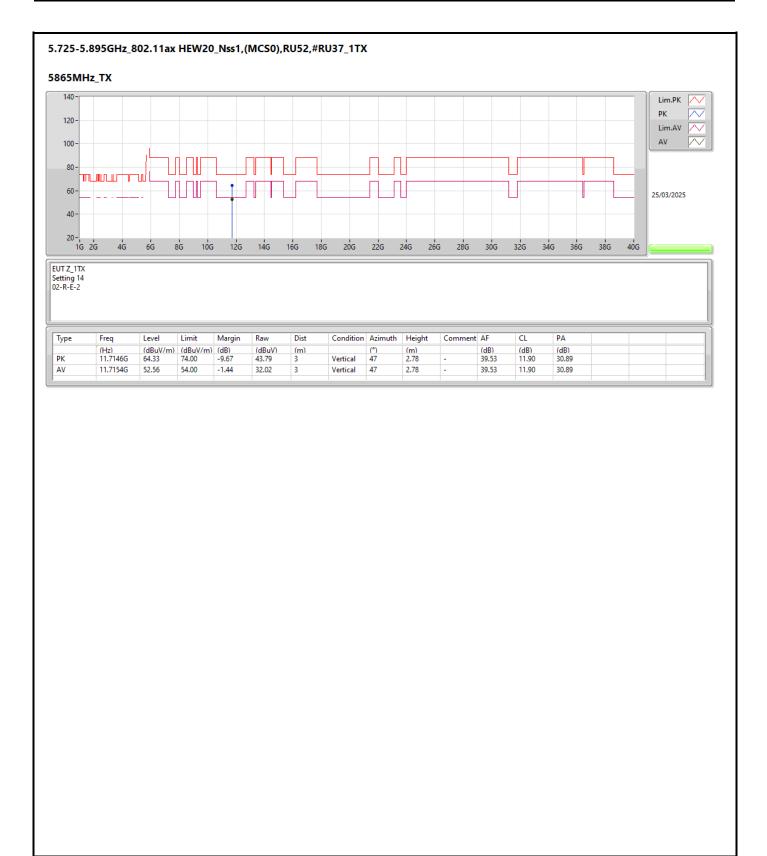


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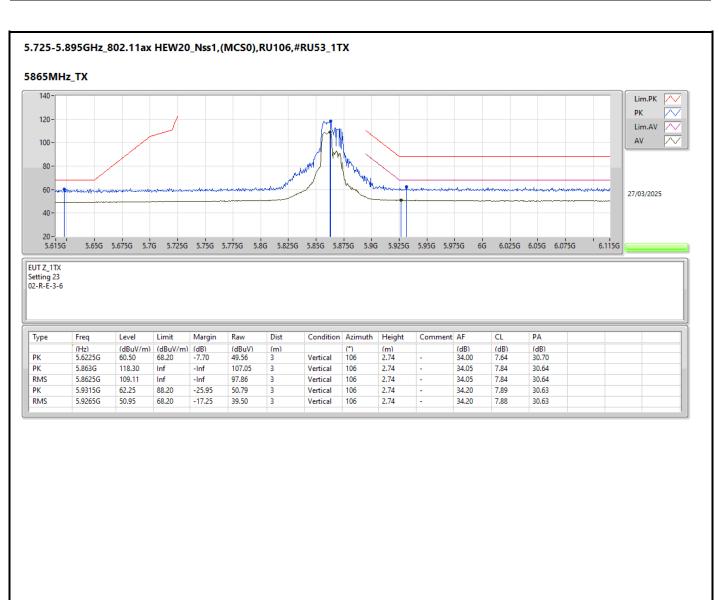


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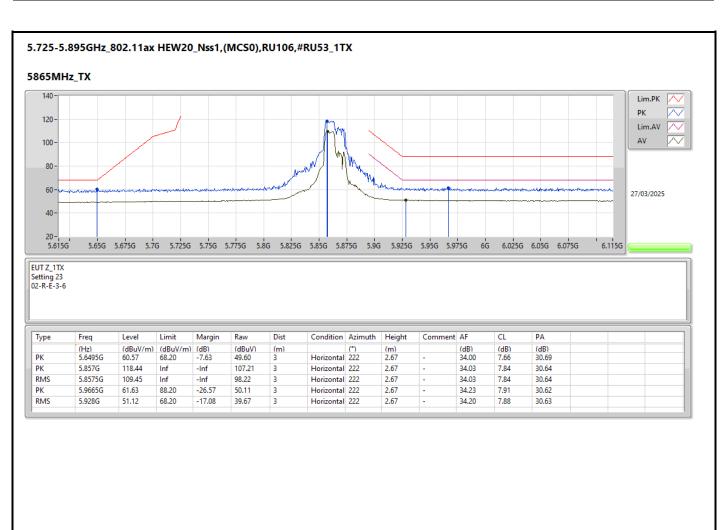






