





FCC Test Report

FCC ID : NKR-HT20

Equipment : WLAN/BLE module

Model No. : DHSK-HT20

Brand Name : WNC

Applicant : Wistron NeWeb Corporation

Address : 20 Park Avenue II, Hsinchu Science Park,

Hsinchu 308, Taiwan, R.O.C.

Standard : 47 CFR FCC Part 15.247

Received Date : Mar. 17, 2025

Tested Date : Mar. 20 ~ Mar. 26, 2025

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: Approved by:

Along Chen/ Assistant Manager Gary Chang / N

Report No.: FR531702AC Page: 1 of 19



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information	5
1.2	Local Support Equipment List	
1.3	Test Setup Chart	
1.4	The Equipment List	8
1.5	Test Standards	
1.6	Reference Guidance	9
1.7	Deviation from Test Standard and Measurement Procedure	9
1.8	Measurement Uncertainty	10
2	TEST CONFIGURATION	11
2.1	Testing Facility	11
2.2	The Worst Test Modes and Channel Details	11
3	TRANSMITTER TEST RESULTS	12
3.1	6dB and Occupied Bandwidth	12
3.2	Conducted Output Power	13
3.3	Power Spectral Density	14
3.4	Unwanted Emissions into Restricted Frequency Bands	15
3.5	Emissions in Non-Restricted Frequency Bands	17
3.6	AC Power Line Conducted Emissions	18
4	TEST LABORATORY INFORMATION	19

- Appendix A. 6dB and Occupied Bandwidth
- **Appendix B. Conducted Output Power**
- **Appendix C. Power Spectral Density**
- Appendix D. Unwanted Emissions into Restricted Frequency Bands
- Appendix E. Emissions in Non-Restricted Frequency Bands
- **Appendix F. AC Power Line Conducted Emissions**



Release Record

Report No.	Version	Description	Issued Date
FR531702AC	Rev. 01	Initial issue	May 02, 2025

Report No.: FR531702AC Page: 3 of 19



Summary of Test Results

FCC Rules	Test Items	Measured	Result	
15.207	AC Power Line Conducted Emission	[dBuV]: 0.15MHz 50.12 (Margin -15.70dB) - QP	Pass	
15.247(d)	Unwanted Emissions	[dBuV/m at 3m]: 2.39GHz	Pass	
15.209	Oliwanted Emissions	73.33 (Margin -0.67dB) - PK	rass	
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: 26.32	Pass	
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass	
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass	
15.203	Antenna Requirement	Meet the requirement of limit	Pass	

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Report No.: FR531702AC Page: 4 of 19



1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information							
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N⊤x)	Data Rate / MCS		
2400-2483.5	b	2412-2462	1-11 [11]	1	1-11 Mbps		
2400-2483.5	g	2412-2462	1-11 [11]	1	6-54 Mbps		
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	1	MCS 0-7		

Note 1: RF output power specifies that Maximum Conducted (Average) Output Power.

Note 2: DSSS-DBPSK, DQPSK, CCK modulation

OFDM - BPSK, QPSK, 16QAM, 64QAM modulation.

1.1.2 Antenna Details

Ant. No.	Brand	Model	Туре	Connector	Gain (dBi)
1	WNC	DHSK-HT20_ANT	PIFA	No	1.72

1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type	5Vdc from host
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1.1.4 Accessories

N/A

1.1.5 Channel List

Channel	Frequency(MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

Report No.: FR531702AC Page: 5 of 19



1.1.6 Test Tool and Duty Cycle

Test Tool	AmebaZ2_mptool, Version: 1V3				
	Mode	Duty Cycle (%)	Duty Factor (dB)		
Duty Cycle and Duty	11b	100.00%	0.00		
Factor	11g	100.00%	0.00		
	HT20	100.00%	0.00		

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	116
11b	2437	118
11b	2462	110
11g	2412	111
11g	2437	127
11g	2462	102
HT20	2412	106
HT20	2437	127
HT20	2462	101

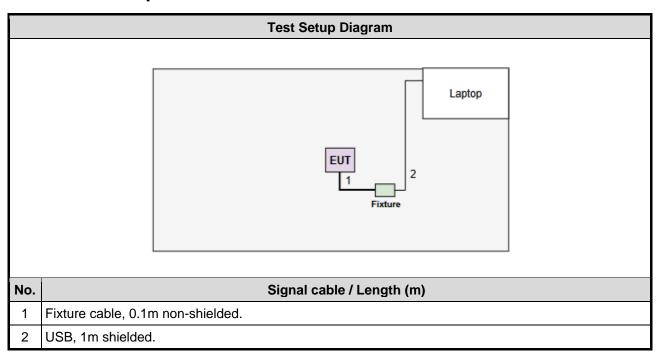
Report No.: FR531702AC Page: 6 of 19



1.2 Local Support Equipment List

	Support Equipment List							
No.	No. Equipment Brand Model FCC ID Remarks							
1	Laptop	DELL	Latitude 3440	DoC				
2	Fixture	WNC	HT20_01Jig		Provided by applicant.			

1.3 Test Setup Chart



Report No.: FR531702AC Page: 7 of 19



1.4 The Equipment List

Test Item	Radiated Emission						
Test Site	966 chamber1 / (03CH01-WS)						
Tested Date	Mar. 20 ~ Mar. 24, 2025						
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until		
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026		
Spectrum Analyzer	R&S	FSV40	101498	Nov. 12, 2024	Nov. 11, 2025		
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025		
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 09, 2024	Aug. 08, 2025		
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 28, 2024	Nov. 27, 2025		
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 18, 2024	Nov. 17, 2025		
Preamplifier	EMC	EMC02325	980225	Jun. 17, 2024	Jun. 16, 2025		
Preamplifier	EMC	EMC118A45SE	980898	Jul. 05, 2024	Jul. 04, 2025		
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025		
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025		
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 02, 2024	Oct. 01, 2025		
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 02, 2024	Oct. 01, 2025		
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 02, 2024	Oct. 01, 2025		
RF Cable	EMC	EMC104-35M-35M- 8000	210920	Oct. 02, 2024	Oct. 01, 2025		
RF Cable	EMC	EMC104-35M-35M- 3000	210922	Oct. 02, 2024	Oct. 01, 2025		
Attenuator	Pasternack	PE7005-10	10-1	Oct. 02, 2024	Oct. 01, 2025		
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 02, 2024	Oct. 01, 2025		
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA		
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA		

Report No.: FR531702AC Page: 8 of 19



Test Item	RF Conducted								
Test Site	(TH01-WS)	TH01-WS)							
Tested Date	Mar. 26, 2025								
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until				
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2024	Apr. 17, 2025				
Power Meter	Anritsu	ML2495A	1241002	Nov. 26, 2024	Nov. 25, 2025				
Power Sensor	Anritsu	MA2411B	1207366	Nov. 26, 2024	Nov. 25, 2025				
Attenuator	Pasternack	PE7005-10	10-2	Oct. 04, 2024	Oct. 03, 2025				
Measurement Software Sporton SENSE-15247_DTS V5.11 NA NA									
Note: Calibration Inte	rval of instruments liste	d above is one year.							

n room 1 / (CO01-WS) 025 and Model No. &S ESR3 &S ENV216	Serial No. 101658 101579	Calibration Date Feb. 25, 2025 May 09, 2024	Calibration Until Feb. 24, 2026 May 08, 2025
Model No. SS ESR3	101658	Feb. 25, 2025	Feb. 24, 2026
&S ESR3	101658	Feb. 25, 2025	Feb. 24, 2026
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
&S ENV216	101579	May 09, 2024	May 08, 2025
RZBECK Schwarzbeck 812	8127-666	Mar. 21, 2025	Mar. 20, 2026
MC EMCCFD300-BM- M-6000	-B 50821	Oct. 09, 2024	Oct. 08, 2025
IA 50	01	Jun. 19, 2024	Jun. 18, 2025
DIX e3	6.120210g	NA	NA
	M-6000 A 50	M-6000 A 50 01 DIX e3 6.120210g	M-6000 50821 Oct. 09, 2024 A 50 01 Jun. 19, 2024 DIX e3 6.120210g NA

1.5 Test Standards

47 CFR FCC Part 15.247 ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

Report No.: FR531702AC Page: 9 of 19



1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty			
Parameters	Uncertainty		
Bandwidth	±34.130 Hz		
Conducted power	±0.808 dB		
Power density	±0.583 dB		
Conducted emission	±2.715 dB		
AC conducted emission	±2.92 dB		
Unwanted Emission ≤ 1GHz	±3.41 dB		
Unwanted Emission > 1GHz	±4.59 dB		

Report No.: FR531702AC Page: 10 of 19



2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

FCC Designation No.: TW2732FCC site registration No.: 181692

➤ ISED#: 10807A

➤ CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emission	11g	2437	6 Mbps	
Unwanted Emissions ≤ 1GHz	11g	2437	6 Mbps	
Unwanted Emissions >1GHz Conducted Output Power 6dB bandwidth Power spectral density	11b 11g HT20	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462	1 Mbps 6 Mbps MCS 0	

NOTE:

Report No.: FR531702AC Page: 11 of 19

^{1.} The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.



3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

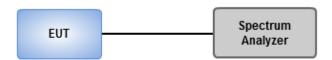
6dB Bandwidth

- 1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
- 2. Detector = Peak, Trace mode = max hold.
- 3. Sweep = auto couple, Allow the trace to stabilize.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

- 1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
- 2. Detector = Sample, Trace mode = max hold.
- 3 Sweep = auto couple, Allow the trace to stabilize.
- 4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	23°C / 66%	Tested By	Roger Lu
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Refer to Appendix A.

Report No.: FR531702AC Page: 12 of 19



3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

Antenna gain > 6dBi

Non Fixed, point to point operations.

The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB

Fixed, point to point operations

Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	23°C / 66%	Tested By	Roger Lu
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Refer to Appendix B.

Report No.: FR531702AC Page: 13 of 19



3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

Peak PSD

- 1. Set the RBW = 3 kHz, VBW = 10 kHz.
- 2. Detector = Peak, Sweep time = auto couple.
- 3. Trace mode = max hold, allow trace to fully stabilize.
- 4. Use the peak marker function to determine the maximum amplitude level.

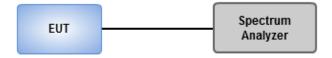
Average PSD, duty cycle ≥ 98%

- 1. Set the RBW = 3 kHz, VBW = 10 kHz.
- 2. Detector = RMS, Sweep time = auto couple.
- 3. Sweep time = auto couple.
- 4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
- 5. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle < 98%

- 1 Set the RBW = 3 kHz, VBW = 10 kHz
- 2 Detector = RMS, Sweep time = auto couple.
- 3 Sweep time = auto couple.
- 4 Employ trace averaging (RMS) mode over a minimum of 100 traces.
- 5 Use the peak marker function to determine the maximum amplitude level.
- 6 Add 10 log (1/x), where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	23°C / 66%	Tested By	Roger Lu
		_	<u> </u>

Refer to Appendix C.

Report No.: FR531702AC Page: 14 of 19



3.4 Unwanted Emissions into Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit					
Frequency Range (MHz)	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

Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit **Note 2**:

Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

- 1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
- 2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- 3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

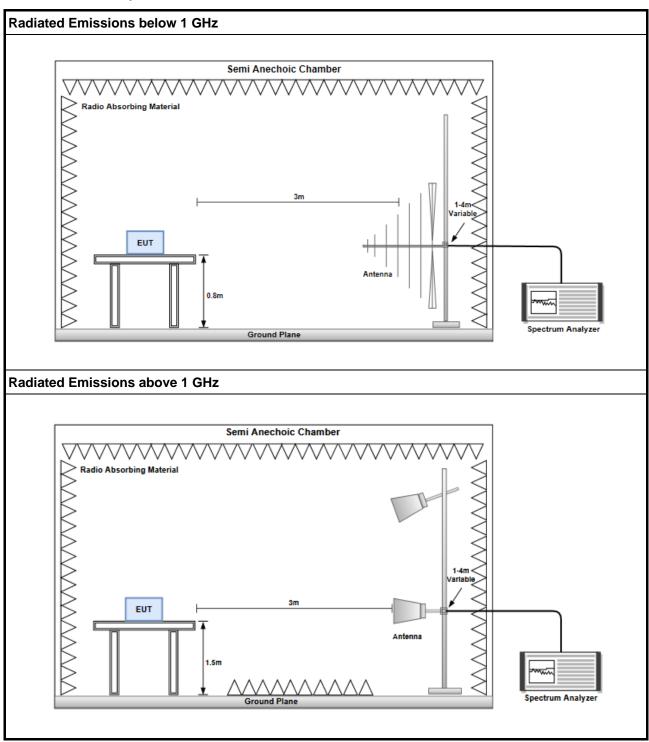
Note:

- 1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
- 2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
- RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

Report No.: FR531702AC Page: 15 of 19



3.4.3 Test Setup



3.4.4 Test Results

Ambient Condition 21-25°C /63-64% Tested By	Sean Yu / Allen Lee
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Refer to Appendix D.