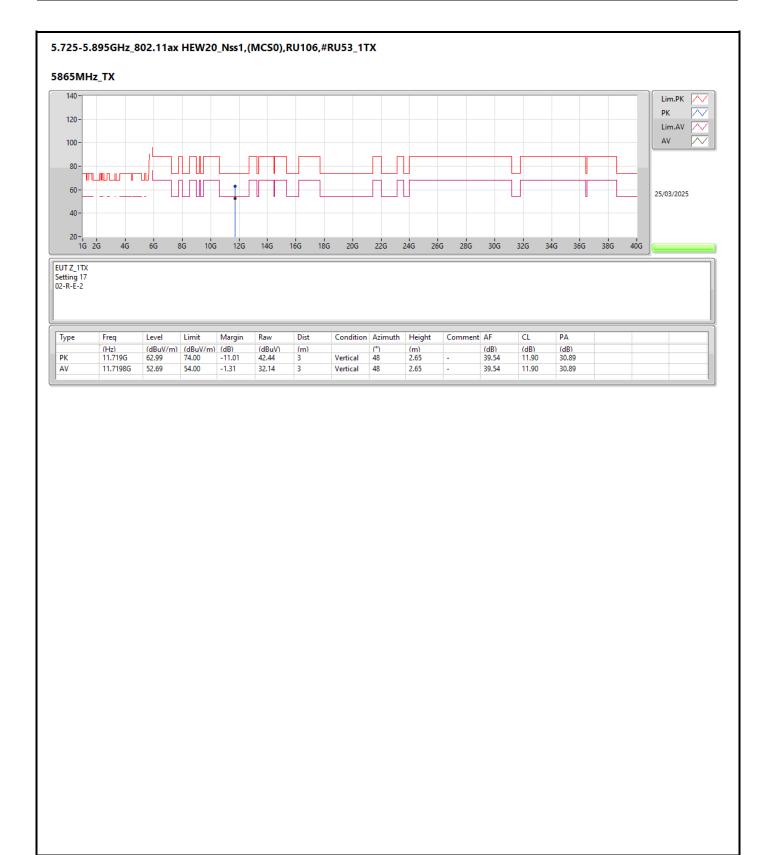
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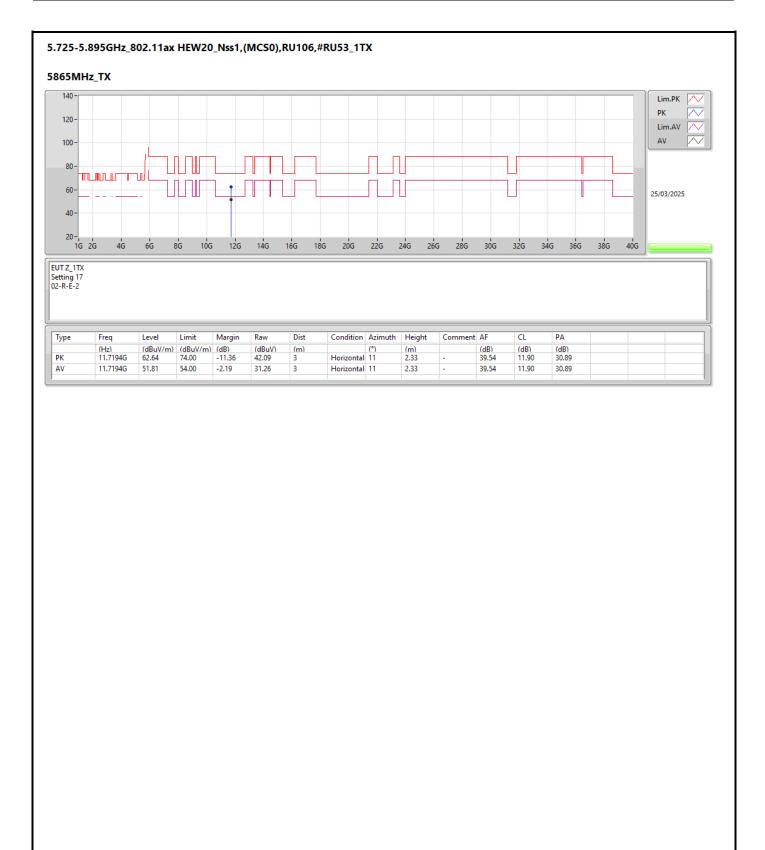