Report No.: FR531702AC Page: 16 of 19



3.5 Emissions in Non-Restricted Frequency Bands

3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

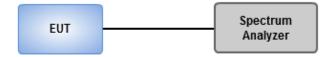
Reference level measurement

- 1. Set RBW=100kHz, VBW = 300kHz, Detector = Peak, Sweep time = Auto
- 2. Trace = max hold, Allow Trace to fully stabilize
- 3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

- 1. Set RBW=100kHz, VBW = 300kHz, Detector = Peak, Sweep time = Auto
- 2. Trace = max hold, Allow Trace to fully stabilize
- 3. Scan Frequency range is up to 25GHz
- 4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23°C / 66%	Tested By	Roger Lu

Refer to Appendix E.

Report No.: FR531702AC Page: 17 of 19



3.6 AC Power Line Conducted Emissions

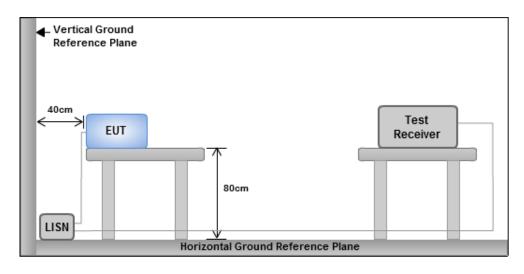
3.6.1 Limit of AC Power Line Conducted Emissions

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.					

3.6.2 Test Procedures

- 1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
- 2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
- 3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
- 4. This measurement was performed with AC 120V / 60Hz.

3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.

Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

Report No.: FR531702AC Page: 18 of 19



4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou

Tel: 886-2-2601-1640 No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

Kwei Shan

Tel: 886-3-271-8666
No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640 No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666 Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

Report No.: FR531702AC Page: 19 of 19



Appendix A

Summary					
Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	10.025M	14.535M	14M5G1D	9.55M	14.315M
802.11g_Nss1,(6Mbps)_1TX	16.525M	18.35M	18M4D1D	16.45M	16.698M
802.11n HT20_Nss1,(MCS0)_1TX	17.8M	19.616M	19M6D1D	17.75M	17.854M

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

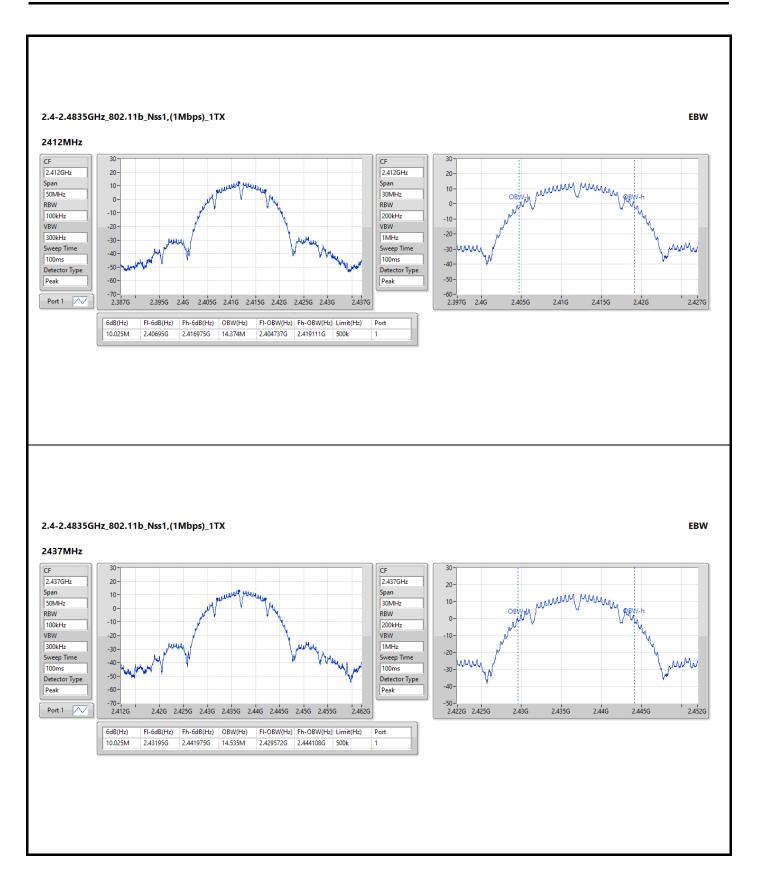
Result

Mode	Result	Limit	Port 1-N dB	Port 1-OBW
		(Hz)	(Hz)	(Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.025M	14.374M
2437MHz	Pass	500k	10.025M	14.535M
2462MHz	Pass	500k	9.55M	14.315M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.525M	16.724M
2437MHz	Pass	500k	16.45M	18.35M
2462MHz	Pass	500k	16.525M	16.698M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.75M	17.879M
2437MHz	Pass	500k	17.8M	19.616M
2462MHz	Pass	500k	17.775M	17.854M

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

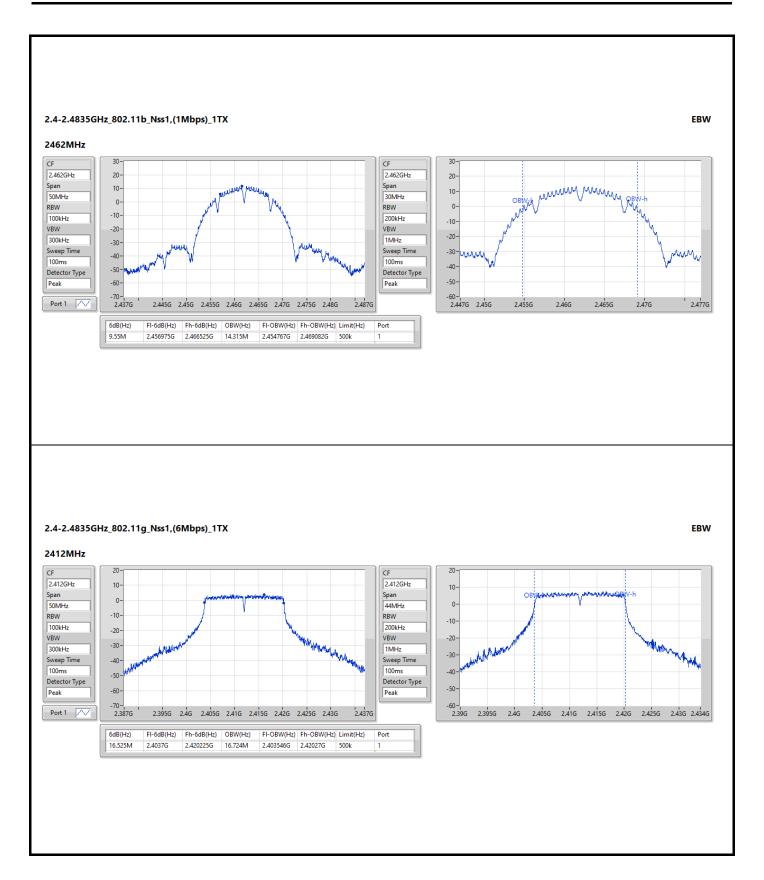
Report No.: FR531702AC Page No. : 1 of 6





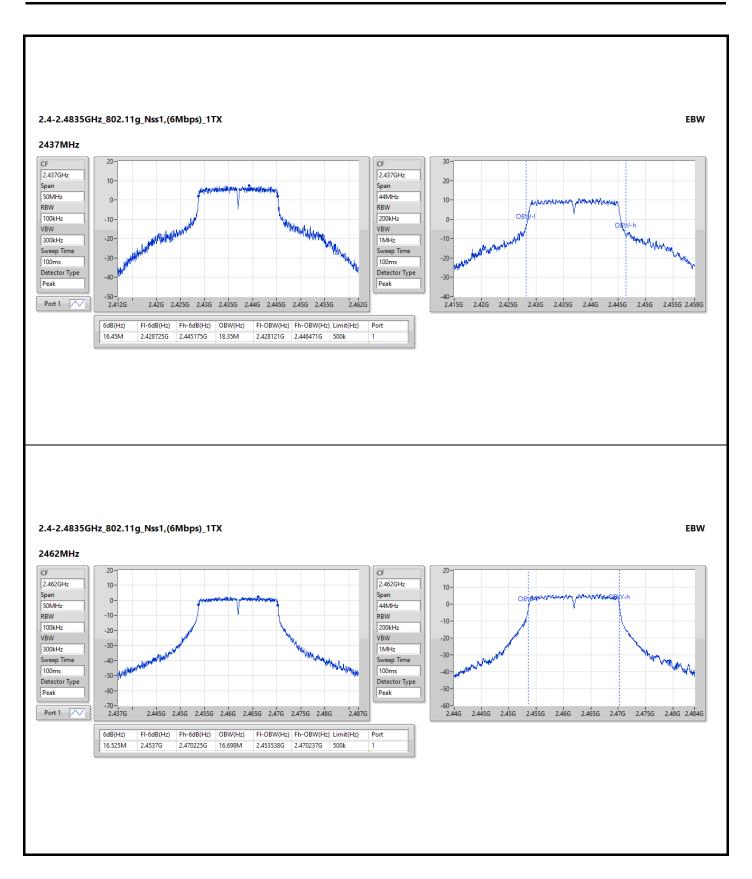
Report No.: FR531702AC Page No. : 2 of 6





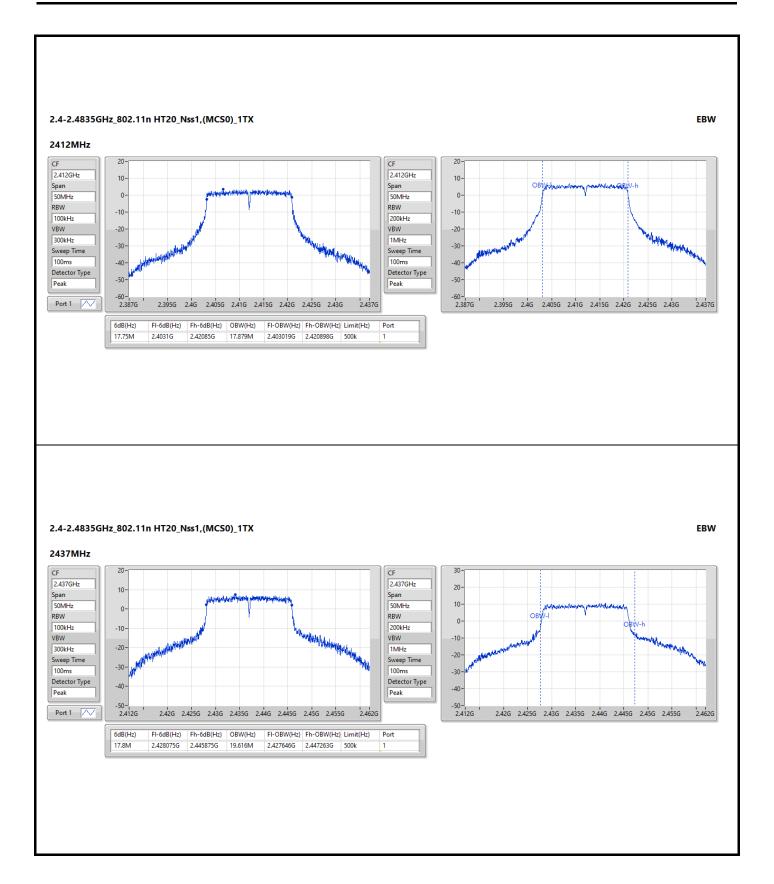
Report No.: FR531702AC Page No. : 3 of 6