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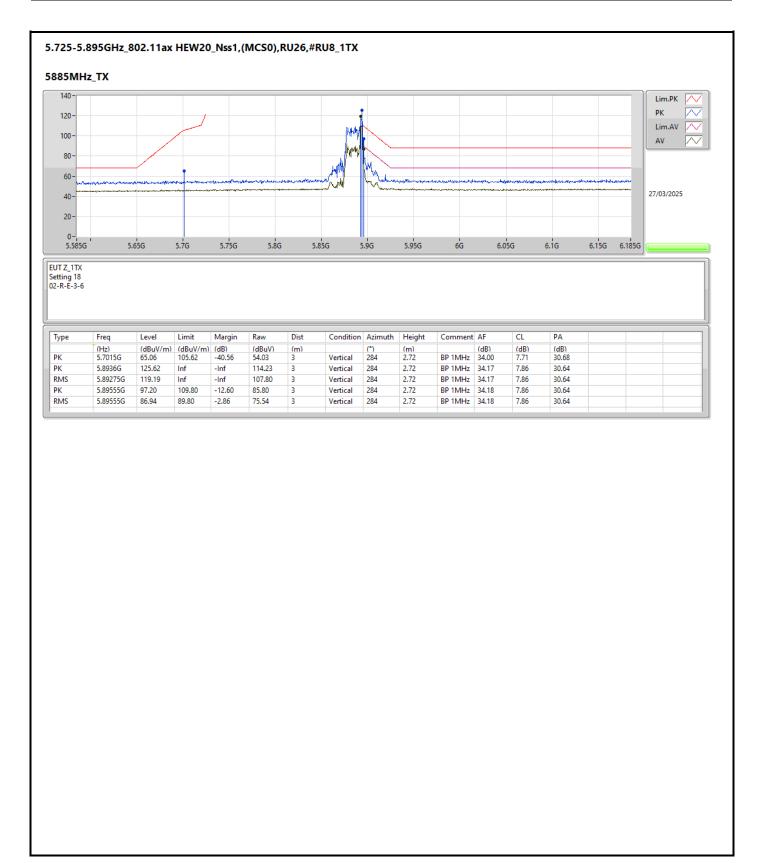




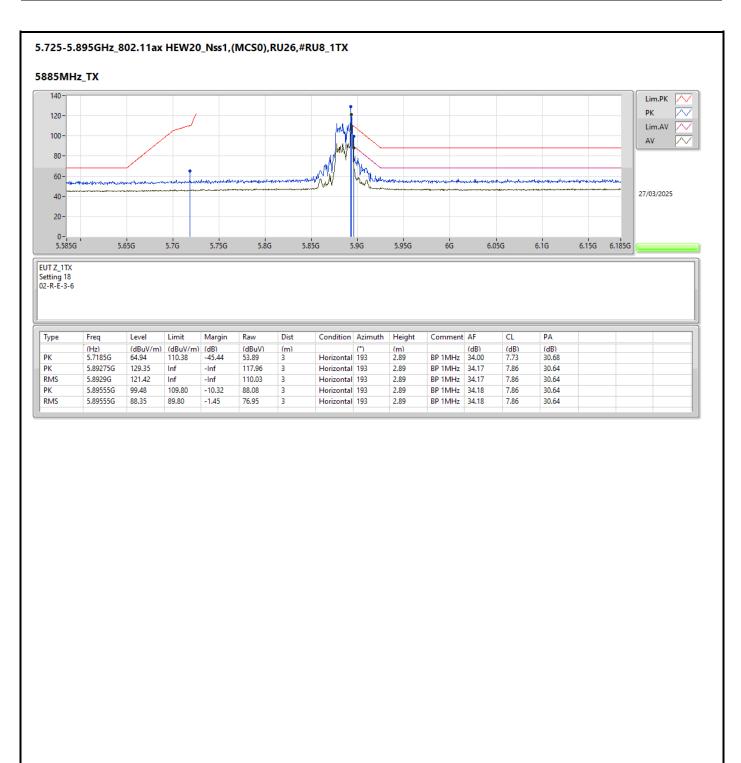


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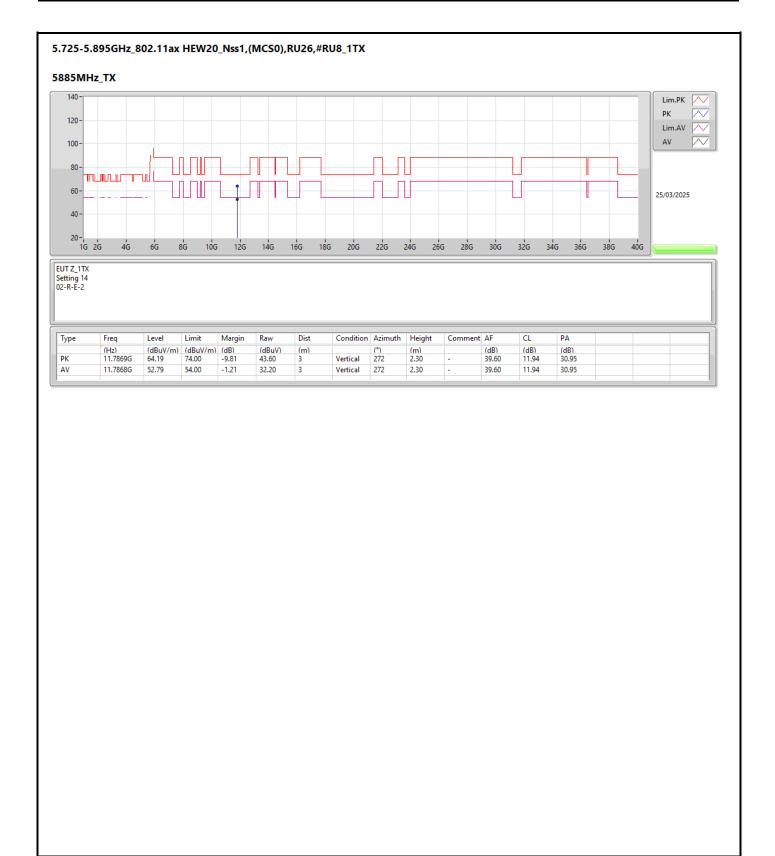






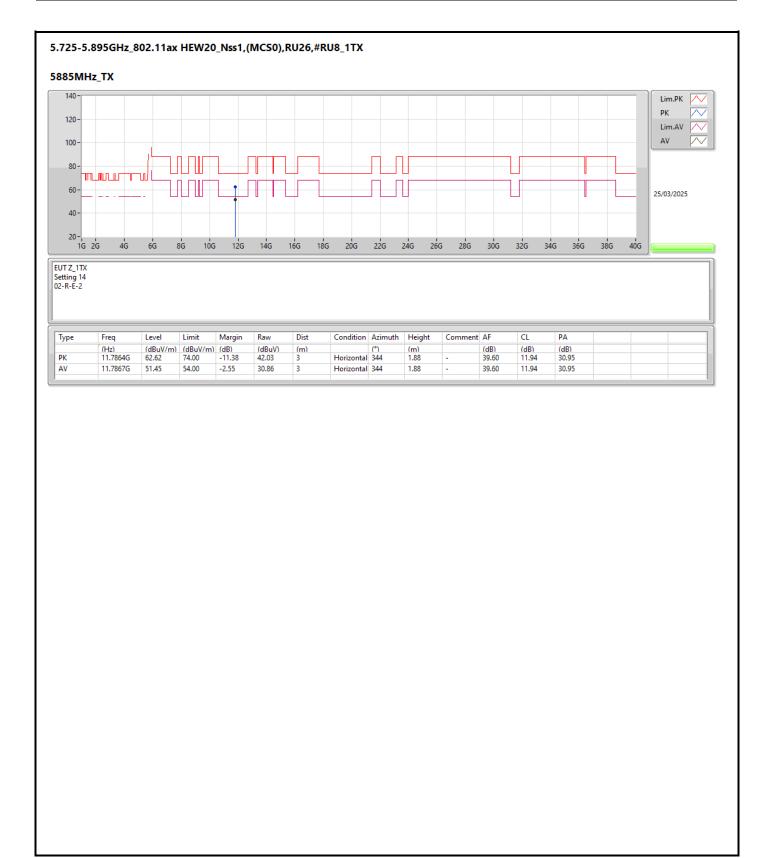
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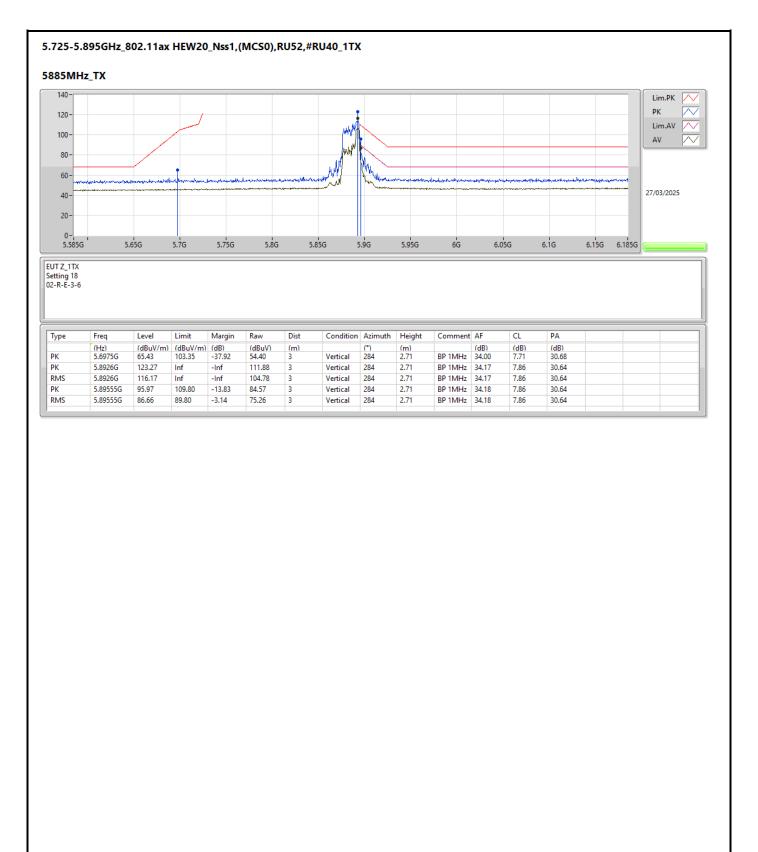
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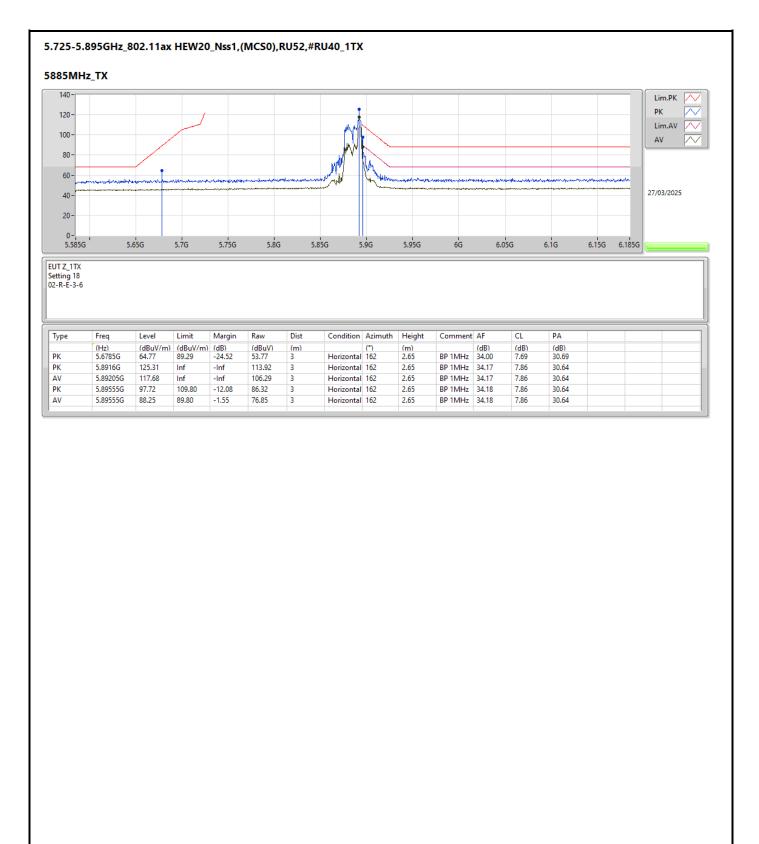