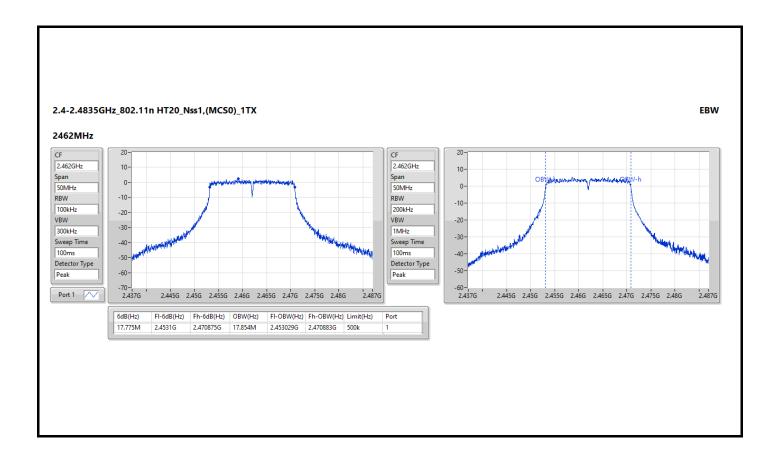
Report No.: FR531702AC Page No. : 4 of 6





Report No.: FR531702AC Page No. : 5 of 6





Report No.: FR531702AC Page No. : 6 of 6



Conducted Output Power(Average)

Appendix B

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.81	0.19099
802.11g_Nss1,(6Mbps)_1TX	21.52	0.14191
802.11n HT20_Nss1,(MCS0)_1TX	21.63	0.14555

Result

Mode	Result	DG	Port 1	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11b_Nss1,(1Mbps)_1TX	ı	-	1	ı	•	-	-
2412MHz	Pass	1.72	22.33	22.33	1	24.05	-
2437MHz	Pass	1.72	22.81	22.81	1	24.53	-
2462MHz	Pass	1.72	21.66	21.66	•	23.38	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	1.72	18.19	18.19	-	19.91	-
2437MHz	Pass	1.72	21.52	21.52	-	23.24	-
2462MHz	Pass	1.72	16.76	16.76	•	18.48	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	1.72	17.17	17.17	-	18.89	-
2437MHz	Pass	1.72	21.63	21.63	-	23.35	-
2462MHz	Pass	1.72	16.64	16.64	-	18.36	-

DG = Directional Gain; Port X = Port X output power Note : Conducted average output power is for reference

Report No.: FR531702AC Page No. : 1 of 1





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	24.97	0.31405
802.11g_Nss1,(6Mbps)_1TX	26.32	0.42855
802.11n HT20_Nss1,(MCS0)_1TX	26.28	0.42462

Result

Mode	Result	DG	Port 1	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	1	-	-	1	-
2412MHz	Pass	1.72	24.58	24.58	30.00	26.30	36.00
2437MHz	Pass	1.72	24.97	24.97	30.00	26.69	36.00
2462MHz	Pass	1.72	24.04	24.04	30.00	25.76	36.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	1.72	25.88	25.88	30.00	27.60	36.00
2437MHz	Pass	1.72	26.32	26.32	30.00	28.04	36.00
2462MHz	Pass	1.72	25.36	25.36	30.00	27.08	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	1	-	-	1	-
2412MHz	Pass	1.72	25.24	25.24	30.00	26.96	36.00
2437MHz	Pass	1.72	26.28	26.28	30.00	28.00	36.00
2462MHz	Pass	1.72	24.89	24.89	30.00	26.61	36.00

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

Report No.: FR531702AC Page No. : 1 of 1



Summary

Mode	PD
	(dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-7.37
802.11g_Nss1,(6Mbps)_1TX	-7.46
802.11n HT20_Nss1,(MCS0)_1TX	-6.79

RBW = 3kHz;

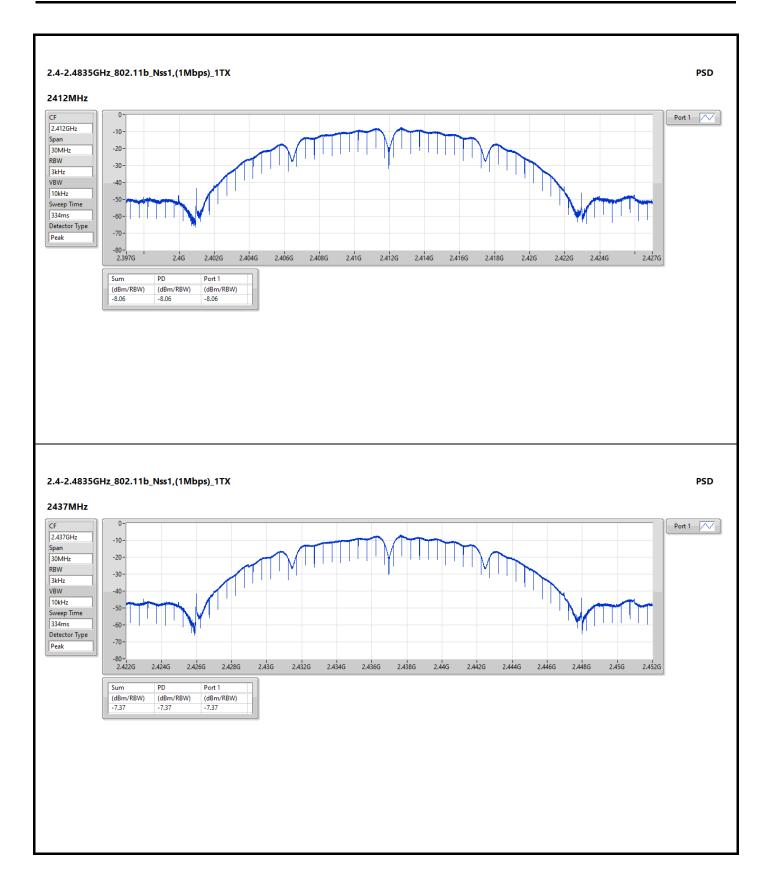
Result

Mode	Result	DG	Port 1	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.72	-8.06	-8.06	8.00
2437MHz	Pass	1.72	-7.37	-7.37	8.00
2462MHz	Pass	1.72	-8.67	-8.67	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.72	-10.64	-10.64	8.00
2437MHz	Pass	1.72	-7.46	-7.46	8.00
2462MHz	Pass	1.72	-12.47	-12.47	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.72	-10.08	-10.08	8.00
2437MHz	Pass	1.72	-6.79	-6.79	8.00
2462MHz	Pass	1.72	-11.69	-11.69	8.00

DG = Directional Gain; RBW = 3kHz; PD = Power density; Port X = Port X Power Density;

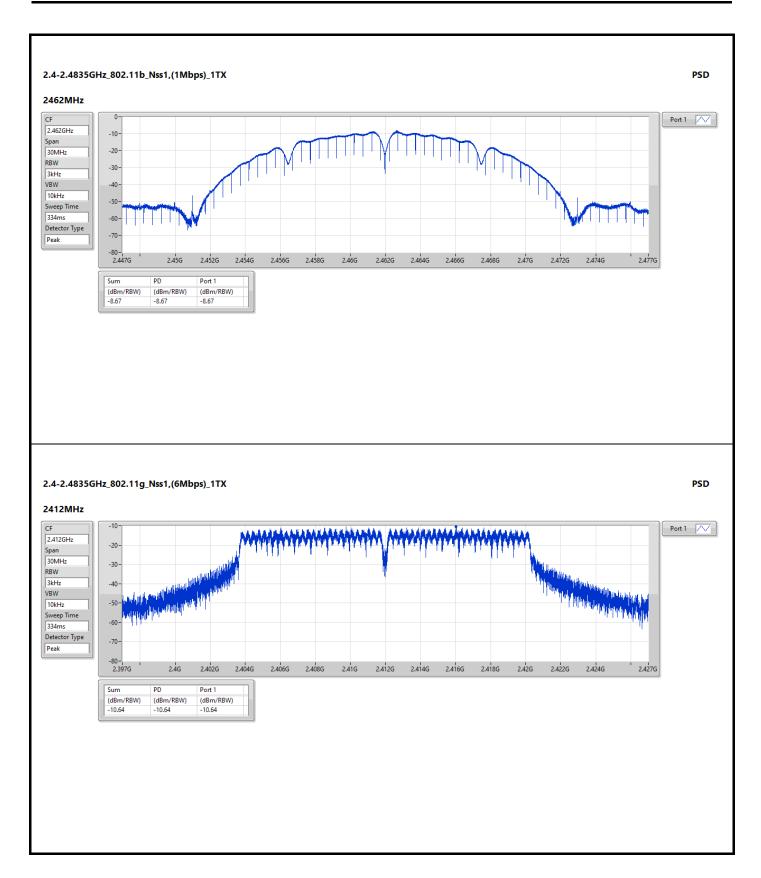
Report No.: FR531702AC Page No. : 1 of 6





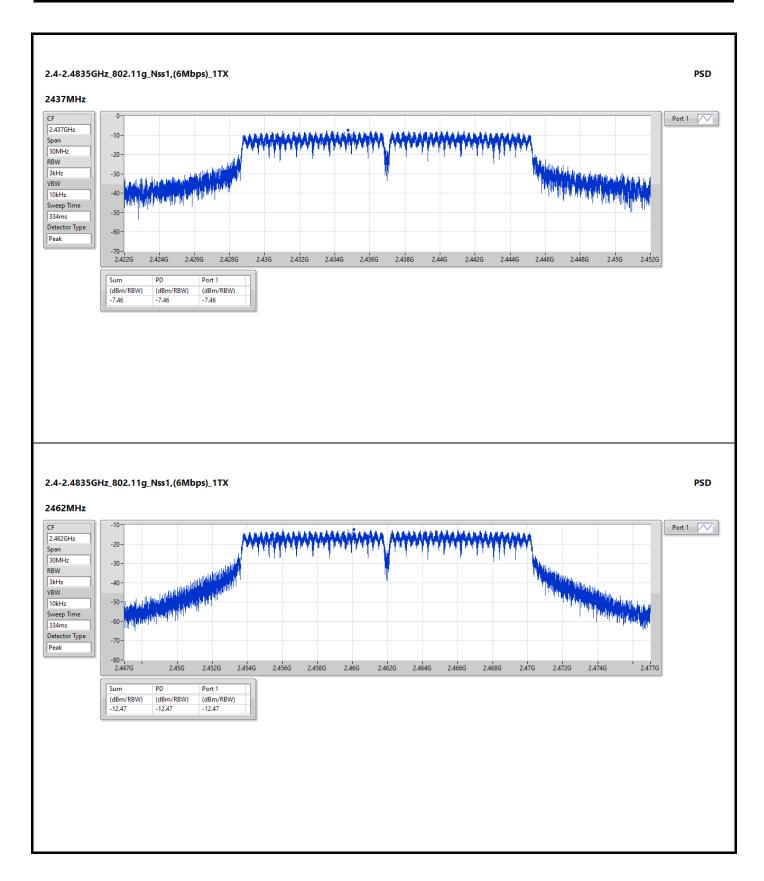
Report No.: FR531702AC Page No. : 2 of 6





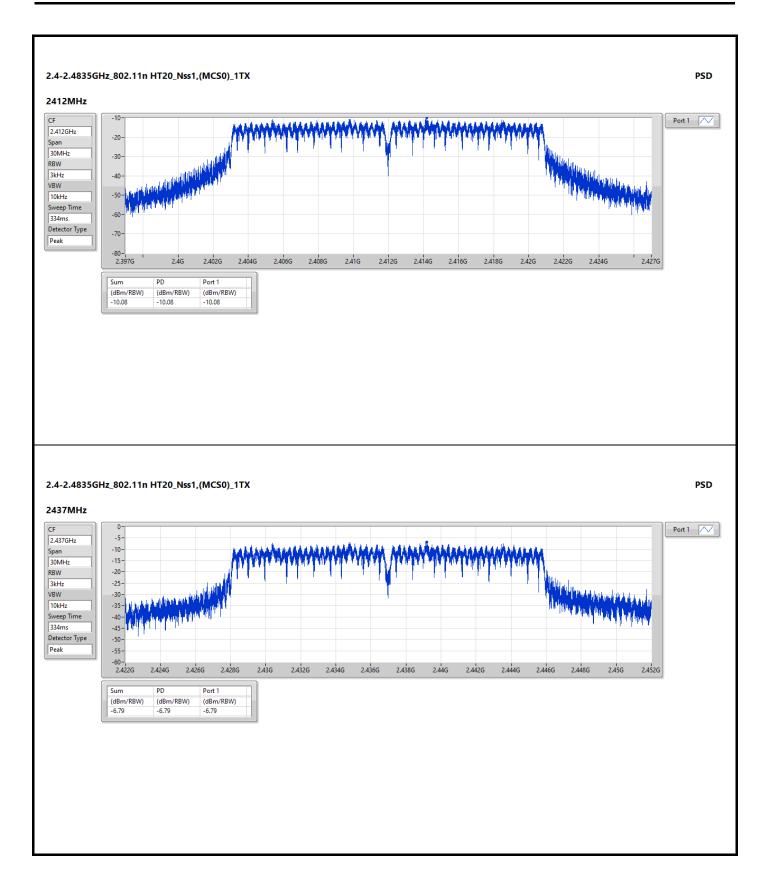
Report No.: FR531702AC Page No. : 3 of 6