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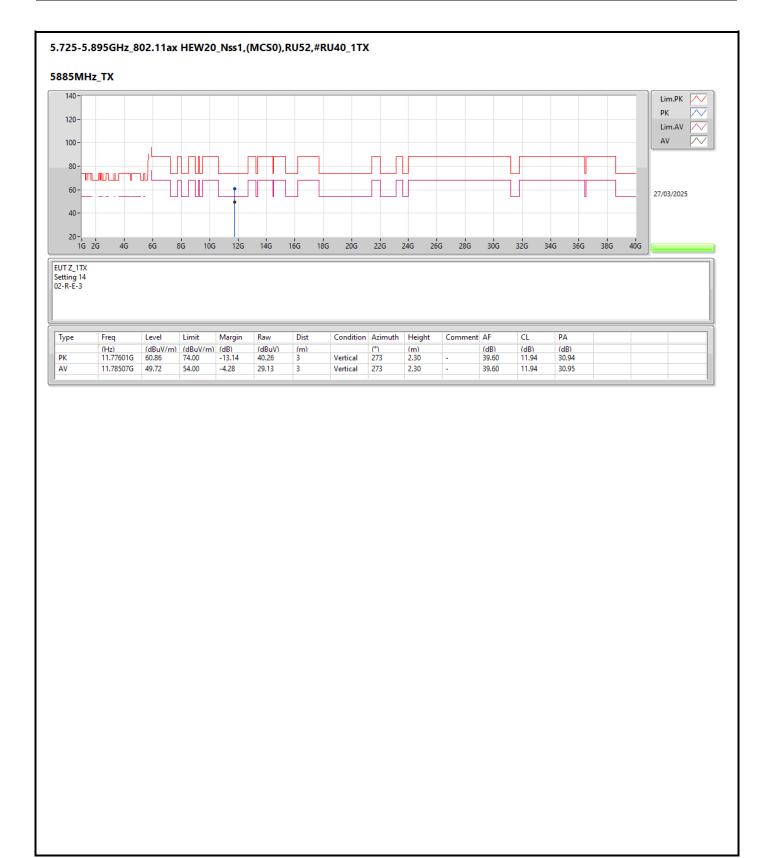






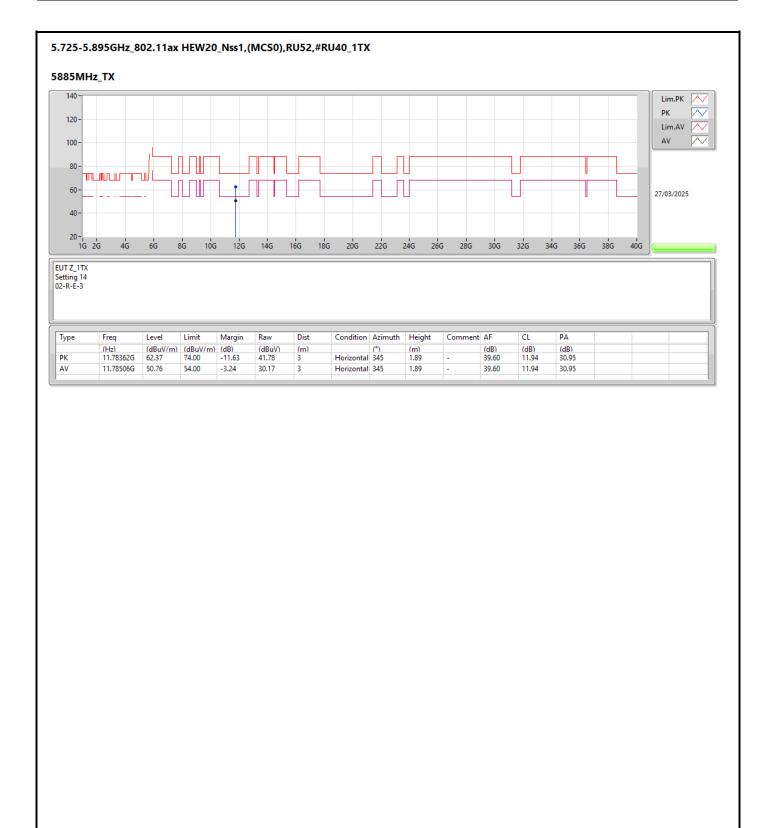






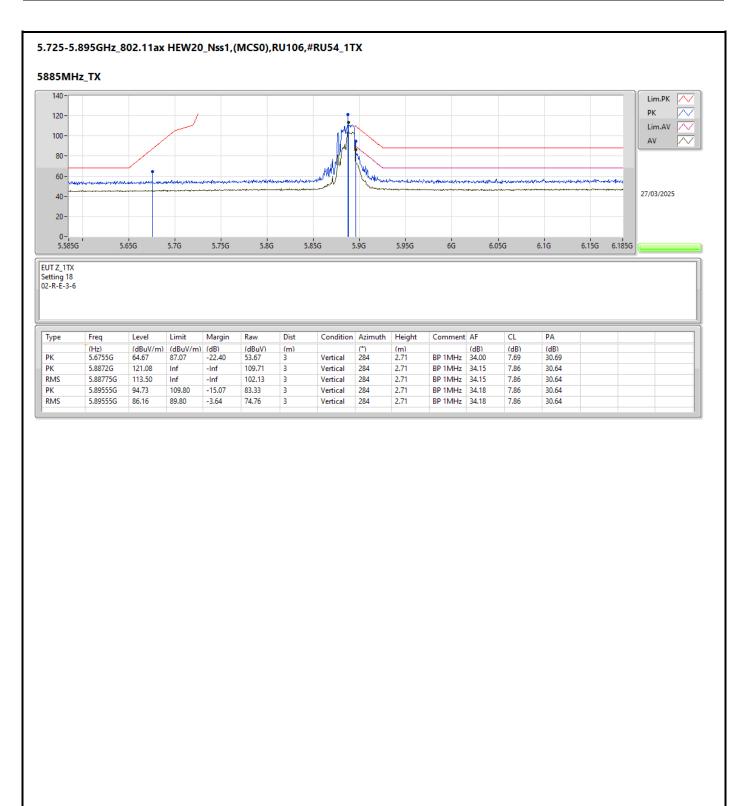
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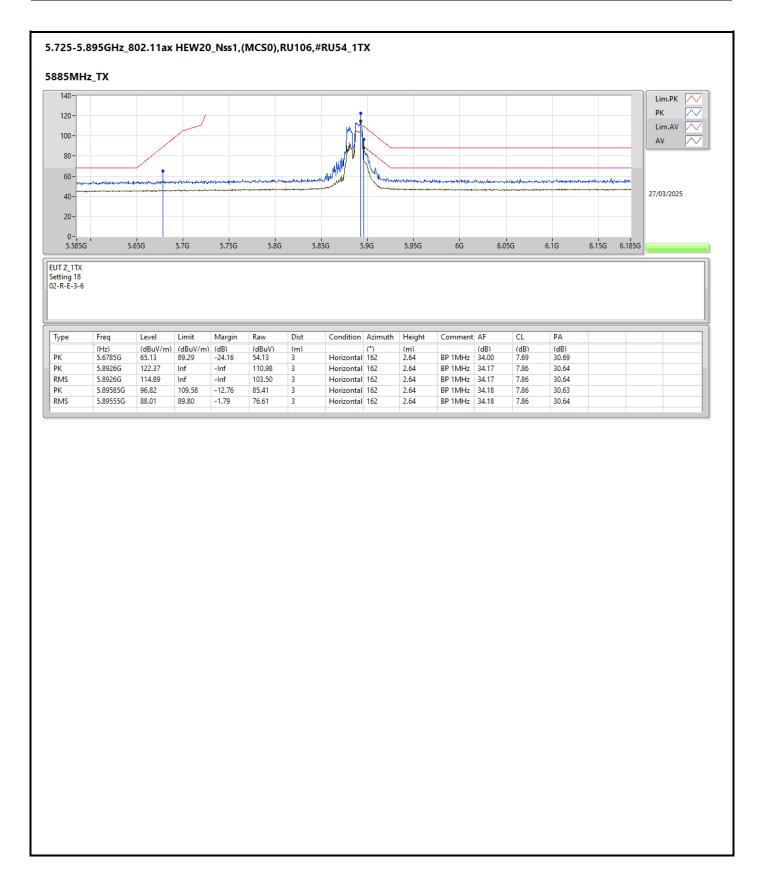