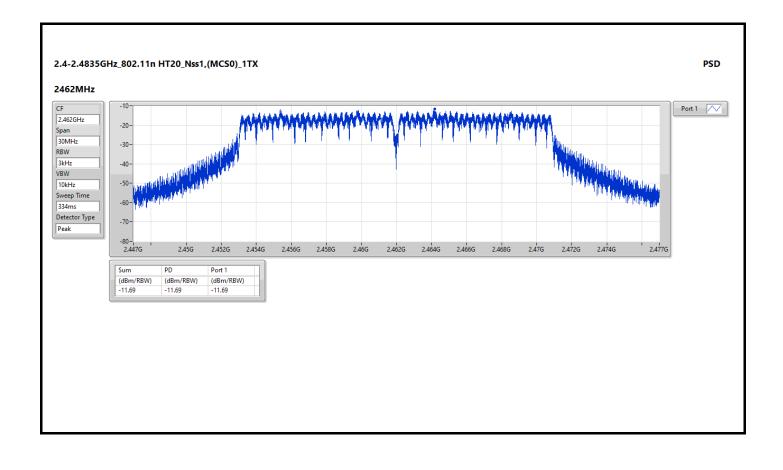
Report No.: FR531702AC Page No. : 4 of 6





Report No.: FR531702AC Page No. : 5 of 6





Report No.: FR531702AC Page No. : 6 of 6



Unwanted Emissions into Restricted Frequency Bands Below 1GHz Appendix D.1

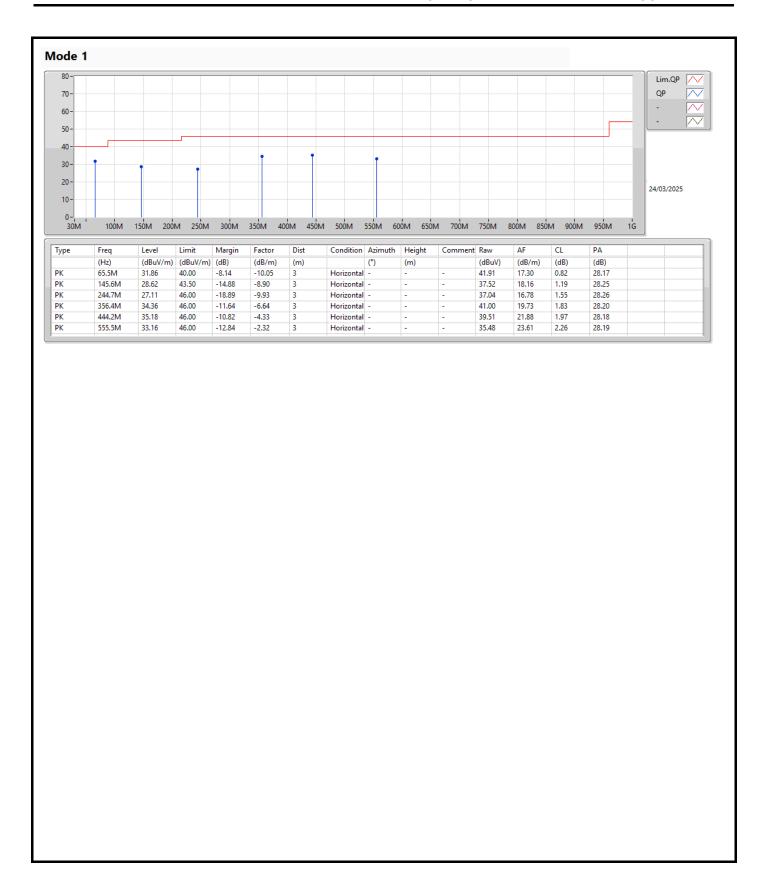
Summary

Mode	Result	Туре	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	65.5M	31.86	40.00	-8.14	Horizontal

Report No.: FR531702AC Page No. : 1 of 3



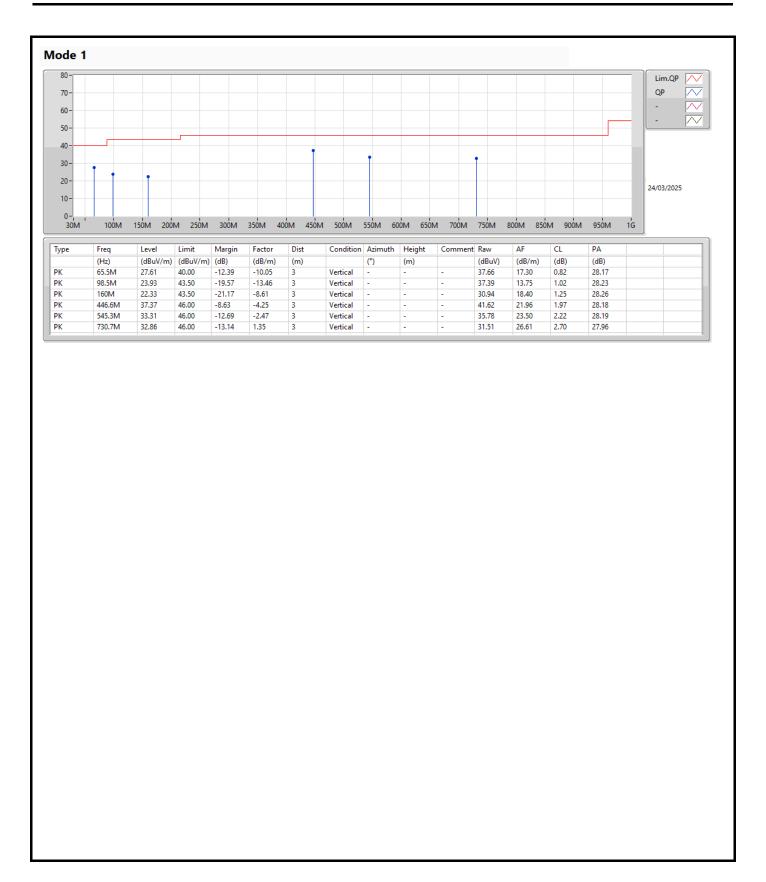
Unwanted Emissions into Restricted Frequency Bands Below 1GHz Appendix D.1



Report No.: FR531702AC Page No. : 2 of 3



Unwanted Emissions into Restricted Frequency Bands Below 1GHz Appendix D.1



Report No.: FR531702AC Page No. : 3 of 3



Unwanted Emissions into Restricted Frequency Bands Above 1GHz

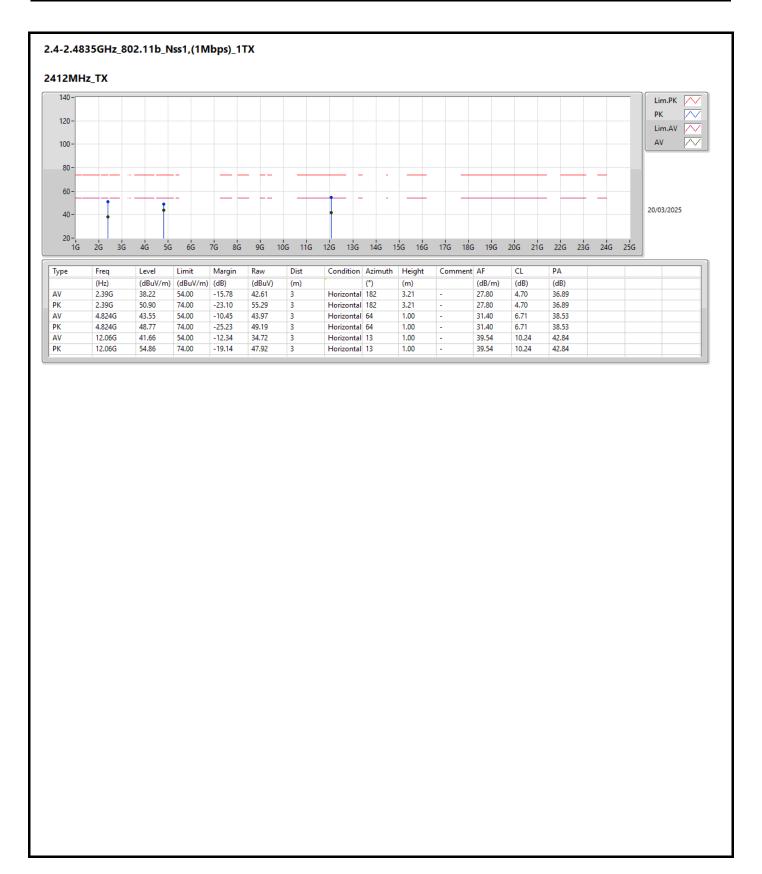
Appendix D.2

Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.4835G	52.85	54.00	-1.15	3	Vertical	105	1.91	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	52.99	54.00	-1.01	3	Vertical	130	2.44	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	2.39G	73.33	74.00	-0.67	3	Horizontal	15	1.76	-

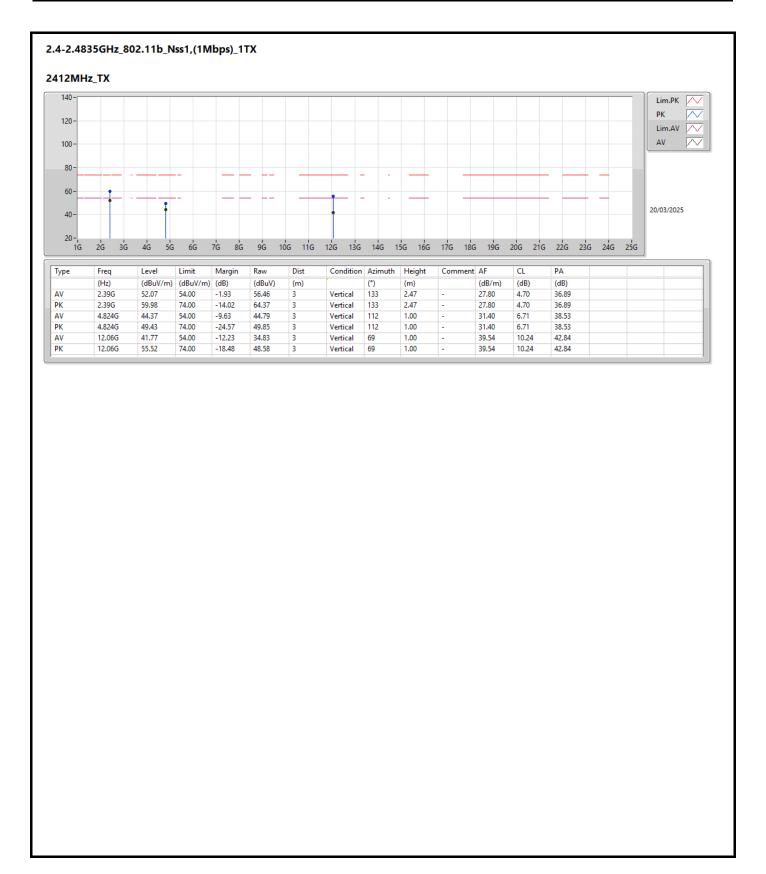
Report No.: FR531702AC Page No. : 1 of 19