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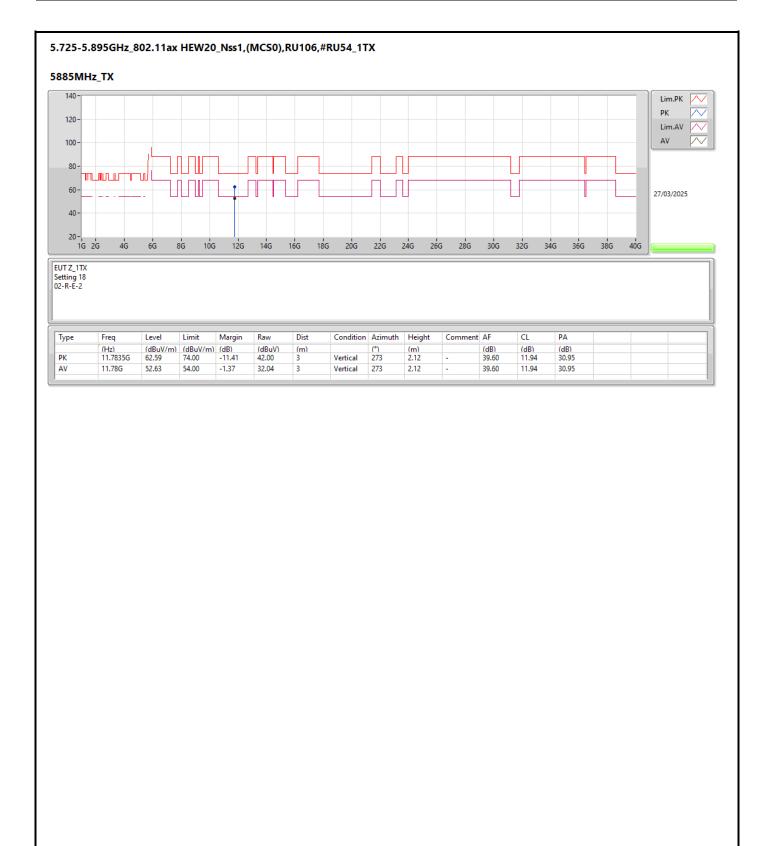




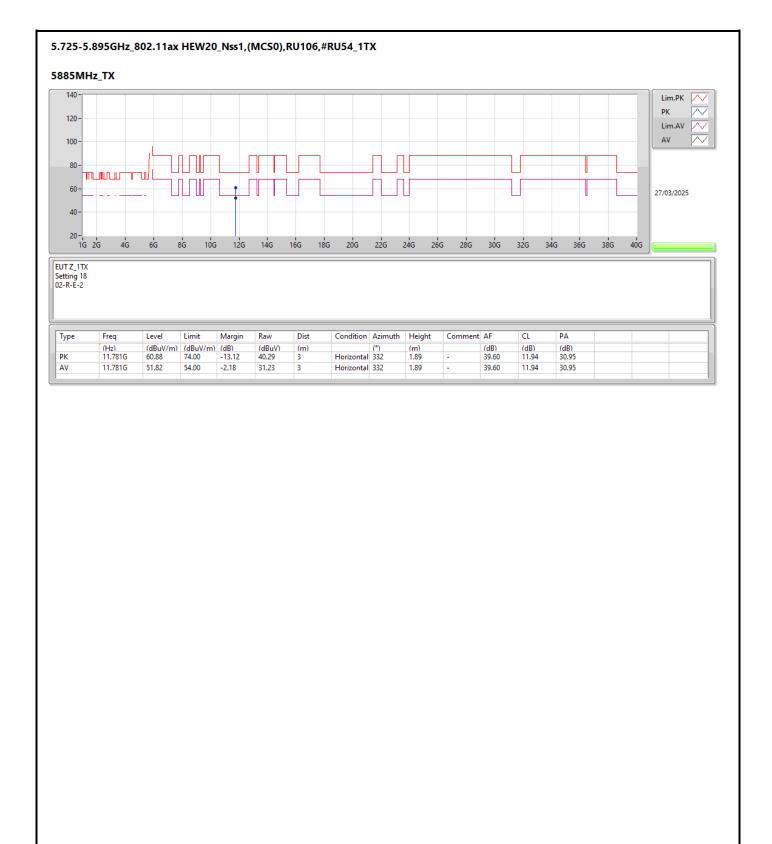


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Radiated Emissions Co-Location