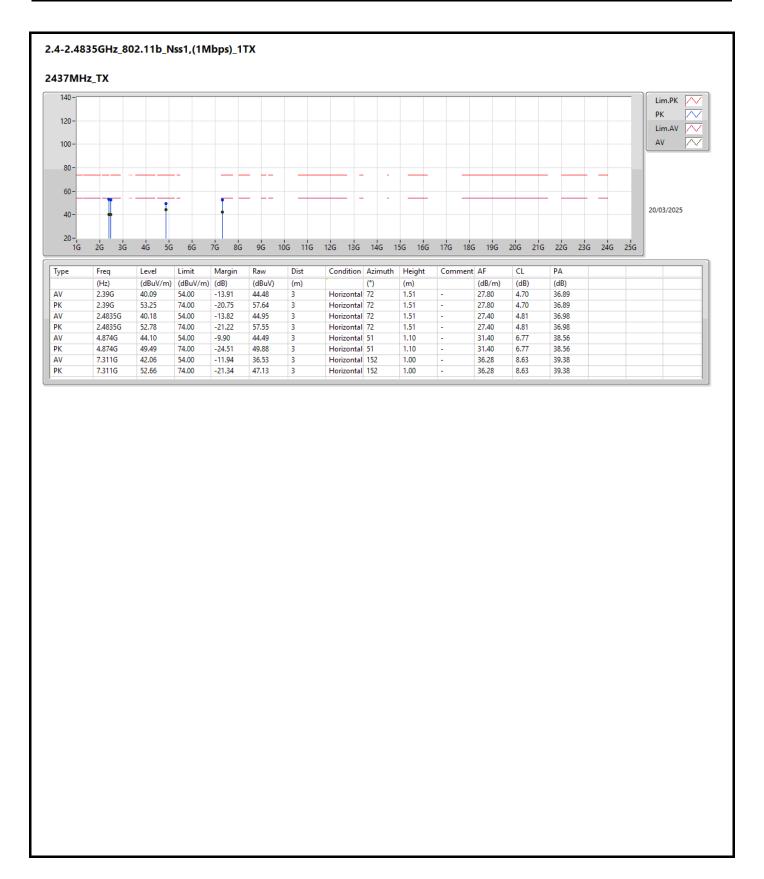
Report No.: FR531702AC Page No. : 2 of 19





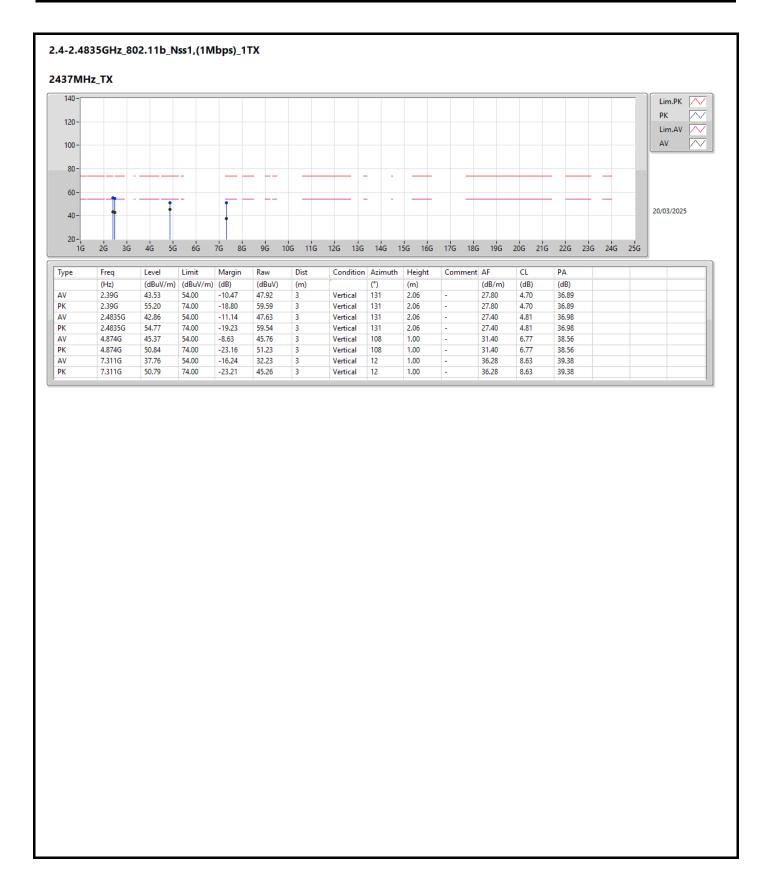
Report No.: FR531702AC Page No. : 3 of 19





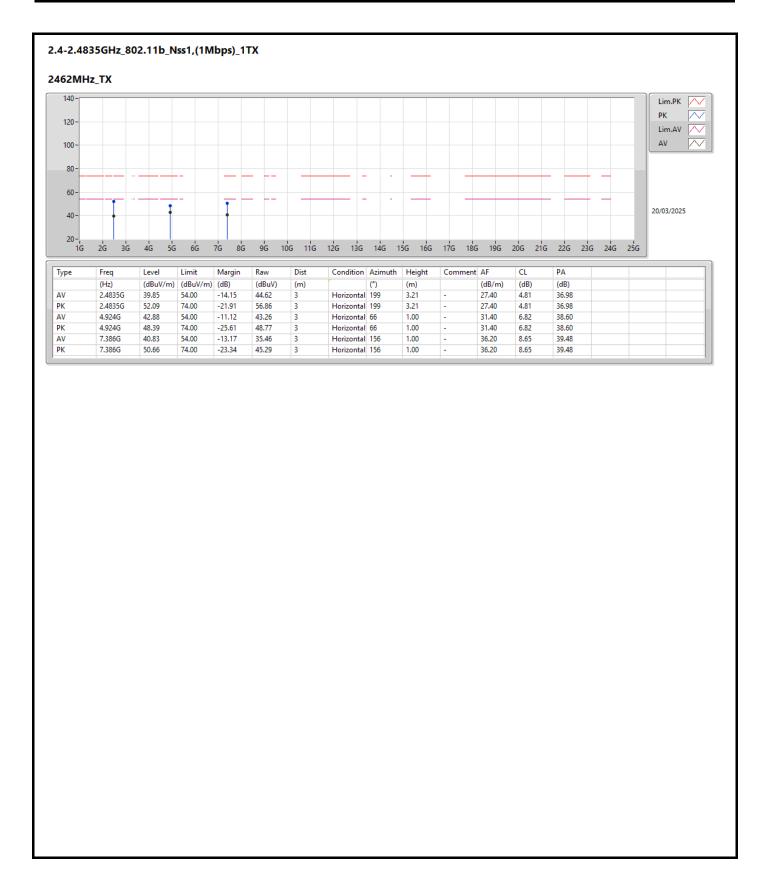
Report No.: FR531702AC Page No. : 4 of 19





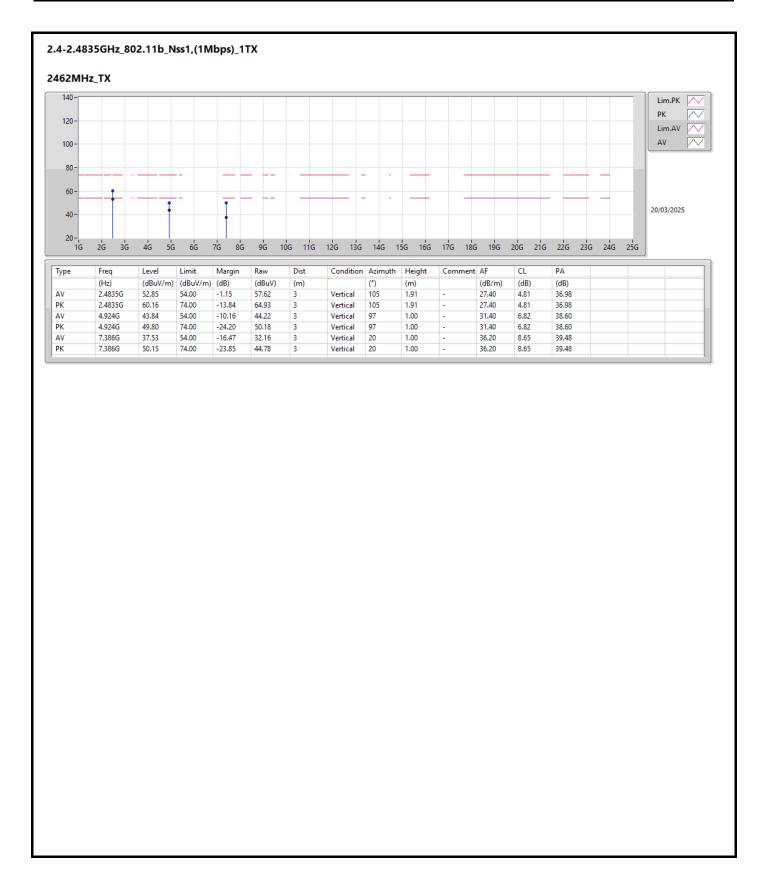
Report No.: FR531702AC Page No. : 5 of 19





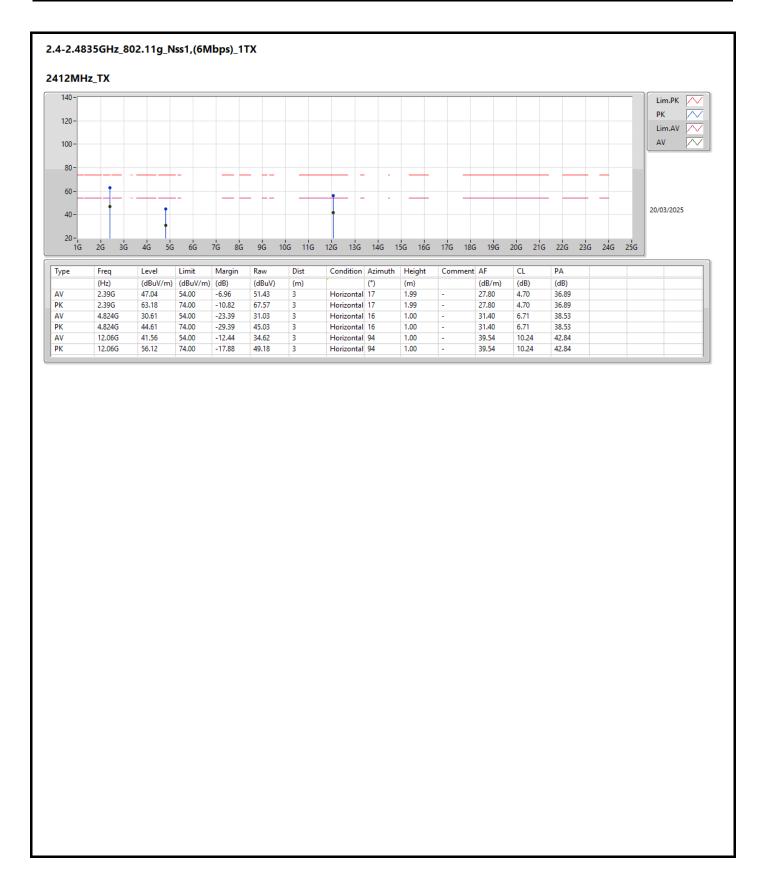
Report No.: FR531702AC Page No. : 6 of 19





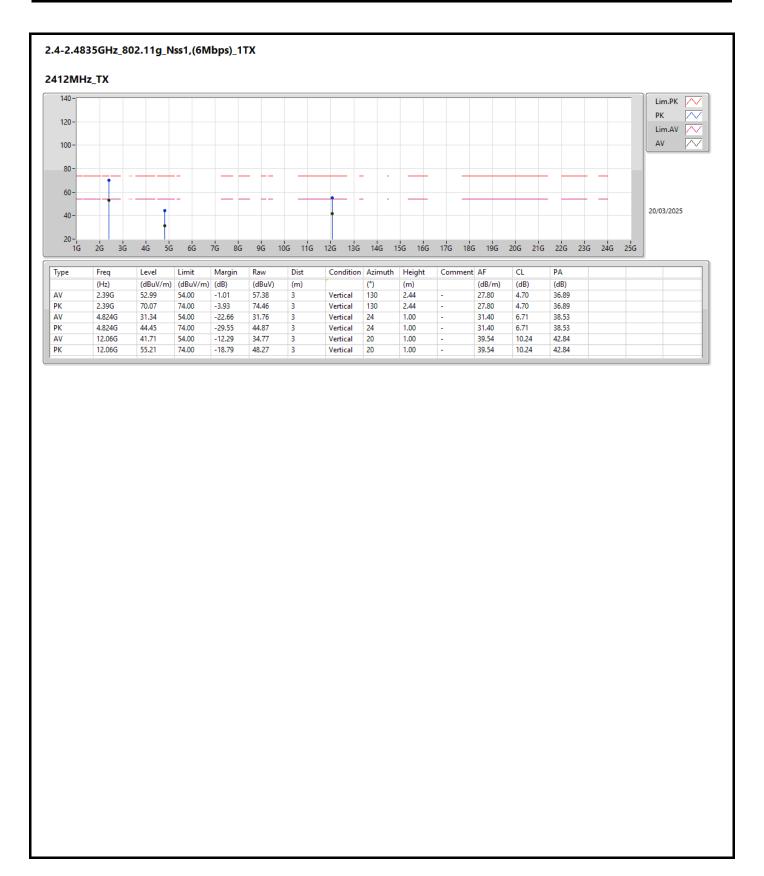
Report No.: FR531702AC Page No. : 7 of 19





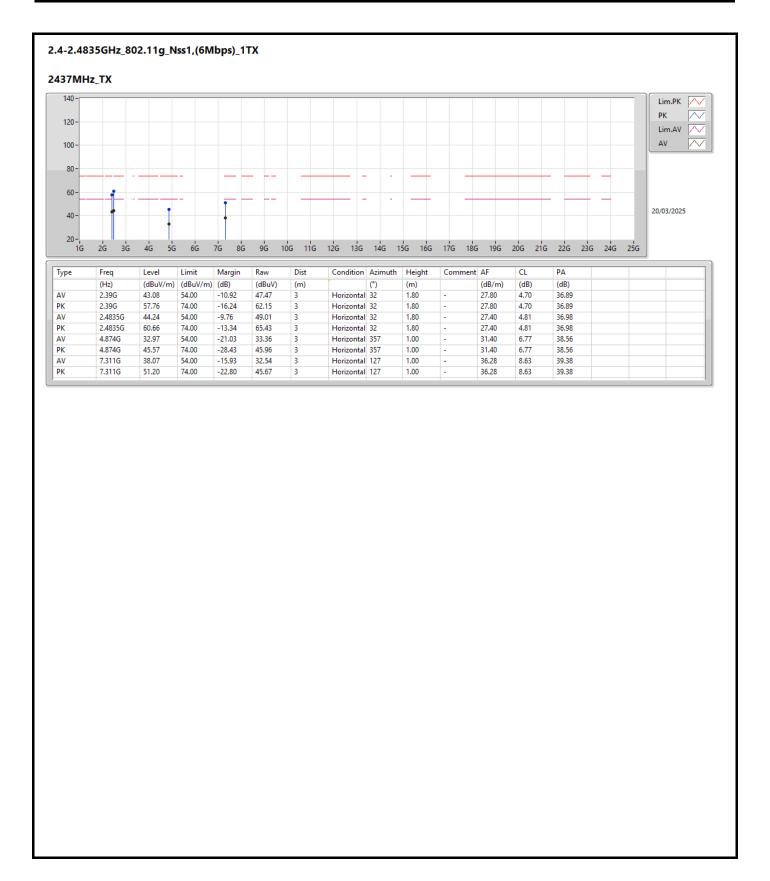
Report No.: FR531702AC Page No. : 8 of 19





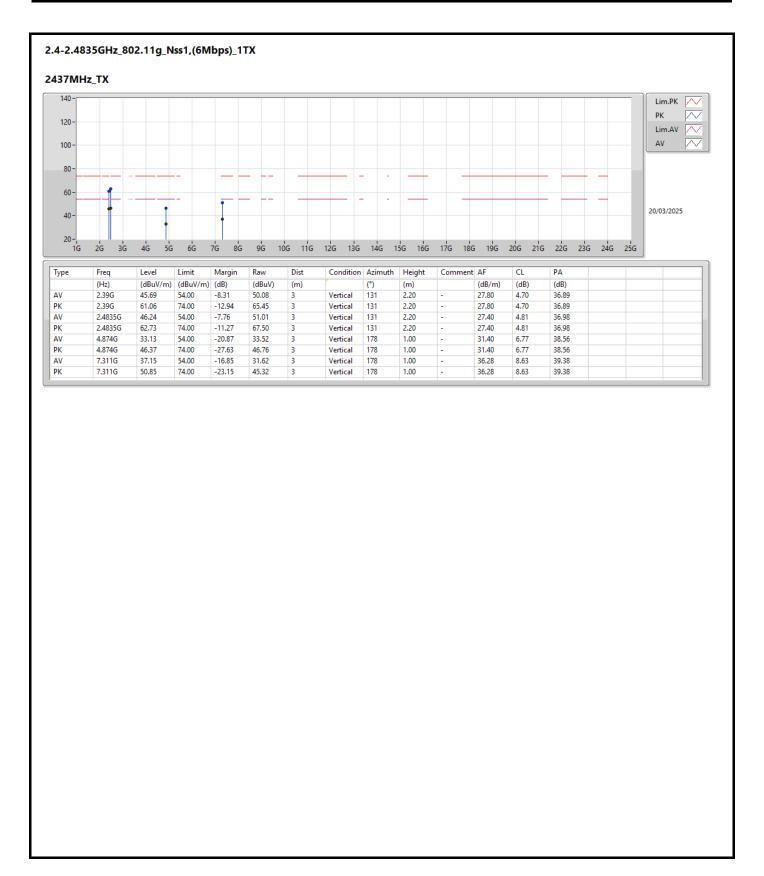
Report No.: FR531702AC Page No. : 9 of 19





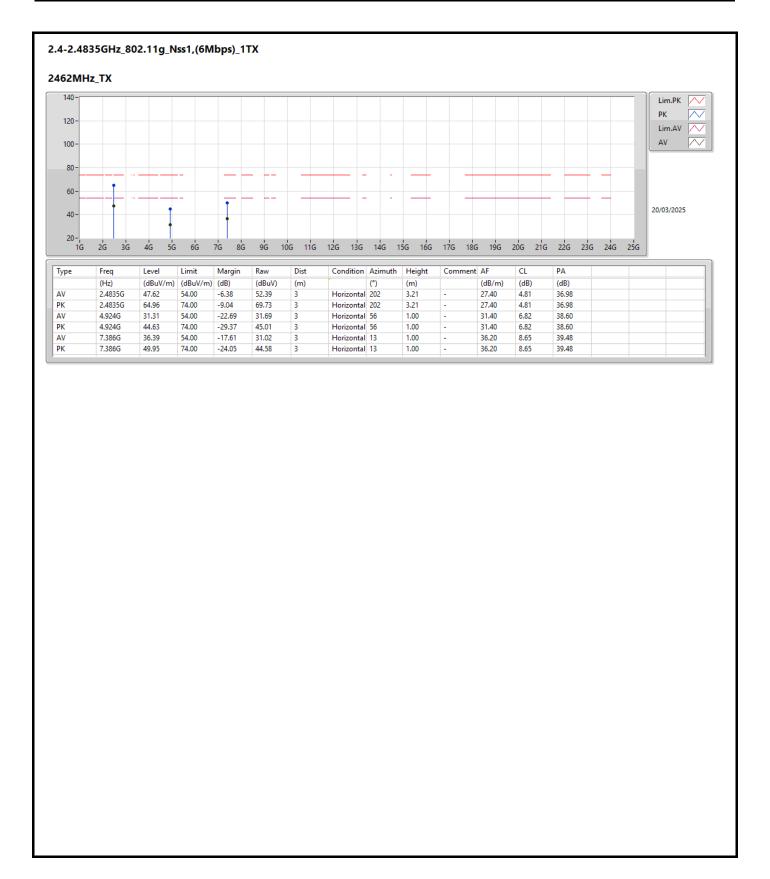
Report No.: FR531702AC Page No. : 10 of 19





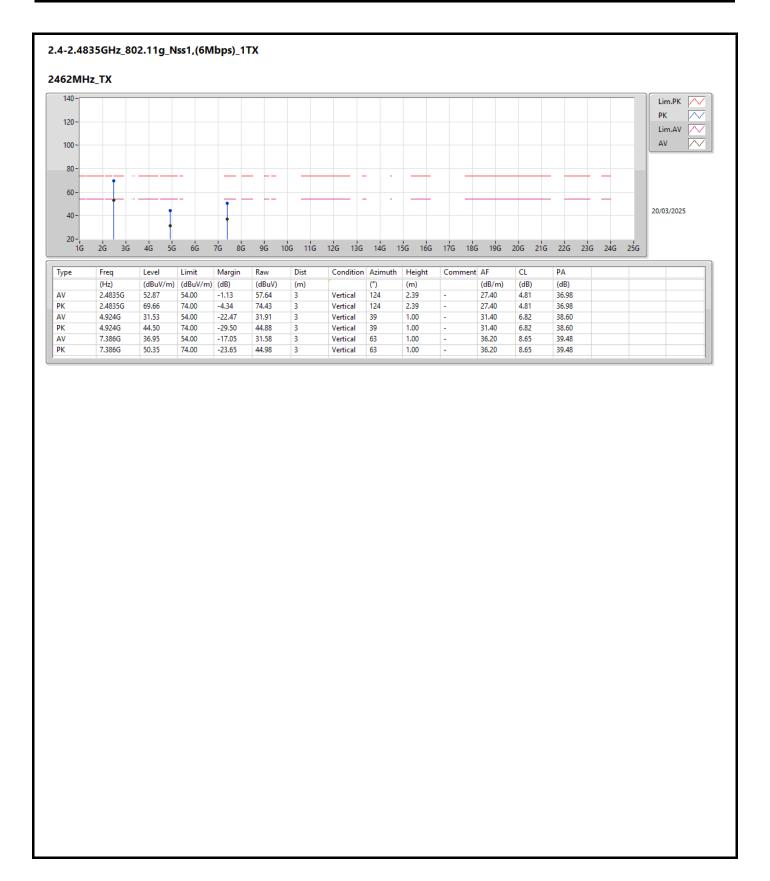
Report No.: FR531702AC Page No. : 11 of 19





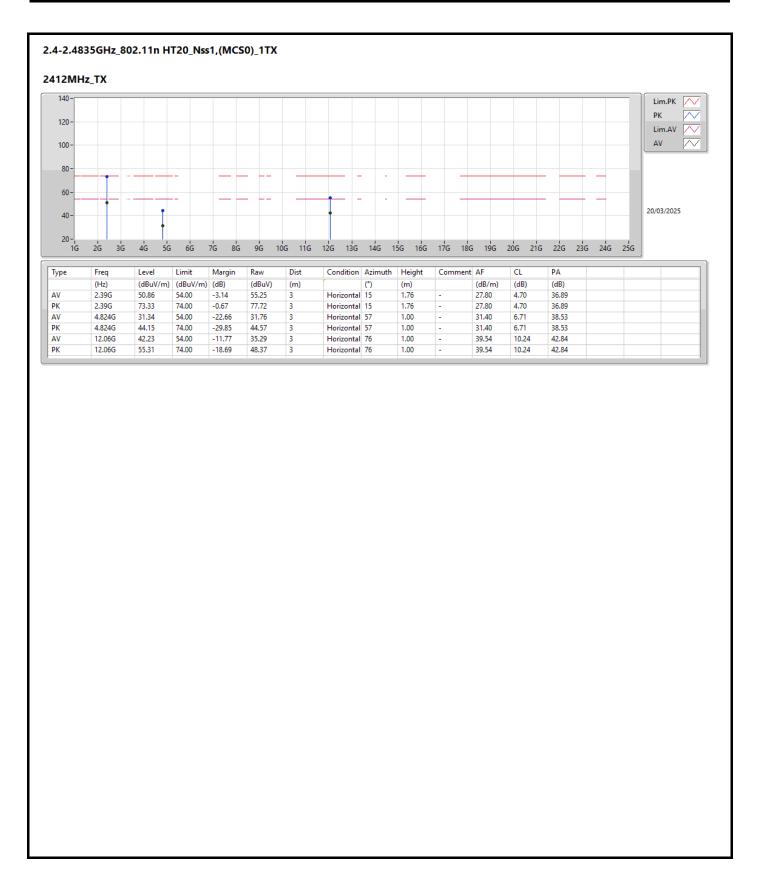
Report No.: FR531702AC Page No. : 12 of 19