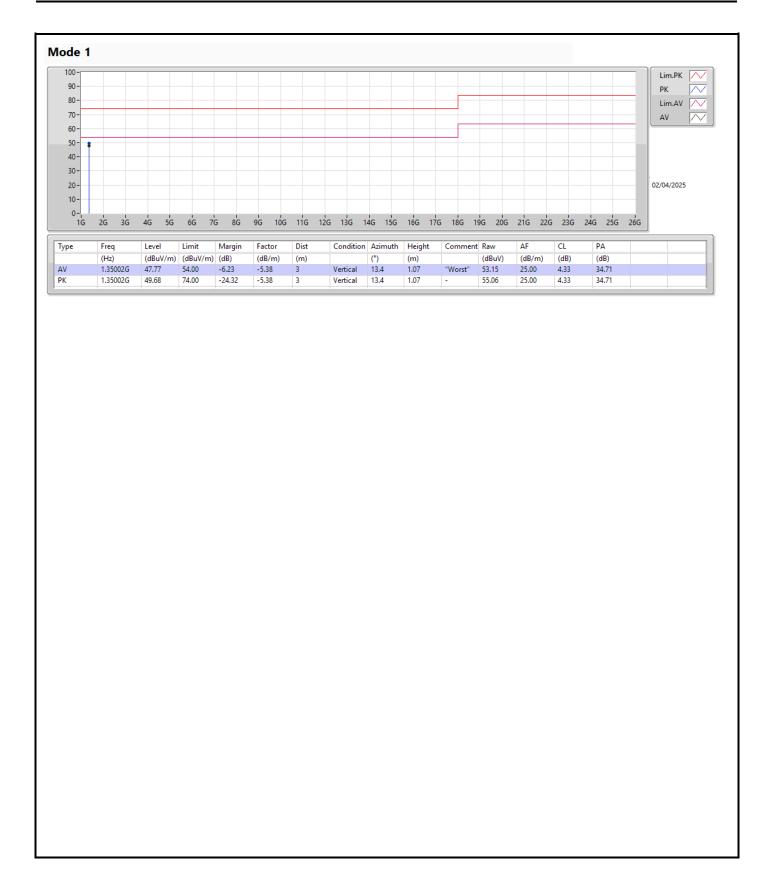
Appendix F

Summary

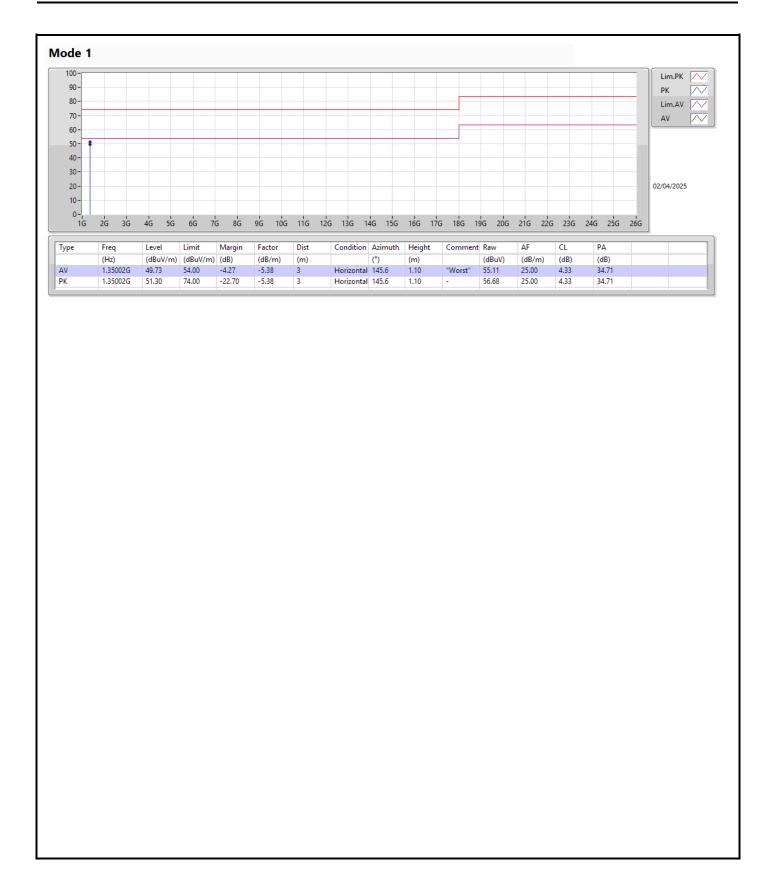
Mode	Result	Туре	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.35002G	49.73	54.00	-4.27	Horizontal

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