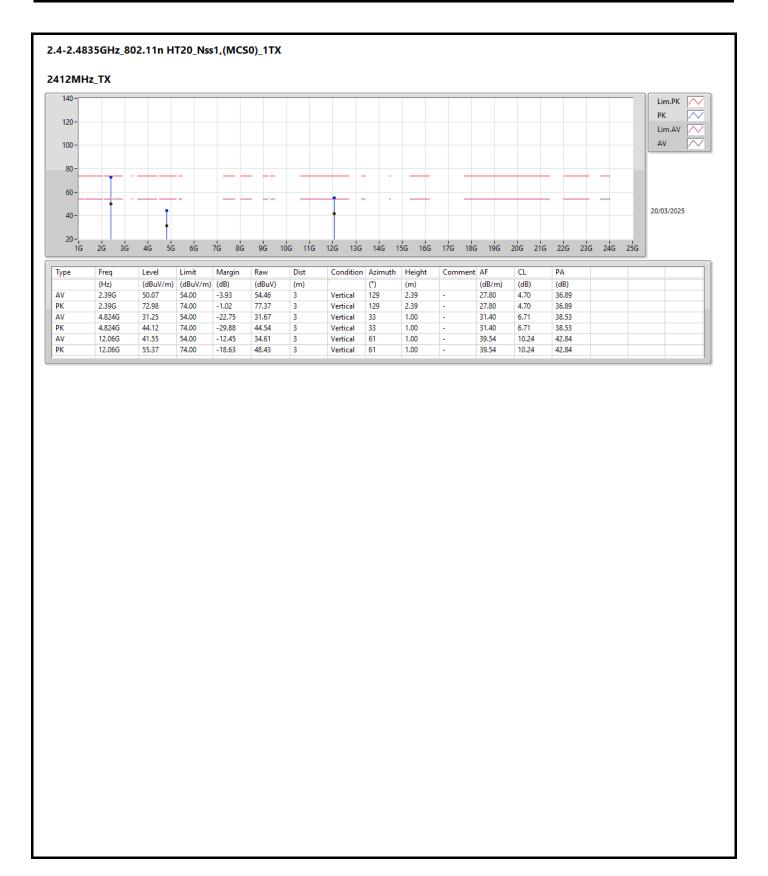
Report No.: FR531702AC Page No. : 13 of 19





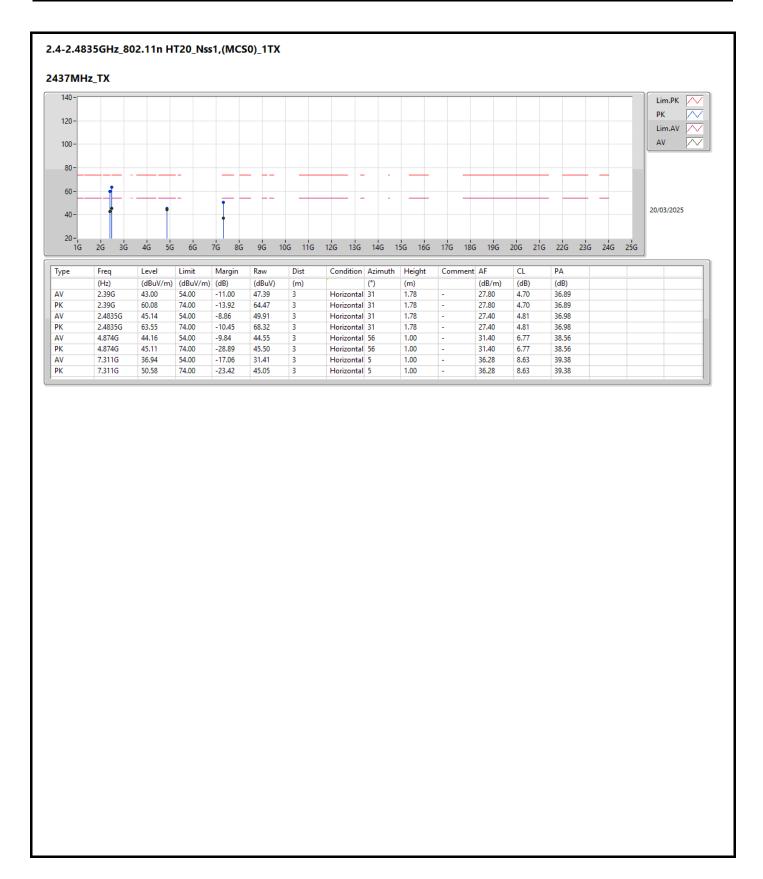
Report No.: FR531702AC Page No. : 14 of 19





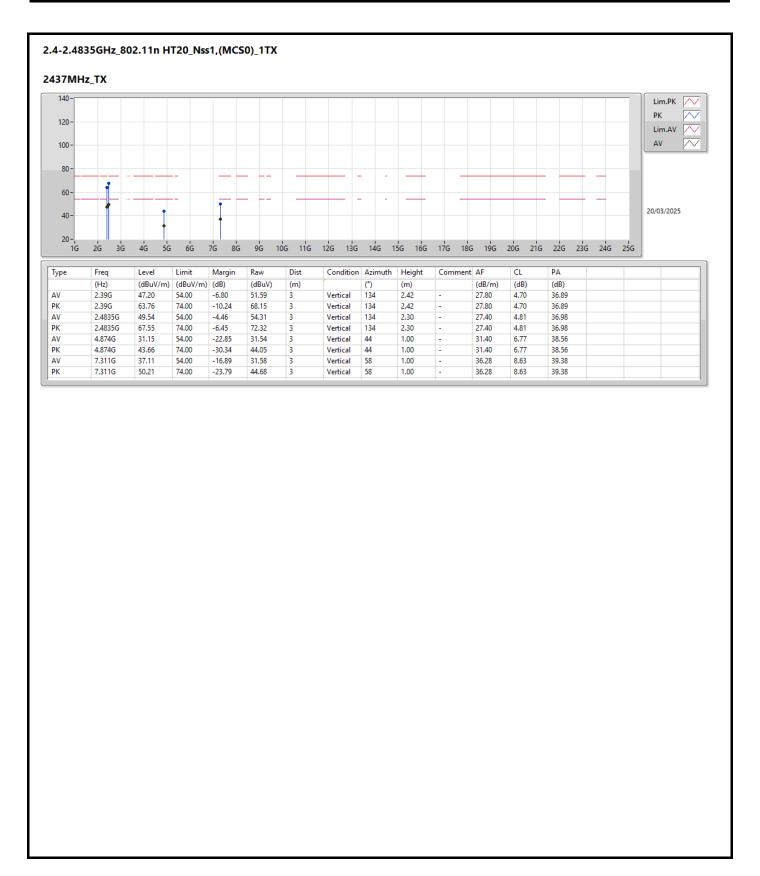
Report No.: FR531702AC Page No. : 15 of 19





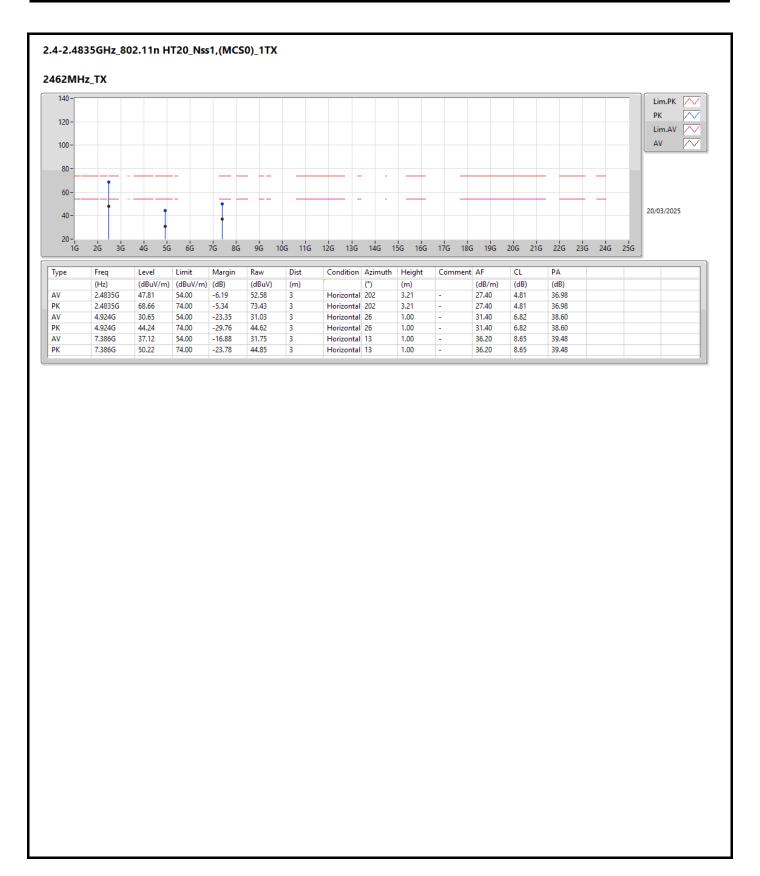
Report No.: FR531702AC Page No. : 16 of 19





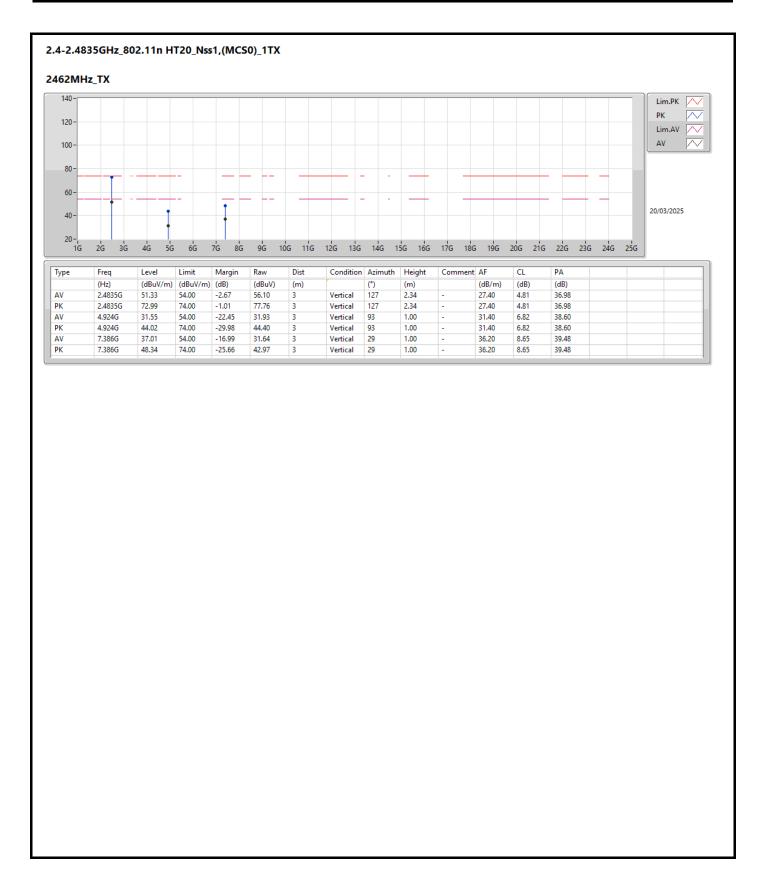
Report No.: FR531702AC Page No. : 17 of 19





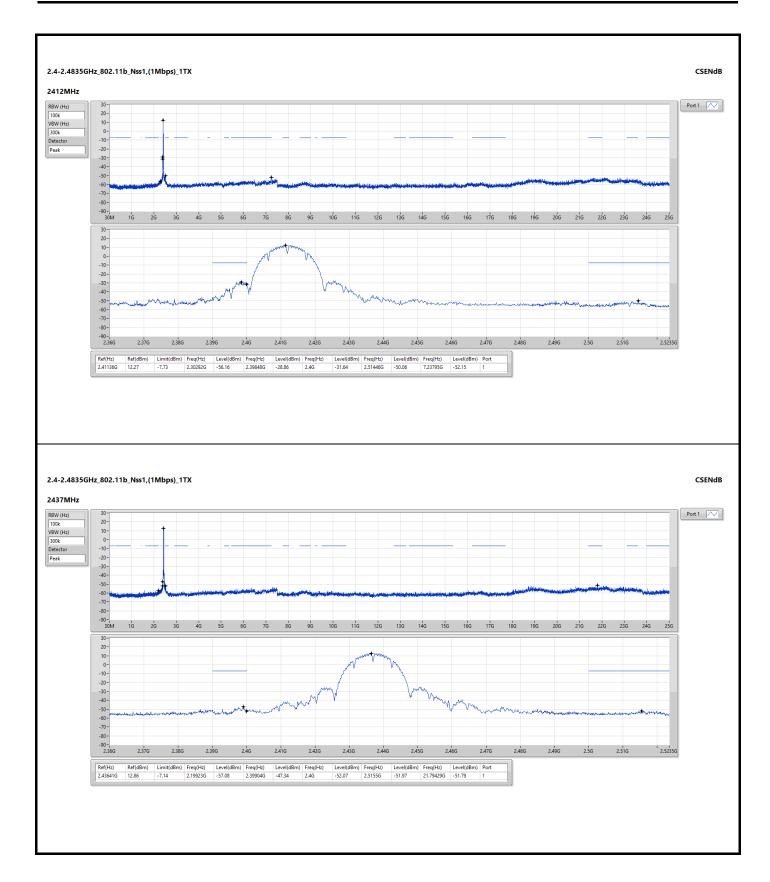
Report No.: FR531702AC Page No. : 18 of 19



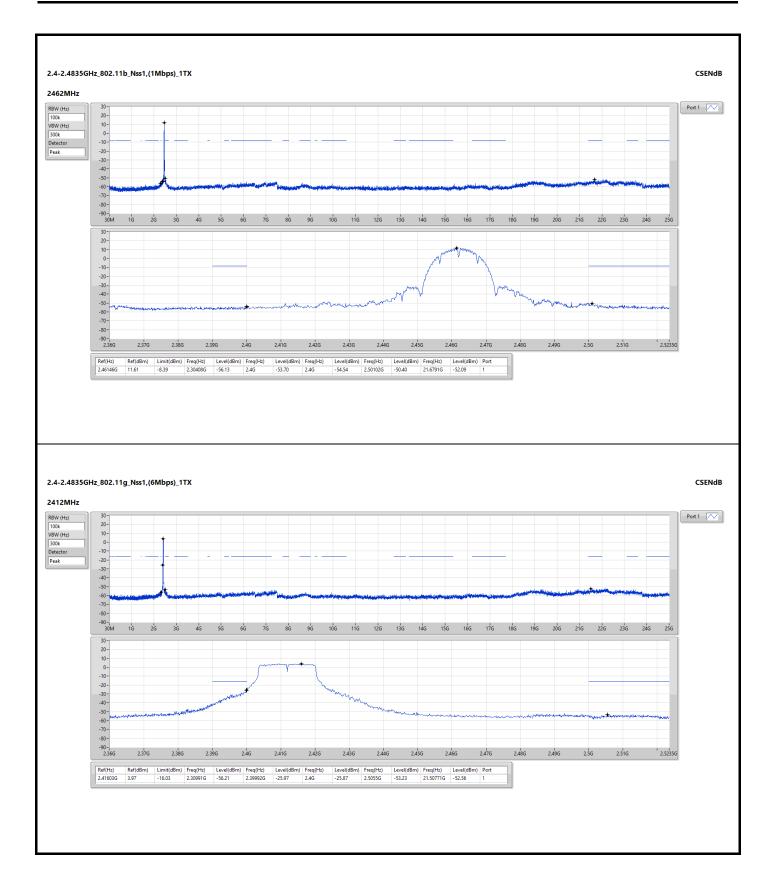


Report No.: FR531702AC Page No. : 19 of 19



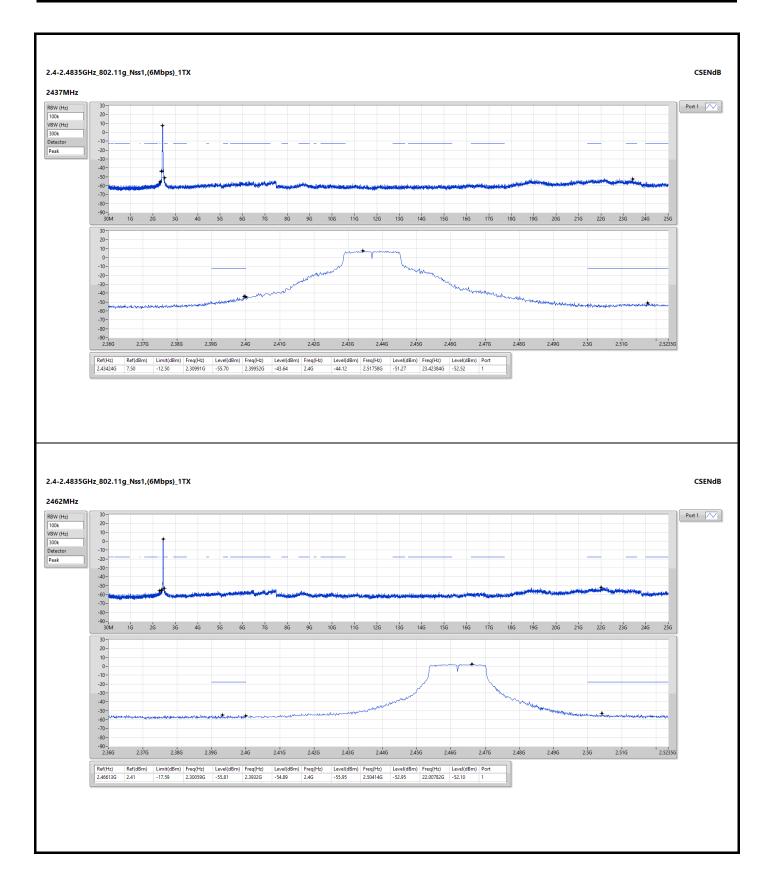






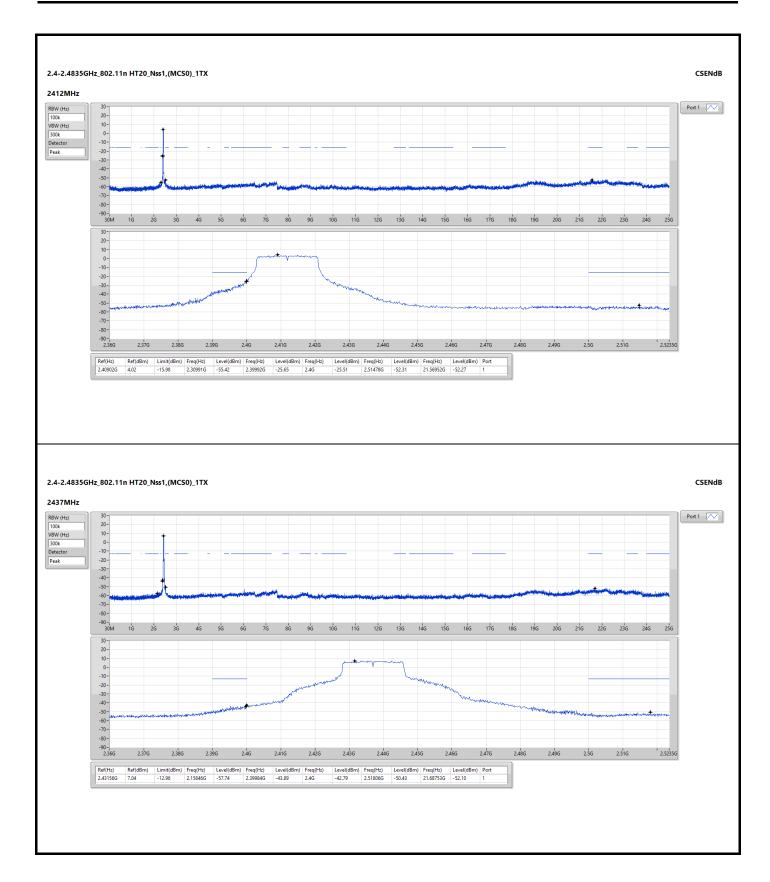
Report No.: FR531702AC Page No. : 2 of 5



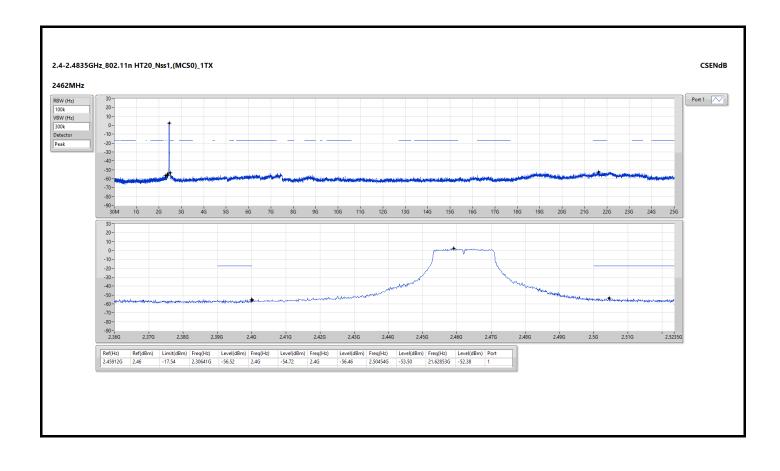


Report No.: FR531702AC Page No. : 3 of 5

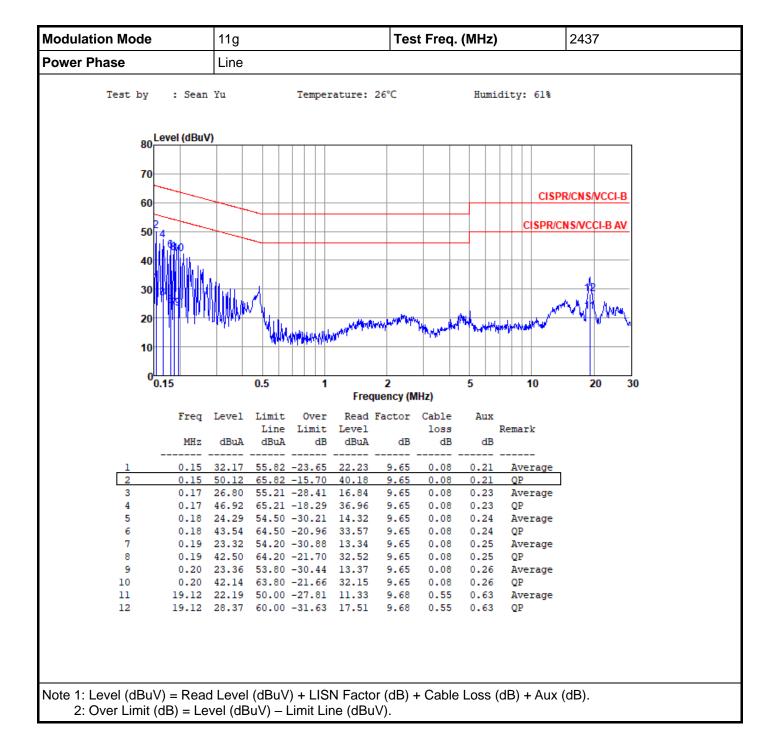






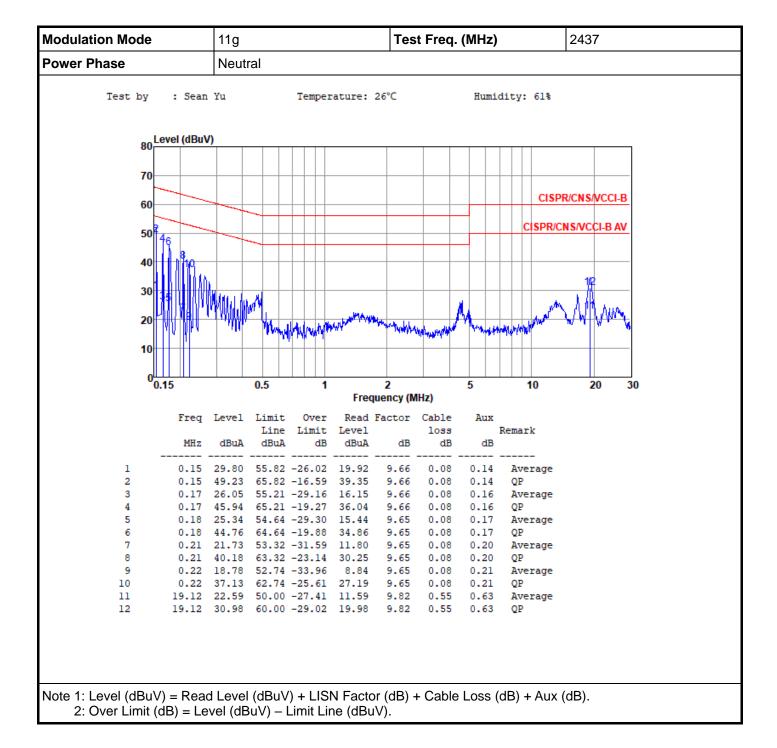






Report No.: FR531702AC Page No. : 1 of 2





Report No.: FR531702AC Page No. : 2 of 2